# Astrodienst Ephemeris Tables

## from the year 2950 for 50 years

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

# ASTRODIENST EPHEMERIS for the year 2950
# geocentric

## JANUARY 2950 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 43 43 | 10♑19'48 | 16♍46 | 29♑56 | 3♑24 | 3♈ 0 | 19°R 7 | 12°R41 | 11°R30 | 24♏28 | 15°R 2 | 20♋47 | 21♋18 | 7♉19 | 8♓41 | T 1 |
| F 2 | 6 47 40 | 11°20'48 | 0♎35 | 1♒10 | 4°40 | 3°40 | 19♊ 0 | 12♍40 | 11♊28 | 24°30 | 15♍ 1 | 20°47 | 21°15 | 7°26 | 8°44 | F 2 |
| S 3 | 6 51 36 | 12°21'49 | 14°36 | 2°20 | 5°55 | 4°21 | 18°53 | 12°39 | 11°26 | 24°32 | 15° 1 | 20°R47 | 21°12 | 7°33 | 8°46 | S 3 |
| S 4 | 6 55 33 | 13°22'51 | 28°49 | 3°27 | 7°11 | 5° 2 | 18°47 | 12°37 | 11°24 | 24°33 | 15° 0 | 20°47 | 21° 9 | 7°40 | 8°49 | S 4 |
| M 5 | 6 59 29 | 14°23'53 | 13♏10 | 4°29 | 8°26 | 5°43 | 18°40 | 12°36 | 11°22 | 24°35 | 14°59 | 20°47 | 21° 5 | 7°46 | 8°52 | M 5 |
| T 6 | 7 3 26 | 15°24'57 | 27°37 | 5°26 | 9°42 | 6°24 | 18°33 | 12°35 | 11°20 | 24°36 | 14°59 | 20°46 | 21° 2 | 7°53 | 8°55 | T 6 |
| W 7 | 7 7 22 | 16°26'01 | 12♐ 5 | 6°17 | 10°57 | 7° 5 | 18°27 | 12°33 | 11°18 | 24°38 | 14°58 | 20°45 | 20°59 | 8° 0 | 8°58 | W 7 |
| T 8 | 7 11 19 | 17°27'06 | 26°29 | 7° 2 | 12°13 | 7°45 | 18°21 | 12°31 | 11°16 | 24°40 | 14°58 | 20°45 | 20°56 | 8° 6 | 9° 1 | T 8 |
| F 9 | 7 15 16 | 18°28'11 | 10♑44 | 7°39 | 13°28 | 8°26 | 18°15 | 12°30 | 11°15 | 24°41 | 14°57 | 20°45 | 20°53 | 8°13 | 9° 4 | F 9 |
| S 10 | 7 19 12 | 19°29'17 | 24°45 | 8° 7 | 14°44 | 9° 7 | 18° 9 | 12°28 | 11°13 | 24°43 | 14°56 | 20°D45 | 20°50 | 8°20 | 9° 7 | S 10 |
| S 11 | 7 23 9 | 20°30'23 | 8♒28 | 8°27 | 15°59 | 9°49 | 18° 3 | 12°26 | 11°11 | 24°44 | 14°56 | 20°R45 | 20°46 | 8°27 | 9°10 | S 11 |
| M12 | 7 27 5 | 21°31'30 | 21°50 | 8°R36 | 17°15 | 10°30 | 17°57 | 12°24 | 11° 9 | 24°45 | 14°55 | 20°45 | 20°43 | 8°33 | 9°13 | M12 |
| T 13 | 7 31 2 | 22°32'36 | 4♓51 | 8°34 | 18°30 | 11°11 | 17°52 | 12°21 | 11° 8 | 24°47 | 14°54 | 20°45 | 20°40 | 8°40 | 9°16 | T 13 |
| W14 | 7 34 58 | 23°33'42 | 17°32 | 8°21 | 19°46 | 11°52 | 17°46 | 12°19 | 11° 6 | 24°48 | 14°53 | 20°44 | 20°37 | 8°47 | 9°19 | W14 |
| T 15 | 7 38 55 | 24°34'49 | 29°55 | 7°56 | 21° 1 | 12°33 | 17°41 | 12°17 | 11° 4 | 24°50 | 14°52 | 20°44 | 20°34 | 8°53 | 9°22 | T 15 |
| F 16 | 7 42 51 | 25°35'55 | 12♈ 4 | 7°19 | 22°17 | 13°14 | 17°36 | 12°14 | 11° 3 | 24°51 | 14°51 | 20°44 | 20°31 | 9° 0 | 9°26 | F 16 |
| S 17 | 7 46 48 | 26°37'01 | 24° 2 | 6°31 | 23°32 | 13°55 | 17°31 | 12°12 | 11° 1 | 24°52 | 14°51 | 20°D43 | 20°27 | 9° 7 | 9°29 | S 17 |
| S 18 | 7 50 45 | 27°38'07 | 5♉55 | 5°32 | 24°48 | 14°37 | 17°27 | 12° 9 | 11° 0 | 24°53 | 14°50 | 20°44 | 20°24 | 9°14 | 9°32 | S 18 |
| M19 | 7 54 41 | 28°39'13 | 17°47 | 4°25 | 26° 3 | 15°18 | 17°22 | 12° 6 | 10°58 | 24°55 | 14°49 | 20°44 | 20°21 | 9°20 | 9°36 | M19 |
| T 20 | 7 58 38 | 29°40'19 | 29°43 | 3°10 | 27°19 | 15°59 | 17°18 | 12° 3 | 10°57 | 24°56 | 14°48 | 20°45 | 20°18 | 9°27 | 9°39 | T 20 |
| W21 | 8 2 34 | 0♒41'24 | 11♊47 | 1°51 | 28°34 | 16°40 | 17°14 | 12° 0 | 10°55 | 24°57 | 14°47 | 20°46 | 20°15 | 9°34 | 9°43 | W21 |
| T 22 | 8 6 31 | 1°42'29 | 24° 4 | 0°31 | 29°50 | 17°22 | 17°10 | 11°57 | 10°54 | 24°58 | 14°46 | 20°47 | 20°11 | 9°40 | 9°46 | T 22 |
| F 23 | 8 10 27 | 2°43'34 | 6♋34 | 29♑10 | 1♒ 5 | 18° 3 | 17° 7 | 11°54 | 10°53 | 24°59 | 14°45 | 20°48 | 20° 8 | 9°47 | 9°50 | F 23 |
| S 24 | 8 14 24 | 3°44'39 | 19°22 | 27°54 | 2°21 | 18°44 | 17° 3 | 11°51 | 10°51 | 25° 0 | 14°44 | 20°R48 | 20° 5 | 9°54 | 9°53 | S 24 |
| S 25 | 8 18 20 | 4°45'44 | 2♌27 | 26°42 | 3°36 | 19°26 | 17° 0 | 11°48 | 10°50 | 25° 1 | 14°43 | 20°48 | 20° 2 | 10° 1 | 9°57 | S 25 |
| M26 | 8 22 17 | 5°46'48 | 15°50 | 25°37 | 4°52 | 20° 7 | 16°57 | 11°44 | 10°49 | 25° 2 | 14°42 | 20°47 | 19°59 | 10° 7 | 10° 0 | M26 |
| T 27 | 8 26 14 | 6°47'52 | 29°27 | 24°41 | 6° 7 | 20°48 | 16°54 | 11°41 | 10°48 | 25° 3 | 14°41 | 20°45 | 19°56 | 10°14 | 10° 4 | T 27 |
| W28 | 8 30 10 | 7°48'55 | 13♍18 | 23°54 | 7°22 | 21°30 | 16°51 | 11°37 | 10°47 | 25° 4 | 14°39 | 20°43 | 19°52 | 10°21 | 10° 8 | W28 |
| T 29 | 8 34 7 | 8°49'59 | 27°19 | 23°17 | 8°38 | 22°11 | 16°48 | 11°34 | 10°46 | 25° 5 | 14°38 | 20°40 | 19°49 | 10°27 | 10°11 | T 29 |
| F 30 | 8 38 3 | 9°51'03 | 11♎26 | 22°50 | 9°53 | 22°52 | 16°46 | 11°30 | 10°45 | 25° 6 | 14°37 | 20°38 | 19°46 | 10°34 | 10°15 | F 30 |
| S 31 | 8 42 0 | 10♒52'06 | 25♎37 | 22♑32 | 11♒ 9 | 23♈34 | 16♊44 | 11♍26 | 10♊44 | 25♏ 7 | 14♍36 | 20♋36 | 19♋43 | 10♉41 | 10♓19 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s55 | 9n14 | 4n23 | 21s58 | 1s57 | 23s14 | 0n 2 | 0n48 | 0s25 | 22n11 | 0s42 | 8n 9 | 1n30 | 21n57 | 0s 5 | 17s12 | 1n39 | 16n22 | 11n24 | 21n43 | 21n38 | 9n12 | 3s20 | 5n19 |
| F 2 | 22 50 | 4 19 | 4 58 | 21 36 | 1 51 | 23 14 | 0s 0 | 1 5 | 0 24 | 22 10 | 0 42 | 8 10 | 1 30 | 21 57 | 0 5 | 17 12 | 1 39 | 16 22 | 11 24 | 21 43 | 21 39 | 9 14 | 3 19 | 5 19 |
| S 3 | 22 45 | 0s53 | 5 15 | 21 14 | 1 44 | 23 14 | 0 3 | 1 23 | 0 22 | 22 10 | 0 41 | 8 10 | 1 30 | 21 57 | 0 5 | 17 12 | 1 39 | 16 23 | 11 25 | 21 43 | 21 39 | 9 17 | 3 19 | 5 19 |
| S 4 | 22 39 | 6 6 | 5 14 | 20 51 | 1 36 | 23 13 | 0 5 | 1 40 | 0 21 | 22 9 | 0 41 | 8 11 | 1 30 | 21 57 | 0 5 | 17 13 | 1 39 | 16 24 | 11 25 | 21 43 | 21 40 | 9 19 | 3 18 | 5 18 |
| M 5 | 22 32 | 11 3 | 4 53 | 20 27 | 1 27 | 23 11 | 0 8 | 1 58 | 0 19 | 22 9 | 0 41 | 8 12 | 1 31 | 21 56 | 0 5 | 17 13 | 1 39 | 16 24 | 11 25 | 21 43 | 21 40 | 9 21 | 3 17 | 5 18 |
| T 6 | 22 26 | 15 24 | 4 14 | 20 4 | 1 17 | 23 8 | 0 10 | 2 15 | 0 18 | 22 9 | 0 41 | 8 12 | 1 31 | 21 56 | 0 5 | 17 13 | 1 39 | 16 25 | 11 26 | 21 43 | 21 41 | 9 24 | 3 16 | 5 18 |
| W 7 | 22 19 | 18 51 | 3 18 | 19 40 | 1 6 | 23 4 | 0 13 | 2 33 | 0 16 | 22 8 | 0 41 | 8 13 | 1 31 | 21 56 | 0 5 | 17 14 | 1 39 | 16 25 | 11 26 | 21 43 | 21 41 | 9 26 | 3 16 | 5 17 |
| T 8 | 22 11 | 21 6 | 2 11 | 19 17 | 0 54 | 23 0 | 0 15 | 2 50 | 0 15 | 22 8 | 0 41 | 8 14 | 1 31 | 21 56 | 0 5 | 17 14 | 1 39 | 16 26 | 11 27 | 21 43 | 21 42 | 9 29 | 3 15 | 5 17 |
| F 9 | 22 3 | 21 58 | 0 55 | 18 55 | 0 40 | 22 55 | 0 17 | 3 7 | 0 14 | 22 8 | 0 40 | 8 15 | 1 32 | 21 55 | 0 5 | 17 14 | 1 39 | 16 26 | 11 27 | 21 43 | 21 42 | 9 31 | 3 14 | 5 17 |
| S 10 | 21 54 | 21 26 | 0s22 | 18 33 | 0 26 | 22 50 | 0 20 | 3 25 | 0 12 | 22 7 | 0 40 | 8 16 | 1 32 | 21 55 | 0 5 | 17 15 | 1 39 | 16 27 | 11 27 | 21 43 | 21 43 | 9 33 | 3 13 | 5 16 |
| S 11 | 21 46 | 19 37 | 1 37 | 18 13 | 0 10 | 22 44 | 0 22 | 3 42 | 0 11 | 22 7 | 0 40 | 8 17 | 1 32 | 21 55 | 0 5 | 17 15 | 1 39 | 16 28 | 11 28 | 21 43 | 21 43 | 9 36 | 3 12 | 5 16 |
| M12 | 21 36 | 16 45 | 2 44 | 17 55 | 0n 7 | 22 37 | 0 24 | 3 59 | 0 10 | 22 7 | 0 40 | 8 18 | 1 32 | 21 55 | 0 5 | 17 15 | 1 39 | 16 28 | 11 28 | 21 43 | 21 44 | 9 38 | 3 11 | 5 16 |
| T 13 | 21 26 | 13 7 | 3 41 | 17 38 | 0 24 | 22 29 | 0 27 | 4 17 | 0 8 | 22 7 | 0 39 | 8 19 | 1 32 | 21 55 | 0 5 | 17 16 | 1 39 | 16 29 | 11 28 | 21 43 | 21 44 | 9 40 | 3 10 | 5 15 |
| W14 | 21 16 | 8 59 | 4 26 | 17 23 | 0 43 | 22 21 | 0 29 | 4 34 | 0 7 | 22 6 | 0 39 | 8 20 | 1 33 | 21 54 | 0 5 | 17 16 | 1 39 | 16 29 | 11 29 | 21 43 | 21 45 | 9 43 | 3 10 | 5 15 |
| T 15 | 21 6 | 4 34 | 4 57 | 17 12 | 1 2 | 22 12 | 0 31 | 4 51 | 0 6 | 22 6 | 0 39 | 8 21 | 1 33 | 21 54 | 0 5 | 17 16 | 1 39 | 16 30 | 11 29 | 21 44 | 21 45 | 9 45 | 3 9 | 5 15 |
| F 16 | 20 55 | 0 4 | 5 14 | 17 2 | 1 21 | 22 2 | 0 33 | 5 8 | 0 4 | 22 6 | 0 39 | 8 22 | 1 33 | 21 54 | 0 5 | 17 16 | 1 39 | 16 31 | 11 29 | 21 44 | 21 46 | 9 47 | 3 8 | 5 15 |
| S 17 | 20 43 | 4n22 | 5 17 | 16 56 | 1 40 | 21 52 | 0 36 | 5 25 | 0 3 | 22 6 | 0 39 | 8 23 | 1 33 | 21 54 | 0 5 | 17 17 | 1 39 | 16 31 | 11 30 | 21 44 | 21 46 | 9 50 | 3 7 | 5 14 |
| S 18 | 20 32 | 8 36 | 5 6 | 16 52 | 1 59 | 21 41 | 0 38 | 5 42 | 0 2 | 22 5 | 0 38 | 8 25 | 1 34 | 21 53 | 0 5 | 17 17 | 1 39 | 16 32 | 11 30 | 21 44 | 21 46 | 9 52 | 3 6 | 5 14 |
| M19 | 20 19 | 12 31 | 4 43 | 16 51 | 2 17 | 21 29 | 0 40 | 5 59 | 0 1 | 22 5 | 0 38 | 8 26 | 1 34 | 21 53 | 0 5 | 17 17 | 1 39 | 16 33 | 11 30 | 21 44 | 21 47 | 9 54 | 3 5 | 5 14 |
| T 20 | 20 7 | 15 58 | 4 7 | 16 52 | 2 33 | 21 17 | 0 42 | 6 16 | 0n 1 | 22 5 | 0 38 | 8 27 | 1 34 | 21 53 | 0 5 | 17 17 | 1 40 | 16 33 | 11 31 | 21 43 | 21 47 | 9 57 | 3 4 | 5 14 |
| W21 | 19 54 | 18 47 | 3 20 | 16 56 | 2 47 | 21 4 | 0 44 | 6 33 | 0 2 | 22 5 | 0 38 | 8 28 | 1 34 | 21 53 | 0 5 | 17 18 | 1 40 | 16 34 | 11 31 | 21 43 | 21 48 | 9 59 | 3 3 | 5 13 |
| T 22 | 19 41 | 20 48 | 2 23 | 17 1 | 2 59 | 20 50 | 0 46 | 6 50 | 0 3 | 22 5 | 0 38 | 8 30 | 1 34 | 21 53 | 0 5 | 17 18 | 1 40 | 16 35 | 11 31 | 21 43 | 21 48 | 10 2 | 3 2 | 5 13 |
| F 23 | 19 27 | 21 51 | 1 18 | 17 8 | 3 9 | 20 36 | 0 48 | 7 7 | 0 4 | 22 5 | 0 37 | 8 31 | 1 35 | 21 53 | 0 5 | 17 18 | 1 40 | 16 35 | 11 32 | 21 43 | 21 49 | 10 4 | 3 1 | 5 13 |
| S 24 | 19 13 | 21 48 | 0 8 | 17 17 | 3 16 | 20 21 | 0 50 | 7 23 | 0 5 | 22 4 | 0 37 | 8 33 | 1 35 | 21 52 | 0 5 | 17 18 | 1 40 | 16 36 | 11 32 | 21 43 | 21 49 | 10 6 | 2 59 | 5 12 |
| S 25 | 18 58 | 20 33 | 1n 4 | 17 26 | 3 20 | 20 5 | 0 52 | 7 40 | 0 7 | 22 4 | 0 37 | 8 34 | 1 35 | 21 52 | 0 5 | 17 19 | 1 40 | 16 37 | 11 32 | 21 43 | 21 50 | 10 9 | 2 58 | 5 12 |
| M26 | 18 44 | 18 9 | 2 14 | 17 36 | 3 22 | 19 49 | 0 54 | 7 57 | 0 8 | 22 4 | 0 37 | 8 36 | 1 35 | 21 52 | 0 5 | 17 19 | 1 40 | 16 38 | 11 33 | 21 43 | 21 50 | 10 11 | 2 57 | 5 12 |
| T 27 | 18 29 | 14 41 | 3 18 | 17 46 | 3 22 | 19 33 | 0 56 | 8 13 | 0 9 | 22 4 | 0 36 | 8 37 | 1 35 | 21 52 | 0 5 | 17 19 | 1 40 | 16 38 | 11 33 | 21 43 | 21 51 | 10 13 | 2 56 | 5 12 |
| W28 | 18 13 | 10 23 | 4 11 | 17 56 | 3 19 | 19 16 | 0 58 | 8 30 | 0 10 | 22 4 | 0 36 | 8 39 | 1 36 | 21 52 | 0 5 | 17 19 | 1 40 | 16 39 | 11 33 | 21 44 | 21 51 | 10 16 | 2 55 | 5 12 |
| T 29 | 17 57 | 5 30 | 4 49 | 18 7 | 3 15 | 18 58 | 0 59 | 8 46 | 0 11 | 22 4 | 0 36 | 8 40 | 1 36 | 21 52 | 0 5 | 17 19 | 1 40 | 16 40 | 11 33 | 21 44 | 21 52 | 10 18 | 2 54 | 5 11 |
| F 30 | 17 41 | 0 17 | 5 11 | 18 17 | 3 10 | 18 40 | 1 1 | 9 2 | 0 12 | 22 4 | 0 36 | 8 42 | 1 36 | 21 52 | 0 5 | 17 19 | 1 40 | 16 40 | 11 34 | 21 44 | 21 52 | 10 20 | 2 53 | 5 11 |
| S 31 | 17s25 | 4s58 | 5n14 | 18s26 | 3n 3 | 18s21 | 1s 3 | 9n18 | 0n13 | 22n 4 | 0s36 | 8n43 | 1n36 | 21n51 | 0s 5 | 17s20 | 1n40 | 16n41 | 11n34 | 21n45 | 21n53 | 10n23 | 2s51 | 5n11 |

Julian Day Number = 2798525.5, Delta T = 49m35s
Ecliptic obliquity = 23°18'54, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°02'16, Lahiri = 37°09'17


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# ASTRODIENST EPHEMERIS for the year 2950
# geocentric

## FEBRUARY 2950 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 45 56 | 11♒53'09 | 9♏48 | 22°R23 | 12♒24 | 24♈15 | 16°R42 | 11°R22 | 10°R43 | 25♏ 8 | 14°R35 | 20°D35 | 19♋40 | 10♉48 | 10♓23 | S 1 |
| M 2 | 8 49 53 | 12°54'12 | 23°58 | 22°D23 | 13°40 | 24°56 | 16♊40 | 11♍18 | 10♊42 | 25° 9 | 14♍33 | 20♋36 | 19°36 | 10°54 | 10°26 | M 2 |
| T 3 | 8 53 49 | 13°55'15 | 8♐ 4 | 22♑31 | 14°55 | 25°38 | 16°39 | 11°14 | 10°42 | 25° 9 | 14°32 | 20°37 | 19°33 | 11° 1 | 10°30 | T 3 |
| W 4 | 8 57 46 | 14°56'18 | 22° 6 | 22°47 | 16°11 | 26°19 | 16°38 | 11°10 | 10°41 | 25°10 | 14°31 | 20°39 | 19°30 | 11° 8 | 10°34 | W 4 |
| T 5 | 9 1 43 | 15°57'21 | 6♑ 0 | 23° 9 | 17°26 | 27° 0 | 16°37 | 11° 6 | 10°40 | 25°11 | 14°30 | 20°40 | 19°27 | 11°14 | 10°38 | T 5 |
| F 6 | 9 5 39 | 16°58'23 | 19°46 | 23°38 | 18°42 | 27°42 | 16°36 | 11° 2 | 10°40 | 25°12 | 14°28 | 20°R41 | 19°24 | 11°21 | 10°42 | F 6 |
| S 7 | 9 9 36 | 17°59'25 | 3♒21 | 24°12 | 19°57 | 28°23 | 16°35 | 10°58 | 10°39 | 25°12 | 14°27 | 20°40 | 19°21 | 11°28 | 10°46 | S 7 |
| S 8 | 9 13 32 | 19° 0'26 | 16°43 | 24°51 | 21°12 | 29° 4 | 16°35 | 10°54 | 10°39 | 25°13 | 14°26 | 20°38 | 19°17 | 11°35 | 10°50 | S 8 |
| M 9 | 9 17 29 | 20° 1'26 | 29°51 | 25°35 | 22°28 | 29°46 | 16°34 | 10°49 | 10°38 | 25°13 | 14°24 | 20°34 | 19°14 | 11°41 | 10°54 | M 9 |
| T 10 | 9 21 25 | 21° 2'26 | 12♓43 | 26°23 | 23°43 | 0♉27 | 16°D34 | 10°45 | 10°38 | 25°14 | 14°23 | 20°29 | 19°11 | 11°48 | 10°58 | T 10 |
| W11 | 9 25 22 | 22° 3'24 | 25°20 | 27°15 | 24°59 | 1° 8 | 16°34 | 10°40 | 10°37 | 25°14 | 14°22 | 20°24 | 19° 8 | 11°55 | 11° 2 | W11 |
| T 12 | 9 29 18 | 23° 4'22 | 7♈42 | 28°11 | 26°14 | 1°50 | 16°35 | 10°36 | 10°37 | 25°15 | 14°20 | 20°18 | 19° 5 | 12° 1 | 11° 6 | T 12 |
| F 13 | 9 33 15 | 24° 5'18 | 19°50 | 29°10 | 27°29 | 2°31 | 16°35 | 10°31 | 10°37 | 25°15 | 14°19 | 20°13 | 19° 2 | 12° 8 | 11°10 | F 13 |
| S 14 | 9 37 12 | 25° 6'14 | 1♉49 | 0♒11 | 28°45 | 3°12 | 16°36 | 10°27 | 10°37 | 25°16 | 14°18 | 20° 8 | 18°58 | 12°15 | 11°14 | S 14 |
| S 15 | 9 41 8 | 26° 7'08 | 13°42 | 1°15 | 0♓ 0 | 3°54 | 16°37 | 10°22 | 10°36 | 25°16 | 14°16 | 20° 6 | 18°55 | 12°22 | 11°18 | S 15 |
| M16 | 9 45 5 | 27° 8'01 | 25°33 | 2°22 | 1°16 | 4°35 | 16°38 | 10°17 | 10°36 | 25°16 | 14°15 | 20°D 5 | 18°52 | 12°28 | 11°22 | M16 |
| T 17 | 9 49 1 | 28° 8'53 | 7♊28 | 3°30 | 2°31 | 5°16 | 16°40 | 10°13 | 10°D36 | 25°17 | 14°13 | 20° 5 | 18°49 | 12°35 | 11°26 | T 17 |
| W18 | 9 52 58 | 29° 9'44 | 19°31 | 4°41 | 3°46 | 5°58 | 16°41 | 10° 8 | 10°36 | 25°17 | 14°12 | 20° 7 | 18°46 | 12°42 | 11°30 | W18 |
| T 19 | 9 56 54 | 0♓10'33 | 1♋47 | 5°53 | 5° 2 | 6°39 | 16°43 | 10° 3 | 10°36 | 25°17 | 14°10 | 20° 8 | 18°42 | 12°48 | 11°34 | T 19 |
| F 20 | 10 0 51 | 1°11'21 | 14°21 | 7° 7 | 6°17 | 7°20 | 16°45 | 9°59 | 10°37 | 25°17 | 14° 9 | 20°R10 | 18°39 | 12°55 | 11°38 | F 20 |
| S 21 | 10 4 47 | 2°12'08 | 27°16 | 8°23 | 7°32 | 8° 2 | 16°47 | 9°54 | 10°37 | 25°17 | 14° 7 | 20°10 | 18°36 | 13° 2 | 11°43 | S 21 |
| S 22 | 10 8 44 | 3°12'54 | 10♌35 | 9°40 | 8°47 | 8°43 | 16°50 | 9°49 | 10°37 | 25°18 | 14° 6 | 20° 8 | 18°33 | 13° 9 | 11°47 | S 22 |
| M23 | 10 12 41 | 4°13'38 | 24°17 | 10°59 | 10° 3 | 9°24 | 16°52 | 9°44 | 10°37 | 25°18 | 14° 5 | 20° 4 | 18°30 | 13°15 | 11°51 | M23 |
| T 24 | 10 16 37 | 5°14'21 | 8♍20 | 12°19 | 11°18 | 10° 5 | 16°55 | 9°39 | 10°38 | 25°18 | 14° 3 | 19°58 | 18°27 | 13°22 | 11°55 | T 24 |
| W25 | 10 20 34 | 6°15'03 | 22°40 | 13°40 | 12°33 | 10°46 | 16°58 | 9°34 | 10°38 | 25°R18 | 14° 2 | 19°50 | 18°23 | 13°29 | 11°59 | W25 |
| T 26 | 10 24 30 | 7°15'43 | 7♎11 | 15° 3 | 13°48 | 11°28 | 17° 1 | 9°30 | 10°38 | 25°18 | 14° 0 | 19°42 | 18°20 | 13°35 | 12° 3 | T 26 |
| F 27 | 10 28 27 | 8°16'22 | 21°46 | 16°26 | 15° 4 | 12° 9 | 17° 4 | 9°25 | 10°39 | 25°18 | 13°59 | 19°35 | 18°17 | 13°42 | 12° 7 | F 27 |
| S 28 | 10 32 23 | 9♓17'01 | 6♏18 | 17♒51 | 16♓19 | 12♉50 | 17♊ 8 | 9♍20 | 10♊39 | 25♏18 | 13♍57 | 19♋29 | 18♋14 | 13♉49 | 12♓12 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17s 8 | 9s58 | 4n58 | 18s36 | 2n55 | 18s 1 | 1s 4 | 9n35 | 0n14 | 22n 4 | 0s35 | 8n45 | 1n36 | 21n51 | 0s 5 | 17s20 | 1n40 | 16n42 | 11n34 | 21n45 | 21n53 | 10n25 | 2s50 | 5n11 |
| M 2 | 16 51 | 14 25 | 4 23 | 18 44 | 2 46 | 17 41 | 1 6 | 9 51 | 0 15 | 22 4 | 0 35 | 8 47 | 1 36 | 21 51 | 0 5 | 17 20 | 1 40 | 16 42 | 11 34 | 21 45 | 21 53 | 10 27 | 2 49 | 5 10 |
| T 3 | 16 34 | 18 2 | 3 33 | 18 52 | 2 36 | 17 21 | 1 8 | 10 7 | 0 16 | 22 4 | 0 35 | 8 48 | 1 37 | 21 51 | 0 5 | 17 20 | 1 40 | 16 43 | 11 35 | 21 45 | 21 54 | 10 30 | 2 48 | 5 10 |
| W 4 | 16 16 | 20 34 | 2 31 | 19 0 | 2 26 | 17 0 | 1 9 | 10 23 | 0 17 | 22 4 | 0 35 | 8 50 | 1 37 | 21 51 | 0 5 | 17 20 | 1 40 | 16 44 | 11 35 | 21 44 | 21 54 | 10 32 | 2 46 | 5 10 |
| T 5 | 15 58 | 21 51 | 1 20 | 19 6 | 2 16 | 16 39 | 1 10 | 10 38 | 0 18 | 22 5 | 0 34 | 8 52 | 1 37 | 21 51 | 0 5 | 17 20 | 1 40 | 16 45 | 11 35 | 21 44 | 21 55 | 10 34 | 2 45 | 5 10 |
| F 6 | 15 40 | 21 47 | 0 5 | 19 12 | 2 5 | 16 17 | 1 12 | 10 54 | 0 19 | 22 5 | 0 34 | 8 53 | 1 37 | 21 51 | 0 5 | 17 20 | 1 40 | 16 45 | 11 35 | 21 44 | 21 55 | 10 37 | 2 44 | 5 10 |
| S 7 | 15 22 | 20 26 | 1s 9 | 19 17 | 1 55 | 15 55 | 1 13 | 11 10 | 0 20 | 22 5 | 0 34 | 8 55 | 1 37 | 21 51 | 0 5 | 17 20 | 1 40 | 16 46 | 11 36 | 21 44 | 21 56 | 10 39 | 2 43 | 5 10 |
| S 8 | 15 3 | 17 56 | 2 18 | 19 20 | 1 44 | 15 32 | 1 14 | 11 25 | 0 21 | 22 5 | 0 34 | 8 57 | 1 37 | 21 51 | 0 5 | 17 20 | 1 41 | 16 47 | 11 36 | 21 44 | 21 56 | 10 41 | 2 41 | 5 9 |
| M 9 | 14 44 | 14 34 | 3 18 | 19 23 | 1 33 | 15 9 | 1 16 | 11 41 | 0 22 | 22 5 | 0 34 | 8 59 | 1 38 | 21 51 | 0 5 | 17 21 | 1 41 | 16 48 | 11 36 | 21 45 | 21 57 | 10 44 | 2 40 | 5 9 |
| T 10 | 14 25 | 10 33 | 4 7 | 19 25 | 1 23 | 14 45 | 1 17 | 11 56 | 0 23 | 22 5 | 0 33 | 9 1 | 1 38 | 21 51 | 0 5 | 17 21 | 1 41 | 16 48 | 11 36 | 21 46 | 21 57 | 10 46 | 2 39 | 5 9 |
| W11 | 14 5 | 6 10 | 4 42 | 19 25 | 1 12 | 14 21 | 1 18 | 12 11 | 0 24 | 22 6 | 0 33 | 9 2 | 1 38 | 21 51 | 0 5 | 17 21 | 1 41 | 16 49 | 11 37 | 21 47 | 21 57 | 10 48 | 2 37 | 5 9 |
| T 12 | 13 45 | 1 37 | 5 4 | 19 25 | 1 1 | 13 57 | 1 19 | 12 26 | 0 25 | 22 6 | 0 33 | 9 4 | 1 38 | 21 51 | 0 5 | 17 21 | 1 41 | 16 50 | 11 37 | 21 47 | 21 58 | 10 51 | 2 36 | 5 9 |
| F 13 | 13 25 | 2n54 | 5 11 | 19 23 | 0 51 | 13 32 | 1 20 | 12 41 | 0 26 | 22 6 | 0 33 | 9 6 | 1 38 | 21 51 | 0 5 | 17 21 | 1 41 | 16 50 | 11 37 | 21 48 | 21 58 | 10 53 | 2 35 | 5 9 |
| S 14 | 13 5 | 7 16 | 5 5 | 19 20 | 0 41 | 13 7 | 1 21 | 12 56 | 0 27 | 22 6 | 0 32 | 9 8 | 1 38 | 21 51 | 0 5 | 17 21 | 1 41 | 16 51 | 11 37 | 21 49 | 21 59 | 10 55 | 2 33 | 5 8 |
| S 15 | 12 45 | 11 19 | 4 46 | 19 16 | 0 31 | 12 41 | 1 22 | 13 11 | 0 28 | 22 7 | 0 32 | 9 10 | 1 39 | 21 51 | 0 5 | 17 21 | 1 41 | 16 52 | 11 37 | 21 49 | 21 59 | 10 58 | 2 32 | 5 8 |
| M16 | 12 24 | 14 56 | 4 14 | 19 11 | 0 21 | 12 16 | 1 23 | 13 26 | 0 28 | 22 7 | 0 32 | 9 12 | 1 39 | 21 51 | 0 5 | 17 21 | 1 41 | 16 53 | 11 38 | 21 49 | 22 0 | 11 0 | 2 30 | 5 8 |
| T 17 | 12 3 | 17 58 | 3 31 | 19 5 | 0 12 | 11 49 | 1 23 | 13 40 | 0 29 | 22 7 | 0 32 | 9 14 | 1 39 | 21 51 | 0 5 | 17 21 | 1 41 | 16 53 | 11 38 | 21 49 | 22 0 | 11 2 | 2 29 | 5 8 |
| W18 | 11 42 | 20 16 | 2 39 | 18 57 | 0 3 | 11 23 | 1 24 | 13 55 | 0 30 | 22 8 | 0 32 | 9 15 | 1 39 | 21 51 | 0 5 | 17 21 | 1 41 | 16 54 | 11 38 | 21 49 | 22 1 | 11 5 | 2 28 | 5 8 |
| T 19 | 11 21 | 21 40 | 1 38 | 18 48 | 0s 6 | 10 56 | 1 25 | 14 9 | 0 31 | 22 8 | 0 31 | 9 17 | 1 39 | 21 51 | 0 5 | 17 21 | 1 41 | 16 55 | 11 38 | 21 49 | 22 1 | 11 7 | 2 26 | 5 8 |
| F 20 | 11 0 | 22 1 | 0 32 | 18 38 | 0 15 | 10 29 | 1 25 | 14 23 | 0 32 | 22 9 | 0 31 | 9 19 | 1 39 | 21 51 | 0 5 | 17 21 | 1 41 | 16 55 | 11 38 | 21 49 | 22 1 | 11 9 | 2 25 | 5 8 |
| S 21 | 10 38 | 21 14 | 0n38 | 18 27 | 0 24 | 10 2 | 1 26 | 14 38 | 0 33 | 22 9 | 0 31 | 9 21 | 1 39 | 21 51 | 0 5 | 17 21 | 1 41 | 16 56 | 11 38 | 21 49 | 22 2 | 11 12 | 2 23 | 5 7 |
| S 22 | 10 16 | 19 14 | 1 48 | 18 15 | 0 32 | 9 34 | 1 26 | 14 52 | 0 33 | 22 10 | 0 31 | 9 23 | 1 39 | 21 51 | 0 5 | 17 21 | 1 41 | 16 57 | 11 39 | 21 49 | 22 2 | 11 14 | 2 22 | 5 7 |
| M23 | 9 55 | 16 6 | 2 54 | 18 1 | 0 40 | 9 6 | 1 27 | 15 5 | 0 34 | 22 10 | 0 30 | 9 25 | 1 39 | 21 51 | 0 5 | 17 21 | 1 41 | 16 58 | 11 39 | 21 50 | 22 3 | 11 16 | 2 20 | 5 7 |
| T 24 | 9 33 | 11 58 | 3 50 | 17 46 | 0 47 | 8 38 | 1 27 | 15 19 | 0 35 | 22 10 | 0 30 | 9 27 | 1 40 | 21 51 | 0 5 | 17 21 | 1 41 | 16 58 | 11 39 | 21 50 | 22 3 | 11 19 | 2 19 | 5 7 |
| W25 | 9 10 | 7 5 | 4 34 | 17 30 | 0 55 | 8 10 | 1 27 | 15 33 | 0 36 | 22 11 | 0 30 | 9 29 | 1 40 | 21 51 | 0 5 | 17 21 | 1 42 | 16 59 | 11 39 | 21 51 | 22 4 | 11 21 | 2 18 | 5 7 |
| T 26 | 8 48 | 1 46 | 5 0 | 17 13 | 1 2 | 7 41 | 1 27 | 15 46 | 0 36 | 22 11 | 0 30 | 9 31 | 1 40 | 21 51 | 0 5 | 17 21 | 1 42 | 17 0 | 11 39 | 21 53 | 22 4 | 11 23 | 2 16 | 5 7 |
| F 27 | 8 25 | 3s41 | 5 7 | 16 55 | 1 8 | 7 12 | 1 27 | 15 59 | 0 37 | 22 12 | 0 30 | 9 33 | 1 40 | 21 51 | 0 5 | 17 21 | 1 42 | 17 0 | 11 39 | 21 54 | 22 4 | 11 26 | 2 15 | 5 7 |
| S 28 | 8s 3 | 8s55 | 4n54 | 16s35 | 1s15 | 6s43 | 1s28 | 16n13 | 0n38 | 22n13 | 0s29 | 9n35 | 1n40 | 21n51 | 0s 5 | 17s21 | 1n42 | 17n 1 | 11n39 | 21n55 | 22n 5 | 11n28 | 2s13 | 5n 7 |

Julian Day Number = 2798556.5, Delta T = 49m36s
Ecliptic obliquity = 23°18'55, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°02'21, Lahiri = 37°09'21


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# ASTRODIENST EPHEMERIS for the year 2950
# geocentric

## MARCH 2950 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 36 20 | 10♓17'38 | 20♏43 | 19♒17 | 17♓34 | 13♉31 | 17♊12 | 9°R15 | 10♊40 | 25°R17 | 13°R56 | 19°R25 | 18♋11 | 13♉55 | 12♓16 | S 1 |
| M 2 | 10 40 16 | 11°18'15 | 4♐56 | 20°44 | 18°49 | 14°12 | 17°16 | 9♍10 | 10°41 | 25♏17 | 13♍54 | 19♋24 | 18° 8 | 14° 2 | 12°20 | M 2 |
| T 3 | 10 44 13 | 12°18'50 | 18°56 | 22°12 | 20° 4 | 14°53 | 17°20 | 9° 5 | 10°41 | 25°17 | 13°53 | 19°D23 | 18° 4 | 14° 9 | 12°24 | T 3 |
| W 4 | 10 48 10 | 13°19'24 | 2♑43 | 23°41 | 21°19 | 15°34 | 17°24 | 9° 0 | 10°42 | 25°17 | 13°51 | 19°24 | 18° 1 | 14°16 | 12°28 | W 4 |
| T 5 | 10 52 6 | 14°19'57 | 16°16 | 25°10 | 22°34 | 16°15 | 17°28 | 8°55 | 10°43 | 25°17 | 13°50 | 19°R25 | 17°58 | 14°22 | 12°32 | T 5 |
| F 6 | 10 56 3 | 15°20'29 | 29°37 | 26°41 | 23°50 | 16°56 | 17°33 | 8°51 | 10°44 | 25°16 | 13°48 | 19°25 | 17°55 | 14°29 | 12°37 | F 6 |
| S 7 | 10 59 59 | 16°21'00 | 12♒47 | 28°13 | 25° 5 | 17°38 | 17°38 | 8°46 | 10°45 | 25°16 | 13°46 | 19°22 | 17°52 | 14°36 | 12°41 | S 7 |
| S 8 | 11 3 56 | 17°21'29 | 25°45 | 29°46 | 26°20 | 18°19 | 17°43 | 8°41 | 10°46 | 25°16 | 13°45 | 19°17 | 17°48 | 14°42 | 12°45 | S 8 |
| M 9 | 11 7 52 | 18°21'57 | 8♓33 | 1♓20 | 27°35 | 19° 0 | 17°48 | 8°36 | 10°47 | 25°15 | 13°43 | 19° 9 | 17°45 | 14°49 | 12°49 | M 9 |
| T 10 | 11 11 49 | 19°22'23 | 21°10 | 2°54 | 28°50 | 19°41 | 17°53 | 8°31 | 10°48 | 25°15 | 13°42 | 18°59 | 17°42 | 14°56 | 12°53 | T 10 |
| W11 | 11 15 45 | 20°22'47 | 3♈35 | 4°30 | 0♈ 5 | 20°22 | 17°59 | 8°27 | 10°49 | 25°14 | 13°40 | 18°47 | 17°39 | 15° 3 | 12°57 | W11 |
| T 12 | 11 19 42 | 21°23'10 | 15°49 | 6° 7 | 1°20 | 21° 2 | 18° 5 | 8°22 | 10°50 | 25°14 | 13°39 | 18°35 | 17°36 | 15° 9 | 13° 2 | T 12 |
| F 13 | 11 23 38 | 22°23'32 | 27°54 | 7°44 | 2°35 | 21°43 | 18°10 | 8°17 | 10°51 | 25°13 | 13°37 | 18°23 | 17°33 | 15°16 | 13° 6 | F 13 |
| S 14 | 11 27 35 | 23°23'51 | 9♉51 | 9°23 | 3°50 | 22°24 | 18°16 | 8°13 | 10°52 | 25°13 | 13°36 | 18°13 | 17°29 | 15°23 | 13°10 | S 14 |
| S 15 | 11 31 32 | 24°24'09 | 21°42 | 11° 3 | 5° 5 | 23° 5 | 18°23 | 8° 8 | 10°54 | 25°12 | 13°34 | 18° 6 | 17°26 | 15°29 | 13°14 | S 15 |
| M16 | 11 35 28 | 25°24'24 | 3♊31 | 12°43 | 6°20 | 23°46 | 18°29 | 8° 4 | 10°55 | 25°12 | 13°33 | 18° 1 | 17°23 | 15°36 | 13°18 | M16 |
| T 17 | 11 39 25 | 26°24'38 | 15°24 | 14°25 | 7°35 | 24°27 | 18°35 | 7°59 | 10°57 | 25°11 | 13°32 | 17°58 | 17°20 | 15°43 | 13°22 | T 17 |
| W18 | 11 43 21 | 27°24'50 | 27°23 | 16° 8 | 8°49 | 25° 8 | 18°42 | 7°55 | 10°58 | 25°10 | 13°30 | 17°D58 | 17°17 | 15°49 | 13°26 | W18 |
| T 19 | 11 47 18 | 28°25'00 | 9♋36 | 17°51 | 10° 4 | 25°49 | 18°49 | 7°50 | 10°59 | 25°10 | 13°29 | 17°58 | 17°14 | 15°56 | 13°30 | T 19 |
| F 20 | 11 51 14 | 29°25'08 | 22° 8 | 19°36 | 11°19 | 26°29 | 18°56 | 7°46 | 11° 1 | 25° 9 | 13°27 | 17°R58 | 17°10 | 16° 3 | 13°34 | F 20 |
| S 21 | 11 55 11 | 0♈25'14 | 5♌ 2 | 21°22 | 12°34 | 27°10 | 19° 3 | 7°42 | 11° 3 | 25° 8 | 13°26 | 17°57 | 17° 7 | 16°10 | 13°38 | S 21 |
| S 22 | 11 59 7 | 1°25'18 | 18°23 | 23° 9 | 13°49 | 27°51 | 19°10 | 7°37 | 11° 4 | 25° 8 | 13°24 | 17°53 | 17° 4 | 16°16 | 13°42 | S 22 |
| M23 | 12 3 4 | 2°25'20 | 2♍13 | 24°57 | 15° 3 | 28°32 | 19°18 | 7°33 | 11° 6 | 25° 7 | 13°23 | 17°47 | 17° 1 | 16°23 | 13°46 | M23 |
| T 24 | 12 7 1 | 3°25'19 | 16°30 | 26°46 | 16°18 | 29°12 | 19°25 | 7°29 | 11° 8 | 25° 6 | 13°21 | 17°39 | 16°58 | 16°30 | 13°50 | T 24 |
| W25 | 12 10 57 | 4°25'17 | 1♎ 9 | 28°37 | 17°33 | 29°53 | 19°33 | 7°25 | 11° 9 | 25° 5 | 13°20 | 17°28 | 16°54 | 16°36 | 13°54 | W25 |
| T 26 | 12 14 54 | 5°25'13 | 16° 5 | 0♈28 | 18°47 | 0♊34 | 19°41 | 7°21 | 11°11 | 25° 4 | 13°19 | 17°17 | 16°51 | 16°43 | 13°58 | T 26 |
| F 27 | 12 18 50 | 6°25'07 | 1♏ 7 | 2°21 | 20° 2 | 1°14 | 19°49 | 7°17 | 11°13 | 25° 3 | 13°17 | 17° 6 | 16°48 | 16°50 | 14° 2 | F 27 |
| S 28 | 12 22 47 | 7°25'00 | 16° 5 | 4°14 | 21°17 | 1°55 | 19°57 | 7°13 | 11°15 | 25° 2 | 13°16 | 16°57 | 16°45 | 16°57 | 14° 6 | S 28 |
| S 29 | 12 26 43 | 8°24'50 | 0♐51 | 6° 9 | 22°31 | 2°35 | 20° 5 | 7° 9 | 11°17 | 25° 1 | 13°15 | 16°50 | 16°42 | 17° 3 | 14°10 | S 29 |
| M30 | 12 30 40 | 9°24'40 | 15°20 | 8° 5 | 23°46 | 3°16 | 20°14 | 7° 6 | 11°19 | 25° 0 | 13°13 | 16°46 | 16°39 | 17°10 | 14°14 | M30 |
| T 31 | 12 34 36 | 10♈24'27 | 29♐27 | 10♈ 2 | 25♈ 0 | 3♊56 | 20♊22 | 7♍ 2 | 11♊21 | 24♏59 | 13♍12 | 16♋45 | 16♋35 | 17♉17 | 14♓18 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7s40 | 13s37 | 4n23 | 16s15 | 1s21 | 6s14 | 1s28 | 16n26 | 0n39 | 22n13 | 0s29 | 9n36 | 1n40 | 21n51 | 0s 5 | 17s20 | 1n42 | 17n 2 | 11n39 | 21n55 | 22n 5 | 11n30 | 2s12 | 5n 7 |
| M 2 | 7 17 | 17 28 | 3 36 | 15 53 | 1 27 | 5 45 | 1 27 | 16 39 | 0 39 | 22 14 | 0 29 | 9 38 | 1 40 | 21 51 | 0 5 | 17 20 | 1 42 | 17 2 | 11 39 | 21 55 | 22 6 | 11 33 | 2 10 | 5 7 |
| T 3 | 6 54 | 20 16 | 2 36 | 15 30 | 1 32 | 5 15 | 1 27 | 16 51 | 0 40 | 22 14 | 0 29 | 9 40 | 1 40 | 21 52 | 0 5 | 17 20 | 1 42 | 17 3 | 11 40 | 21 55 | 22 6 | 11 35 | 2 9 | 5 7 |
| W 4 | 6 31 | 21 49 | 1 29 | 15 6 | 1 37 | 4 46 | 1 27 | 17 4 | 0 41 | 22 15 | 0 29 | 9 42 | 1 40 | 21 52 | 0 5 | 17 20 | 1 42 | 17 4 | 11 40 | 21 55 | 22 7 | 11 37 | 2 7 | 5 7 |
| T 5 | 6 8 | 22 3 | 0 17 | 14 40 | 1 42 | 4 16 | 1 27 | 17 16 | 0 41 | 22 15 | 0 28 | 9 44 | 1 40 | 21 52 | 0 5 | 17 20 | 1 42 | 17 4 | 11 40 | 21 55 | 22 7 | 11 39 | 2 6 | 5 6 |
| F 6 | 5 45 | 21 1 | 0s54 | 14 14 | 1 47 | 3 46 | 1 26 | 17 29 | 0 42 | 22 16 | 0 28 | 9 46 | 1 40 | 21 52 | 0 4 | 17 20 | 1 42 | 17 5 | 11 40 | 21 55 | 22 7 | 11 42 | 2 4 | 5 6 |
| S 7 | 5 22 | 18 50 | 2 2 | 13 46 | 1 51 | 3 16 | 1 26 | 17 41 | 0 43 | 22 17 | 0 28 | 9 48 | 1 40 | 21 52 | 0 4 | 17 20 | 1 42 | 17 6 | 11 40 | 21 56 | 22 8 | 11 44 | 2 3 | 5 6 |
| S 8 | 4 58 | 15 43 | 3 1 | 13 17 | 1 55 | 2 46 | 1 26 | 17 53 | 0 43 | 22 17 | 0 28 | 9 50 | 1 40 | 21 52 | 0 4 | 17 20 | 1 42 | 17 6 | 11 40 | 21 56 | 22 8 | 11 46 | 2 1 | 5 6 |
| M 9 | 4 35 | 11 54 | 3 51 | 12 47 | 1 58 | 2 16 | 1 25 | 18 5 | 0 44 | 22 18 | 0 28 | 9 51 | 1 41 | 21 52 | 0 4 | 17 19 | 1 42 | 17 7 | 11 40 | 21 57 | 22 9 | 11 49 | 1 59 | 5 6 |
| T 10 | 4 11 | 7 36 | 4 28 | 12 16 | 2 1 | 1 45 | 1 24 | 18 17 | 0 44 | 22 19 | 0 27 | 9 53 | 1 41 | 21 52 | 0 4 | 17 19 | 1 42 | 17 8 | 11 40 | 21 59 | 22 9 | 11 51 | 1 58 | 5 6 |
| W11 | 3 48 | 3 4 | 4 52 | 11 44 | 2 4 | 1 15 | 1 24 | 18 28 | 0 45 | 22 19 | 0 27 | 9 55 | 1 41 | 21 53 | 0 4 | 17 19 | 1 42 | 17 8 | 11 40 | 22 0 | 22 9 | 11 53 | 1 56 | 5 6 |
| T 12 | 3 24 | 1n32 | 5 2 | 11 11 | 2 6 | 0 45 | 1 23 | 18 40 | 0 46 | 22 20 | 0 27 | 9 57 | 1 41 | 21 53 | 0 4 | 17 19 | 1 42 | 17 9 | 11 40 | 22 2 | 22 10 | 11 56 | 1 55 | 5 6 |
| F 13 | 3 0 | 6 1 | 4 59 | 10 36 | 2 8 | 0 14 | 1 22 | 18 51 | 0 46 | 22 21 | 0 27 | 9 59 | 1 41 | 21 53 | 0 4 | 17 19 | 1 42 | 17 9 | 11 40 | 22 4 | 22 10 | 11 58 | 1 53 | 5 6 |
| S 14 | 2 37 | 10 14 | 4 42 | 10 1 | 2 10 | 0n16 | 1 21 | 19 2 | 0 47 | 22 22 | 0 27 | 10 0 | 1 41 | 21 53 | 0 4 | 17 19 | 1 42 | 17 10 | 11 40 | 22 5 | 22 11 | 12 0 | 1 52 | 5 6 |
| S 15 | 2 13 | 14 1 | 4 13 | 9 24 | 2 11 | 0 46 | 1 21 | 19 13 | 0 47 | 22 22 | 0 26 | 10 2 | 1 41 | 21 53 | 0 4 | 17 18 | 1 43 | 17 11 | 11 40 | 22 6 | 22 11 | 12 2 | 1 50 | 5 6 |
| M16 | 1 49 | 17 16 | 3 33 | 8 47 | 2 11 | 1 17 | 1 20 | 19 24 | 0 48 | 22 23 | 0 26 | 10 4 | 1 41 | 21 54 | 0 4 | 17 18 | 1 43 | 17 11 | 11 40 | 22 7 | 22 12 | 12 5 | 1 49 | 5 6 |
| T 17 | 1 25 | 19 48 | 2 44 | 8 8 | 2 12 | 1 47 | 1 19 | 19 34 | 0 49 | 22 24 | 0 26 | 10 5 | 1 41 | 21 54 | 0 4 | 17 18 | 1 43 | 17 12 | 11 40 | 22 7 | 22 12 | 12 7 | 1 47 | 5 6 |
| W18 | 1 1 | 21 30 | 1 47 | 7 28 | 2 12 | 2 18 | 1 17 | 19 45 | 0 49 | 22 25 | 0 26 | 10 7 | 1 41 | 21 54 | 0 4 | 17 18 | 1 43 | 17 12 | 11 40 | 22 7 | 22 12 | 12 9 | 1 46 | 5 6 |
| T 19 | 0 38 | 22 14 | 0 44 | 6 47 | 2 11 | 2 48 | 1 16 | 19 55 | 0 50 | 22 25 | 0 26 | 10 9 | 1 41 | 21 54 | 0 4 | 17 18 | 1 43 | 17 13 | 11 40 | 22 7 | 22 13 | 12 12 | 1 44 | 5 6 |
| F 20 | 0 14 | 21 52 | 0n22 | 6 5 | 2 10 | 3 18 | 1 15 | 20 5 | 0 50 | 22 26 | 0 25 | 10 10 | 1 41 | 21 54 | 0 4 | 17 17 | 1 43 | 17 13 | 11 40 | 22 7 | 22 13 | 12 14 | 1 42 | 5 6 |
| S 21 | 0n10 | 20 21 | 1 29 | 5 23 | 2 9 | 3 48 | 1 14 | 20 15 | 0 51 | 22 27 | 0 25 | 10 12 | 1 41 | 21 55 | 0 4 | 17 17 | 1 43 | 17 14 | 11 40 | 22 7 | 22 14 | 12 16 | 1 41 | 5 6 |
| S 22 | 0 34 | 17 41 | 2 34 | 4 39 | 2 7 | 4 18 | 1 12 | 20 25 | 0 51 | 22 28 | 0 25 | 10 14 | 1 41 | 21 55 | 0 4 | 17 17 | 1 43 | 17 15 | 11 40 | 22 8 | 22 14 | 12 18 | 1 39 | 5 6 |
| M23 | 0 58 | 13 55 | 3 32 | 3 54 | 2 4 | 4 48 | 1 11 | 20 34 | 0 52 | 22 28 | 0 25 | 10 15 | 1 41 | 21 55 | 0 4 | 17 17 | 1 43 | 17 15 | 11 40 | 22 8 | 22 14 | 12 21 | 1 38 | 5 6 |
| T 24 | 1 21 | 9 16 | 4 18 | 3 8 | 2 1 | 5 18 | 1 10 | 20 44 | 0 52 | 22 29 | 0 25 | 10 17 | 1 41 | 21 55 | 0 4 | 17 17 | 1 43 | 17 16 | 11 40 | 22 10 | 22 15 | 12 23 | 1 36 | 5 6 |
| W25 | 1 45 | 3 58 | 4 49 | 2 21 | 1 58 | 5 48 | 1 8 | 20 53 | 0 53 | 22 30 | 0 25 | 10 18 | 1 41 | 21 56 | 0 4 | 17 16 | 1 43 | 17 16 | 11 40 | 22 11 | 22 15 | 12 25 | 1 35 | 5 6 |
| T 26 | 2 9 | 1s40 | 5 1 | 1 34 | 1 54 | 6 18 | 1 7 | 21 2 | 0 53 | 22 31 | 0 24 | 10 20 | 1 41 | 21 56 | 0 4 | 17 16 | 1 43 | 17 17 | 11 40 | 22 12 | 22 16 | 12 28 | 1 33 | 5 6 |
| F 27 | 2 32 | 7 14 | 4 52 | 0 45 | 1 50 | 6 47 | 1 5 | 21 11 | 0 54 | 22 31 | 0 24 | 10 21 | 1 41 | 21 56 | 0 4 | 17 16 | 1 43 | 17 17 | 11 40 | 22 14 | 22 16 | 12 30 | 1 32 | 5 6 |
| S 28 | 2 56 | 12 22 | 4 23 | 0n 4 | 1 45 | 7 17 | 1 3 | 21 19 | 0 54 | 22 32 | 0 24 | 10 23 | 1 41 | 21 57 | 0 4 | 17 15 | 1 43 | 17 17 | 11 40 | 22 15 | 22 16 | 12 32 | 1 30 | 5 7 |
| S 29 | 3 19 | 16 41 | 3 37 | 0 54 | 1 39 | 7 46 | 1 2 | 21 28 | 0 55 | 22 33 | 0 24 | 10 24 | 1 41 | 21 57 | 0 4 | 17 15 | 1 43 | 17 18 | 11 40 | 22 16 | 22 17 | 12 34 | 1 29 | 5 7 |
| M30 | 3 43 | 19 54 | 2 38 | 1 45 | 1 34 | 8 15 | 1 0 | 21 36 | 0 55 | 22 34 | 0 24 | 10 25 | 1 41 | 21 57 | 0 4 | 17 15 | 1 43 | 17 18 | 11 40 | 22 16 | 22 17 | 12 37 | 1 27 | 5 7 |
| T 31 | 4n 6 | 21s49 | 1n30 | 2n37 | 1s27 | 8n44 | 0s58 | 21n44 | 0n55 | 22n35 | 0s24 | 10n27 | 1n41 | 21n57 | 0s 4 | 17s15 | 1n43 | 17n19 | 11n39 | 22n16 | 22n17 | 12n39 | 1s26 | 5n 7 |

Julian Day Number = 2798584.5, Delta T = 49m36s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°02'24, Lahiri = 37°09'25


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# ASTRODIENST EPHEMERIS for the year 2950
# geocentric

## APRIL 2950 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 38 33 | 11♈24'14 | 13♉13 | 11♈59 | 26♈15 | 4♊37 | 20♊31 | 6°R58 | 11♊23 | 24°R58 | 13°R11 | 16°R44 | 16♋32 | 17♉23 | 14♓21 | W 1 |
| T 2 | 12 42 30 | 12°23'58 | 26°39 | 13°58 | 27°29 | 5°17 | 20°40 | 6♍55 | 11°25 | 24♏57 | 13♍ 9 | 16♋44 | 16°29 | 17°30 | 14°25 | T 2 |
| F 3 | 12 46 26 | 13°23'41 | 9♒47 | 15°57 | 28°44 | 5°58 | 20°49 | 6°51 | 11°27 | 24°56 | 13° 8 | 16°43 | 16°26 | 17°37 | 14°29 | F 3 |
| S 4 | 12 50 23 | 14°23'22 | 22°40 | 17°57 | 29°58 | 6°38 | 20°58 | 6°48 | 11°30 | 24°55 | 13° 7 | 16°39 | 16°23 | 17°43 | 14°33 | S 4 |
| S 5 | 12 54 19 | 15°23'01 | 5♓20 | 19°58 | 1♉12 | 7°19 | 21° 7 | 6°45 | 11°32 | 24°54 | 13° 6 | 16°33 | 16°19 | 17°50 | 14°36 | S 5 |
| M 6 | 12 58 16 | 16°22'39 | 17°50 | 21°59 | 2°27 | 7°59 | 21°16 | 6°42 | 11°34 | 24°53 | 13° 4 | 16°23 | 16°16 | 17°57 | 14°40 | M 6 |
| T 7 | 13 2 12 | 17°22'15 | 0♈10 | 24° 0 | 3°41 | 8°39 | 21°26 | 6°38 | 11°37 | 24°51 | 13° 3 | 16°11 | 16°13 | 18° 4 | 14°44 | T 7 |
| W 8 | 13 6 9 | 18°21'48 | 12°22 | 26° 0 | 4°55 | 9°20 | 21°35 | 6°35 | 11°39 | 24°50 | 13° 2 | 15°57 | 16°10 | 18°10 | 14°47 | W 8 |
| T 9 | 13 10 5 | 19°21'20 | 24°27 | 28° 1 | 6°10 | 10° 0 | 21°45 | 6°32 | 11°41 | 24°49 | 13° 1 | 15°42 | 16° 7 | 18°17 | 14°51 | T 9 |
| F 10 | 13 14 2 | 20°20'50 | 6♉25 | 0♉ 1 | 7°24 | 10°40 | 21°55 | 6°30 | 11°44 | 24°48 | 13° 0 | 15°28 | 16° 4 | 18°24 | 14°55 | F 10 |
| S 11 | 13 17 58 | 21°20'18 | 18°18 | 2° 0 | 8°38 | 11°20 | 22° 5 | 6°27 | 11°46 | 24°46 | 12°59 | 15°16 | 16° 0 | 18°30 | 14°58 | S 11 |
| S 12 | 13 21 55 | 22°19'44 | 0♊ 7 | 3°57 | 9°52 | 12° 1 | 22°15 | 6°24 | 11°49 | 24°45 | 12°57 | 15° 6 | 15°57 | 18°37 | 15° 2 | S 12 |
| M13 | 13 25 52 | 23°19'07 | 11°56 | 5°53 | 11° 7 | 12°41 | 22°25 | 6°22 | 11°51 | 24°44 | 12°56 | 14°59 | 15°54 | 18°44 | 15° 5 | M13 |
| T 14 | 13 29 48 | 24°18'29 | 23°48 | 7°46 | 12°21 | 13°21 | 22°35 | 6°19 | 11°54 | 24°42 | 12°55 | 14°55 | 15°51 | 18°50 | 15° 8 | T 14 |
| W15 | 13 33 45 | 25°17'48 | 5♋46 | 9°37 | 13°35 | 14° 1 | 22°45 | 6°17 | 11°56 | 24°41 | 12°54 | 14°54 | 15°48 | 18°57 | 15°12 | W15 |
| T 16 | 13 37 41 | 26°17'05 | 17°57 | 11°25 | 14°49 | 14°41 | 22°56 | 6°15 | 11°59 | 24°40 | 12°53 | 14°D54 | 15°45 | 19° 4 | 15°15 | T 16 |
| F 17 | 13 41 38 | 27°16'20 | 0♌24 | 13°10 | 16° 3 | 15°21 | 23° 6 | 6°12 | 12° 2 | 24°38 | 12°52 | 14°R54 | 15°41 | 19°11 | 15°19 | F 17 |
| S 18 | 13 45 34 | 28°15'33 | 13°14 | 14°51 | 17°17 | 16° 1 | 23°17 | 6°10 | 12° 4 | 24°37 | 12°51 | 14°53 | 15°38 | 19°17 | 15°22 | S 18 |
| S 19 | 13 49 31 | 29°14'43 | 26°30 | 16°27 | 18°31 | 16°42 | 23°27 | 6° 8 | 12° 7 | 24°35 | 12°50 | 14°50 | 15°35 | 19°24 | 15°25 | S 19 |
| M20 | 13 53 27 | 0♉13'51 | 10♍16 | 18° 0 | 19°45 | 17°22 | 23°38 | 6° 7 | 12°10 | 24°34 | 12°49 | 14°45 | 15°32 | 19°31 | 15°28 | M20 |
| T 21 | 13 57 24 | 1°12'57 | 24°32 | 19°27 | 20°59 | 18° 2 | 23°49 | 6° 5 | 12°13 | 24°32 | 12°48 | 14°37 | 15°29 | 19°37 | 15°32 | T 21 |
| W22 | 14 1 21 | 2°12'00 | 9♎16 | 20°50 | 22°12 | 18°41 | 24° 0 | 6° 3 | 12°16 | 24°31 | 12°47 | 14°28 | 15°25 | 19°44 | 15°35 | W22 |
| T 23 | 14 5 17 | 3°11'02 | 24°20 | 22° 7 | 23°26 | 19°21 | 24°11 | 6° 2 | 12°19 | 24°30 | 12°47 | 14°17 | 15°22 | 19°51 | 15°38 | T 23 |
| F 24 | 14 9 14 | 4°10'01 | 9♏36 | 23°19 | 24°40 | 20° 1 | 24°22 | 6° 0 | 12°21 | 24°28 | 12°46 | 14° 7 | 15°19 | 19°57 | 15°41 | F 24 |
| S 25 | 14 13 10 | 5° 8'59 | 24°51 | 24°25 | 25°54 | 20°41 | 24°34 | 5°59 | 12°24 | 24°27 | 12°45 | 13°59 | 15°16 | 20° 4 | 15°44 | S 25 |
| S 26 | 14 17 7 | 6° 7'54 | 9♐57 | 25°26 | 27° 7 | 21°21 | 24°45 | 5°57 | 12°27 | 24°25 | 12°44 | 13°52 | 15°13 | 20°11 | 15°47 | S 26 |
| M27 | 14 21 3 | 7° 6'48 | 24°43 | 26°20 | 28°21 | 22° 1 | 24°56 | 5°56 | 12°30 | 24°23 | 12°43 | 13°49 | 15°10 | 20°18 | 15°50 | M27 |
| T 28 | 14 25 0 | 8° 5'41 | 9♑ 5 | 27° 8 | 29°35 | 22°41 | 25° 8 | 5°55 | 12°33 | 24°22 | 12°43 | 13°D47 | 15° 6 | 20°24 | 15°53 | T 28 |
| W29 | 14 28 56 | 9° 4'31 | 23° 1 | 27°50 | 0♊48 | 23°20 | 25°19 | 5°54 | 12°36 | 24°20 | 12°42 | 13°48 | 15° 3 | 20°31 | 15°56 | W29 |
| T 30 | 14 32 53 | 10♉ 3'20 | 6♒31 | 28♉26 | 2♊ 2 | 24♊ 0 | 25♊31 | 5♍53 | 12♊39 | 24♏19 | 12♍41 | 13°R48 | 15♋ 0 | 20♉38 | 15♓58 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4n29 | 22s21 | 0n19 | 3n29 | 1s20 | 9n12 | 0s56 | 21n52 | 0n56 | 22n35 | 0s23 | 10n28 | 1n41 | 21n58 | 0s 4 | 17s14 | 1n43 | 17n19 | 11n39 | 22n16 | 22n18 | 12n41 | 1s24 | 5n 7 |
| T 2 | 4 53 | 21 34 | 0s52 | 4 22 | 1 13 | 9 41 | 0 54 | 22 0 | 0 56 | 22 36 | 0 23 | 10 29 | 1 41 | 21 58 | 0 4 | 17 14 | 1 43 | 17 20 | 11 39 | 22 16 | 22 18 | 12 44 | 1 23 | 5 7 |
| F 3 | 5 16 | 19 37 | 1 59 | 5 15 | 1 5 | 10 9 | 0 52 | 22 7 | 0 57 | 22 37 | 0 23 | 10 30 | 1 41 | 21 58 | 0 4 | 17 14 | 1 43 | 17 20 | 11 39 | 22 17 | 22 19 | 12 46 | 1 21 | 5 7 |
| S 4 | 5 39 | 16 41 | 2 57 | 6 9 | 0 56 | 10 37 | 0 50 | 22 15 | 0 57 | 22 38 | 0 23 | 10 32 | 1 41 | 21 59 | 0 4 | 17 13 | 1 43 | 17 20 | 11 39 | 22 17 | 22 19 | 12 48 | 1 20 | 5 7 |
| S 5 | 6 2 | 13 1 | 3 46 | 7 2 | 0 47 | 11 5 | 0 48 | 22 22 | 0 58 | 22 39 | 0 23 | 10 33 | 1 41 | 21 59 | 0 4 | 17 13 | 1 43 | 17 21 | 11 39 | 22 18 | 22 19 | 12 50 | 1 18 | 5 7 |
| M 6 | 6 24 | 8 50 | 4 24 | 7 56 | 0 37 | 11 32 | 0 46 | 22 29 | 0 58 | 22 39 | 0 23 | 10 34 | 1 40 | 21 59 | 0 4 | 17 13 | 1 44 | 17 21 | 11 39 | 22 19 | 22 20 | 12 53 | 1 17 | 5 7 |
| T 7 | 6 47 | 4 20 | 4 48 | 8 50 | 0 27 | 12 0 | 0 44 | 22 36 | 0 58 | 22 40 | 0 22 | 10 35 | 1 40 | 22 0 | 0 4 | 17 12 | 1 44 | 17 22 | 11 39 | 22 20 | 22 20 | 12 55 | 1 15 | 5 7 |
| W 8 | 7 10 | 0n16 | 4 59 | 9 44 | 0 17 | 12 26 | 0 42 | 22 42 | 0 59 | 22 41 | 0 22 | 10 36 | 1 40 | 22 0 | 0 4 | 17 12 | 1 44 | 17 22 | 11 39 | 22 22 | 22 21 | 12 57 | 1 14 | 5 7 |
| T 9 | 7 32 | 4 50 | 4 56 | 10 37 | 0 6 | 12 53 | 0 39 | 22 49 | 0 59 | 22 42 | 0 22 | 10 37 | 1 40 | 22 0 | 0 4 | 17 12 | 1 44 | 17 22 | 11 38 | 22 24 | 22 21 | 12 59 | 1 12 | 5 7 |
| F 10 | 7 55 | 9 11 | 4 40 | 11 30 | 0n 5 | 13 19 | 0 37 | 22 55 | 0 59 | 22 42 | 0 22 | 10 38 | 1 40 | 22 1 | 0 4 | 17 11 | 1 44 | 17 23 | 11 38 | 22 25 | 22 21 | 13 2 | 1 11 | 5 8 |
| S 11 | 8 17 | 13 9 | 4 12 | 12 21 | 0 16 | 13 45 | 0 35 | 23 1 | 1 0 | 22 43 | 0 22 | 10 39 | 1 40 | 22 1 | 0 4 | 17 11 | 1 44 | 17 23 | 11 38 | 22 27 | 22 22 | 13 4 | 1 9 | 5 8 |
| S 12 | 8 39 | 16 36 | 3 33 | 13 12 | 0 28 | 14 11 | 0 33 | 23 6 | 1 0 | 22 44 | 0 22 | 10 40 | 1 40 | 22 1 | 0 4 | 17 11 | 1 44 | 17 23 | 11 38 | 22 28 | 22 22 | 13 6 | 1 8 | 5 8 |
| M13 | 9 1 | 19 23 | 2 45 | 14 2 | 0 39 | 14 36 | 0 30 | 23 12 | 1 1 | 22 45 | 0 21 | 10 41 | 1 40 | 22 2 | 0 4 | 17 10 | 1 44 | 17 23 | 11 38 | 22 29 | 22 22 | 13 8 | 1 6 | 5 8 |
| T 14 | 9 23 | 21 21 | 1 49 | 14 50 | 0 51 | 15 1 | 0 28 | 23 17 | 1 1 | 22 45 | 0 21 | 10 42 | 1 40 | 22 2 | 0 4 | 17 10 | 1 44 | 17 24 | 11 38 | 22 29 | 22 23 | 13 11 | 1 5 | 5 8 |
| W15 | 9 44 | 22 23 | 0 48 | 15 36 | 1 3 | 15 26 | 0 25 | 23 23 | 1 1 | 22 46 | 0 21 | 10 43 | 1 40 | 22 2 | 0 4 | 17 10 | 1 44 | 17 24 | 11 38 | 22 29 | 22 23 | 13 13 | 1 4 | 5 8 |
| T 16 | 10 6 | 22 23 | 0n16 | 16 21 | 1 14 | 15 50 | 0 23 | 23 28 | 1 2 | 22 47 | 0 21 | 10 43 | 1 40 | 22 3 | 0 4 | 17 9 | 1 44 | 17 24 | 11 37 | 22 29 | 22 24 | 13 15 | 1 2 | 5 8 |
| F 17 | 10 27 | 21 17 | 1 21 | 17 4 | 1 25 | 16 14 | 0 20 | 23 32 | 1 2 | 22 47 | 0 21 | 10 44 | 1 40 | 22 3 | 0 4 | 17 9 | 1 44 | 17 24 | 11 37 | 22 29 | 22 24 | 13 17 | 1 1 | 5 8 |
| S 18 | 10 48 | 19 4 | 2 24 | 17 45 | 1 36 | 16 37 | 0 18 | 23 37 | 1 2 | 22 48 | 0 21 | 10 45 | 1 40 | 22 3 | 0 4 | 17 9 | 1 44 | 17 25 | 11 37 | 22 29 | 22 24 | 13 20 | 0 59 | 5 9 |
| S 19 | 11 9 | 15 47 | 3 22 | 18 23 | 1 47 | 17 0 | 0 15 | 23 41 | 1 3 | 22 49 | 0 21 | 10 45 | 1 40 | 22 4 | 0 4 | 17 8 | 1 44 | 17 25 | 11 37 | 22 30 | 22 25 | 13 22 | 0 58 | 5 9 |
| M20 | 11 30 | 11 32 | 4 9 | 18 59 | 1 57 | 17 22 | 0 13 | 23 46 | 1 3 | 22 49 | 0 20 | 10 46 | 1 40 | 22 4 | 0 4 | 17 8 | 1 44 | 17 25 | 11 37 | 22 30 | 22 25 | 13 24 | 0 57 | 5 9 |
| T 21 | 11 50 | 6 30 | 4 44 | 19 32 | 2 7 | 17 45 | 0 10 | 23 50 | 1 3 | 22 50 | 0 20 | 10 47 | 1 40 | 22 5 | 0 4 | 17 8 | 1 44 | 17 25 | 11 36 | 22 31 | 22 25 | 13 26 | 0 55 | 5 9 |
| W22 | 12 11 | 0 58 | 5 1 | 20 3 | 2 16 | 18 6 | 0 8 | 23 53 | 1 3 | 22 51 | 0 20 | 10 47 | 1 39 | 22 5 | 0 4 | 17 7 | 1 44 | 17 25 | 11 36 | 22 32 | 22 26 | 13 29 | 0 54 | 5 9 |
| T 23 | 12 31 | 4s46 | 4 57 | 20 31 | 2 24 | 18 27 | 0 5 | 23 57 | 1 4 | 22 51 | 0 20 | 10 48 | 1 39 | 22 5 | 0 4 | 17 7 | 1 44 | 17 26 | 11 36 | 22 33 | 22 26 | 13 31 | 0 53 | 5 9 |
| F 24 | 12 51 | 10 17 | 4 33 | 20 57 | 2 31 | 18 48 | 0 2 | 24 0 | 1 4 | 22 52 | 0 20 | 10 48 | 1 39 | 22 6 | 0 4 | 17 6 | 1 44 | 17 26 | 11 36 | 22 34 | 22 26 | 13 33 | 0 51 | 5 10 |
| S 25 | 13 10 | 15 11 | 3 49 | 21 20 | 2 38 | 19 8 | 0n 0 | 24 4 | 1 4 | 22 53 | 0 20 | 10 49 | 1 39 | 22 6 | 0 4 | 17 6 | 1 44 | 17 26 | 11 36 | 22 35 | 22 27 | 13 35 | 0 50 | 5 10 |
| S 26 | 13 30 | 19 2 | 2 50 | 21 40 | 2 43 | 19 28 | 0 3 | 24 6 | 1 5 | 22 53 | 0 20 | 10 49 | 1 39 | 22 6 | 0 4 | 17 6 | 1 44 | 17 26 | 11 35 | 22 36 | 22 27 | 13 38 | 0 49 | 5 10 |
| M27 | 13 49 | 21 33 | 1 40 | 21 57 | 2 48 | 19 47 | 0 5 | 24 9 | 1 5 | 22 54 | 0 19 | 10 49 | 1 39 | 22 7 | 0 4 | 17 5 | 1 44 | 17 26 | 11 35 | 22 36 | 22 28 | 13 40 | 0 47 | 5 10 |
| T 28 | 14 8 | 22 35 | 0 25 | 22 12 | 2 51 | 20 5 | 0 8 | 24 12 | 1 5 | 22 54 | 0 19 | 10 50 | 1 39 | 22 7 | 0 4 | 17 5 | 1 44 | 17 26 | 11 35 | 22 36 | 22 28 | 13 42 | 0 46 | 5 10 |
| W29 | 14 27 | 22 10 | 0s49 | 22 24 | 2 53 | 20 23 | 0 11 | 24 14 | 1 5 | 22 55 | 0 19 | 10 50 | 1 39 | 22 8 | 0 4 | 17 4 | 1 44 | 17 26 | 11 35 | 22 36 | 22 28 | 13 44 | 0 45 | 5 10 |
| T 30 | 14n45 | 20s27 | 1s58 | 22n33 | 2n55 | 20n41 | 0n14 | 24n16 | 1n 6 | 22n55 | 0s19 | 10n50 | 1n39 | 22n 8 | 0s 4 | 17s 4 | 1n44 | 17n26 | 11n35 | 22n36 | 22n29 | 13n46 | 0s44 | 5n11 |

Julian Day Number = 2798615.5, Delta T = 49m37s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°02'29, Lahiri = 37°09'29


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# ASTRODIENST EPHEMERIS for the year 2950
# geocentric

## MAY 2950 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 36 50 | 11♉ 2'08 | 19♒38 | 28♉56 | 3♊15 | 24♊40 | 25♊43 | 5°R53 | 12♊42 | 24°R17 | 12°R41 | 13°R48 | 14♋57 | 20♉44 | 16♓ 1 | F 1 |
| S 2 | 14 40 46 | 12° 0'53 | 2♓26 | 29°19 | 4°29 | 25°20 | 25°55 | 5♍52 | 12°46 | 24♏16 | 12♍40 | 13♋46 | 14°54 | 20°51 | 16° 4 | S 2 |
| S 3 | 14 44 43 | 12°59'37 | 14°57 | 29°36 | 5°42 | 25°59 | 26° 7 | 5°52 | 12°49 | 24°14 | 12°39 | 13°41 | 14°51 | 20°58 | 16° 7 | S 3 |
| M 4 | 14 48 39 | 13°58'19 | 27°16 | 29°47 | 6°56 | 26°39 | 26°19 | 5°51 | 12°52 | 24°12 | 12°39 | 13°34 | 14°47 | 21° 4 | 16° 9 | M 4 |
| T 5 | 14 52 36 | 14°57'00 | 9♈25 | 29°R52 | 8° 9 | 27°19 | 26°31 | 5°51 | 12°55 | 24°11 | 12°38 | 13°25 | 14°44 | 21°11 | 16°12 | T 5 |
| W 6 | 14 56 32 | 15°55'39 | 21°27 | 29°51 | 9°22 | 27°58 | 26°43 | 5°51 | 12°58 | 24° 9 | 12°38 | 13°15 | 14°41 | 21°18 | 16°14 | W 6 |
| T 7 | 15 0 29 | 16°54'16 | 3♉23 | 29°44 | 10°36 | 28°38 | 26°55 | 5°D51 | 13° 1 | 24° 8 | 12°37 | 13° 4 | 14°38 | 21°24 | 16°17 | T 7 |
| F 8 | 15 4 25 | 17°52'51 | 15°15 | 29°31 | 11°49 | 29°17 | 27° 7 | 5°51 | 13° 5 | 24° 6 | 12°37 | 12°53 | 14°35 | 21°31 | 16°19 | F 8 |
| S 9 | 15 8 22 | 18°51'24 | 27° 5 | 29°14 | 13° 2 | 29°57 | 27°19 | 5°51 | 13° 8 | 24° 4 | 12°36 | 12°44 | 14°31 | 21°38 | 16°22 | S 9 |
| S 10 | 15 12 19 | 19°49'56 | 8♊55 | 28°52 | 14°16 | 0♋37 | 27°32 | 5°51 | 13°11 | 24° 3 | 12°36 | 12°37 | 14°28 | 21°45 | 16°24 | S 10 |
| M11 | 15 16 15 | 20°48'26 | 20°46 | 28°26 | 15°29 | 1°16 | 27°44 | 5°51 | 13°14 | 24° 1 | 12°35 | 12°32 | 14°25 | 21°51 | 16°26 | M11 |
| T 12 | 15 20 12 | 21°46'53 | 2♋41 | 27°56 | 16°42 | 1°55 | 27°57 | 5°52 | 13°18 | 23°59 | 12°35 | 12°29 | 14°22 | 21°58 | 16°29 | T 12 |
| W13 | 15 24 8 | 22°45'19 | 14°43 | 27°23 | 17°55 | 2°35 | 28° 9 | 5°52 | 13°21 | 23°58 | 12°35 | 12°D29 | 14°19 | 22° 5 | 16°31 | W13 |
| T 14 | 15 28 5 | 23°43'43 | 26°57 | 26°47 | 19° 8 | 3°14 | 28°22 | 5°53 | 13°24 | 23°56 | 12°34 | 12°29 | 14°16 | 22°11 | 16°33 | T 14 |
| F 15 | 15 32 1 | 24°42'05 | 9♌25 | 26°10 | 20°21 | 3°54 | 28°35 | 5°54 | 13°28 | 23°55 | 12°34 | 12°31 | 14°12 | 22°18 | 16°35 | F 15 |
| S 16 | 15 35 58 | 25°40'25 | 22°12 | 25°31 | 21°34 | 4°33 | 28°47 | 5°55 | 13°31 | 23°53 | 12°34 | 12°R32 | 14° 9 | 22°25 | 16°37 | S 16 |
| S 17 | 15 39 54 | 26°38'42 | 5♍24 | 24°53 | 22°47 | 5°13 | 29° 0 | 5°56 | 13°34 | 23°51 | 12°34 | 12°31 | 14° 6 | 22°31 | 16°39 | S 17 |
| M18 | 15 43 51 | 27°36'58 | 19° 2 | 24°14 | 24° 0 | 5°52 | 29°13 | 5°57 | 13°38 | 23°50 | 12°33 | 12°29 | 14° 3 | 22°38 | 16°41 | M18 |
| T 19 | 15 47 48 | 28°35'11 | 3♎ 9 | 23°37 | 25°12 | 6°31 | 29°26 | 5°58 | 13°41 | 23°48 | 12°33 | 12°25 | 14° 0 | 22°45 | 16°43 | T 19 |
| W20 | 15 51 44 | 29°33'23 | 17°42 | 23° 1 | 26°25 | 7°10 | 29°39 | 5°59 | 13°45 | 23°46 | 12°33 | 12°20 | 13°56 | 22°51 | 16°45 | W20 |
| T 21 | 15 55 41 | 0♊31'33 | 2♏39 | 22°27 | 27°38 | 7°50 | 29°52 | 6° 1 | 13°48 | 23°45 | 12°33 | 12°14 | 13°53 | 22°58 | 16°47 | T 21 |
| F 22 | 15 59 37 | 1°29'41 | 17°50 | 21°56 | 28°51 | 8°29 | 0♋ 5 | 6° 2 | 13°51 | 23°43 | 12°33 | 12° 8 | 13°50 | 23° 5 | 16°48 | F 22 |
| S 23 | 16 3 34 | 2°27'47 | 3♐ 6 | 21°28 | 0♋ 3 | 9° 8 | 0°18 | 6° 4 | 13°55 | 23°42 | 12°33 | 12° 3 | 13°47 | 23°12 | 16°50 | S 23 |
| S 24 | 16 7 30 | 3°25'52 | 18°18 | 21° 4 | 1°16 | 9°47 | 0°31 | 6° 6 | 13°58 | 23°40 | 12°D33 | 11°59 | 13°44 | 23°18 | 16°52 | S 24 |
| M25 | 16 11 27 | 4°23'55 | 3♑13 | 20°44 | 2°28 | 10°26 | 0°44 | 6° 8 | 14° 2 | 23°38 | 12°33 | 11°58 | 13°41 | 23°25 | 16°53 | M25 |
| T 26 | 16 15 23 | 5°21'57 | 17°47 | 20°28 | 3°41 | 11° 6 | 0°57 | 6°10 | 14° 5 | 23°37 | 12°33 | 11°D57 | 13°37 | 23°32 | 16°55 | T 26 |
| W27 | 16 19 20 | 6°19'58 | 1♒54 | 20°16 | 4°53 | 11°45 | 1°10 | 6°12 | 14° 9 | 23°35 | 12°33 | 11°58 | 13°34 | 23°38 | 16°56 | W27 |
| T 28 | 16 23 17 | 7°17'57 | 15°34 | 20° 9 | 6° 6 | 12°24 | 1°24 | 6°14 | 14°12 | 23°34 | 12°33 | 12° 0 | 13°31 | 23°45 | 16°58 | T 28 |
| F 29 | 16 27 13 | 8°15'55 | 28°48 | 20°D 6 | 7°18 | 13° 3 | 1°37 | 6°16 | 14°16 | 23°32 | 12°33 | 12° 1 | 13°28 | 23°52 | 16°59 | F 29 |
| S 30 | 16 31 10 | 9°13'52 | 11♓39 | 20° 8 | 8°30 | 13°42 | 1°50 | 6°18 | 14°19 | 23°30 | 12°33 | 12°R 1 | 13°25 | 23°58 | 17° 0 | S 30 |
| S 31 | 16 35 6 | 10♊11'47 | 24♓10 | 20♉15 | 9♋43 | 14♋21 | 2♋ 4 | 6♍21 | 14♊23 | 23♏29 | 12♍34 | 12♋ 1 | 13♋22 | 24♉ 5 | 17♓ 1 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 15n 4 | 17s41 | 2s59 | 22n39 | 2n54 | 20n58 | 0n16 | 24n18 | 1n 6 | 22n56 | 0s19 | 10n50 | 1n39 | 22n 8 | 0s 4 | 17s 4 | 1n44 | 17n26 | 11n34 | 22n36 | 22n29 | 13n49 | 0s42 | 5n11 | F 1 |
| S 2 | 15 22 | 14 7 | 3 49 | 22 43 | 2 53 | 21 14 | 0 19 | 24 20 | 1 6 | 22 56 | 0 19 | 10 50 | 1 39 | 22 9 | 0 4 | 17 3 | 1 44 | 17 26 | 11 34 | 22 37 | 22 29 | 13 51 | 0 41 | 5 11 | S 2 |
| S 3 | 15 39 | 10 0 | 4 27 | 22 44 | 2 50 | 21 30 | 0 22 | 24 21 | 1 6 | 22 57 | 0 19 | 10 51 | 1 38 | 22 9 | 0 4 | 17 3 | 1 44 | 17 26 | 11 34 | 22 37 | 22 30 | 13 53 | 0 40 | 5 11 | S 3 |
| M 4 | 15 57 | 5 33 | 4 52 | 22 42 | 2 46 | 21 45 | 0 24 | 24 23 | 1 6 | 22 57 | 0 18 | 10 51 | 1 38 | 22 10 | 0 4 | 17 2 | 1 44 | 17 26 | 11 34 | 22 38 | 22 30 | 13 55 | 0 39 | 5 11 | M 4 |
| T 5 | 16 14 | 0 56 | 5 3 | 22 38 | 2 41 | 22 0 | 0 27 | 24 24 | 1 7 | 22 58 | 0 18 | 10 51 | 1 38 | 22 10 | 0 4 | 17 2 | 1 44 | 17 26 | 11 33 | 22 39 | 22 30 | 13 58 | 0 38 | 5 12 | T 5 |
| W 6 | 16 31 | 3n40 | 5 1 | 22 31 | 2 34 | 22 14 | 0 30 | 24 25 | 1 7 | 22 58 | 0 18 | 10 51 | 1 38 | 22 10 | 0 4 | 17 2 | 1 44 | 17 26 | 11 33 | 22 40 | 22 31 | 14 0 | 0 36 | 5 12 | W 6 |
| T 7 | 16 48 | 8 6 | 4 46 | 22 22 | 2 26 | 22 27 | 0 32 | 24 26 | 1 7 | 22 59 | 0 18 | 10 51 | 1 38 | 22 11 | 0 4 | 17 1 | 1 44 | 17 26 | 11 33 | 22 41 | 22 31 | 14 2 | 0 35 | 5 12 | T 7 |
| F 8 | 17 4 | 12 13 | 4 18 | 22 10 | 2 17 | 22 40 | 0 35 | 24 26 | 1 7 | 22 59 | 0 18 | 10 50 | 1 38 | 22 11 | 0 4 | 17 1 | 1 44 | 17 26 | 11 33 | 22 42 | 22 31 | 14 4 | 0 34 | 5 12 | F 8 |
| S 9 | 17 20 | 15 51 | 3 39 | 21 56 | 2 6 | 22 52 | 0 38 | 24 26 | 1 7 | 22 59 | 0 18 | 10 50 | 1 38 | 22 12 | 0 4 | 17 0 | 1 44 | 17 26 | 11 33 | 22 43 | 22 32 | 14 6 | 0 33 | 5 12 | S 9 |
| S 10 | 17 36 | 18 52 | 2 50 | 21 39 | 1 54 | 23 4 | 0 40 | 24 27 | 1 8 | 23 0 | 0 18 | 10 50 | 1 38 | 22 12 | 0 4 | 17 0 | 1 44 | 17 26 | 11 32 | 22 43 | 22 32 | 14 9 | 0 32 | 5 13 | S 10 |
| M11 | 17 52 | 21 6 | 1 54 | 21 21 | 1 41 | 23 14 | 0 43 | 24 26 | 1 8 | 23 0 | 0 18 | 10 50 | 1 38 | 22 13 | 0 4 | 17 0 | 1 44 | 17 26 | 11 32 | 22 44 | 22 32 | 14 11 | 0 31 | 5 13 | M11 |
| T 12 | 18 7 | 22 25 | 0 53 | 21 0 | 1 27 | 23 25 | 0 46 | 24 26 | 1 8 | 23 1 | 0 17 | 10 50 | 1 38 | 22 13 | 0 4 | 16 59 | 1 44 | 17 26 | 11 32 | 22 44 | 22 33 | 14 13 | 0 30 | 5 13 | T 12 |
| W13 | 18 22 | 22 42 | 0n12 | 20 38 | 1 11 | 23 34 | 0 48 | 24 26 | 1 8 | 23 1 | 0 17 | 10 49 | 1 37 | 22 13 | 0 4 | 16 59 | 1 44 | 17 26 | 11 32 | 22 44 | 22 33 | 14 15 | 0 29 | 5 13 | W13 |
| T 14 | 18 37 | 21 56 | 1 17 | 20 14 | 0 56 | 23 43 | 0 51 | 24 25 | 1 8 | 23 1 | 0 17 | 10 49 | 1 37 | 22 14 | 0 4 | 16 58 | 1 44 | 17 26 | 11 31 | 22 44 | 22 33 | 14 17 | 0 28 | 5 14 | T 14 |
| F 15 | 18 51 | 20 4 | 2 20 | 19 49 | 0 39 | 23 51 | 0 53 | 24 24 | 1 9 | 23 1 | 0 17 | 10 49 | 1 37 | 22 14 | 0 4 | 16 58 | 1 44 | 17 26 | 11 31 | 22 44 | 22 34 | 14 20 | 0 27 | 5 14 | F 15 |
| S 16 | 19 5 | 17 9 | 3 18 | 19 24 | 0 22 | 23 59 | 0 56 | 24 23 | 1 9 | 23 2 | 0 17 | 10 48 | 1 37 | 22 15 | 0 4 | 16 58 | 1 44 | 17 26 | 11 31 | 22 44 | 22 34 | 14 22 | 0 26 | 5 14 | S 16 |
| S 17 | 19 18 | 13 19 | 4 7 | 18 58 | 0 4 | 24 5 | 0 58 | 24 22 | 1 9 | 23 2 | 0 17 | 10 48 | 1 37 | 22 15 | 0 4 | 16 57 | 1 44 | 17 25 | 11 31 | 22 44 | 22 34 | 14 24 | 0 25 | 5 14 | S 17 |
| M18 | 19 32 | 8 40 | 4 44 | 18 31 | 0s13 | 24 11 | 1 1 | 24 20 | 1 9 | 23 2 | 0 17 | 10 47 | 1 37 | 22 15 | 0 4 | 16 57 | 1 44 | 17 25 | 11 30 | 22 44 | 22 35 | 14 26 | 0 24 | 5 14 | M18 |
| T 19 | 19 45 | 3 26 | 5 5 | 18 5 | 0 31 | 24 17 | 1 3 | 24 18 | 1 9 | 23 2 | 0 17 | 10 47 | 1 37 | 22 16 | 0 4 | 16 56 | 1 44 | 17 25 | 11 30 | 22 44 | 22 35 | 14 28 | 0 23 | 5 15 | T 19 |
| W20 | 19 57 | 2s10 | 5 8 | 17 39 | 0 48 | 24 22 | 1 6 | 24 17 | 1 9 | 23 2 | 0 17 | 10 46 | 1 37 | 22 16 | 0 4 | 16 56 | 1 44 | 17 25 | 11 30 | 22 45 | 22 35 | 14 31 | 0 22 | 5 15 | W20 |
| T 21 | 20 9 | 7 47 | 4 50 | 17 15 | 1 5 | 24 26 | 1 8 | 24 14 | 1 9 | 23 3 | 0 16 | 10 45 | 1 37 | 22 17 | 0 4 | 16 56 | 1 44 | 17 25 | 11 29 | 22 45 | 22 36 | 14 33 | 0 21 | 5 15 | T 21 |
| F 22 | 20 21 | 13 2 | 4 12 | 16 51 | 1 21 | 24 29 | 1 10 | 24 12 | 1 10 | 23 3 | 0 16 | 10 45 | 1 37 | 22 17 | 0 4 | 16 55 | 1 44 | 17 25 | 11 29 | 22 46 | 22 36 | 14 35 | 0 20 | 5 15 | F 22 |
| S 23 | 20 33 | 17 29 | 3 15 | 16 28 | 1 37 | 24 32 | 1 13 | 24 10 | 1 10 | 23 3 | 0 16 | 10 44 | 1 36 | 22 18 | 0 4 | 16 55 | 1 44 | 17 24 | 11 29 | 22 46 | 22 36 | 14 37 | 0 19 | 5 16 | S 23 |
| S 24 | 20 44 | 20 43 | 2 5 | 16 8 | 1 52 | 24 33 | 1 15 | 24 7 | 1 10 | 23 3 | 0 16 | 10 43 | 1 36 | 22 18 | 0 4 | 16 55 | 1 44 | 17 24 | 11 29 | 22 47 | 22 37 | 14 39 | 0 18 | 5 16 | S 24 |
| M25 | 20 55 | 22 29 | 0 47 | 15 48 | 2 7 | 24 35 | 1 17 | 24 4 | 1 10 | 23 3 | 0 16 | 10 43 | 1 36 | 22 18 | 0 4 | 16 54 | 1 44 | 17 24 | 11 28 | 22 47 | 22 37 | 14 42 | 0 17 | 5 16 | M25 |
| T 26 | 21 5 | 22 40 | 0s32 | 15 31 | 2 20 | 24 35 | 1 19 | 24 1 | 1 10 | 23 3 | 0 16 | 10 42 | 1 36 | 22 19 | 0 4 | 16 54 | 1 44 | 17 24 | 11 28 | 22 47 | 22 37 | 14 44 | 0 17 | 5 16 | T 26 |
| W27 | 21 15 | 21 22 | 1 47 | 15 16 | 2 32 | 24 35 | 1 21 | 23 58 | 1 10 | 23 3 | 0 16 | 10 41 | 1 36 | 22 19 | 0 4 | 16 53 | 1 44 | 17 23 | 11 28 | 22 47 | 22 38 | 14 46 | 0 16 | 5 17 | W27 |
| T 28 | 21 25 | 18 50 | 2 53 | 15 3 | 2 44 | 24 34 | 1 23 | 23 54 | 1 10 | 23 3 | 0 16 | 10 40 | 1 36 | 22 20 | 0 4 | 16 53 | 1 44 | 17 23 | 11 28 | 22 47 | 22 38 | 14 48 | 0 15 | 5 17 | T 28 |
| F 29 | 21 34 | 15 24 | 3 48 | 14 53 | 2 54 | 24 32 | 1 26 | 23 51 | 1 10 | 23 3 | 0 15 | 10 39 | 1 36 | 22 20 | 0 4 | 16 53 | 1 44 | 17 23 | 11 27 | 22 47 | 22 38 | 14 50 | 0 14 | 5 17 | F 29 |
| S 30 | 21 43 | 11 19 | 4 30 | 14 44 | 3 4 | 24 30 | 1 28 | 23 47 | 1 10 | 23 3 | 0 15 | 10 38 | 1 36 | 22 20 | 0 4 | 16 52 | 1 44 | 17 22 | 11 27 | 22 46 | 22 39 | 14 52 | 0 14 | 5 17 | S 30 |
| S 31 | 21n52 | 6s52 | 4s58 | 14n38 | 3s12 | 24n27 | 1n29 | 23n43 | 1n11 | 23n 3 | 0s15 | 10n37 | 1n36 | 22n21 | 0s 4 | 16s52 | 1n44 | 17n22 | 11n27 | 22n47 | 22n39 | 14n55 | 0s13 | 5n18 | S 31 |

Julian Day Number = 2798645.5, Delta T = 49m37s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°02'33, Lahiri = 37°09'33


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# ASTRODIENST EPHEMERIS for the year 2950
# geocentric

## JUNE 2950 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 39 3 | 11♊ 9'41 | 6♈25 | 20♉26 | 10♋55 | 15♋ 0 | 2♋17 | 6♍23 | 14♊26 | 23°R27 | 12♍34 | 11°R58 | 13♋18 | 24♉12 | 17♓ 3 | M 1 |
| T 2 | 16 42 59 | 12° 7'34 | 18°29 | 20°42 | 12° 7 | 15°39 | 2°31 | 6°26 | 14°30 | 23♏26 | 12°34 | 11♋55 | 13°15 | 24°18 | 17° 4 | T 2 |
| W 3 | 16 46 56 | 13° 5'26 | 0♉26 | 21° 2 | 13°19 | 16°18 | 2°44 | 6°29 | 14°33 | 23°24 | 12°34 | 11°50 | 13°12 | 24°25 | 17° 5 | W 3 |
| T 4 | 16 50 52 | 14° 3'17 | 12°17 | 21°26 | 14°31 | 16°57 | 2°58 | 6°31 | 14°37 | 23°23 | 12°35 | 11°45 | 13° 9 | 24°32 | 17° 6 | T 4 |
| F 5 | 16 54 49 | 15° 1'06 | 24° 7 | 21°55 | 15°43 | 17°36 | 3°11 | 6°34 | 14°40 | 23°21 | 12°35 | 11°40 | 13° 6 | 24°39 | 17° 7 | F 5 |
| S 6 | 16 58 46 | 15°58'55 | 5♊57 | 22°28 | 16°55 | 18°15 | 3°25 | 6°37 | 14°44 | 23°20 | 12°35 | 11°36 | 13° 2 | 24°45 | 17° 8 | S 6 |
| S 7 | 17 2 42 | 16°56'42 | 17°49 | 23° 5 | 18° 7 | 18°54 | 3°38 | 6°40 | 14°47 | 23°18 | 12°36 | 11°33 | 12°59 | 24°52 | 17° 8 | S 7 |
| M 8 | 17 6 39 | 17°54'27 | 29°47 | 23°45 | 19°19 | 19°32 | 3°52 | 6°44 | 14°51 | 23°17 | 12°36 | 11°32 | 12°56 | 24°59 | 17° 9 | M 8 |
| T 9 | 17 10 35 | 18°52'12 | 11♋50 | 24°30 | 20°31 | 20°11 | 4° 5 | 6°47 | 14°54 | 23°15 | 12°37 | 11°D31 | 12°53 | 25° 5 | 17°10 | T 9 |
| W10 | 17 14 32 | 19°49'55 | 24° 2 | 25°18 | 21°42 | 20°50 | 4°19 | 6°50 | 14°58 | 23°14 | 12°37 | 11°32 | 12°50 | 25°12 | 17°11 | W10 |
| T 11 | 17 18 28 | 20°47'37 | 6♌26 | 26°10 | 22°54 | 21°29 | 4°33 | 6°54 | 15° 1 | 23°13 | 12°38 | 11°33 | 12°47 | 25°19 | 17°11 | T 11 |
| F 12 | 17 22 25 | 21°45'17 | 19° 2 | 27° 5 | 24° 6 | 22° 8 | 4°46 | 6°57 | 15° 5 | 23°11 | 12°38 | 11°34 | 12°43 | 25°25 | 17°12 | F 12 |
| S 13 | 17 26 22 | 22°42'56 | 1♍56 | 28° 3 | 25°17 | 22°47 | 5° 0 | 7° 1 | 15° 8 | 23°10 | 12°39 | 11°36 | 12°40 | 25°32 | 17°12 | S 13 |
| S 14 | 17 30 18 | 23°40'33 | 15° 9 | 29° 5 | 26°29 | 23°25 | 5°14 | 7° 5 | 15°11 | 23° 8 | 12°39 | 11°37 | 12°37 | 25°39 | 17°12 | S 14 |
| M15 | 17 34 15 | 24°38'09 | 28°43 | 0♊ 9 | 27°40 | 24° 4 | 5°28 | 7° 9 | 15°15 | 23° 7 | 12°40 | 11°R37 | 12°34 | 25°45 | 17°13 | M15 |
| T 16 | 17 38 11 | 25°35'44 | 12♎40 | 1°17 | 28°52 | 24°43 | 5°41 | 7°13 | 15°18 | 23° 6 | 12°41 | 11°36 | 12°31 | 25°52 | 17°13 | T 16 |
| W17 | 17 42 8 | 26°33'17 | 26°59 | 2°28 | 0♌ 3 | 25°22 | 5°55 | 7°17 | 15°22 | 23° 4 | 12°41 | 11°35 | 12°28 | 25°59 | 17°13 | W17 |
| T 18 | 17 46 4 | 27°30'49 | 11♏38 | 3°42 | 1°14 | 26° 0 | 6° 9 | 7°21 | 15°25 | 23° 3 | 12°42 | 11°33 | 12°24 | 26° 5 | 17°13 | T 18 |
| F 19 | 17 50 1 | 28°28'20 | 26°32 | 4°59 | 2°25 | 26°39 | 6°23 | 7°25 | 15°29 | 23° 2 | 12°43 | 11°32 | 12°21 | 26°12 | 17°14 | F 19 |
| S 20 | 17 53 57 | 29°25'49 | 11♐33 | 6°19 | 3°37 | 27°18 | 6°37 | 7°29 | 15°32 | 23° 1 | 12°44 | 11°30 | 12°18 | 26°19 | 17°R14 | S 20 |
| S 21 | 17 57 54 | 0♋23'18 | 26°33 | 7°41 | 4°48 | 27°56 | 6°50 | 7°33 | 15°36 | 22°59 | 12°44 | 11°29 | 12°15 | 26°26 | 17°14 | S 21 |
| M22 | 18 1 51 | 1°20'46 | 11♑24 | 9° 7 | 5°59 | 28°35 | 7° 4 | 7°38 | 15°39 | 22°58 | 12°45 | 11°D29 | 12°12 | 26°32 | 17°13 | M22 |
| T 23 | 18 5 47 | 2°18'13 | 25°58 | 10°35 | 7°10 | 29°13 | 7°18 | 7°42 | 15°42 | 22°57 | 12°46 | 11°29 | 12° 8 | 26°39 | 17°13 | T 23 |
| W24 | 18 9 44 | 3°15'39 | 10♒ 9 | 12° 6 | 8°20 | 29°52 | 7°32 | 7°47 | 15°46 | 22°56 | 12°47 | 11°30 | 12° 5 | 26°46 | 17°13 | W24 |
| T 25 | 18 13 40 | 4°13'04 | 23°56 | 13°40 | 9°31 | 0♌31 | 7°46 | 7°52 | 15°49 | 22°55 | 12°48 | 11°31 | 12° 2 | 26°52 | 17°13 | T 25 |
| F 26 | 18 17 37 | 5°10'29 | 7♓16 | 15°17 | 10°42 | 1° 9 | 8° 0 | 7°56 | 15°52 | 22°54 | 12°49 | 11°31 | 11°59 | 26°59 | 17°13 | F 26 |
| S 27 | 18 21 33 | 6° 7'53 | 20°12 | 16°56 | 11°52 | 1°48 | 8°13 | 8° 1 | 15°56 | 22°53 | 12°50 | 11°32 | 11°56 | 27° 6 | 17°12 | S 27 |
| S 28 | 18 25 30 | 7° 5'17 | 2♈47 | 18°38 | 13° 3 | 2°26 | 8°27 | 8° 6 | 15°59 | 22°51 | 12°51 | 11°R32 | 11°53 | 27°12 | 17°12 | S 28 |
| M29 | 18 29 26 | 8° 2'40 | 15° 4 | 20°23 | 14°13 | 3° 5 | 8°41 | 8°11 | 16° 2 | 22°50 | 12°52 | 11°32 | 11°49 | 27°19 | 17°11 | M29 |
| T 30 | 18 33 23 | 9♋ 0'03 | 27♈ 8 | 22♊10 | 15♌24 | 3♌43 | 8♋55 | 8♍16 | 16♊ 6 | 22♏49 | 12♍53 | 11♋32 | 11♋46 | 27♉26 | 17♓11 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n 0 | 2s14 | 5s11 | 14n34 | 3s19 | 24n23 | 1n31 | 23n39 | 1n11 | 23n 3 | 0s15 | 10n36 | 1n36 | 22n21 | 0s 4 | 16s52 | 1n44 | 17n22 | 11n27 | 22n47 | 22n39 | 14n57 | 0s12 | 5n18 |
| T 2 | 22 8 | 2n25 | 5 10 | 14 32 | 3 25 | 24 19 | 1 33 | 23 34 | 1 11 | 23 2 | 0 15 | 10 35 | 1 35 | 22 22 | 0 4 | 16 51 | 1 44 | 17 21 | 11 26 | 22 47 | 22 40 | 14 59 | 0 12 | 5 18 |
| W 3 | 22 15 | 6 56 | 4 56 | 14 32 | 3 31 | 24 14 | 1 35 | 23 30 | 1 11 | 23 2 | 0 15 | 10 34 | 1 35 | 22 22 | 0 3 | 16 51 | 1 44 | 17 21 | 11 26 | 22 47 | 22 40 | 15 1 | 0 11 | 5 18 |
| T 4 | 22 22 | 11 10 | 4 30 | 14 34 | 3 35 | 24 8 | 1 37 | 23 25 | 1 11 | 23 2 | 0 15 | 10 33 | 1 35 | 22 23 | 0 3 | 16 50 | 1 44 | 17 21 | 11 26 | 22 48 | 22 40 | 15 3 | 0 10 | 5 19 |
| F 5 | 22 29 | 14 58 | 3 51 | 14 38 | 3 38 | 24 1 | 1 38 | 23 20 | 1 11 | 23 2 | 0 15 | 10 32 | 1 35 | 22 23 | 0 3 | 16 50 | 1 44 | 17 20 | 11 25 | 22 48 | 22 40 | 15 5 | 0 10 | 5 19 |
| S 6 | 22 35 | 18 11 | 3 3 | 14 44 | 3 41 | 23 54 | 1 40 | 23 15 | 1 11 | 23 2 | 0 15 | 10 31 | 1 35 | 22 23 | 0 3 | 16 50 | 1 44 | 17 20 | 11 25 | 22 49 | 22 41 | 15 7 | 0 9 | 5 19 |
| S 7 | 22 41 | 20 40 | 2 7 | 14 52 | 3 42 | 23 46 | 1 41 | 23 10 | 1 11 | 23 1 | 0 15 | 10 29 | 1 35 | 22 24 | 0 3 | 16 49 | 1 44 | 17 20 | 11 25 | 22 49 | 22 41 | 15 10 | 0 9 | 5 19 |
| M 8 | 22 46 | 22 15 | 1 4 | 15 1 | 3 43 | 23 38 | 1 43 | 23 4 | 1 11 | 23 1 | 0 14 | 10 28 | 1 35 | 22 24 | 0 3 | 16 49 | 1 44 | 17 19 | 11 25 | 22 49 | 22 41 | 15 12 | 0 8 | 5 20 |
| T 9 | 22 51 | 22 49 | 0n 2 | 15 12 | 3 42 | 23 29 | 1 44 | 22 59 | 1 11 | 23 1 | 0 14 | 10 27 | 1 35 | 22 25 | 0 3 | 16 49 | 1 44 | 17 19 | 11 24 | 22 49 | 22 42 | 15 14 | 0 8 | 5 20 |
| W10 | 22 56 | 22 19 | 1 9 | 15 24 | 3 41 | 23 19 | 1 46 | 22 53 | 1 11 | 23 1 | 0 14 | 10 25 | 1 35 | 22 25 | 0 3 | 16 48 | 1 44 | 17 18 | 11 24 | 22 49 | 22 42 | 15 16 | 0 7 | 5 20 |
| T 11 | 23 0 | 20 43 | 2 13 | 15 38 | 3 40 | 23 8 | 1 47 | 22 47 | 1 11 | 23 0 | 0 14 | 10 24 | 1 35 | 22 25 | 0 3 | 16 48 | 1 44 | 17 18 | 11 24 | 22 49 | 22 42 | 15 18 | 0 7 | 5 20 |
| F 12 | 23 4 | 18 5 | 3 13 | 15 53 | 3 37 | 22 57 | 1 48 | 22 41 | 1 11 | 23 0 | 0 14 | 10 23 | 1 35 | 22 26 | 0 3 | 16 48 | 1 44 | 17 17 | 11 24 | 22 49 | 22 43 | 15 20 | 0 6 | 5 21 |
| S 13 | 23 7 | 14 31 | 4 4 | 16 9 | 3 34 | 22 46 | 1 49 | 22 35 | 1 11 | 22 59 | 0 14 | 10 21 | 1 34 | 22 26 | 0 3 | 16 47 | 1 44 | 17 17 | 11 23 | 22 49 | 22 43 | 15 22 | 0 6 | 5 21 |
| S 14 | 23 10 | 10 11 | 4 43 | 16 26 | 3 30 | 22 33 | 1 50 | 22 28 | 1 12 | 22 59 | 0 14 | 10 20 | 1 34 | 22 26 | 0 3 | 16 47 | 1 44 | 17 16 | 11 23 | 22 49 | 22 43 | 15 25 | 0 5 | 5 21 |
| M15 | 23 12 | 5 13 | 5 8 | 16 44 | 3 25 | 22 20 | 1 51 | 22 22 | 1 12 | 22 59 | 0 14 | 10 18 | 1 34 | 22 27 | 0 3 | 16 47 | 1 44 | 17 16 | 11 23 | 22 49 | 22 44 | 15 27 | 0 5 | 5 22 |
| T 16 | 23 15 | 0s 7 | 5 16 | 17 3 | 3 20 | 22 7 | 1 52 | 22 15 | 1 12 | 22 58 | 0 14 | 10 17 | 1 34 | 22 27 | 0 3 | 16 47 | 1 44 | 17 15 | 11 23 | 22 49 | 22 44 | 15 29 | 0 5 | 5 22 |
| W17 | 23 16 | 5 36 | 5 5 | 17 22 | 3 14 | 21 53 | 1 53 | 22 8 | 1 12 | 22 58 | 0 14 | 10 15 | 1 34 | 22 28 | 0 3 | 16 46 | 1 44 | 17 15 | 11 22 | 22 49 | 22 44 | 15 31 | 0 4 | 5 22 |
| T 18 | 23 18 | 10 54 | 4 34 | 17 43 | 3 8 | 21 38 | 1 54 | 22 1 | 1 12 | 22 57 | 0 13 | 10 13 | 1 34 | 22 28 | 0 3 | 16 46 | 1 44 | 17 14 | 11 22 | 22 49 | 22 44 | 15 33 | 0 4 | 5 22 |
| F 19 | 23 18 | 15 39 | 3 44 | 18 3 | 3 0 | 21 22 | 1 54 | 21 53 | 1 12 | 22 56 | 0 13 | 10 12 | 1 34 | 22 28 | 0 3 | 16 46 | 1 44 | 17 14 | 11 22 | 22 49 | 22 45 | 15 35 | 0 4 | 5 23 |
| S 20 | 23 19 | 19 26 | 2 38 | 18 25 | 2 53 | 21 7 | 1 55 | 21 46 | 1 12 | 22 56 | 0 13 | 10 10 | 1 34 | 22 29 | 0 3 | 16 45 | 1 44 | 17 13 | 11 22 | 22 49 | 22 45 | 15 37 | 0 3 | 5 23 |
| S 21 | 23 19 | 21 54 | 1 22 | 18 46 | 2 45 | 20 50 | 1 56 | 21 38 | 1 12 | 22 55 | 0 13 | 10 8 | 1 34 | 22 29 | 0 3 | 16 45 | 1 44 | 17 13 | 11 21 | 22 49 | 22 45 | 15 39 | 0 3 | 5 23 |
| M22 | 23 19 | 22 49 | 0 1 | 19 8 | 2 36 | 20 33 | 1 56 | 21 31 | 1 12 | 22 55 | 0 13 | 10 7 | 1 34 | 22 30 | 0 3 | 16 45 | 1 44 | 17 12 | 11 21 | 22 49 | 22 46 | 15 42 | 0 3 | 5 23 |
| T 23 | 23 18 | 22 9 | 1s19 | 19 29 | 2 27 | 20 16 | 1 56 | 21 23 | 1 12 | 22 54 | 0 13 | 10 5 | 1 34 | 22 30 | 0 3 | 16 45 | 1 44 | 17 12 | 11 21 | 22 49 | 22 46 | 15 44 | 0 3 | 5 24 |
| W24 | 23 17 | 20 3 | 2 32 | 19 51 | 2 18 | 19 58 | 1 57 | 21 15 | 1 12 | 22 53 | 0 13 | 10 3 | 1 33 | 22 30 | 0 3 | 16 44 | 1 43 | 17 11 | 11 21 | 22 49 | 22 46 | 15 46 | 0 3 | 5 24 |
| T 25 | 23 15 | 16 51 | 3 34 | 20 12 | 2 8 | 19 39 | 1 57 | 21 6 | 1 12 | 22 53 | 0 13 | 10 1 | 1 33 | 22 31 | 0 3 | 16 44 | 1 43 | 17 11 | 11 20 | 22 49 | 22 46 | 15 48 | 0 3 | 5 24 |
| F 26 | 23 13 | 12 52 | 4 22 | 20 33 | 1 58 | 19 20 | 1 57 | 20 58 | 1 12 | 22 52 | 0 13 | 10 0 | 1 33 | 22 31 | 0 3 | 16 44 | 1 43 | 17 10 | 11 20 | 22 49 | 22 47 | 15 50 | 0 2 | 5 24 |
| S 27 | 23 10 | 8 24 | 4 56 | 20 54 | 1 48 | 19 1 | 1 57 | 20 49 | 1 12 | 22 51 | 0 13 | 9 58 | 1 33 | 22 31 | 0 3 | 16 44 | 1 43 | 17 10 | 11 20 | 22 49 | 22 47 | 15 52 | 0 2 | 5 25 |
| S 28 | 23 8 | 3 42 | 5 14 | 21 14 | 1 37 | 18 41 | 1 57 | 20 41 | 1 12 | 22 50 | 0 12 | 9 56 | 1 33 | 22 32 | 0 3 | 16 43 | 1 43 | 17 9 | 11 20 | 22 49 | 22 47 | 15 54 | 0 2 | 5 25 |
| M29 | 23 4 | 1n 2 | 5 17 | 21 33 | 1 26 | 18 20 | 1 56 | 20 32 | 1 12 | 22 50 | 0 12 | 9 54 | 1 33 | 22 32 | 0 3 | 16 43 | 1 43 | 17 8 | 11 19 | 22 49 | 22 48 | 15 56 | 0 2 | 5 25 |
| T 30 | 23n 1 | 5n38 | 5s 6 | 21n51 | 1s15 | 17n59 | 1n56 | 20n23 | 1n12 | 22n49 | 0s12 | 9n52 | 1n33 | 22n32 | 0s 3 | 16s43 | 1n43 | 17n 8 | 11n19 | 22n49 | 22n48 | 15n58 | 0s 2 | 5n25 |

Julian Day Number = 2798676.5, Delta T = 49m38s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°02'37, Lahiri = 37°09'38


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# ASTRODIENST EPHEMERIS for the year 2950
# geocentric

## JULY 2950 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 37 20 | 9♋57'26 | 9♉ 3 | 24♊ 0 | 16♌34 | 4♌22 | 9♋ 9 | 8♍21 | 16♊ 9 | 22°R48 | 12♍54 | 11°R32 | 11♋43 | 27♉32 | 17°R10 | W 1 |
| T 2 | 18 41 16 | 10°54'48 | 20°53 | 25°53 | 17°44 | 5° 0 | 9°23 | 8°26 | 16°12 | 22♏47 | 12°55 | 11♋31 | 11°40 | 27°39 | 17♓ 9 | T 2 |
| F 3 | 18 45 13 | 11°52'10 | 2♊43 | 27°48 | 18°55 | 5°39 | 9°36 | 8°32 | 16°15 | 22°46 | 12°56 | 11°D31 | 11°37 | 27°46 | 17° 9 | F 3 |
| S 4 | 18 49 9 | 12°49'31 | 14°35 | 29°45 | 20° 5 | 6°17 | 9°50 | 8°37 | 16°19 | 22°46 | 12°57 | 11°32 | 11°34 | 27°52 | 17° 8 | S 4 |
| S 5 | 18 53 6 | 13°46'52 | 26°33 | 1♋45 | 21°15 | 6°55 | 10° 4 | 8°42 | 16°22 | 22°45 | 12°58 | 11°32 | 11°30 | 27°59 | 17° 7 | S 5 |
| M 6 | 18 57 2 | 14°44'13 | 8♋39 | 3°47 | 22°25 | 7°34 | 10°18 | 8°48 | 16°25 | 22°44 | 12°59 | 11°R32 | 11°27 | 28° 6 | 17° 6 | M 6 |
| T 7 | 19 0 59 | 15°41'33 | 20°56 | 5°51 | 23°35 | 8°12 | 10°32 | 8°53 | 16°28 | 22°43 | 13° 0 | 11°32 | 11°24 | 28°12 | 17° 5 | T 7 |
| W 8 | 19 4 55 | 16°38'52 | 3♌23 | 7°57 | 24°44 | 8°51 | 10°46 | 8°59 | 16°31 | 22°42 | 13° 2 | 11°31 | 11°21 | 28°19 | 17° 4 | W 8 |
| T 9 | 19 8 52 | 17°36'12 | 16° 4 | 10° 4 | 25°54 | 9°29 | 10°59 | 9° 5 | 16°35 | 22°41 | 13° 3 | 11°31 | 11°18 | 28°26 | 17° 3 | T 9 |
| F 10 | 19 12 49 | 18°33'30 | 28°58 | 12°13 | 27° 4 | 10° 7 | 11°13 | 9°10 | 16°38 | 22°41 | 13° 4 | 11°30 | 11°14 | 28°33 | 17° 2 | F 10 |
| S 11 | 19 16 45 | 19°30'48 | 12♍ 6 | 14°22 | 28°13 | 10°46 | 11°27 | 9°16 | 16°41 | 22°40 | 13° 6 | 11°29 | 11°11 | 28°39 | 17° 1 | S 11 |
| S 12 | 19 20 42 | 20°28'05 | 25°30 | 16°33 | 29°23 | 11°24 | 11°41 | 9°22 | 16°44 | 22°39 | 13° 7 | 11°28 | 11° 8 | 28°46 | 17° 0 | S 12 |
| M13 | 19 24 38 | 21°25'22 | 9♎ 9 | 18°44 | 0♍32 | 12° 3 | 11°54 | 9°28 | 16°47 | 22°38 | 13° 8 | 11°28 | 11° 5 | 28°53 | 16°58 | M13 |
| T 14 | 19 28 35 | 22°22'39 | 23° 3 | 20°55 | 1°41 | 12°41 | 12° 8 | 9°34 | 16°50 | 22°38 | 13°10 | 11°D27 | 11° 2 | 28°59 | 16°57 | T 14 |
| W15 | 19 32 31 | 23°19'54 | 7♏12 | 23° 6 | 2°50 | 13°19 | 12°22 | 9°40 | 16°53 | 22°37 | 13°11 | 11°28 | 10°59 | 29° 6 | 16°56 | W15 |
| T 16 | 19 36 28 | 24°17'10 | 21°33 | 25°17 | 3°59 | 13°57 | 12°35 | 9°46 | 16°56 | 22°37 | 13°12 | 11°28 | 10°55 | 29°13 | 16°54 | T 16 |
| F 17 | 19 40 24 | 25°14'24 | 6♐ 5 | 27°27 | 5° 8 | 14°36 | 12°49 | 9°52 | 16°59 | 22°36 | 13°14 | 11°29 | 10°52 | 29°19 | 16°53 | F 17 |
| S 18 | 19 44 21 | 26°11'39 | 20°42 | 29°37 | 6°17 | 15°14 | 13° 3 | 9°58 | 17° 2 | 22°36 | 13°15 | 11°30 | 10°49 | 29°26 | 16°51 | S 18 |
| S 19 | 19 48 18 | 27° 8'53 | 5♑19 | 1♌45 | 7°25 | 15°52 | 13°16 | 10° 4 | 17° 4 | 22°35 | 13°17 | 11°R31 | 10°46 | 29°33 | 16°50 | S 19 |
| M20 | 19 52 14 | 28° 6'07 | 19°51 | 3°52 | 8°34 | 16°31 | 13°30 | 10°11 | 17° 7 | 22°35 | 13°18 | 11°31 | 10°43 | 29°39 | 16°48 | M20 |
| T 21 | 19 56 11 | 29° 3'21 | 4♒12 | 5°58 | 9°42 | 17° 9 | 13°44 | 10°17 | 17°10 | 22°34 | 13°20 | 11°30 | 10°40 | 29°46 | 16°46 | T 21 |
| W22 | 20 0 7 | 0♌ 0'35 | 18°15 | 8° 2 | 10°51 | 17°47 | 13°57 | 10°23 | 17°13 | 22°34 | 13°21 | 11°28 | 10°36 | 29°53 | 16°45 | W22 |
| T 23 | 20 4 4 | 0°57'49 | 1♓59 | 10° 5 | 11°59 | 18°25 | 14°11 | 10°30 | 17°16 | 22°33 | 13°23 | 11°26 | 10°33 | 29°59 | 16°43 | T 23 |
| F 24 | 20 8 0 | 1°55'04 | 15°20 | 12° 6 | 13° 7 | 19° 3 | 14°24 | 10°36 | 17°18 | 22°33 | 13°24 | 11°23 | 10°30 | 0♊ 6 | 16°41 | F 24 |
| S 25 | 20 11 57 | 2°52'18 | 28°18 | 14° 5 | 14°15 | 19°42 | 14°38 | 10°43 | 17°21 | 22°33 | 13°26 | 11°20 | 10°27 | 0°13 | 16°39 | S 25 |
| S 26 | 20 15 54 | 3°49'33 | 10♈55 | 16° 3 | 15°22 | 20°20 | 14°51 | 10°50 | 17°24 | 22°32 | 13°27 | 11°18 | 10°24 | 0°19 | 16°37 | S 26 |
| M27 | 20 19 50 | 4°46'48 | 23°15 | 17°59 | 16°30 | 20°58 | 15° 4 | 10°56 | 17°26 | 22°32 | 13°29 | 11°16 | 10°20 | 0°26 | 16°35 | M27 |
| T 28 | 20 23 47 | 5°44'04 | 5♉20 | 19°52 | 17°38 | 21°36 | 15°18 | 11° 3 | 17°29 | 22°32 | 13°31 | 11°D16 | 10°17 | 0°33 | 16°33 | T 28 |
| W29 | 20 27 43 | 6°41'20 | 17°15 | 21°44 | 18°45 | 22°14 | 15°31 | 11°10 | 17°31 | 22°32 | 13°32 | 11°16 | 10°14 | 0°39 | 16°31 | W29 |
| T 30 | 20 31 40 | 7°38'36 | 29° 6 | 23°34 | 19°52 | 22°53 | 15°44 | 11°16 | 17°34 | 22°32 | 13°34 | 11°17 | 10°11 | 0°46 | 16°29 | T 30 |
| F 31 | 20 35 36 | 8♌35'54 | 10♊56 | 25♌23 | 20♍59 | 23♌31 | 15♋58 | 11♍23 | 17♊37 | 22♏31 | 13♍36 | 11♋19 | 10♋ 8 | 0♊53 | 16♓27 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n57 | 9n59 | 4s42 | 22n 8 | 1s 3 | 17n38 | 1n56 | 20n14 | 1n12 | 22n48 | 0s12 | 9n50 | 1n33 | 22n33 | 0s 3 | 16s43 | 1n43 | 17n 7 | 11n19 | 22n49 | 22n48 | 16n 1 | 0s 2 | 5n26 |
| T 2 | 22 52 | 13 56 | 4 6 | 22 23 | 0 52 | 17 16 | 1 55 | 20 5 | 1 12 | 22 47 | 0 12 | 9 48 | 1 33 | 22 33 | 0 3 | 16 43 | 1 43 | 17 6 | 11 19 | 22 49 | 22 48 | 16 3 | 0 2 | 5 26 |
| F 3 | 22 47 | 17 20 | 3 19 | 22 38 | 0 40 | 16 54 | 1 55 | 19 55 | 1 12 | 22 46 | 0 12 | 9 46 | 1 33 | 22 33 | 0 3 | 16 42 | 1 43 | 17 6 | 11 18 | 22 49 | 22 49 | 16 5 | 0 2 | 5 26 |
| S 4 | 22 42 | 20 3 | 2 24 | 22 50 | 0 29 | 16 31 | 1 54 | 19 46 | 1 12 | 22 45 | 0 12 | 9 44 | 1 33 | 22 34 | 0 3 | 16 42 | 1 43 | 17 5 | 11 18 | 22 49 | 22 49 | 16 7 | 0 2 | 5 26 |
| S 5 | 22 36 | 21 54 | 1 22 | 23 1 | 0 17 | 16 8 | 1 53 | 19 36 | 1 12 | 22 44 | 0 12 | 9 42 | 1 33 | 22 34 | 0 3 | 16 42 | 1 43 | 17 5 | 11 18 | 22 49 | 22 49 | 16 9 | 0 3 | 5 27 |
| M 6 | 22 30 | 22 46 | 0 16 | 23 10 | 0 6 | 15 45 | 1 52 | 19 26 | 1 12 | 22 43 | 0 12 | 9 40 | 1 33 | 22 34 | 0 3 | 16 42 | 1 43 | 17 4 | 11 18 | 22 49 | 22 49 | 16 11 | 0 3 | 5 27 |
| T 7 | 22 24 | 22 33 | 0n52 | 23 16 | 0n 5 | 15 21 | 1 52 | 19 16 | 1 11 | 22 42 | 0 12 | 9 38 | 1 33 | 22 35 | 0 3 | 16 42 | 1 43 | 17 3 | 11 18 | 22 49 | 22 50 | 16 13 | 0 3 | 5 27 |
| W 8 | 22 17 | 21 13 | 1 58 | 23 21 | 0 16 | 14 57 | 1 50 | 19 6 | 1 11 | 22 41 | 0 12 | 9 35 | 1 33 | 22 35 | 0 3 | 16 42 | 1 43 | 17 3 | 11 17 | 22 49 | 22 50 | 16 15 | 0 3 | 5 27 |
| T 9 | 22 10 | 18 48 | 3 0 | 23 22 | 0 26 | 14 32 | 1 49 | 18 56 | 1 11 | 22 40 | 0 11 | 9 33 | 1 32 | 22 35 | 0 3 | 16 41 | 1 43 | 17 2 | 11 17 | 22 49 | 22 50 | 16 17 | 0 3 | 5 28 |
| F 10 | 22 2 | 15 26 | 3 54 | 23 22 | 0 36 | 14 7 | 1 48 | 18 46 | 1 11 | 22 39 | 0 11 | 9 31 | 1 32 | 22 36 | 0 3 | 16 41 | 1 43 | 17 1 | 11 17 | 22 49 | 22 51 | 16 19 | 0 3 | 5 28 |
| S 11 | 21 54 | 11 14 | 4 36 | 23 18 | 0 46 | 13 42 | 1 47 | 18 35 | 1 11 | 22 38 | 0 11 | 9 29 | 1 32 | 22 36 | 0 3 | 16 41 | 1 43 | 17 1 | 11 17 | 22 49 | 22 51 | 16 21 | 0 4 | 5 28 |
| S 12 | 21 46 | 6 27 | 5 5 | 23 12 | 0 55 | 13 17 | 1 45 | 18 25 | 1 11 | 22 37 | 0 11 | 9 27 | 1 32 | 22 36 | 0 3 | 16 41 | 1 43 | 17 0 | 11 17 | 22 49 | 22 51 | 16 23 | 0 4 | 5 28 |
| M13 | 21 37 | 1 15 | 5 16 | 23 4 | 1 4 | 12 51 | 1 44 | 18 14 | 1 11 | 22 36 | 0 11 | 9 24 | 1 32 | 22 37 | 0 3 | 16 41 | 1 43 | 16 59 | 11 16 | 22 49 | 22 51 | 16 25 | 0 4 | 5 28 |
| T 14 | 21 28 | 4s 6 | 5 10 | 22 52 | 1 11 | 12 25 | 1 42 | 18 3 | 1 11 | 22 35 | 0 11 | 9 22 | 1 32 | 22 37 | 0 3 | 16 41 | 1 43 | 16 58 | 11 16 | 22 49 | 22 52 | 16 28 | 0 4 | 5 29 |
| W15 | 21 19 | 9 20 | 4 45 | 22 38 | 1 19 | 11 58 | 1 40 | 17 52 | 1 11 | 22 34 | 0 11 | 9 20 | 1 32 | 22 37 | 0 3 | 16 41 | 1 43 | 16 58 | 11 16 | 22 49 | 22 52 | 16 30 | 0 5 | 5 29 |
| T 16 | 21 9 | 14 9 | 4 3 | 22 22 | 1 25 | 11 32 | 1 39 | 17 41 | 1 11 | 22 33 | 0 11 | 9 17 | 1 32 | 22 38 | 0 3 | 16 41 | 1 42 | 16 57 | 11 16 | 22 49 | 22 52 | 16 32 | 0 5 | 5 29 |
| F 17 | 20 59 | 18 12 | 3 4 | 22 3 | 1 31 | 11 5 | 1 37 | 17 30 | 1 11 | 22 31 | 0 11 | 9 15 | 1 32 | 22 38 | 0 3 | 16 40 | 1 42 | 16 56 | 11 16 | 22 49 | 22 52 | 16 34 | 0 6 | 5 29 |
| S 18 | 20 48 | 21 7 | 1 53 | 21 41 | 1 36 | 10 38 | 1 35 | 17 19 | 1 11 | 22 30 | 0 11 | 9 13 | 1 32 | 22 38 | 0 3 | 16 40 | 1 42 | 16 56 | 11 16 | 22 49 | 22 53 | 16 36 | 0 6 | 5 29 |
| S 19 | 20 37 | 22 38 | 0 34 | 21 17 | 1 40 | 10 10 | 1 32 | 17 7 | 1 11 | 22 29 | 0 11 | 9 10 | 1 32 | 22 38 | 0 3 | 16 40 | 1 42 | 16 55 | 11 15 | 22 49 | 22 53 | 16 38 | 0 6 | 5 30 |
| M20 | 20 26 | 22 37 | 0s46 | 20 52 | 1 43 | 9 43 | 1 30 | 16 56 | 1 11 | 22 28 | 0 10 | 9 8 | 1 32 | 22 39 | 0 3 | 16 40 | 1 42 | 16 54 | 11 15 | 22 49 | 22 53 | 16 40 | 0 7 | 5 30 |
| T 21 | 20 15 | 21 5 | 2 2 | 20 24 | 1 46 | 9 15 | 1 28 | 16 44 | 1 11 | 22 26 | 0 10 | 9 6 | 1 32 | 22 39 | 0 3 | 16 40 | 1 42 | 16 53 | 11 15 | 22 49 | 22 53 | 16 42 | 0 7 | 5 30 |
| W22 | 20 3 | 18 17 | 3 9 | 19 54 | 1 48 | 8 47 | 1 25 | 16 33 | 1 11 | 22 25 | 0 10 | 9 3 | 1 32 | 22 39 | 0 3 | 16 40 | 1 42 | 16 53 | 11 15 | 22 49 | 22 54 | 16 44 | 0 8 | 5 30 |
| T 23 | 19 50 | 14 30 | 4 4 | 19 23 | 1 49 | 8 19 | 1 23 | 16 21 | 1 10 | 22 24 | 0 10 | 9 1 | 1 32 | 22 39 | 0 3 | 16 40 | 1 42 | 16 52 | 11 15 | 22 50 | 22 54 | 16 46 | 0 8 | 5 30 |
| F 24 | 19 38 | 10 6 | 4 43 | 18 50 | 1 49 | 7 50 | 1 20 | 16 9 | 1 10 | 22 22 | 0 10 | 8 58 | 1 32 | 22 40 | 0 3 | 16 40 | 1 42 | 16 51 | 11 15 | 22 50 | 22 54 | 16 48 | 0 9 | 5 31 |
| S 25 | 19 25 | 5 22 | 5 7 | 18 16 | 1 49 | 7 22 | 1 18 | 15 57 | 1 10 | 22 21 | 0 10 | 8 56 | 1 32 | 22 40 | 0 3 | 16 40 | 1 42 | 16 50 | 11 14 | 22 50 | 22 54 | 16 50 | 0 9 | 5 31 |
| S 26 | 19 12 | 0 32 | 5 15 | 17 40 | 1 48 | 6 53 | 1 15 | 15 45 | 1 10 | 22 20 | 0 10 | 8 53 | 1 32 | 22 40 | 0 3 | 16 40 | 1 42 | 16 50 | 11 14 | 22 50 | 22 55 | 16 52 | 0 10 | 5 31 |
| M27 | 18 58 | 4n13 | 5 8 | 17 3 | 1 47 | 6 24 | 1 12 | 15 32 | 1 10 | 22 18 | 0 10 | 8 51 | 1 32 | 22 41 | 0 3 | 16 40 | 1 42 | 16 49 | 11 14 | 22 50 | 22 55 | 16 54 | 0 11 | 5 31 |
| T 28 | 18 44 | 8 42 | 4 48 | 16 26 | 1 44 | 5 55 | 1 9 | 15 20 | 1 10 | 22 17 | 0 10 | 8 48 | 1 32 | 22 41 | 0 3 | 16 40 | 1 42 | 16 48 | 11 14 | 22 50 | 22 55 | 16 56 | 0 11 | 5 31 |
| W29 | 18 30 | 12 49 | 4 15 | 15 47 | 1 42 | 5 26 | 1 6 | 15 8 | 1 10 | 22 15 | 0 10 | 8 45 | 1 32 | 22 41 | 0 3 | 16 40 | 1 42 | 16 47 | 11 14 | 22 50 | 22 55 | 16 58 | 0 12 | 5 31 |
| T 30 | 18 16 | 16 24 | 3 32 | 15 8 | 1 38 | 4 57 | 1 2 | 14 55 | 1 10 | 22 14 | 0 10 | 8 43 | 1 32 | 22 41 | 0 3 | 16 40 | 1 42 | 16 47 | 11 14 | 22 50 | 22 56 | 17 0 | 0 13 | 5 32 |
| F 31 | 18n 1 | 19n20 | 2s39 | 14n28 | 1n34 | 4n28 | 0n59 | 14n43 | 1n10 | 22n13 | 0s10 | 8n40 | 1n32 | 22n41 | 0s 3 | 16s40 | 1n42 | 16n46 | 11n14 | 22n50 | 22n56 | 17n 2 | 0s13 | 5n32 |

Julian Day Number = 2798706.5, Delta T = 49m38s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°02'41, Lahiri = 37°09'42


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# ASTRODIENST EPHEMERIS for the year 2950
# geocentric

## AUGUST 2950 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 39 33 | 9♌33'11 | 22♊51 | 27♌ 9 | 22♍ 6 | 24♌ 9 | 16♋11 | 11♍30 | 17♊39 | 22°R31 | 13♍37 | 11♋21 | 10♋ 5 | 0♊59 | 16°R25 | S 1 |
| S 2 | 20 43 29 | 10°30'30 | 4♋55 | 28°53 | 23°13 | 24°47 | 16°24 | 11°37 | 17°41 | 22♏31 | 13°39 | 11°22 | 10° 1 | 1° 6 | 16♓22 | S 2 |
| M 3 | 20 47 26 | 11°27'48 | 17°11 | 0♍36 | 24°20 | 25°25 | 16°37 | 11°44 | 17°44 | 22°D31 | 13°41 | 11°R22 | 9°58 | 1°13 | 16°20 | M 3 |
| T 4 | 20 51 23 | 12°25'08 | 29°41 | 2°17 | 25°26 | 26° 3 | 16°50 | 11°51 | 17°46 | 22°31 | 13°42 | 11°20 | 9°55 | 1°19 | 16°18 | T 4 |
| W 5 | 20 55 19 | 13°22'28 | 12♌26 | 3°55 | 26°33 | 26°42 | 17° 3 | 11°58 | 17°48 | 22°31 | 13°44 | 11°18 | 9°52 | 1°26 | 16°15 | W 5 |
| T 6 | 20 59 16 | 14°19'48 | 25°28 | 5°32 | 27°39 | 27°20 | 17°16 | 12° 5 | 17°51 | 22°31 | 13°46 | 11°13 | 9°49 | 1°33 | 16°13 | T 6 |
| F 7 | 21 3 12 | 15°17'08 | 8♍46 | 7° 7 | 28°45 | 27°58 | 17°29 | 12°12 | 17°53 | 22°31 | 13°48 | 11° 8 | 9°46 | 1°40 | 16°11 | F 7 |
| S 8 | 21 7 9 | 16°14'29 | 22°17 | 8°41 | 29°51 | 28°36 | 17°42 | 12°19 | 17°55 | 22°32 | 13°49 | 11° 3 | 9°42 | 1°46 | 16° 8 | S 8 |
| S 9 | 21 11 5 | 17°11'51 | 6♎ 1 | 10°12 | 0♎57 | 29°14 | 17°55 | 12°26 | 17°57 | 22°32 | 13°51 | 10°58 | 9°39 | 1°53 | 16° 6 | S 9 |
| M10 | 21 15 2 | 18° 9'12 | 19°55 | 11°41 | 2° 2 | 29°52 | 18° 8 | 12°33 | 18° 0 | 22°32 | 13°53 | 10°54 | 9°36 | 2° 0 | 16° 3 | M10 |
| T 11 | 21 18 58 | 19° 6'34 | 3♏56 | 13° 9 | 3° 7 | 0♍30 | 18°21 | 12°41 | 18° 2 | 22°32 | 13°55 | 10°51 | 9°33 | 2° 6 | 16° 1 | T 11 |
| W12 | 21 22 55 | 20° 3'57 | 18° 4 | 14°34 | 4°13 | 1° 9 | 18°33 | 12°48 | 18° 4 | 22°32 | 13°57 | 10°D50 | 9°30 | 2°13 | 15°58 | W12 |
| T 13 | 21 26 51 | 21° 1'19 | 2♐15 | 15°58 | 5°17 | 1°47 | 18°46 | 12°55 | 18° 6 | 22°33 | 13°59 | 10°50 | 9°26 | 2°20 | 15°55 | T 13 |
| F 14 | 21 30 48 | 21°58'43 | 16°28 | 17°20 | 6°22 | 2°25 | 18°59 | 13° 2 | 18° 8 | 22°33 | 14° 0 | 10°52 | 9°23 | 2°26 | 15°53 | F 14 |
| S 15 | 21 34 45 | 22°56'06 | 0♑42 | 18°39 | 7°27 | 3° 3 | 19°11 | 13°10 | 18°10 | 22°33 | 14° 2 | 10°53 | 9°20 | 2°33 | 15°50 | S 15 |
| S 16 | 21 38 41 | 23°53'31 | 14°53 | 19°57 | 8°31 | 3°41 | 19°24 | 13°17 | 18°11 | 22°34 | 14° 4 | 10°R53 | 9°17 | 2°40 | 15°47 | S 16 |
| M17 | 21 42 38 | 24°50'56 | 28°59 | 21°12 | 9°35 | 4°19 | 19°36 | 13°24 | 18°13 | 22°34 | 14° 6 | 10°52 | 9°14 | 2°46 | 15°45 | M17 |
| T 18 | 21 46 34 | 25°48'21 | 12♒57 | 22°25 | 10°39 | 4°57 | 19°49 | 13°32 | 18°15 | 22°35 | 14° 8 | 10°48 | 9°11 | 2°53 | 15°42 | T 18 |
| W19 | 21 50 31 | 26°45'47 | 26°42 | 23°36 | 11°43 | 5°35 | 20° 1 | 13°39 | 18°17 | 22°35 | 14°10 | 10°43 | 9° 7 | 3° 0 | 15°39 | W19 |
| T 20 | 21 54 27 | 27°43'14 | 10♓12 | 24°45 | 12°46 | 6°13 | 20°13 | 13°47 | 18°19 | 22°36 | 14°12 | 10°36 | 9° 4 | 3° 6 | 15°36 | T 20 |
| F 21 | 21 58 24 | 28°40'42 | 23°25 | 25°51 | 13°49 | 6°52 | 20°25 | 13°54 | 18°20 | 22°36 | 14°14 | 10°28 | 9° 1 | 3°13 | 15°34 | F 21 |
| S 22 | 22 2 20 | 29°38'11 | 6♈18 | 26°55 | 14°52 | 7°30 | 20°37 | 14° 1 | 18°22 | 22°37 | 14°16 | 10°20 | 8°58 | 3°20 | 15°31 | S 22 |
| S 23 | 22 6 17 | 0♍35'41 | 18°53 | 27°56 | 15°55 | 8° 8 | 20°50 | 14° 9 | 18°23 | 22°37 | 14°18 | 10°12 | 8°55 | 3°26 | 15°28 | S 23 |
| M24 | 22 10 14 | 1°33'12 | 1♉12 | 28°54 | 16°57 | 8°46 | 21° 2 | 14°16 | 18°25 | 22°38 | 14°19 | 10° 6 | 8°52 | 3°33 | 15°25 | M24 |
| T 25 | 22 14 10 | 2°30'45 | 13°16 | 29°50 | 17°59 | 9°24 | 21°13 | 14°24 | 18°26 | 22°39 | 14°21 | 10° 2 | 8°48 | 3°40 | 15°22 | T 25 |
| W26 | 22 18 7 | 3°28'19 | 25°11 | 0♎42 | 19° 1 | 10° 2 | 21°25 | 14°31 | 18°28 | 22°39 | 14°23 | 10° 0 | 8°45 | 3°46 | 15°19 | W26 |
| T 27 | 22 22 3 | 4°25'54 | 7♊ 2 | 1°32 | 20° 2 | 10°40 | 21°37 | 14°39 | 18°29 | 22°40 | 14°25 | 10°D 0 | 8°42 | 3°53 | 15°16 | T 27 |
| F 28 | 22 26 0 | 5°23'31 | 18°52 | 2°18 | 21° 4 | 11°18 | 21°49 | 14°47 | 18°31 | 22°41 | 14°27 | 10° 0 | 8°39 | 4° 0 | 15°13 | F 28 |
| S 29 | 22 29 56 | 6°21'09 | 0♋49 | 3° 1 | 22° 5 | 11°56 | 22° 0 | 14°54 | 18°32 | 22°42 | 14°29 | 10° 1 | 8°36 | 4° 6 | 15°11 | S 29 |
| S 30 | 22 33 53 | 7°18'48 | 12°56 | 3°40 | 23° 5 | 12°34 | 22°12 | 15° 2 | 18°33 | 22°43 | 14°31 | 10°R 2 | 8°32 | 4°13 | 15° 8 | S 30 |
| M31 | 22 37 49 | 8♍16'29 | 25♋18 | 4♎15 | 24♎ 6 | 13♍13 | 22♋24 | 15♍ 9 | 18♊34 | 22♏43 | 14♍33 | 10♋ 0 | 8♋29 | 4♊20 | 15♓ 5 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n46 | 21n28 | 1s40 | 13n48 | 1n30 | 3n58 | 0n56 | 14n30 | 1n10 | 22n11 | 0s 9 | 8n38 | 1n32 | 22n42 | 0s 3 | 16s40 | 1n42 | 16n45 | 11n14 | 22n50 | 22n56 | 17n 4 | 0s14 | 5n32 |
| S 2 | 17 31 | 22 38 | 0 35 | 13 7 | 1 25 | 3 29 | 0 52 | 14 17 | 1 9 | 22 10 | 0 9 | 8 35 | 1 32 | 22 42 | 0 3 | 16 40 | 1 42 | 16 44 | 11 13 | 22 50 | 22 56 | 17 6 | 0 15 | 5 32 |
| M 3 | 17 15 | 22 45 | 0n32 | 12 26 | 1 19 | 2 59 | 0 48 | 14 4 | 1 9 | 22 8 | 0 9 | 8 32 | 1 32 | 22 42 | 0 3 | 16 40 | 1 42 | 16 44 | 11 13 | 22 50 | 22 57 | 17 8 | 0 15 | 5 32 |
| T 4 | 16 59 | 21 43 | 1 39 | 11 45 | 1 13 | 2 29 | 0 45 | 13 51 | 1 9 | 22 7 | 0 9 | 8 30 | 1 32 | 22 42 | 0 3 | 16 40 | 1 41 | 16 43 | 11 13 | 22 50 | 22 57 | 17 10 | 0 16 | 5 32 |
| W 5 | 16 43 | 19 34 | 2 42 | 11 3 | 1 7 | 2 0 | 0 41 | 13 38 | 1 9 | 22 5 | 0 9 | 8 27 | 1 32 | 22 43 | 0 3 | 16 40 | 1 41 | 16 42 | 11 13 | 22 50 | 22 57 | 17 12 | 0 17 | 5 32 |
| T 6 | 16 27 | 16 23 | 3 38 | 10 22 | 1 0 | 1 30 | 0 37 | 13 25 | 1 9 | 22 3 | 0 9 | 8 24 | 1 32 | 22 43 | 0 3 | 16 40 | 1 41 | 16 41 | 11 13 | 22 51 | 22 57 | 17 14 | 0 18 | 5 32 |
| F 7 | 16 10 | 12 18 | 4 23 | 9 40 | 0 53 | 1 0 | 0 33 | 13 12 | 1 9 | 22 2 | 0 9 | 8 22 | 1 32 | 22 43 | 0 3 | 16 40 | 1 41 | 16 41 | 11 13 | 22 51 | 22 58 | 17 16 | 0 19 | 5 33 |
| S 8 | 15 53 | 7 33 | 4 55 | 8 58 | 0 45 | 0 30 | 0 29 | 12 59 | 1 9 | 22 0 | 0 9 | 8 19 | 1 32 | 22 43 | 0 3 | 16 41 | 1 41 | 16 40 | 11 13 | 22 52 | 22 58 | 17 18 | 0 19 | 5 33 |
| S 9 | 15 36 | 2 22 | 5 10 | 8 17 | 0 37 | 0 0 | 0 25 | 12 45 | 1 9 | 21 59 | 0 9 | 8 16 | 1 32 | 22 43 | 0 3 | 16 41 | 1 41 | 16 39 | 11 13 | 22 52 | 22 58 | 17 20 | 0 20 | 5 33 |
| M10 | 15 19 | 3s 0 | 5 7 | 7 35 | 0 29 | 0s30 | 0 20 | 12 32 | 1 8 | 21 57 | 0 9 | 8 14 | 1 32 | 22 44 | 0 3 | 16 41 | 1 41 | 16 38 | 11 13 | 22 52 | 22 58 | 17 22 | 0 21 | 5 33 |
| T 11 | 15 1 | 8 16 | 4 46 | 6 54 | 0 20 | 0 59 | 0 16 | 12 18 | 1 8 | 21 55 | 0 9 | 8 11 | 1 32 | 22 44 | 0 3 | 16 41 | 1 41 | 16 37 | 11 13 | 22 52 | 22 58 | 17 24 | 0 22 | 5 33 |
| W12 | 14 43 | 13 9 | 4 8 | 6 13 | 0 11 | 1 29 | 0 12 | 12 5 | 1 8 | 21 54 | 0 9 | 8 8 | 1 32 | 22 44 | 0 3 | 16 41 | 1 41 | 16 37 | 11 13 | 22 53 | 22 59 | 17 26 | 0 23 | 5 33 |
| T 13 | 14 25 | 17 20 | 3 14 | 5 32 | 0 2 | 1 59 | 0 7 | 11 51 | 1 8 | 21 52 | 0 8 | 8 5 | 1 32 | 22 44 | 0 3 | 16 41 | 1 41 | 16 36 | 11 12 | 22 53 | 22 59 | 17 28 | 0 24 | 5 33 |
| F 14 | 14 7 | 20 30 | 2 9 | 4 52 | 0s 7 | 2 29 | 0 2 | 11 37 | 1 8 | 21 51 | 0 8 | 8 2 | 1 32 | 22 44 | 0 3 | 16 41 | 1 41 | 16 35 | 11 12 | 22 52 | 22 59 | 17 30 | 0 25 | 5 33 |
| S 15 | 13 48 | 22 24 | 0 55 | 4 12 | 0 17 | 2 59 | 0s 2 | 11 23 | 1 8 | 21 49 | 0 8 | 8 0 | 1 32 | 22 45 | 0 3 | 16 41 | 1 41 | 16 34 | 11 12 | 22 52 | 22 59 | 17 32 | 0 26 | 5 33 |
| S 16 | 13 29 | 22 51 | 0s22 | 3 33 | 0 27 | 3 28 | 0 7 | 11 9 | 1 8 | 21 47 | 0 8 | 7 57 | 1 32 | 22 45 | 0 3 | 16 42 | 1 41 | 16 34 | 11 12 | 22 52 | 23 0 | 17 34 | 0 27 | 5 33 |
| M17 | 13 10 | 21 50 | 1 36 | 2 54 | 0 37 | 3 58 | 0 12 | 10 55 | 1 7 | 21 45 | 0 8 | 7 54 | 1 32 | 22 45 | 0 3 | 16 42 | 1 41 | 16 33 | 11 12 | 22 52 | 23 0 | 17 36 | 0 28 | 5 33 |
| T 18 | 12 51 | 19 28 | 2 45 | 2 16 | 0 47 | 4 27 | 0 17 | 10 41 | 1 7 | 21 44 | 0 8 | 7 51 | 1 32 | 22 45 | 0 3 | 16 42 | 1 41 | 16 32 | 11 12 | 22 53 | 23 0 | 17 38 | 0 29 | 5 33 |
| W19 | 12 32 | 16 1 | 3 42 | 1 39 | 0 58 | 4 57 | 0 22 | 10 27 | 1 7 | 21 42 | 0 8 | 7 48 | 1 32 | 22 45 | 0 3 | 16 42 | 1 41 | 16 31 | 11 12 | 22 53 | 23 0 | 17 40 | 0 30 | 5 34 |
| T 20 | 12 12 | 11 48 | 4 26 | 1 2 | 1 8 | 5 26 | 0 27 | 10 13 | 1 7 | 21 40 | 0 8 | 7 46 | 1 32 | 22 45 | 0 3 | 16 42 | 1 41 | 16 31 | 11 12 | 22 54 | 23 0 | 17 42 | 0 31 | 5 34 |
| F 21 | 11 52 | 7 6 | 4 54 | 0 26 | 1 19 | 5 55 | 0 32 | 9 59 | 1 7 | 21 39 | 0 8 | 7 43 | 1 32 | 22 46 | 0 3 | 16 42 | 1 40 | 16 30 | 11 12 | 22 54 | 23 1 | 17 44 | 0 32 | 5 34 |
| S 22 | 11 32 | 2 12 | 5 6 | 0s 9 | 1 30 | 6 25 | 0 38 | 9 45 | 1 7 | 21 37 | 0 8 | 7 40 | 1 32 | 22 46 | 0 3 | 16 43 | 1 40 | 16 29 | 11 12 | 22 55 | 23 1 | 17 46 | 0 33 | 5 34 |
| S 23 | 11 12 | 2n40 | 5 4 | 0 43 | 1 41 | 6 54 | 0 43 | 9 31 | 1 7 | 21 35 | 0 8 | 7 37 | 1 32 | 22 46 | 0 3 | 16 43 | 1 40 | 16 28 | 11 12 | 22 56 | 23 1 | 17 48 | 0 34 | 5 34 |
| M24 | 10 52 | 7 20 | 4 47 | 1 17 | 1 52 | 7 22 | 0 49 | 9 16 | 1 6 | 21 33 | 0 8 | 7 34 | 1 32 | 22 46 | 0 3 | 16 43 | 1 40 | 16 27 | 11 12 | 22 56 | 23 1 | 17 50 | 0 35 | 5 34 |
| T 25 | 10 32 | 11 39 | 4 17 | 1 49 | 2 3 | 7 51 | 0 54 | 9 2 | 1 6 | 21 32 | 0 7 | 7 31 | 1 32 | 22 46 | 0 3 | 16 43 | 1 40 | 16 27 | 11 12 | 22 56 | 23 2 | 17 52 | 0 36 | 5 34 |
| W26 | 10 11 | 15 27 | 3 37 | 2 20 | 2 14 | 8 20 | 1 0 | 8 47 | 1 6 | 21 30 | 0 7 | 7 29 | 1 32 | 22 46 | 0 3 | 16 43 | 1 40 | 16 26 | 11 12 | 22 56 | 23 2 | 17 54 | 0 37 | 5 34 |
| T 27 | 9 50 | 18 37 | 2 48 | 2 49 | 2 25 | 8 48 | 1 5 | 8 33 | 1 6 | 21 28 | 0 7 | 7 26 | 1 32 | 22 46 | 0 3 | 16 44 | 1 40 | 16 25 | 11 12 | 22 56 | 23 2 | 17 55 | 0 38 | 5 34 |
| F 28 | 9 29 | 21 0 | 1 51 | 3 18 | 2 36 | 9 17 | 1 11 | 8 18 | 1 6 | 21 26 | 0 7 | 7 23 | 1 32 | 22 46 | 0 3 | 16 44 | 1 40 | 16 24 | 11 12 | 22 56 | 23 2 | 17 57 | 0 39 | 5 34 |
| S 29 | 9 8 | 22 29 | 0 49 | 3 44 | 2 46 | 9 45 | 1 17 | 8 4 | 1 5 | 21 25 | 0 7 | 7 20 | 1 32 | 22 47 | 0 3 | 16 44 | 1 40 | 16 24 | 11 12 | 22 56 | 23 2 | 17 59 | 0 41 | 5 34 |
| S 30 | 8 47 | 22 57 | 0n16 | 4 10 | 2 57 | 10 13 | 1 23 | 7 49 | 1 5 | 21 23 | 0 7 | 7 17 | 1 32 | 22 47 | 0 3 | 16 44 | 1 40 | 16 23 | 11 12 | 22 56 | 23 3 | 18 1 | 0 42 | 5 34 |
| M31 | 8n25 | 22n18 | 1n21 | 4s33 | 3s 8 | 10s40 | 1s29 | 7n34 | 1n 5 | 21n21 | 0s 7 | 7n14 | 1n32 | 22n47 | 0s 3 | 16s45 | 1n40 | 16n22 | 11n12 | 22n56 | 23n 3 | 18n 3 | 0s43 | 5n34 |

Julian Day Number = 2798737.5, Delta T = 49m39s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°02'46, Lahiri = 37°09'46


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# ASTRODIENST EPHEMERIS for the year 2950
# geocentric

## SEPTEMBER 2950 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 41 46 | 9♍14'11 | 7♌58 | 4♎46 | 25♎ 6 | 13♍51 | 22♋35 | 15♍17 | 18♊36 | 22♏44 | 14♍35 | 9°R57 | 8♋26 | 4♊26 | 15°R 2 | T 1 |
| W 2 | 22 45 43 | 10°11'55 | 20°59 | 5°13 | 26° 5 | 14°29 | 22°46 | 15°25 | 18°37 | 22°45 | 14°37 | 9♋51 | 8°23 | 4°33 | 14♓59 | W 2 |
| T 3 | 22 49 39 | 11° 9'39 | 4♍22 | 5°35 | 27° 5 | 15° 7 | 22°58 | 15°32 | 18°38 | 22°46 | 14°39 | 9°43 | 8°20 | 4°40 | 14°56 | T 3 |
| F 4 | 22 53 36 | 12° 7'26 | 18° 3 | 5°52 | 28° 3 | 15°45 | 23° 9 | 15°40 | 18°39 | 22°47 | 14°41 | 9°34 | 8°17 | 4°46 | 14°53 | F 4 |
| S 5 | 22 57 32 | 13° 5'13 | 2♎ 2 | 6° 5 | 29° 2 | 16°23 | 23°20 | 15°47 | 18°40 | 22°48 | 14°43 | 9°24 | 8°13 | 4°53 | 14°50 | S 5 |
| S 6 | 23 1 29 | 14° 3'01 | 16°12 | 6°12 | 0♏ 0 | 17° 1 | 23°31 | 15°55 | 18°41 | 22°49 | 14°45 | 9°14 | 8°10 | 5° 0 | 14°47 | S 6 |
| M 7 | 23 5 25 | 15° 0'51 | 0♏29 | 6°R14 | 0°58 | 17°39 | 23°42 | 16° 3 | 18°41 | 22°50 | 14°47 | 9° 6 | 8° 7 | 5° 6 | 14°44 | M 7 |
| T 8 | 23 9 22 | 15°58'42 | 14°48 | 6°10 | 1°55 | 18°18 | 23°52 | 16°10 | 18°42 | 22°51 | 14°49 | 9° 0 | 8° 4 | 5°13 | 14°41 | T 8 |
| W 9 | 23 13 18 | 16°56'34 | 29° 4 | 6° 0 | 2°52 | 18°56 | 24° 3 | 16°18 | 18°43 | 22°53 | 14°51 | 8°57 | 8° 1 | 5°20 | 14°38 | W 9 |
| T 10 | 23 17 15 | 17°54'28 | 13♐16 | 5°45 | 3°49 | 19°34 | 24°14 | 16°26 | 18°44 | 22°54 | 14°53 | 8°D55 | 7°57 | 5°26 | 14°35 | T 10 |
| F 11 | 23 21 12 | 18°52'22 | 27°21 | 5°23 | 4°45 | 20°12 | 24°24 | 16°33 | 18°44 | 22°55 | 14°55 | 8°55 | 7°54 | 5°33 | 14°32 | F 11 |
| S 12 | 23 25 8 | 19°50'18 | 11♑19 | 4°55 | 5°40 | 20°50 | 24°35 | 16°41 | 18°45 | 22°56 | 14°57 | 8°R56 | 7°51 | 5°40 | 14°29 | S 12 |
| S 13 | 23 29 5 | 20°48'14 | 25° 9 | 4°22 | 6°35 | 21°28 | 24°45 | 16°48 | 18°46 | 22°57 | 14°59 | 8°55 | 7°48 | 5°46 | 14°26 | S 13 |
| M14 | 23 33 1 | 21°46'12 | 8♒51 | 3°43 | 7°30 | 22° 6 | 24°55 | 16°56 | 18°46 | 22°59 | 15° 1 | 8°52 | 7°45 | 5°53 | 14°23 | M14 |
| T 15 | 23 36 58 | 22°44'12 | 22°24 | 2°59 | 8°24 | 22°45 | 25° 5 | 17° 4 | 18°47 | 23° 0 | 15° 3 | 8°46 | 7°42 | 6° 0 | 14°20 | T 15 |
| W16 | 23 40 54 | 23°42'12 | 5♓46 | 2°10 | 9°17 | 23°23 | 25°15 | 17°11 | 18°47 | 23° 1 | 15° 5 | 8°37 | 7°38 | 6° 6 | 14°17 | W16 |
| T 17 | 23 44 51 | 24°40'14 | 18°56 | 1°18 | 10°10 | 24° 1 | 25°25 | 17°19 | 18°47 | 23° 3 | 15° 7 | 8°26 | 7°35 | 6°13 | 14°14 | T 17 |
| F 18 | 23 48 47 | 25°38'18 | 1♈52 | 0°22 | 11° 2 | 24°39 | 25°35 | 17°26 | 18°48 | 23° 4 | 15° 9 | 8°14 | 7°32 | 6°20 | 14°11 | F 18 |
| S 19 | 23 52 44 | 26°36'23 | 14°34 | 29♍25 | 11°54 | 25°17 | 25°45 | 17°34 | 18°48 | 23° 5 | 15°11 | 8° 1 | 7°29 | 6°26 | 14° 8 | S 19 |
| S 20 | 23 56 41 | 27°34'30 | 27° 0 | 28°26 | 12°45 | 25°56 | 25°55 | 17°42 | 18°48 | 23° 7 | 15°13 | 7°49 | 7°26 | 6°33 | 14° 6 | S 20 |
| M21 | 0 0 37 | 28°32'39 | 9♉14 | 27°28 | 13°35 | 26°34 | 26° 4 | 17°49 | 18°48 | 23° 8 | 15°15 | 7°39 | 7°23 | 6°40 | 14° 3 | M21 |
| T 22 | 0 4 34 | 29°30'49 | 21°15 | 26°32 | 14°25 | 27°12 | 26°13 | 17°57 | 18°49 | 23°10 | 15°17 | 7°32 | 7°19 | 6°46 | 14° 0 | T 22 |
| W23 | 0 8 30 | 0♎29'02 | 3♊ 8 | 25°39 | 15°14 | 27°50 | 26°23 | 18° 4 | 18°49 | 23°11 | 15°19 | 7°27 | 7°16 | 6°53 | 13°57 | W23 |
| T 24 | 0 12 27 | 1°27'17 | 14°57 | 24°50 | 16° 2 | 28°28 | 26°32 | 18°12 | 18°R49 | 23°13 | 15°20 | 7°24 | 7°13 | 7° 0 | 13°54 | T 24 |
| F 25 | 0 16 23 | 2°25'33 | 26°46 | 24° 7 | 16°49 | 29° 7 | 26°41 | 18°19 | 18°49 | 23°14 | 15°22 | 7°23 | 7°10 | 7° 6 | 13°51 | F 25 |
| S 26 | 0 20 20 | 3°23'52 | 8♋41 | 23°30 | 17°36 | 29°45 | 26°50 | 18°27 | 18°48 | 23°16 | 15°24 | 7°23 | 7° 7 | 7°13 | 13°49 | S 26 |
| S 27 | 0 24 16 | 4°22'12 | 20°48 | 23° 1 | 18°22 | 0♎23 | 26°59 | 18°34 | 18°48 | 23°17 | 15°26 | 7°23 | 7° 3 | 7°20 | 13°46 | S 27 |
| M28 | 0 28 13 | 5°20'35 | 3♌11 | 22°39 | 19° 7 | 1° 1 | 27° 7 | 18°42 | 18°48 | 23°19 | 15°28 | 7°21 | 7° 0 | 7°26 | 13°43 | M28 |
| T 29 | 0 32 9 | 6°18'59 | 15°56 | 22°27 | 19°51 | 1°40 | 27°16 | 18°49 | 18°48 | 23°21 | 15°30 | 7°17 | 6°57 | 7°33 | 13°41 | T 29 |
| W30 | 0 36 6 | 7♎17'26 | 29♌ 5 | 22°D24 | 20♏34 | 2♎18 | 27♋24 | 18♍56 | 18♊48 | 23♏22 | 15♍32 | 7♋10 | 6♋54 | 7♊40 | 13♓38 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 8n 4 | 20n30 | 2n24 | 4s55 | 3s18 | 11s 8 | 1s35 | 7n19 | 1n 5 | 21n19 | 0s 7 | 7n11 | 1n32 | 22n47 | 0s 3 | 16s45 | 1n40 | 16n21 | 11n12 | 22n57 | 23n 3 | 18n 5 | 0s44 | 5n34 |
| W 2 | 7 42 | 17 36 | 3 21 | 5 14 | 3 28 | 11 35 | 1 41 | 7 5 | 1 5 | 21 18 | 0 7 | 7 8 | 1 32 | 22 47 | 0 3 | 16 45 | 1 40 | 16 21 | 11 12 | 22 57 | 23 3 | 18 7 | 0 45 | 5 34 |
| T 3 | 7 21 | 13 43 | 4 8 | 5 32 | 3 37 | 12 2 | 1 47 | 6 50 | 1 5 | 21 16 | 0 7 | 7 5 | 1 32 | 22 47 | 0 3 | 16 46 | 1 40 | 16 20 | 11 12 | 22 58 | 23 3 | 18 9 | 0 46 | 5 34 |
| F 4 | 6 59 | 9 2 | 4 42 | 5 47 | 3 46 | 12 29 | 1 53 | 6 35 | 1 4 | 21 14 | 0 7 | 7 3 | 1 32 | 22 47 | 0 3 | 16 46 | 1 40 | 16 19 | 11 12 | 22 58 | 23 4 | 18 11 | 0 48 | 5 33 |
| S 5 | 6 37 | 3 48 | 5 1 | 6 0 | 3 55 | 12 56 | 1 59 | 6 20 | 1 4 | 21 12 | 0 6 | 7 0 | 1 32 | 22 47 | 0 3 | 16 46 | 1 40 | 16 19 | 11 12 | 22 59 | 23 4 | 18 13 | 0 49 | 5 33 |
| S 6 | 6 15 | 1s42 | 5 1 | 6 10 | 4 3 | 13 22 | 2 5 | 6 5 | 1 4 | 21 11 | 0 6 | 6 57 | 1 32 | 22 47 | 0 3 | 16 46 | 1 40 | 16 18 | 11 13 | 23 0 | 23 4 | 18 15 | 0 50 | 5 33 |
| M 7 | 5 52 | 7 10 | 4 43 | 6 18 | 4 10 | 13 48 | 2 12 | 5 50 | 1 4 | 21 9 | 0 6 | 6 54 | 1 32 | 22 47 | 0 3 | 16 47 | 1 40 | 16 17 | 11 13 | 23 0 | 23 4 | 18 17 | 0 51 | 5 33 |
| T 8 | 5 30 | 12 16 | 4 7 | 6 22 | 4 17 | 14 14 | 2 18 | 5 35 | 1 4 | 21 7 | 0 6 | 6 51 | 1 32 | 22 48 | 0 3 | 16 47 | 1 40 | 16 16 | 11 13 | 23 1 | 23 4 | 18 18 | 0 52 | 5 33 |
| W 9 | 5 8 | 16 40 | 3 15 | 6 23 | 4 22 | 14 40 | 2 24 | 5 20 | 1 3 | 21 5 | 0 6 | 6 48 | 1 32 | 22 48 | 0 3 | 16 47 | 1 39 | 16 16 | 11 13 | 23 1 | 23 5 | 18 20 | 0 54 | 5 33 |
| T 10 | 4 45 | 20 5 | 2 12 | 6 21 | 4 27 | 15 5 | 2 31 | 5 5 | 1 3 | 21 3 | 0 6 | 6 45 | 1 33 | 22 48 | 0 3 | 16 48 | 1 39 | 16 15 | 11 13 | 23 1 | 23 5 | 18 22 | 0 55 | 5 33 |
| F 11 | 4 23 | 22 16 | 1 1 | 6 16 | 4 30 | 15 30 | 2 37 | 4 50 | 1 3 | 21 2 | 0 6 | 6 42 | 1 33 | 22 48 | 0 3 | 16 48 | 1 39 | 16 14 | 11 13 | 23 1 | 23 5 | 18 24 | 0 56 | 5 33 |
| S 12 | 4 0 | 23 3 | 0s13 | 6 7 | 4 32 | 15 55 | 2 44 | 4 35 | 1 3 | 21 0 | 0 6 | 6 39 | 1 33 | 22 48 | 0 3 | 16 48 | 1 39 | 16 14 | 11 13 | 23 1 | 23 5 | 18 26 | 0 57 | 5 33 |
| S 13 | 3 38 | 22 23 | 1 25 | 5 54 | 4 32 | 16 20 | 2 50 | 4 19 | 1 2 | 20 58 | 0 6 | 6 36 | 1 33 | 22 48 | 0 3 | 16 49 | 1 39 | 16 13 | 11 13 | 23 1 | 23 5 | 18 28 | 0 58 | 5 33 |
| M14 | 3 15 | 20 24 | 2 32 | 5 37 | 4 31 | 16 44 | 2 57 | 4 4 | 1 2 | 20 56 | 0 6 | 6 34 | 1 33 | 22 48 | 0 3 | 16 49 | 1 39 | 16 12 | 11 13 | 23 1 | 23 5 | 18 30 | 1 0 | 5 33 |
| T 15 | 2 52 | 17 16 | 3 29 | 5 17 | 4 28 | 17 8 | 3 3 | 3 49 | 1 2 | 20 55 | 0 6 | 6 31 | 1 33 | 22 48 | 0 3 | 16 50 | 1 39 | 16 12 | 11 13 | 23 2 | 23 6 | 18 32 | 1 1 | 5 32 |
| W16 | 2 29 | 13 17 | 4 13 | 4 54 | 4 24 | 17 31 | 3 10 | 3 34 | 1 2 | 20 53 | 0 6 | 6 28 | 1 33 | 22 48 | 0 3 | 16 50 | 1 39 | 16 11 | 11 13 | 23 2 | 23 6 | 18 34 | 1 2 | 5 32 |
| T 17 | 2 6 | 8 43 | 4 44 | 4 27 | 4 17 | 17 54 | 3 17 | 3 19 | 1 2 | 20 51 | 0 5 | 6 25 | 1 33 | 22 48 | 0 3 | 16 50 | 1 39 | 16 10 | 11 14 | 23 3 | 23 6 | 18 35 | 1 3 | 5 32 |
| F 18 | 1 43 | 3 50 | 4 59 | 3 57 | 4 9 | 18 17 | 3 23 | 3 3 | 1 1 | 20 50 | 0 5 | 6 22 | 1 33 | 22 48 | 0 3 | 16 51 | 1 39 | 16 10 | 11 14 | 23 4 | 23 6 | 18 37 | 1 5 | 5 32 |
| S 19 | 1 21 | 1n 7 | 4 59 | 3 25 | 3 58 | 18 39 | 3 30 | 2 48 | 1 1 | 20 48 | 0 5 | 6 19 | 1 33 | 22 48 | 0 3 | 16 51 | 1 39 | 16 9 | 11 14 | 23 4 | 23 6 | 18 39 | 1 6 | 5 32 |
| S 20 | 0 58 | 5 56 | 4 44 | 2 50 | 3 46 | 19 1 | 3 37 | 2 33 | 1 1 | 20 46 | 0 5 | 6 16 | 1 33 | 22 48 | 0 3 | 16 51 | 1 39 | 16 8 | 11 14 | 23 5 | 23 7 | 18 41 | 1 7 | 5 32 |
| M21 | 0 35 | 10 26 | 4 17 | 2 15 | 3 32 | 19 23 | 3 43 | 2 17 | 1 1 | 20 45 | 0 5 | 6 13 | 1 33 | 22 48 | 0 3 | 16 52 | 1 39 | 16 8 | 11 14 | 23 6 | 23 7 | 18 43 | 1 8 | 5 32 |
| T 22 | 0 12 | 14 28 | 3 38 | 1 38 | 3 16 | 19 44 | 3 50 | 2 2 | 1 0 | 20 43 | 0 5 | 6 11 | 1 33 | 22 48 | 0 3 | 16 52 | 1 39 | 16 7 | 11 14 | 23 6 | 23 7 | 18 45 | 1 9 | 5 31 |
| W23 | 0s11 | 17 53 | 2 51 | 1 2 | 2 59 | 20 5 | 3 57 | 1 47 | 1 0 | 20 41 | 0 5 | 6 8 | 1 34 | 22 48 | 0 3 | 16 53 | 1 39 | 16 6 | 11 14 | 23 6 | 23 7 | 18 47 | 1 11 | 5 31 |
| T 24 | 0 35 | 20 33 | 1 56 | 0 26 | 2 41 | 20 26 | 4 3 | 1 31 | 1 0 | 20 40 | 0 5 | 6 5 | 1 34 | 22 48 | 0 3 | 16 53 | 1 39 | 16 6 | 11 15 | 23 7 | 23 7 | 18 48 | 1 12 | 5 31 |
| F 25 | 0 58 | 22 21 | 0 56 | 0n 9 | 2 22 | 20 46 | 4 10 | 1 16 | 1 0 | 20 38 | 0 5 | 6 2 | 1 34 | 22 48 | 0 3 | 16 54 | 1 39 | 16 5 | 11 15 | 23 7 | 23 7 | 18 50 | 1 13 | 5 31 |
| S 26 | 1 21 | 23 9 | 0n 7 | 0 41 | 2 3 | 21 6 | 4 16 | 1 1 | 0 59 | 20 36 | 0 5 | 5 59 | 1 34 | 22 48 | 0 3 | 16 54 | 1 39 | 16 5 | 11 15 | 23 7 | 23 8 | 18 52 | 1 14 | 5 31 |
| S 27 | 1 44 | 22 53 | 1 10 | 1 11 | 1 43 | 21 25 | 4 23 | 0 45 | 0 59 | 20 35 | 0 5 | 5 57 | 1 34 | 22 48 | 0 3 | 16 54 | 1 39 | 16 4 | 11 15 | 23 7 | 23 8 | 18 54 | 1 16 | 5 30 |
| M28 | 2 7 | 21 29 | 2 12 | 1 37 | 1 23 | 21 44 | 4 30 | 0 30 | 0 59 | 20 33 | 0 4 | 5 54 | 1 34 | 22 48 | 0 3 | 16 55 | 1 39 | 16 3 | 11 15 | 23 7 | 23 8 | 18 56 | 1 17 | 5 30 |
| T 29 | 2 30 | 18 59 | 3 9 | 2 0 | 1 4 | 22 2 | 4 36 | 0 14 | 0 59 | 20 32 | 0 4 | 5 51 | 1 34 | 22 48 | 0 3 | 16 55 | 1 39 | 16 3 | 11 15 | 23 7 | 23 8 | 18 58 | 1 18 | 5 30 |
| W30 | 2s53 | 15n26 | 3n57 | 2n19 | 0s45 | 22s20 | 4s43 | 0s 1 | 0n58 | 20n30 | 0s 4 | 5n48 | 1n34 | 22n48 | 0s 3 | 16s56 | 1n39 | 16n 2 | 11n16 | 23n 7 | 23n 8 | 18n59 | 1s19 | 5n30 |

Julian Day Number = 2798768.5, Delta T = 49m39s
Ecliptic obliquity = 23°18'57, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°02'50, Lahiri = 37°09'50


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# ASTRODIENST EPHEMERIS for the year 2950
# geocentric

## OCTOBER 2950 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 40 3 | 8♎15'54 | 12♍40 | 22♍31 | 21♏16 | 2♎56 | 27♋32 | 19♍ 4 | 18°R47 | 23♏24 | 15♍34 | 7°R 1 | 6♋51 | 7♊46 | 13°R35 | T 1 |
| F 2 | 0 43 59 | 9°14'24 | 26°40 | 22°46 | 21°57 | 3°34 | 27°41 | 19°11 | 18♊47 | 23°26 | 15°36 | 6♋50 | 6°48 | 7°53 | 13♓33 | F 2 |
| S 3 | 0 47 56 | 10°12'57 | 11♎ 1 | 23°12 | 22°37 | 4°13 | 27°49 | 19°18 | 18°46 | 23°27 | 15°37 | 6°38 | 6°44 | 8° 0 | 13°30 | S 3 |
| S 4 | 0 51 52 | 11°11'31 | 25°37 | 23°46 | 23°16 | 4°51 | 27°56 | 19°26 | 18°46 | 23°29 | 15°39 | 6°27 | 6°41 | 8° 6 | 13°28 | S 4 |
| M 5 | 0 55 49 | 12°10'07 | 10♏20 | 24°29 | 23°54 | 5°29 | 28° 4 | 19°33 | 18°45 | 23°31 | 15°41 | 6°17 | 6°38 | 8°13 | 13°25 | M 5 |
| T 6 | 0 59 45 | 13° 8'44 | 25° 2 | 25°20 | 24°31 | 6° 8 | 28°12 | 19°40 | 18°45 | 23°33 | 15°43 | 6°10 | 6°35 | 8°20 | 13°23 | T 6 |
| W 7 | 1 3 42 | 14° 7'24 | 9♐38 | 26°19 | 25° 7 | 6°46 | 28°19 | 19°47 | 18°44 | 23°35 | 15°45 | 6° 6 | 6°32 | 8°26 | 13°20 | W 7 |
| T 8 | 1 7 38 | 15° 6'05 | 24° 1 | 27°25 | 25°41 | 7°25 | 28°27 | 19°55 | 18°43 | 23°36 | 15°46 | 6° 4 | 6°29 | 8°33 | 13°18 | T 8 |
| F 9 | 1 11 35 | 16° 4'48 | 8♑10 | 28°38 | 26°14 | 8° 3 | 28°34 | 20° 2 | 18°43 | 23°38 | 15°48 | 6° 3 | 6°25 | 8°40 | 13°15 | F 9 |
| S 10 | 1 15 32 | 17° 3'32 | 22° 4 | 29°56 | 26°45 | 8°41 | 28°41 | 20° 9 | 18°42 | 23°40 | 15°50 | 6° 3 | 6°22 | 8°46 | 13°13 | S 10 |
| S 11 | 1 19 28 | 18° 2'18 | 5♒43 | 1♎20 | 27°15 | 9°20 | 28°48 | 20°16 | 18°41 | 23°42 | 15°52 | 6° 2 | 6°19 | 8°53 | 13°11 | S 11 |
| M12 | 1 23 25 | 19° 1'05 | 19° 8 | 2°48 | 27°44 | 9°58 | 28°54 | 20°23 | 18°40 | 23°44 | 15°53 | 5°59 | 6°16 | 9° 0 | 13° 9 | M12 |
| T 13 | 1 27 21 | 19°59'54 | 2♓21 | 4°20 | 28°11 | 10°36 | 29° 1 | 20°30 | 18°39 | 23°46 | 15°55 | 5°54 | 6°13 | 9° 6 | 13° 6 | T 13 |
| W14 | 1 31 18 | 20°58'45 | 15°21 | 5°56 | 28°36 | 11°15 | 29° 7 | 20°37 | 18°38 | 23°48 | 15°57 | 5°45 | 6° 9 | 9°13 | 13° 4 | W14 |
| T 15 | 1 35 14 | 21°57'38 | 28°10 | 7°34 | 29° 0 | 11°53 | 29°14 | 20°44 | 18°37 | 23°50 | 15°59 | 5°34 | 6° 6 | 9°20 | 13° 2 | T 15 |
| F 16 | 1 39 11 | 22°56'32 | 10♈48 | 9°14 | 29°22 | 12°32 | 29°20 | 20°51 | 18°36 | 23°52 | 16° 0 | 5°22 | 6° 3 | 9°26 | 13° 0 | F 16 |
| S 17 | 1 43 7 | 23°55'28 | 23°14 | 10°57 | 29°42 | 13°10 | 29°26 | 20°58 | 18°35 | 23°54 | 16° 2 | 5° 9 | 6° 0 | 9°33 | 12°58 | S 17 |
| S 18 | 1 47 4 | 24°54'27 | 5♉29 | 12°40 | 0♐ 0 | 13°49 | 29°32 | 21° 4 | 18°34 | 23°56 | 16° 4 | 4°57 | 5°57 | 9°39 | 12°56 | S 18 |
| M19 | 1 51 1 | 25°53'27 | 17°34 | 14°25 | 0°16 | 14°27 | 29°37 | 21°11 | 18°33 | 23°58 | 16° 5 | 4°46 | 5°54 | 9°46 | 12°54 | M19 |
| T 20 | 1 54 57 | 26°52'30 | 29°31 | 16°11 | 0°31 | 15° 6 | 29°43 | 21°18 | 18°32 | 24° 0 | 16° 7 | 4°39 | 5°50 | 9°53 | 12°52 | T 20 |
| W21 | 1 58 54 | 27°51'34 | 11♊21 | 17°57 | 0°43 | 15°44 | 29°48 | 21°24 | 18°30 | 24° 2 | 16° 8 | 4°33 | 5°47 | 9°59 | 12°50 | W21 |
| T 22 | 2 2 50 | 28°50'41 | 23° 7 | 19°43 | 0°53 | 16°23 | 29°53 | 21°31 | 18°29 | 24° 4 | 16°10 | 4°31 | 5°44 | 10° 6 | 12°49 | T 22 |
| F 23 | 2 6 47 | 29°49'50 | 4♋55 | 21°29 | 1° 1 | 17° 1 | 29°58 | 21°38 | 18°28 | 24° 6 | 16°11 | 4°D30 | 5°41 | 10°13 | 12°47 | F 23 |
| S 24 | 2 10 43 | 0♏49'01 | 16°49 | 23°16 | 1° 7 | 17°40 | 0♌ 3 | 21°44 | 18°26 | 24° 8 | 16°13 | 4°30 | 5°38 | 10°19 | 12°45 | S 24 |
| S 25 | 2 14 40 | 1°48'15 | 28°53 | 25° 2 | 1°11 | 18°18 | 0° 8 | 21°51 | 18°25 | 24°10 | 16°14 | 4°R31 | 5°34 | 10°26 | 12°43 | S 25 |
| M26 | 2 18 36 | 2°47'31 | 11♌14 | 26°47 | 1°R12 | 18°57 | 0°12 | 21°57 | 18°23 | 24°12 | 16°16 | 4°31 | 5°31 | 10°33 | 12°42 | M26 |
| T 27 | 2 22 33 | 3°46'49 | 23°56 | 28°33 | 1°11 | 19°35 | 0°16 | 22° 3 | 18°22 | 24°14 | 16°17 | 4°29 | 5°28 | 10°39 | 12°40 | T 27 |
| W28 | 2 26 30 | 4°46'09 | 7♍ 4 | 0♏18 | 1° 7 | 20°14 | 0°20 | 22°10 | 18°20 | 24°16 | 16°19 | 4°24 | 5°25 | 10°46 | 12°39 | W28 |
| T 29 | 2 30 26 | 5°45'31 | 20°41 | 2° 2 | 1° 2 | 20°53 | 0°24 | 22°16 | 18°18 | 24°19 | 16°20 | 4°18 | 5°22 | 10°53 | 12°37 | T 29 |
| F 30 | 2 34 23 | 6°44'56 | 4♎46 | 3°46 | 0°53 | 21°31 | 0°28 | 22°22 | 18°17 | 24°21 | 16°22 | 4°10 | 5°19 | 10°59 | 12°36 | F 30 |
| S 31 | 2 38 19 | 7♏44'22 | 19♎17 | 5♏29 | 0♐43 | 22♎10 | 0♌32 | 22♍28 | 18♊15 | 24♏23 | 16♍23 | 4♋ 1 | 5♋15 | 11♊ 6 | 12♓35 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 3s16 | 11n 0 | 4n34 | 2n33 | 0s26 | 22s38 | 4s49 | 0s16 | 0n58 | 20n29 | 0s 4 | 5n45 | 1n34 | 22n48 | 0s 3 | 16s56 | 1n39 | 16n 2 | 11n16 | 23n 8 | 23n 8 | 19n 1 | 1s20 | 5n30 |
| F 2 | 3 39 | 5 51 | 4 56 | 2 43 | 0 9 | 22 55 | 4 55 | 0 32 | 0 58 | 20 27 | 0 4 | 5 43 | 1 35 | 22 48 | 0 3 | 16 57 | 1 38 | 16 1 | 11 16 | 23 8 | 23 9 | 19 3 | 1 22 | 5 29 |
| S 3 | 4 2 | 0 16 | 5 0 | 2 49 | 0n 8 | 23 12 | 5 2 | 0 47 | 0 58 | 20 26 | 0 4 | 5 40 | 1 35 | 22 48 | 0 3 | 16 57 | 1 38 | 16 1 | 11 16 | 23 9 | 23 9 | 19 5 | 1 23 | 5 29 |
| S 4 | 4 24 | 5s26 | 4 44 | 2 50 | 0 24 | 23 28 | 5 8 | 1 2 | 0 57 | 20 24 | 0 4 | 5 37 | 1 35 | 22 48 | 0 3 | 16 58 | 1 38 | 16 0 | 11 16 | 23 10 | 23 9 | 19 7 | 1 24 | 5 29 |
| M 5 | 4 47 | 10 53 | 4 10 | 2 46 | 0 38 | 23 43 | 5 14 | 1 18 | 0 57 | 20 23 | 0 4 | 5 34 | 1 35 | 22 48 | 0 3 | 16 58 | 1 38 | 16 0 | 11 17 | 23 10 | 23 9 | 19 8 | 1 25 | 5 29 |
| T 6 | 5 10 | 15 43 | 3 19 | 2 38 | 0 51 | 23 59 | 5 20 | 1 33 | 0 57 | 20 21 | 0 4 | 5 32 | 1 35 | 22 48 | 0 3 | 16 59 | 1 38 | 15 59 | 11 17 | 23 10 | 23 9 | 19 10 | 1 26 | 5 28 |
| W 7 | 5 33 | 19 33 | 2 15 | 2 25 | 1 3 | 24 13 | 5 26 | 1 48 | 0 57 | 20 20 | 0 4 | 5 29 | 1 35 | 22 48 | 0 3 | 16 59 | 1 38 | 15 59 | 11 17 | 23 11 | 23 9 | 19 12 | 1 27 | 5 28 |
| T 8 | 5 55 | 22 8 | 1 3 | 2 9 | 1 13 | 24 27 | 5 32 | 2 4 | 0 56 | 20 19 | 0 3 | 5 26 | 1 35 | 22 48 | 0 3 | 17 0 | 1 38 | 15 58 | 11 17 | 23 11 | 23 10 | 19 14 | 1 29 | 5 28 |
| F 9 | 6 18 | 23 15 | 0s11 | 1 48 | 1 23 | 24 41 | 5 38 | 2 19 | 0 56 | 20 17 | 0 3 | 5 24 | 1 35 | 22 48 | 0 3 | 17 0 | 1 38 | 15 58 | 11 17 | 23 11 | 23 10 | 19 16 | 1 30 | 5 28 |
| S 10 | 6 40 | 22 54 | 1 24 | 1 25 | 1 31 | 24 54 | 5 44 | 2 34 | 0 56 | 20 16 | 0 3 | 5 21 | 1 35 | 22 48 | 0 3 | 17 0 | 1 38 | 15 57 | 11 18 | 23 11 | 23 10 | 19 17 | 1 31 | 5 27 |
| S 11 | 7 2 | 21 10 | 2 30 | 0 58 | 1 37 | 25 6 | 5 49 | 2 50 | 0 55 | 20 15 | 0 3 | 5 18 | 1 36 | 22 48 | 0 3 | 17 1 | 1 38 | 15 57 | 11 18 | 23 11 | 23 10 | 19 19 | 1 32 | 5 27 |
| M12 | 7 25 | 18 17 | 3 27 | 0 28 | 1 43 | 25 18 | 5 55 | 3 5 | 0 55 | 20 13 | 0 3 | 5 16 | 1 36 | 22 48 | 0 3 | 17 1 | 1 38 | 15 56 | 11 18 | 23 11 | 23 10 | 19 21 | 1 33 | 5 27 |
| T 13 | 7 47 | 14 30 | 4 12 | 0s 4 | 1 47 | 25 30 | 6 0 | 3 20 | 0 55 | 20 12 | 0 3 | 5 13 | 1 36 | 22 48 | 0 3 | 17 2 | 1 38 | 15 56 | 11 18 | 23 11 | 23 10 | 19 23 | 1 34 | 5 27 |
| W14 | 8 9 | 10 5 | 4 43 | 0 39 | 1 51 | 25 40 | 6 5 | 3 35 | 0 55 | 20 11 | 0 3 | 5 10 | 1 36 | 22 47 | 0 2 | 17 2 | 1 38 | 15 55 | 11 19 | 23 12 | 23 10 | 19 24 | 1 35 | 5 26 |
| T 15 | 8 31 | 5 18 | 4 59 | 1 15 | 1 53 | 25 50 | 6 10 | 3 51 | 0 54 | 20 10 | 0 3 | 5 8 | 1 36 | 22 47 | 0 2 | 17 3 | 1 38 | 15 55 | 11 19 | 23 12 | 23 11 | 19 26 | 1 36 | 5 26 |
| F 16 | 8 53 | 0 21 | 5 0 | 1 54 | 1 54 | 26 0 | 6 14 | 4 6 | 0 54 | 20 9 | 0 3 | 5 5 | 1 36 | 22 47 | 0 2 | 17 3 | 1 38 | 15 55 | 11 19 | 23 12 | 23 11 | 19 28 | 1 37 | 5 26 |
| S 17 | 9 14 | 4n32 | 4 47 | 2 33 | 1 55 | 26 8 | 6 19 | 4 21 | 0 54 | 20 7 | 0 3 | 5 3 | 1 36 | 22 47 | 0 2 | 17 4 | 1 38 | 15 54 | 11 19 | 23 13 | 23 11 | 19 30 | 1 38 | 5 25 |
| S 18 | 9 36 | 9 11 | 4 20 | 3 14 | 1 54 | 26 17 | 6 23 | 4 36 | 0 53 | 20 6 | 0 2 | 5 0 | 1 37 | 22 47 | 0 2 | 17 5 | 1 38 | 15 54 | 11 20 | 23 13 | 23 11 | 19 32 | 1 39 | 5 25 |
| M19 | 9 57 | 13 25 | 3 42 | 3 55 | 1 53 | 26 24 | 6 27 | 4 51 | 0 53 | 20 5 | 0 2 | 4 58 | 1 37 | 22 47 | 0 2 | 17 5 | 1 38 | 15 53 | 11 20 | 23 14 | 23 11 | 19 33 | 1 40 | 5 25 |
| T 20 | 10 18 | 17 6 | 2 55 | 4 37 | 1 51 | 26 30 | 6 30 | 5 6 | 0 53 | 20 4 | 0 2 | 4 55 | 1 37 | 22 47 | 0 2 | 17 6 | 1 38 | 15 53 | 11 20 | 23 14 | 23 11 | 19 35 | 1 41 | 5 25 |
| W21 | 10 40 | 20 2 | 2 0 | 5 20 | 1 49 | 26 36 | 6 33 | 5 21 | 0 52 | 20 3 | 0 2 | 4 53 | 1 37 | 22 47 | 0 2 | 17 6 | 1 38 | 15 53 | 11 21 | 23 14 | 23 11 | 19 37 | 1 42 | 5 24 |
| T 22 | 11 0 | 22 8 | 1 0 | 6 2 | 1 46 | 26 41 | 6 36 | 5 36 | 0 52 | 20 2 | 0 2 | 4 50 | 1 37 | 22 47 | 0 2 | 17 7 | 1 38 | 15 52 | 11 21 | 23 14 | 23 12 | 19 39 | 1 43 | 5 24 |
| F 23 | 11 21 | 23 16 | 0n 2 | 6 45 | 1 42 | 26 45 | 6 39 | 5 51 | 0 52 | 20 1 | 0 2 | 4 48 | 1 37 | 22 47 | 0 2 | 17 7 | 1 38 | 15 52 | 11 21 | 23 14 | 23 12 | 19 40 | 1 44 | 5 24 |
| S 24 | 11 42 | 23 21 | 1 5 | 7 28 | 1 38 | 26 49 | 6 41 | 6 6 | 0 51 | 20 0 | 0 2 | 4 45 | 1 38 | 22 47 | 0 2 | 17 8 | 1 38 | 15 52 | 11 21 | 23 14 | 23 12 | 19 42 | 1 45 | 5 23 |
| S 25 | 12 2 | 22 21 | 2 7 | 8 11 | 1 34 | 26 51 | 6 43 | 6 21 | 0 51 | 19 59 | 0 2 | 4 43 | 1 38 | 22 46 | 0 2 | 17 8 | 1 38 | 15 51 | 11 22 | 23 14 | 23 12 | 19 44 | 1 46 | 5 23 |
| M26 | 12 23 | 20 15 | 3 3 | 8 53 | 1 29 | 26 53 | 6 44 | 6 36 | 0 51 | 19 59 | 0 2 | 4 41 | 1 38 | 22 46 | 0 2 | 17 9 | 1 38 | 15 51 | 11 22 | 23 14 | 23 12 | 19 45 | 1 47 | 5 23 |
| T 27 | 12 43 | 17 8 | 3 53 | 9 36 | 1 24 | 26 53 | 6 45 | 6 51 | 0 50 | 19 58 | 0 1 | 4 38 | 1 38 | 22 46 | 0 2 | 17 9 | 1 38 | 15 51 | 11 22 | 23 14 | 23 12 | 19 47 | 1 48 | 5 22 |
| W28 | 13 3 | 13 4 | 4 32 | 10 17 | 1 19 | 26 53 | 6 45 | 7 6 | 0 50 | 19 57 | 0 1 | 4 36 | 1 38 | 22 46 | 0 2 | 17 10 | 1 38 | 15 50 | 11 23 | 23 15 | 23 12 | 19 49 | 1 49 | 5 22 |
| T 29 | 13 22 | 8 14 | 4 57 | 10 59 | 1 13 | 26 51 | 6 45 | 7 20 | 0 50 | 19 56 | 0 1 | 4 34 | 1 38 | 22 46 | 0 2 | 17 10 | 1 38 | 15 50 | 11 23 | 23 15 | 23 12 | 19 51 | 1 50 | 5 22 |
| F 30 | 13 42 | 2 48 | 5 5 | 11 39 | 1 7 | 26 49 | 6 44 | 7 35 | 0 49 | 19 56 | 0 1 | 4 31 | 1 39 | 22 46 | 0 2 | 17 11 | 1 38 | 15 50 | 11 23 | 23 15 | 23 13 | 19 52 | 1 51 | 5 21 |
| S 31 | 14s 1 | 2s57 | 4n55 | 12s19 | 1n 1 | 26s45 | 6s43 | 7s50 | 0n49 | 19n55 | 0s 1 | 4n29 | 1n39 | 22n46 | 0s 2 | 17s11 | 1n38 | 15n50 | 11n24 | 23n15 | 23n13 | 19n54 | 1s51 | 5n21 |

Julian Day Number = 2798798.5, Delta T = 49m40s
Ecliptic obliquity = 23°18'57, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°02'54, Lahiri = 37°09'54


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# ASTRODIENST EPHEMERIS for the year 2950
# geocentric

## NOVEMBER 2950 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 42 16 | 8♏43'51 | 4♏ 8 | 7♏12 | 0°R30 | 22♎49 | 0♌35 | 22♍34 | 18°R13 | 24♏25 | 16♍24 | 3°R52 | 5♋12 | 11♊13 | 12°R33 | S 1 |
| M 2 | 2 46 12 | 9°43'22 | 19°11 | 8°54 | 0♐14 | 23°27 | 0°38 | 22°40 | 18♊11 | 24°27 | 16°26 | 3♋44 | 5° 9 | 11°19 | 12♓32 | M 2 |
| T 3 | 2 50 9 | 10°42'55 | 4♐15 | 10°35 | 29♏57 | 24° 6 | 0°41 | 22°46 | 18°10 | 24°29 | 16°27 | 3°39 | 5° 6 | 11°26 | 12°31 | T 3 |
| W 4 | 2 54 5 | 11°42'30 | 19°13 | 12°16 | 29°37 | 24°45 | 0°44 | 22°52 | 18° 8 | 24°32 | 16°28 | 3°36 | 5° 3 | 11°33 | 12°30 | W 4 |
| T 5 | 2 58 2 | 12°42'07 | 3♑56 | 13°56 | 29°15 | 25°23 | 0°47 | 22°58 | 18° 6 | 24°34 | 16°30 | 3°D35 | 5° 0 | 11°39 | 12°29 | T 5 |
| F 6 | 3 1 59 | 13°41'45 | 18°19 | 15°35 | 28°50 | 26° 2 | 0°49 | 23° 4 | 18° 4 | 24°36 | 16°31 | 3°36 | 4°56 | 11°46 | 12°28 | F 6 |
| S 7 | 3 5 55 | 14°41'25 | 2♒21 | 17°14 | 28°24 | 26°41 | 0°51 | 23°10 | 18° 2 | 24°38 | 16°32 | 3°37 | 4°53 | 11°53 | 12°27 | S 7 |
| S 8 | 3 9 52 | 15°41'06 | 16° 1 | 18°53 | 27°56 | 27°20 | 0°54 | 23°15 | 18° 0 | 24°40 | 16°33 | 3°R37 | 4°50 | 11°59 | 12°26 | S 8 |
| M 9 | 3 13 48 | 16°40'49 | 29°21 | 20°30 | 27°26 | 27°58 | 0°55 | 23°21 | 17°58 | 24°43 | 16°34 | 3°36 | 4°47 | 12° 6 | 12°25 | M 9 |
| T 10 | 3 17 45 | 17°40'34 | 12♓23 | 22° 8 | 26°54 | 28°37 | 0°57 | 23°26 | 17°56 | 24°45 | 16°36 | 3°34 | 4°44 | 12°13 | 12°24 | T 10 |
| W11 | 3 21 41 | 18°40'20 | 25° 9 | 23°44 | 26°21 | 29°16 | 0°59 | 23°32 | 17°54 | 24°47 | 16°37 | 3°29 | 4°40 | 12°19 | 12°24 | W11 |
| T 12 | 3 25 38 | 19°40'08 | 7♈42 | 25°20 | 25°47 | 29°55 | 1° 0 | 23°37 | 17°52 | 24°49 | 16°38 | 3°22 | 4°37 | 12°26 | 12°23 | T 12 |
| F 13 | 3 29 34 | 20°39'58 | 20° 3 | 26°56 | 25°12 | 0♏34 | 1° 1 | 23°42 | 17°50 | 24°52 | 16°39 | 3°14 | 4°34 | 12°33 | 12°22 | F 13 |
| S 14 | 3 33 31 | 21°39'50 | 2♉15 | 28°31 | 24°36 | 1°12 | 1° 2 | 23°48 | 17°48 | 24°54 | 16°40 | 3° 6 | 4°31 | 12°39 | 12°22 | S 14 |
| S 15 | 3 37 28 | 22°39'43 | 14°18 | 0♐ 6 | 23°59 | 1°51 | 1° 3 | 23°53 | 17°45 | 24°56 | 16°41 | 2°59 | 4°28 | 12°46 | 12°21 | S 15 |
| M16 | 3 41 24 | 23°39'38 | 26°15 | 1°40 | 23°22 | 2°30 | 1° 3 | 23°58 | 17°43 | 24°58 | 16°42 | 2°52 | 4°25 | 12°53 | 12°21 | M16 |
| T 17 | 3 45 21 | 24°39'35 | 8♊ 6 | 3°14 | 22°46 | 3° 9 | 1° 3 | 24° 3 | 17°41 | 25° 1 | 16°43 | 2°47 | 4°21 | 12°59 | 12°21 | T 17 |
| W18 | 3 49 17 | 25°39'34 | 19°54 | 4°47 | 22° 9 | 3°48 | 1°R 3 | 24° 8 | 17°39 | 25° 3 | 16°44 | 2°45 | 4°18 | 13° 6 | 12°20 | W18 |
| T 19 | 3 53 14 | 26°39'35 | 1♋41 | 6°20 | 21°33 | 4°27 | 1° 3 | 24°13 | 17°36 | 25° 5 | 16°45 | 2°D44 | 4°15 | 13°13 | 12°20 | T 19 |
| F 20 | 3 57 10 | 27°39'38 | 13°30 | 7°52 | 20°58 | 5° 6 | 1° 3 | 24°17 | 17°34 | 25° 7 | 16°46 | 2°44 | 4°12 | 13°19 | 12°20 | F 20 |
| S 21 | 4 1 7 | 28°39'43 | 25°25 | 9°24 | 20°24 | 5°45 | 1° 2 | 24°22 | 17°32 | 25°10 | 16°46 | 2°46 | 4° 9 | 13°26 | 12°20 | S 21 |
| S 22 | 4 5 3 | 29°39'50 | 7♌30 | 10°56 | 19°51 | 6°24 | 1° 2 | 24°27 | 17°29 | 25°12 | 16°47 | 2°48 | 4° 6 | 13°32 | 12°D20 | S 22 |
| M23 | 4 9 0 | 0♐39'59 | 19°49 | 12°27 | 19°19 | 7° 3 | 1° 1 | 24°31 | 17°27 | 25°14 | 16°48 | 2°49 | 4° 2 | 13°39 | 12°20 | M23 |
| T 24 | 4 12 57 | 1°40'09 | 2♍28 | 13°58 | 18°50 | 7°42 | 1° 0 | 24°36 | 17°25 | 25°16 | 16°49 | 2°R50 | 3°59 | 13°46 | 12°20 | T 24 |
| W25 | 4 16 53 | 2°40'22 | 15°29 | 15°29 | 18°21 | 8°21 | 0°58 | 24°40 | 17°22 | 25°18 | 16°50 | 2°49 | 3°56 | 13°52 | 12°20 | W25 |
| T 26 | 4 20 50 | 3°40'37 | 28°58 | 16°59 | 17°55 | 9° 0 | 0°57 | 24°44 | 17°20 | 25°21 | 16°50 | 2°47 | 3°53 | 13°59 | 12°20 | T 26 |
| F 27 | 4 24 46 | 4°40'54 | 12♎56 | 18°29 | 17°31 | 9°39 | 0°55 | 24°48 | 17°17 | 25°23 | 16°51 | 2°44 | 3°50 | 14° 6 | 12°21 | F 27 |
| S 28 | 4 28 43 | 5°41'12 | 27°21 | 19°58 | 17° 9 | 10°18 | 0°53 | 24°52 | 17°15 | 25°25 | 16°52 | 2°40 | 3°46 | 14°12 | 12°21 | S 28 |
| S 29 | 4 32 39 | 6°41'33 | 12♏10 | 21°28 | 16°49 | 10°57 | 0°51 | 24°56 | 17°13 | 25°27 | 16°52 | 2°36 | 3°43 | 14°19 | 12°21 | S 29 |
| M30 | 4 36 36 | 7♐41'55 | 27♏16 | 22♐56 | 16♏32 | 11♏36 | 0♌49 | 25♍ 0 | 17♊10 | 25♏30 | 16♍53 | 2♋32 | 3♋40 | 14♊26 | 12♓22 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s20 | 8s41 | 4n24 | 12s59 | 0n55 | 26s41 | 6s41 | 8s 4 | 0n49 | 19n54 | 0s 1 | 4n27 | 1n39 | 22n45 | 0s 2 | 17s12 | 1n38 | 15n50 | 11n24 | 23n16 | 23n13 | 19n56 | 1s52 | 5n21 |
| M 2 | 14 39 | 13 58 | 3 35 | 13 38 | 0 48 | 26 35 | 6 38 | 8 19 | 0 48 | 19 54 | 0 1 | 4 25 | 1 39 | 22 45 | 0 2 | 17 12 | 1 38 | 15 49 | 11 24 | 23 16 | 23 13 | 19 57 | 1 53 | 5 20 |
| T 3 | 14 58 | 18 25 | 2 31 | 14 15 | 0 42 | 26 28 | 6 35 | 8 33 | 0 48 | 19 53 | 0 1 | 4 23 | 1 39 | 22 45 | 0 2 | 17 13 | 1 38 | 15 49 | 11 25 | 23 16 | 23 13 | 19 59 | 1 54 | 5 20 |
| W 4 | 15 16 | 21 36 | 1 17 | 14 53 | 0 35 | 26 19 | 6 31 | 8 48 | 0 48 | 19 53 | 0 1 | 4 20 | 1 39 | 22 45 | 0 2 | 17 14 | 1 38 | 15 49 | 11 25 | 23 16 | 23 13 | 20 1 | 1 55 | 5 19 |
| T 5 | 15 34 | 23 17 | 0s 2 | 15 29 | 0 29 | 26 10 | 6 26 | 9 2 | 0 47 | 19 52 | 0 0 | 4 18 | 1 40 | 22 45 | 0 2 | 17 14 | 1 38 | 15 49 | 11 25 | 23 16 | 23 13 | 20 3 | 1 55 | 5 19 |
| F 6 | 15 52 | 23 22 | 1 19 | 16 5 | 0 22 | 25 59 | 6 21 | 9 16 | 0 47 | 19 52 | 0 0 | 4 16 | 1 40 | 22 45 | 0 2 | 17 15 | 1 38 | 15 49 | 11 26 | 23 16 | 23 13 | 20 4 | 1 56 | 5 19 |
| S 7 | 16 10 | 21 57 | 2 29 | 16 39 | 0 15 | 25 47 | 6 14 | 9 31 | 0 47 | 19 52 | 0 0 | 4 14 | 1 40 | 22 45 | 0 2 | 17 15 | 1 38 | 15 48 | 11 26 | 23 16 | 23 14 | 20 6 | 1 57 | 5 18 |
| S 8 | 16 27 | 19 16 | 3 29 | 17 13 | 0 8 | 25 34 | 6 7 | 9 45 | 0 46 | 19 51 | 0 0 | 4 12 | 1 40 | 22 44 | 0 2 | 17 16 | 1 38 | 15 48 | 11 26 | 23 16 | 23 14 | 20 8 | 1 57 | 5 18 |
| M 9 | 16 44 | 15 38 | 4 16 | 17 46 | 0 1 | 25 19 | 6 0 | 9 59 | 0 46 | 19 51 | 0 0 | 4 10 | 1 40 | 22 44 | 0 2 | 17 16 | 1 38 | 15 48 | 11 27 | 23 16 | 23 14 | 20 9 | 1 58 | 5 18 |
| T 10 | 17 1 | 11 19 | 4 48 | 18 18 | 0s 5 | 25 3 | 5 51 | 10 13 | 0 46 | 19 51 | 0n 0 | 4 8 | 1 41 | 22 44 | 0 2 | 17 17 | 1 38 | 15 48 | 11 27 | 23 16 | 23 14 | 20 11 | 1 59 | 5 17 |
| W11 | 17 17 | 6 36 | 5 6 | 18 49 | 0 12 | 24 47 | 5 42 | 10 27 | 0 45 | 19 50 | 0 0 | 4 6 | 1 41 | 22 44 | 0 2 | 17 17 | 1 38 | 15 48 | 11 28 | 23 16 | 23 14 | 20 13 | 1 59 | 5 17 |
| T 12 | 17 34 | 1 41 | 5 8 | 19 19 | 0 19 | 24 29 | 5 32 | 10 41 | 0 45 | 19 50 | 0 0 | 4 4 | 1 41 | 22 44 | 0 2 | 17 18 | 1 38 | 15 48 | 11 28 | 23 16 | 23 14 | 20 14 | 2 0 | 5 17 |
| F 13 | 17 50 | 3n14 | 4 56 | 19 47 | 0 26 | 24 10 | 5 21 | 10 55 | 0 44 | 19 50 | 0 0 | 4 2 | 1 41 | 22 43 | 0 2 | 17 18 | 1 38 | 15 48 | 11 28 | 23 17 | 23 14 | 20 16 | 2 0 | 5 16 |
| S 14 | 18 5 | 7 57 | 4 30 | 20 15 | 0 33 | 23 50 | 5 10 | 11 9 | 0 44 | 19 50 | 0 1 | 4 0 | 1 41 | 22 43 | 0 2 | 17 19 | 1 38 | 15 48 | 11 29 | 23 17 | 23 14 | 20 18 | 2 1 | 5 16 |
| S 15 | 18 21 | 12 20 | 3 53 | 20 42 | 0 39 | 23 29 | 4 58 | 11 22 | 0 44 | 19 50 | 0 1 | 3 59 | 1 42 | 22 43 | 0 2 | 17 19 | 1 38 | 15 48 | 11 29 | 23 17 | 23 14 | 20 19 | 2 1 | 5 15 |
| M16 | 18 36 | 16 12 | 3 5 | 21 8 | 0 46 | 23 7 | 4 46 | 11 36 | 0 43 | 19 50 | 0 1 | 3 57 | 1 42 | 22 43 | 0 2 | 17 20 | 1 38 | 15 48 | 11 29 | 23 17 | 23 15 | 20 21 | 2 2 | 5 15 |
| T 17 | 18 50 | 19 24 | 2 10 | 21 33 | 0 52 | 22 45 | 4 32 | 11 50 | 0 43 | 19 50 | 0 1 | 3 55 | 1 42 | 22 43 | 0 2 | 17 21 | 1 38 | 15 48 | 11 30 | 23 17 | 23 15 | 20 22 | 2 2 | 5 15 |
| W18 | 19 5 | 21 47 | 1 9 | 21 57 | 0 59 | 22 23 | 4 19 | 12 3 | 0 42 | 19 50 | 0 1 | 3 53 | 1 42 | 22 43 | 0 2 | 17 21 | 1 38 | 15 48 | 11 30 | 23 17 | 23 15 | 20 24 | 2 3 | 5 14 |
| T 19 | 19 19 | 23 13 | 0 6 | 22 19 | 1 5 | 22 0 | 4 5 | 12 17 | 0 42 | 19 50 | 0 1 | 3 51 | 1 43 | 22 42 | 0 2 | 17 22 | 1 38 | 15 48 | 11 31 | 23 17 | 23 15 | 20 26 | 2 3 | 5 14 |
| F 20 | 19 32 | 23 36 | 0n59 | 22 41 | 1 11 | 21 36 | 3 50 | 12 30 | 0 42 | 19 51 | 0 1 | 3 50 | 1 43 | 22 42 | 0 2 | 17 22 | 1 38 | 15 48 | 11 31 | 23 17 | 23 15 | 20 27 | 2 4 | 5 13 |
| S 21 | 19 46 | 22 56 | 2 1 | 23 1 | 1 17 | 21 13 | 3 35 | 12 43 | 0 41 | 19 51 | 0 1 | 3 48 | 1 43 | 22 42 | 0 2 | 17 23 | 1 38 | 15 48 | 11 31 | 23 17 | 23 15 | 20 29 | 2 4 | 5 13 |
| S 22 | 19 58 | 21 11 | 2 59 | 23 20 | 1 23 | 20 49 | 3 20 | 12 56 | 0 41 | 19 51 | 0 2 | 3 47 | 1 43 | 22 42 | 0 2 | 17 23 | 1 38 | 15 48 | 11 32 | 23 17 | 23 15 | 20 31 | 2 4 | 5 13 |
| M23 | 20 11 | 18 26 | 3 50 | 23 38 | 1 29 | 20 26 | 3 5 | 13 9 | 0 40 | 19 51 | 0 2 | 3 45 | 1 43 | 22 41 | 0 2 | 17 24 | 1 38 | 15 48 | 11 32 | 23 17 | 23 15 | 20 32 | 2 5 | 5 12 |
| T 24 | 20 23 | 14 46 | 4 31 | 23 55 | 1 34 | 20 3 | 2 50 | 13 22 | 0 40 | 19 52 | 0 2 | 3 43 | 1 44 | 22 41 | 0 2 | 17 24 | 1 38 | 15 48 | 11 32 | 23 17 | 23 15 | 20 34 | 2 5 | 5 12 |
| W25 | 20 35 | 10 18 | 5 0 | 24 11 | 1 39 | 19 41 | 2 34 | 13 35 | 0 40 | 19 52 | 0 2 | 3 42 | 1 44 | 22 41 | 0 2 | 17 25 | 1 38 | 15 48 | 11 33 | 23 17 | 23 15 | 20 35 | 2 5 | 5 12 |
| T 26 | 20 47 | 5 12 | 5 13 | 24 25 | 1 45 | 19 18 | 2 19 | 13 48 | 0 39 | 19 53 | 0 2 | 3 40 | 1 44 | 22 41 | 0 2 | 17 25 | 1 38 | 15 48 | 11 33 | 23 17 | 23 16 | 20 37 | 2 6 | 5 11 |
| F 27 | 20 58 | 0s20 | 5 9 | 24 38 | 1 50 | 18 57 | 2 4 | 14 1 | 0 39 | 19 53 | 0 2 | 3 39 | 1 44 | 22 41 | 0 2 | 17 26 | 1 38 | 15 48 | 11 34 | 23 17 | 23 16 | 20 39 | 2 6 | 5 11 |
| S 28 | 21 9 | 6 2 | 4 46 | 24 50 | 1 54 | 18 36 | 1 48 | 14 14 | 0 38 | 19 54 | 0 2 | 3 38 | 1 45 | 22 40 | 0 2 | 17 26 | 1 38 | 15 48 | 11 34 | 23 17 | 23 16 | 20 40 | 2 6 | 5 10 |
| S 29 | 21 19 | 11 33 | 4 3 | 25 1 | 1 59 | 18 16 | 1 33 | 14 26 | 0 38 | 19 54 | 0 3 | 3 36 | 1 45 | 22 40 | 0 2 | 17 27 | 1 38 | 15 48 | 11 35 | 23 17 | 23 16 | 20 42 | 2 6 | 5 10 |
| M30 | 21s29 | 16s30 | 3n 2 | 25s11 | 2s 3 | 17s57 | 1s18 | 14s39 | 0n38 | 19n55 | 0n 3 | 3n35 | 1n45 | 22n40 | 0s 2 | 17s27 | 1n38 | 15n48 | 11n35 | 23n17 | 23n16 | 20n43 | 2s 7 | 5n10 |

Julian Day Number = 2798829.5, Delta T = 49m40s
Ecliptic obliquity = 23°18'57, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°02'58, Lahiri = 37°09'59


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# ASTRODIENST EPHEMERIS for the year 2950
# geocentric

## DECEMBER 2950 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 40 32 | 8♐42'20 | 12♐31 | 24♐24 | 16°R17 | 12♏16 | 0°R46 | 25♍ 4 | 17°R 8 | 25♏32 | 16♍53 | 2°R30 | 3♋37 | 14♊32 | 12♓22 | T 1 |
| W 2 | 4 44 29 | 9°42'45 | 27°43 | 25°52 | 16♏ 4 | 12°55 | 0♌44 | 25° 8 | 17♊ 5 | 25°34 | 16°54 | 2°D29 | 3°34 | 14°39 | 12°23 | W 2 |
| T 3 | 4 48 26 | 10°43'13 | 12♑43 | 27°19 | 15°54 | 13°34 | 0°41 | 25°11 | 17° 3 | 25°36 | 16°54 | 2♋29 | 3°31 | 14°46 | 12°24 | T 3 |
| F 4 | 4 52 22 | 11°43'41 | 27°24 | 28°46 | 15°47 | 14°13 | 0°38 | 25°15 | 17° 0 | 25°38 | 16°55 | 2°30 | 3°27 | 14°52 | 12°24 | F 4 |
| S 5 | 4 56 19 | 12°44'11 | 11♒41 | 0♑12 | 15°42 | 14°52 | 0°35 | 25°18 | 16°58 | 25°41 | 16°55 | 2°32 | 3°24 | 14°59 | 12°25 | S 5 |
| S 6 | 5 0 15 | 13°44'42 | 25°32 | 1°38 | 15°39 | 15°32 | 0°31 | 25°22 | 16°55 | 25°43 | 16°56 | 2°33 | 3°21 | 15° 6 | 12°26 | S 6 |
| M 7 | 5 4 12 | 14°45'14 | 8♓58 | 3° 2 | 15°D39 | 16°11 | 0°27 | 25°25 | 16°53 | 25°45 | 16°56 | 2°R34 | 3°18 | 15°12 | 12°27 | M 7 |
| T 8 | 5 8 8 | 15°45'48 | 22° 0 | 4°26 | 15°41 | 16°50 | 0°24 | 25°28 | 16°50 | 25°47 | 16°57 | 2°34 | 3°15 | 15°19 | 12°28 | T 8 |
| W 9 | 5 12 5 | 16°46'22 | 4♈41 | 5°49 | 15°45 | 17°29 | 0°20 | 25°31 | 16°48 | 25°49 | 16°57 | 2°33 | 3°12 | 15°26 | 12°29 | W 9 |
| T 10 | 5 16 1 | 17°46'58 | 17° 6 | 7°11 | 15°52 | 18° 9 | 0°15 | 25°34 | 16°45 | 25°51 | 16°57 | 2°31 | 3° 8 | 15°32 | 12°30 | T 10 |
| F 11 | 5 19 58 | 18°47'34 | 29°17 | 8°31 | 16° 1 | 18°48 | 0°11 | 25°37 | 16°43 | 25°53 | 16°57 | 2°30 | 3° 5 | 15°39 | 12°31 | F 11 |
| S 12 | 5 23 55 | 19°48'12 | 11♉19 | 9°50 | 16°12 | 19°27 | 0° 6 | 25°40 | 16°40 | 25°55 | 16°58 | 2°27 | 3° 2 | 15°46 | 12°32 | S 12 |
| S 13 | 5 27 51 | 20°48'51 | 23°13 | 11° 8 | 16°26 | 20° 7 | 0° 2 | 25°42 | 16°38 | 25°58 | 16°58 | 2°26 | 2°59 | 15°52 | 12°33 | S 13 |
| M14 | 5 31 48 | 21°49'32 | 5♊ 3 | 12°23 | 16°41 | 20°46 | 29♋57 | 25°45 | 16°35 | 26° 0 | 16°58 | 2°24 | 2°56 | 15°59 | 12°35 | M14 |
| T 15 | 5 35 44 | 22°50'13 | 16°52 | 13°37 | 16°59 | 21°25 | 29°52 | 25°47 | 16°33 | 26° 2 | 16°58 | 2°23 | 2°52 | 16° 5 | 12°36 | T 15 |
| W16 | 5 39 41 | 23°50'56 | 28°40 | 14°48 | 17°19 | 22° 5 | 29°46 | 25°50 | 16°30 | 26° 4 | 16°58 | 2°D23 | 2°49 | 16°12 | 12°37 | W16 |
| T 17 | 5 43 37 | 24°51'40 | 10♋31 | 15°57 | 17°40 | 22°44 | 29°41 | 25°52 | 16°28 | 26° 6 | 16°58 | 2°23 | 2°46 | 16°19 | 12°39 | T 17 |
| F 18 | 5 47 34 | 25°52'25 | 22°26 | 17° 2 | 18° 4 | 23°24 | 29°36 | 25°54 | 16°25 | 26° 8 | 16°58 | 2°23 | 2°43 | 16°25 | 12°41 | F 18 |
| S 19 | 5 51 30 | 26°53'11 | 4♌29 | 18° 3 | 18°29 | 24° 3 | 29°30 | 25°56 | 16°23 | 26°10 | 16°R58 | 2°24 | 2°40 | 16°32 | 12°42 | S 19 |
| S 20 | 5 55 27 | 27°53'59 | 16°40 | 19° 0 | 18°56 | 24°43 | 29°24 | 25°58 | 16°20 | 26°12 | 16°58 | 2°24 | 2°37 | 16°39 | 12°44 | S 20 |
| M21 | 5 59 24 | 28°54'48 | 29° 5 | 19°53 | 19°25 | 25°22 | 29°18 | 26° 0 | 16°18 | 26°14 | 16°58 | 2°25 | 2°33 | 16°45 | 12°45 | M21 |
| T 22 | 6 3 20 | 29°55'38 | 11♍45 | 20°40 | 19°55 | 26° 2 | 29°12 | 26° 1 | 16°15 | 26°16 | 16°58 | 2°25 | 2°30 | 16°52 | 12°47 | T 22 |
| W23 | 6 7 17 | 0♑56'30 | 24°44 | 21°21 | 20°27 | 26°41 | 29° 5 | 26° 3 | 16°13 | 26°18 | 16°58 | 2°25 | 2°27 | 16°59 | 12°49 | W23 |
| T 24 | 6 11 13 | 1°57'22 | 8♎ 4 | 21°55 | 21° 1 | 27°21 | 28°59 | 26° 5 | 16°11 | 26°19 | 16°58 | 2°25 | 2°24 | 17° 5 | 12°51 | T 24 |
| F 25 | 6 15 10 | 2°58'16 | 21°49 | 22°20 | 21°36 | 28° 0 | 28°52 | 26° 6 | 16° 8 | 26°21 | 16°58 | 2°25 | 2°21 | 17°12 | 12°53 | F 25 |
| S 26 | 6 19 6 | 3°59'12 | 5♏58 | 22°38 | 22°12 | 28°40 | 28°46 | 26° 7 | 16° 6 | 26°23 | 16°58 | 2°25 | 2°18 | 17°19 | 12°55 | S 26 |
| S 27 | 6 23 3 | 5° 0'08 | 20°31 | 22°R45 | 22°50 | 29°20 | 28°39 | 26° 8 | 16° 3 | 26°25 | 16°57 | 2°26 | 2°14 | 17°25 | 12°57 | S 27 |
| M28 | 6 27 0 | 6° 1'06 | 5♐23 | 22°43 | 23°29 | 29°59 | 28°32 | 26° 9 | 16° 1 | 26°27 | 16°57 | 2°26 | 2°11 | 17°32 | 12°59 | M28 |
| T 29 | 6 30 56 | 7° 2'05 | 20°28 | 22°29 | 24° 9 | 0♐39 | 28°25 | 26°10 | 15°59 | 26°29 | 16°57 | 2°26 | 2° 8 | 17°39 | 13° 1 | T 29 |
| W30 | 6 34 53 | 8° 3'04 | 5♑37 | 22° 4 | 24°50 | 1°19 | 28°18 | 26°11 | 15°57 | 26°31 | 16°56 | 2°R26 | 2° 5 | 17°45 | 13° 3 | W30 |
| T 31 | 6 38 49 | 9♑ 4'05 | 20♑41 | 21♑27 | 25♏33 | 1♐58 | 28♋11 | 26♍12 | 15♊54 | 26♏32 | 16♍56 | 2♋26 | 2♋ 2 | 17♊52 | 13♓ 5 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat |
| T 1 | 21s38 | 20s24 | 1n48 | 25s19 | 2s 7 | 17s38 | 1s 4 | 14s51 | 0n37 | 19n56 | 0n 3 | 3n34 | 1n45 | 22n40 | 0s 2 | 17s28 | 1n38 | 15n49 | 11n35 | 23n18 | 23n16 | 20n45 | 2s 7 | 5n 9 |
| W 2 | 21 48 | 22 51 | 0 26 | 25 26 | 2 11 | 17 21 | 0 49 | 15 3 | 0 37 | 19 56 | 0 3 | 3 32 | 1 45 | 22 39 | 0 2 | 17 28 | 1 38 | 15 49 | 11 36 | 23 18 | 23 16 | 20 47 | 2 7 | 5 9 |
| T 3 | 21 56 | 23 39 | 0s56 | 25 32 | 2 14 | 17 5 | 0 35 | 15 15 | 0 36 | 19 57 | 0 3 | 3 31 | 1 46 | 22 39 | 0 2 | 17 29 | 1 38 | 15 49 | 11 36 | 23 18 | 23 16 | 20 48 | 2 7 | 5 8 |
| F 4 | 22 5 | 22 45 | 2 13 | 25 36 | 2 17 | 16 49 | 0 22 | 15 27 | 0 36 | 19 58 | 0 3 | 3 30 | 1 46 | 22 39 | 0 2 | 17 29 | 1 38 | 15 49 | 11 37 | 23 18 | 23 16 | 20 50 | 2 7 | 5 8 |
| S 5 | 22 12 | 20 24 | 3 20 | 25 39 | 2 20 | 16 35 | 0 8 | 15 39 | 0 35 | 19 59 | 0 3 | 3 29 | 1 46 | 22 39 | 0 2 | 17 30 | 1 38 | 15 49 | 11 37 | 23 18 | 23 16 | 20 51 | 2 7 | 5 8 |
| S 6 | 22 20 | 16 55 | 4 13 | 25 41 | 2 22 | 16 22 | 0n 5 | 15 51 | 0 35 | 20 0 | 0 3 | 3 28 | 1 46 | 22 39 | 0 2 | 17 30 | 1 38 | 15 49 | 11 37 | 23 17 | 23 16 | 20 53 | 2 7 | 5 7 |
| M 7 | 22 27 | 12 39 | 4 50 | 25 41 | 2 24 | 16 10 | 0 17 | 16 3 | 0 34 | 20 0 | 0 4 | 3 27 | 1 47 | 22 38 | 0 2 | 17 31 | 1 38 | 15 50 | 11 38 | 23 17 | 23 16 | 20 54 | 2 7 | 5 7 |
| T 8 | 22 34 | 7 56 | 5 11 | 25 41 | 2 26 | 15 59 | 0 30 | 16 14 | 0 34 | 20 1 | 0 4 | 3 26 | 1 47 | 22 38 | 0 2 | 17 31 | 1 38 | 15 50 | 11 38 | 23 17 | 23 17 | 20 56 | 2 7 | 5 7 |
| W 9 | 22 40 | 2 59 | 5 16 | 25 38 | 2 27 | 15 49 | 0 41 | 16 26 | 0 33 | 20 2 | 0 4 | 3 25 | 1 47 | 22 38 | 0 2 | 17 32 | 1 38 | 15 50 | 11 39 | 23 17 | 23 17 | 20 58 | 2 7 | 5 6 |
| T 10 | 22 45 | 1n58 | 5 6 | 25 35 | 2 28 | 15 40 | 0 53 | 16 37 | 0 33 | 20 3 | 0 4 | 3 24 | 1 47 | 22 38 | 0 2 | 17 32 | 1 38 | 15 51 | 11 39 | 23 18 | 23 17 | 20 59 | 2 7 | 5 6 |
| F 11 | 22 51 | 6 45 | 4 43 | 25 30 | 2 28 | 15 32 | 1 4 | 16 48 | 0 33 | 20 5 | 0 4 | 3 23 | 1 48 | 22 37 | 0 2 | 17 33 | 1 38 | 15 51 | 11 39 | 23 18 | 23 17 | 21 1 | 2 7 | 5 5 |
| S 12 | 22 56 | 11 14 | 4 7 | 25 24 | 2 28 | 15 25 | 1 14 | 16 59 | 0 32 | 20 6 | 0 4 | 3 22 | 1 48 | 22 37 | 0 2 | 17 33 | 1 38 | 15 51 | 11 40 | 23 18 | 23 17 | 21 2 | 2 7 | 5 5 |
| S 13 | 23 0 | 15 15 | 3 21 | 25 17 | 2 27 | 15 19 | 1 24 | 17 10 | 0 32 | 20 7 | 0 4 | 3 21 | 1 48 | 22 37 | 0 2 | 17 34 | 1 38 | 15 51 | 11 40 | 23 18 | 23 17 | 21 4 | 2 7 | 5 5 |
| M14 | 23 4 | 18 38 | 2 26 | 25 9 | 2 25 | 15 14 | 1 34 | 17 21 | 0 31 | 20 8 | 0 5 | 3 21 | 1 48 | 22 37 | 0 2 | 17 34 | 1 38 | 15 52 | 11 41 | 23 18 | 23 17 | 21 5 | 2 7 | 5 4 |
| T 15 | 23 7 | 21 15 | 1 25 | 25 0 | 2 23 | 15 10 | 1 44 | 17 32 | 0 31 | 20 9 | 0 5 | 3 20 | 1 49 | 22 36 | 0 2 | 17 35 | 1 38 | 15 52 | 11 41 | 23 18 | 23 17 | 21 7 | 2 7 | 5 4 |
| W16 | 23 10 | 22 58 | 0 21 | 24 49 | 2 20 | 15 7 | 1 52 | 17 43 | 0 30 | 20 10 | 0 5 | 3 19 | 1 49 | 22 36 | 0 2 | 17 35 | 1 38 | 15 52 | 11 42 | 23 18 | 23 17 | 21 8 | 2 6 | 5 4 |
| T 17 | 23 13 | 23 39 | 0n45 | 24 37 | 2 16 | 15 5 | 2 1 | 17 53 | 0 30 | 20 12 | 0 5 | 3 18 | 1 49 | 22 36 | 0 2 | 17 35 | 1 38 | 15 53 | 11 42 | 23 18 | 23 17 | 21 10 | 2 6 | 5 3 |
| F 18 | 23 15 | 23 15 | 1 49 | 24 25 | 2 11 | 15 3 | 2 9 | 18 3 | 0 29 | 20 13 | 0 5 | 3 18 | 1 50 | 22 36 | 0 2 | 17 36 | 1 38 | 15 53 | 11 42 | 23 18 | 23 17 | 21 11 | 2 6 | 5 3 |
| S 19 | 23 17 | 21 47 | 2 49 | 24 11 | 2 6 | 15 3 | 2 17 | 18 14 | 0 29 | 20 14 | 0 5 | 3 17 | 1 50 | 22 35 | 0 2 | 17 36 | 1 38 | 15 53 | 11 43 | 23 18 | 23 17 | 21 13 | 2 6 | 5 2 |
| S 20 | 23 18 | 19 17 | 3 42 | 23 57 | 1 59 | 15 3 | 2 24 | 18 24 | 0 28 | 20 16 | 0 5 | 3 17 | 1 50 | 22 35 | 0 2 | 17 37 | 1 38 | 15 54 | 11 43 | 23 18 | 23 17 | 21 14 | 2 5 | 5 2 |
| M21 | 23 19 | 15 53 | 4 26 | 23 42 | 1 52 | 15 4 | 2 31 | 18 34 | 0 28 | 20 17 | 0 6 | 3 16 | 1 50 | 22 35 | 0 2 | 17 37 | 1 38 | 15 54 | 11 44 | 23 18 | 23 17 | 21 16 | 2 5 | 5 2 |
| T 22 | 23 19 | 11 43 | 4 58 | 23 26 | 1 43 | 15 6 | 2 38 | 18 43 | 0 27 | 20 18 | 0 6 | 3 16 | 1 51 | 22 35 | 0 2 | 17 38 | 1 38 | 15 55 | 11 44 | 23 18 | 23 18 | 21 17 | 2 5 | 5 1 |
| W23 | 23 19 | 6 55 | 5 15 | 23 10 | 1 34 | 15 8 | 2 44 | 18 53 | 0 27 | 20 20 | 0 6 | 3 16 | 1 51 | 22 35 | 0 2 | 17 38 | 1 38 | 15 55 | 11 44 | 23 18 | 23 18 | 21 19 | 2 4 | 5 1 |
| T 24 | 23 18 | 1 40 | 5 17 | 22 54 | 1 23 | 15 11 | 2 50 | 19 3 | 0 26 | 20 21 | 0 6 | 3 15 | 1 51 | 22 34 | 0 2 | 17 38 | 1 38 | 15 56 | 11 45 | 23 18 | 23 18 | 21 20 | 2 4 | 5 1 |
| F 25 | 23 17 | 3s49 | 5 0 | 22 38 | 1 10 | 15 15 | 2 55 | 19 12 | 0 25 | 20 23 | 0 6 | 3 15 | 1 51 | 22 34 | 0 2 | 17 39 | 1 38 | 15 56 | 11 45 | 23 18 | 23 18 | 21 22 | 2 4 | 5 0 |
| S 26 | 23 15 | 9 16 | 4 25 | 22 22 | 0 57 | 15 19 | 3 1 | 19 21 | 0 25 | 20 24 | 0 6 | 3 15 | 1 52 | 22 34 | 0 2 | 17 39 | 1 38 | 15 56 | 11 46 | 23 18 | 23 18 | 21 23 | 2 3 | 5 0 |
| S 27 | 23 13 | 14 22 | 3 33 | 22 6 | 0 42 | 15 24 | 3 5 | 19 30 | 0 24 | 20 26 | 0 6 | 3 14 | 1 52 | 22 34 | 0 2 | 17 40 | 1 38 | 15 57 | 11 46 | 23 18 | 23 18 | 21 25 | 2 3 | 5 0 |
| M28 | 23 11 | 18 43 | 2 25 | 21 50 | 0 26 | 15 29 | 3 10 | 19 39 | 0 24 | 20 27 | 0 7 | 3 14 | 1 52 | 22 33 | 0 2 | 17 40 | 1 38 | 15 57 | 11 47 | 23 18 | 23 18 | 21 26 | 2 2 | 4 59 |
| T 29 | 23 8 | 21 52 | 1 6 | 21 36 | 0 9 | 15 34 | 3 14 | 19 48 | 0 23 | 20 29 | 0 7 | 3 14 | 1 52 | 22 33 | 0 2 | 17 40 | 1 38 | 15 58 | 11 47 | 23 18 | 23 18 | 21 28 | 2 2 | 4 59 |
| W30 | 23 4 | 23 29 | 0s18 | 21 22 | 0n10 | 15 40 | 3 18 | 19 57 | 0 23 | 20 30 | 0 7 | 3 14 | 1 53 | 22 33 | 0 2 | 17 41 | 1 38 | 15 58 | 11 47 | 23 18 | 23 18 | 21 29 | 2 1 | 4 59 |
| T 31 | 23s 0 | 23s23 | 1s40 | 21s 9 | 0n29 | 15s47 | 3n22 | 20s 5 | 0n22 | 20n32 | 0n 7 | 3n14 | 1n53 | 22n33 | 0s 2 | 17s41 | 1n38 | 15n59 | 11n48 | 23n18 | 23n18 | 21n30 | 2s 1 | 4n58 |

Julian Day Number = 2798859.5, Delta T = 49m41s
Ecliptic obliquity = 23°18'57, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°03'02, Lahiri = 37°10'03


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# ASTRODIENST EPHEMERIS for the year 2951
# geocentric

## JANUARY 2951 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 6 42 46 | 10♑ 5'06 | 5♒31 | 20°R39 | 26♏16 | 2♐38 | 28°R 3 | 26♍12 | 15°R52 | 26♏34 | 16°R56 | 2°R25 | 1♋58 | 17♊59 | 13♓ 8 | F 1 |
| S 2 | 6 46 42 | 11° 6'07 | 20° 1 | 19♑40 | 27° 1 | 3°18 | 27♋56 | 26°13 | 15♊50 | 26°36 | 16♍55 | 2♋24 | 1°55 | 18° 5 | 13°10 | S 2 |
| S 3 | 6 50 39 | 12° 7'09 | 4♓ 4 | 18°32 | 27°46 | 3°57 | 27°48 | 26°13 | 15°48 | 26°38 | 16°55 | 2°23 | 1°52 | 18°12 | 13°13 | S 3 |
| M 4 | 6 54 35 | 13° 8'11 | 17°40 | 17°17 | 28°33 | 4°37 | 27°41 | 26°14 | 15°45 | 26°39 | 16°54 | 2°22 | 1°49 | 18°18 | 13°15 | M 4 |
| T 5 | 6 58 32 | 14° 9'14 | 0♈50 | 15°57 | 29°20 | 5°17 | 27°33 | 26°14 | 15°43 | 26°41 | 16°54 | 2°21 | 1°46 | 18°25 | 13°17 | T 5 |
| W 6 | 7 2 29 | 15°10'17 | 13°35 | 14°34 | 0♐ 9 | 5°57 | 27°25 | 26°R14 | 15°41 | 26°43 | 16°53 | 2°D21 | 1°43 | 18°32 | 13°20 | W 6 |
| T 7 | 7 6 25 | 16°11'20 | 25°59 | 13°12 | 0°58 | 6°37 | 27°17 | 26°14 | 15°39 | 26°44 | 16°53 | 2°21 | 1°39 | 18°38 | 13°23 | T 7 |
| F 8 | 7 10 22 | 17°12'23 | 8♉ 8 | 11°53 | 1°48 | 7°16 | 27° 9 | 26°13 | 15°37 | 26°46 | 16°52 | 2°22 | 1°36 | 18°45 | 13°25 | F 8 |
| S 9 | 7 14 18 | 18°13'27 | 20° 5 | 10°39 | 2°39 | 7°56 | 27° 1 | 26°13 | 15°35 | 26°47 | 16°52 | 2°23 | 1°33 | 18°52 | 13°28 | S 9 |
| S 10 | 7 18 15 | 19°14'30 | 1♊55 | 9°33 | 3°30 | 8°36 | 26°54 | 26°13 | 15°33 | 26°49 | 16°51 | 2°25 | 1°30 | 18°58 | 13°31 | S 10 |
| M11 | 7 22 11 | 20°15'34 | 13°42 | 8°36 | 4°23 | 9°16 | 26°45 | 26°12 | 15°31 | 26°50 | 16°50 | 2°26 | 1°27 | 19° 5 | 13°33 | M11 |
| T 12 | 7 26 8 | 21°16'38 | 25°30 | 7°50 | 5°16 | 9°56 | 26°37 | 26°12 | 15°29 | 26°52 | 16°50 | 2°27 | 1°24 | 19°12 | 13°36 | T 12 |
| W13 | 7 30 4 | 22°17'43 | 7♋21 | 7°13 | 6° 9 | 10°36 | 26°29 | 26°11 | 15°27 | 26°53 | 16°49 | 2°R27 | 1°20 | 19°18 | 13°39 | W13 |
| T 14 | 7 34 1 | 23°18'47 | 19°19 | 6°47 | 7° 4 | 11°16 | 26°21 | 26°10 | 15°26 | 26°55 | 16°48 | 2°26 | 1°17 | 19°25 | 13°42 | T 14 |
| F 15 | 7 37 58 | 24°19'52 | 1♌26 | 6°32 | 7°59 | 11°56 | 26°13 | 26° 9 | 15°24 | 26°56 | 16°47 | 2°24 | 1°14 | 19°32 | 13°45 | F 15 |
| S 16 | 7 41 54 | 25°20'57 | 13°41 | 6°D26 | 8°55 | 12°36 | 26° 5 | 26° 8 | 15°22 | 26°58 | 16°46 | 2°21 | 1°11 | 19°38 | 13°48 | S 16 |
| S 17 | 7 45 51 | 26°22'02 | 26° 8 | 6°30 | 9°51 | 13°16 | 25°57 | 26° 7 | 15°20 | 26°59 | 16°46 | 2°17 | 1° 8 | 19°45 | 13°51 | S 17 |
| M18 | 7 49 47 | 27°23'07 | 8♍47 | 6°42 | 10°48 | 13°56 | 25°49 | 26° 6 | 15°19 | 27° 0 | 16°45 | 2°13 | 1° 4 | 19°52 | 13°54 | M18 |
| T 19 | 7 53 44 | 28°24'12 | 21°38 | 7° 2 | 11°45 | 14°36 | 25°41 | 26° 4 | 15°17 | 27° 2 | 16°44 | 2° 9 | 1° 1 | 19°58 | 13°57 | T 19 |
| W20 | 7 57 40 | 29°25'18 | 4♎45 | 7°29 | 12°43 | 15°16 | 25°33 | 26° 3 | 15°15 | 27° 3 | 16°43 | 2° 5 | 0°58 | 20° 5 | 14° 0 | W20 |
| T 21 | 8 1 37 | 0♒26'24 | 18° 6 | 8° 3 | 13°41 | 15°56 | 25°25 | 26° 1 | 15°14 | 27° 4 | 16°42 | 2° 3 | 0°55 | 20°12 | 14° 3 | T 21 |
| F 22 | 8 5 33 | 1°27'30 | 1♏44 | 8°43 | 14°40 | 16°36 | 25°16 | 25°59 | 15°12 | 27° 5 | 16°41 | 2°D 3 | 0°52 | 20°18 | 14° 7 | F 22 |
| S 23 | 8 9 30 | 2°28'37 | 15°40 | 9°27 | 15°40 | 17°16 | 25° 8 | 25°58 | 15°11 | 27° 7 | 16°40 | 2° 3 | 0°49 | 20°25 | 14°10 | S 23 |
| S 24 | 8 13 27 | 3°29'44 | 29°53 | 10°16 | 16°39 | 17°56 | 25° 0 | 25°56 | 15° 9 | 27° 8 | 16°39 | 2° 5 | 0°45 | 20°31 | 14°13 | S 24 |
| M25 | 8 17 23 | 4°30'51 | 14♐22 | 11°10 | 17°40 | 18°36 | 24°53 | 25°54 | 15° 8 | 27° 9 | 16°38 | 2° 6 | 0°42 | 20°38 | 14°16 | M25 |
| T 26 | 8 21 20 | 5°31'58 | 29° 3 | 12° 7 | 18°40 | 19°16 | 24°45 | 25°52 | 15° 7 | 27°10 | 16°37 | 2°R 7 | 0°39 | 20°45 | 14°20 | T 26 |
| W27 | 8 25 16 | 6°33'05 | 13♑51 | 13° 7 | 19°41 | 19°57 | 24°37 | 25°49 | 15° 5 | 27°11 | 16°36 | 2° 7 | 0°36 | 20°51 | 14°23 | W27 |
| T 28 | 8 29 13 | 7°34'12 | 28°40 | 14°10 | 20°43 | 20°37 | 24°29 | 25°47 | 15° 4 | 27°12 | 16°35 | 2° 4 | 0°33 | 20°58 | 14°27 | T 28 |
| F 29 | 8 33 9 | 8°35'19 | 13♒23 | 15°16 | 21°45 | 21°17 | 24°21 | 25°45 | 15° 3 | 27°13 | 16°34 | 2° 0 | 0°30 | 21° 5 | 14°30 | F 29 |
| S 30 | 8 37 6 | 9°36'25 | 27°50 | 16°25 | 22°47 | 21°57 | 24°14 | 25°42 | 15° 2 | 27°14 | 16°33 | 1°55 | 0°26 | 21°11 | 14°34 | S 30 |
| S 31 | 8 41 3 | 10♒37'31 | 11♓57 | 17♑35 | 23♐50 | 22♐37 | 24♋ 6 | 25♍39 | 15♊ 0 | 27♏15 | 16♍31 | 1♋48 | 0♋23 | 21♊18 | 14♓37 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s56 | 21s36 | 2s54 | 20s56 | 0n49 | 15s53 | 3n25 | 20s13 | 0n22 | 20n34 | 0n 7 | 3n14 | 1n53 | 22n32 | 0s 2 | 17s41 | 1n38 | 15n59 | 11n48 | 23n18 | 23n18 | 21n32 | 2s 0 | 4n58 |
| S 2 | 22 51 | 18 27 | 3 55 | 20 45 | 1 8 | 16 0 | 3 28 | 20 22 | 0 21 | 20 35 | 0 7 | 3 14 | 1 54 | 22 32 | 0 2 | 17 42 | 1 38 | 16 0 | 11 49 | 23 18 | 23 18 | 21 33 | 2 0 | 4 58 |
| S 3 | 22 46 | 14 18 | 4 40 | 20 35 | 1 28 | 16 8 | 3 31 | 20 30 | 0 21 | 20 37 | 0 7 | 3 14 | 1 54 | 22 32 | 0 2 | 17 42 | 1 38 | 16 0 | 11 49 | 23 18 | 23 18 | 21 35 | 1 59 | 4 57 |
| M 4 | 22 40 | 9 34 | 5 7 | 20 26 | 1 47 | 16 15 | 3 34 | 20 38 | 0 20 | 20 39 | 0 8 | 3 14 | 1 54 | 22 32 | 0 2 | 17 43 | 1 39 | 16 1 | 11 49 | 23 18 | 23 18 | 21 36 | 1 58 | 4 57 |
| T 5 | 22 34 | 4 32 | 5 17 | 20 18 | 2 5 | 16 23 | 3 36 | 20 45 | 0 19 | 20 40 | 0 8 | 3 15 | 1 54 | 22 32 | 0 2 | 17 43 | 1 39 | 16 2 | 11 50 | 23 18 | 23 18 | 21 38 | 1 58 | 4 57 |
| W 6 | 22 27 | 0n33 | 5 11 | 20 12 | 2 21 | 16 31 | 3 38 | 20 53 | 0 19 | 20 42 | 0 8 | 3 15 | 1 55 | 22 31 | 0 2 | 17 43 | 1 39 | 16 2 | 11 50 | 23 18 | 23 18 | 21 39 | 1 57 | 4 56 |
| T 7 | 22 20 | 5 28 | 4 51 | 20 6 | 2 34 | 16 39 | 3 40 | 21 0 | 0 18 | 20 44 | 0 8 | 3 15 | 1 55 | 22 31 | 0 2 | 17 44 | 1 39 | 16 3 | 11 51 | 23 18 | 23 18 | 21 41 | 1 56 | 4 56 |
| F 8 | 22 13 | 10 4 | 4 18 | 20 2 | 2 46 | 16 48 | 3 42 | 21 7 | 0 18 | 20 45 | 0 8 | 3 15 | 1 55 | 22 31 | 0 2 | 17 44 | 1 39 | 16 3 | 11 51 | 23 18 | 23 18 | 21 42 | 1 56 | 4 56 |
| S 9 | 22 5 | 14 14 | 3 34 | 19 59 | 2 55 | 16 56 | 3 43 | 21 14 | 0 17 | 20 47 | 0 8 | 3 16 | 1 55 | 22 31 | 0 2 | 17 44 | 1 39 | 16 4 | 11 51 | 23 18 | 23 18 | 21 43 | 1 55 | 4 55 |
| S 10 | 21 57 | 17 48 | 2 41 | 19 57 | 3 2 | 17 4 | 3 44 | 21 21 | 0 16 | 20 49 | 0 8 | 3 16 | 1 56 | 22 31 | 0 2 | 17 44 | 1 39 | 16 4 | 11 52 | 23 18 | 23 18 | 21 45 | 1 54 | 4 55 |
| M11 | 21 48 | 20 38 | 1 42 | 19 57 | 3 6 | 17 13 | 3 45 | 21 28 | 0 16 | 20 50 | 0 9 | 3 17 | 1 56 | 22 30 | 0 2 | 17 45 | 1 39 | 16 5 | 11 52 | 23 18 | 23 18 | 21 46 | 1 53 | 4 55 |
| T 12 | 21 39 | 22 36 | 0 38 | 19 57 | 3 8 | 17 22 | 3 46 | 21 34 | 0 15 | 20 52 | 0 9 | 3 17 | 1 56 | 22 30 | 0 2 | 17 45 | 1 39 | 16 6 | 11 52 | 23 18 | 23 19 | 21 48 | 1 53 | 4 55 |
| W13 | 21 29 | 23 34 | 0n27 | 20 0 | 3 8 | 17 30 | 3 46 | 21 41 | 0 15 | 20 54 | 0 9 | 3 18 | 1 56 | 22 30 | 0 2 | 17 45 | 1 39 | 16 6 | 11 53 | 23 18 | 23 19 | 21 49 | 1 52 | 4 54 |
| T 14 | 21 19 | 23 27 | 1 32 | 20 3 | 3 6 | 17 39 | 3 47 | 21 47 | 0 14 | 20 55 | 0 9 | 3 18 | 1 57 | 22 30 | 0 2 | 17 46 | 1 39 | 16 7 | 11 53 | 23 18 | 23 19 | 21 50 | 1 51 | 4 54 |
| F 15 | 21 8 | 22 14 | 2 33 | 20 7 | 3 2 | 17 47 | 3 47 | 21 53 | 0 13 | 20 57 | 0 9 | 3 19 | 1 57 | 22 30 | 0 2 | 17 46 | 1 39 | 16 8 | 11 53 | 23 18 | 23 19 | 21 52 | 1 50 | 4 54 |
| S 16 | 20 57 | 19 57 | 3 28 | 20 12 | 2 58 | 17 56 | 3 47 | 21 59 | 0 13 | 20 59 | 0 9 | 3 19 | 1 57 | 22 29 | 0 2 | 17 46 | 1 39 | 16 8 | 11 54 | 23 18 | 23 19 | 21 53 | 1 49 | 4 53 |
| S 17 | 20 46 | 16 43 | 4 14 | 20 18 | 2 52 | 18 4 | 3 47 | 22 4 | 0 12 | 21 0 | 0 9 | 3 20 | 1 57 | 22 29 | 0 2 | 17 46 | 1 39 | 16 9 | 11 54 | 23 18 | 23 19 | 21 54 | 1 48 | 4 53 |
| M18 | 20 35 | 12 41 | 4 48 | 20 24 | 2 45 | 18 13 | 3 46 | 22 10 | 0 11 | 21 2 | 0 10 | 3 21 | 1 58 | 22 29 | 0 2 | 17 47 | 1 39 | 16 10 | 11 55 | 23 18 | 23 19 | 21 56 | 1 47 | 4 53 |
| T 19 | 20 22 | 8 2 | 5 9 | 20 31 | 2 37 | 18 21 | 3 46 | 22 15 | 0 11 | 21 3 | 0 10 | 3 22 | 1 58 | 22 29 | 0 2 | 17 47 | 1 39 | 16 10 | 11 55 | 23 18 | 23 19 | 21 57 | 1 46 | 4 53 |
| W20 | 20 10 | 2 56 | 5 14 | 20 38 | 2 29 | 18 29 | 3 45 | 22 20 | 0 10 | 21 5 | 0 10 | 3 23 | 1 58 | 22 29 | 0 2 | 17 47 | 1 39 | 16 11 | 11 55 | 23 18 | 23 19 | 21 59 | 1 46 | 4 52 |
| T 21 | 19 57 | 2s24 | 5 2 | 20 45 | 2 20 | 18 37 | 3 44 | 22 25 | 0 10 | 21 7 | 0 10 | 3 23 | 1 59 | 22 29 | 0 2 | 17 47 | 1 39 | 16 12 | 11 56 | 23 18 | 23 19 | 22 0 | 1 45 | 4 52 |
| F 22 | 19 44 | 7 45 | 4 33 | 20 51 | 2 11 | 18 45 | 3 43 | 22 30 | 0 9 | 21 8 | 0 10 | 3 24 | 1 59 | 22 28 | 0 2 | 17 48 | 1 39 | 16 12 | 11 56 | 23 18 | 23 19 | 22 1 | 1 44 | 4 52 |
| S 23 | 19 30 | 12 49 | 3 48 | 20 57 | 2 2 | 18 52 | 3 42 | 22 34 | 0 8 | 21 10 | 0 10 | 3 25 | 1 59 | 22 28 | 0 2 | 17 48 | 1 39 | 16 13 | 11 56 | 23 18 | 23 19 | 22 3 | 1 43 | 4 52 |
| S 24 | 19 16 | 17 17 | 2 48 | 21 3 | 1 52 | 19 0 | 3 40 | 22 39 | 0 8 | 21 11 | 0 10 | 3 26 | 1 59 | 22 28 | 0 2 | 17 48 | 1 39 | 16 14 | 11 57 | 23 18 | 23 19 | 22 4 | 1 42 | 4 51 |
| M25 | 19 2 | 20 49 | 1 36 | 21 9 | 1 43 | 19 7 | 3 39 | 22 43 | 0 7 | 21 13 | 0 10 | 3 27 | 2 0 | 22 28 | 0 2 | 17 48 | 1 40 | 16 14 | 11 57 | 23 18 | 23 19 | 22 5 | 1 41 | 4 51 |
| T 26 | 18 47 | 23 2 | 0 17 | 21 13 | 1 33 | 19 14 | 3 37 | 22 47 | 0 6 | 21 14 | 0 11 | 3 28 | 2 0 | 22 28 | 0 1 | 17 49 | 1 40 | 16 15 | 11 57 | 23 18 | 23 19 | 22 7 | 1 39 | 4 51 |
| W27 | 18 32 | 23 39 | 1s 4 | 21 17 | 1 23 | 19 20 | 3 35 | 22 51 | 0 5 | 21 16 | 0 11 | 3 29 | 2 0 | 22 28 | 0 1 | 17 49 | 1 40 | 16 16 | 11 58 | 23 18 | 23 19 | 22 8 | 1 38 | 4 51 |
| T 28 | 18 17 | 22 36 | 2 20 | 21 20 | 1 14 | 19 27 | 3 34 | 22 54 | 0 5 | 21 17 | 0 11 | 3 31 | 2 0 | 22 28 | 0 1 | 17 49 | 1 40 | 16 16 | 11 58 | 23 18 | 23 19 | 22 9 | 1 37 | 4 50 |
| F 29 | 18 1 | 20 1 | 3 26 | 21 23 | 1 4 | 19 33 | 3 31 | 22 58 | 0 4 | 21 19 | 0 11 | 3 32 | 2 0 | 22 27 | 0 1 | 17 49 | 1 40 | 16 17 | 11 58 | 23 18 | 23 19 | 22 11 | 1 36 | 4 50 |
| S 30 | 17 45 | 16 12 | 4 18 | 21 24 | 0 55 | 19 38 | 3 29 | 23 1 | 0 3 | 21 20 | 0 11 | 3 33 | 2 1 | 22 27 | 0 1 | 17 49 | 1 40 | 16 18 | 11 58 | 23 18 | 23 19 | 22 12 | 1 35 | 4 50 |
| S 31 | 17s29 | 11s33 | 4s52 | 21s25 | 0n46 | 19s44 | 3n27 | 23s 4 | 0n 3 | 21n22 | 0n11 | 3n34 | 2n 1 | 22n27 | 0s 1 | 17s49 | 1n40 | 16n19 | 11n59 | 23n18 | 23n19 | 22n13 | 1s34 | 4n50 |

Julian Day Number = 2798890.5, Delta T = 49m41s
Ecliptic obliquity = 23°18'57, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°03'07, Lahiri = 37°10'07


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# ASTRODIENST EPHEMERIS for the year 2951
# geocentric

## FEBRUARY 2951 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 8 44 59 | 11♒38'36 | 25♓39 | 18♑48 | 24♐52 | 23♐18 | 23°R59 | 25°R37 | 14°R59 | 27♏16 | 16°R30 | 1°R42 | 0♋20 | 21♊25 | 14♓41 | M 1 |
| T 2 | 8 48 56 | 12°39'40 | 8♈55 | 20° 2 | 25°56 | 23°58 | 23♋52 | 25♍34 | 14♊58 | 27°17 | 16♍29 | 1♋36 | 0°17 | 21°31 | 14°44 | T 2 |
| W 3 | 8 52 52 | 13°40'44 | 21°45 | 21°18 | 26°59 | 24°38 | 23°44 | 25°31 | 14°57 | 27°18 | 16°28 | 1°32 | 0°14 | 21°38 | 14°48 | W 3 |
| T 4 | 8 56 49 | 14°41'47 | 4♉14 | 22°35 | 28° 3 | 25°19 | 23°37 | 25°28 | 14°56 | 27°18 | 16°27 | 1°29 | 0°10 | 21°45 | 14°51 | T 4 |
| F 5 | 9 0 45 | 15°42'49 | 16°24 | 23°54 | 29° 7 | 25°59 | 23°30 | 25°25 | 14°55 | 27°19 | 16°25 | 1°D28 | 0° 7 | 21°51 | 14°55 | F 5 |
| S 6 | 9 4 42 | 16°43'50 | 28°21 | 25°14 | 0♑11 | 26°39 | 23°23 | 25°22 | 14°55 | 27°20 | 16°24 | 1°29 | 0° 4 | 21°58 | 14°59 | S 6 |
| S 7 | 9 8 38 | 17°44'51 | 10♊10 | 26°35 | 1°16 | 27°20 | 23°16 | 25°19 | 14°54 | 27°21 | 16°23 | 1°31 | 0° 1 | 22° 5 | 15° 2 | S 7 |
| M 8 | 9 12 35 | 18°45'50 | 21°57 | 27°57 | 2°21 | 28° 0 | 23°10 | 25°15 | 14°53 | 27°21 | 16°22 | 1°32 | 29♊58 | 22°11 | 15° 6 | M 8 |
| T 9 | 9 16 31 | 19°46'49 | 3♋46 | 29°20 | 3°26 | 28°40 | 23° 3 | 25°12 | 14°52 | 27°22 | 16°20 | 1°R32 | 29°55 | 22°18 | 15°10 | T 9 |
| W10 | 9 20 28 | 20°47'47 | 15°42 | 0♒44 | 4°31 | 29°21 | 22°57 | 25° 8 | 14°52 | 27°23 | 16°19 | 1°31 | 29°51 | 22°24 | 15°14 | W10 |
| T 11 | 9 24 25 | 21°48'44 | 27°48 | 2° 9 | 5°37 | 0♑ 1 | 22°51 | 25° 5 | 14°51 | 27°23 | 16°18 | 1°28 | 29°48 | 22°31 | 15°17 | T 11 |
| F 12 | 9 28 21 | 22°49'39 | 10♌ 6 | 3°35 | 6°43 | 0°42 | 22°44 | 25° 1 | 14°51 | 27°24 | 16°16 | 1°22 | 29°45 | 22°38 | 15°21 | F 12 |
| S 13 | 9 32 18 | 23°50'34 | 22°38 | 5° 2 | 7°49 | 1°22 | 22°38 | 24°58 | 14°50 | 27°24 | 16°15 | 1°14 | 29°42 | 22°44 | 15°25 | S 13 |
| S 14 | 9 36 14 | 24°51'28 | 5♍24 | 6°30 | 8°55 | 2° 3 | 22°33 | 24°54 | 14°50 | 27°25 | 16°13 | 1° 4 | 29°39 | 22°51 | 15°29 | S 14 |
| M15 | 9 40 11 | 25°52'22 | 18°25 | 7°58 | 10° 2 | 2°43 | 22°27 | 24°50 | 14°49 | 27°25 | 16°12 | 0°54 | 29°36 | 22°58 | 15°33 | M15 |
| T 16 | 9 44 7 | 26°53'14 | 1♎38 | 9°28 | 11° 9 | 3°24 | 22°21 | 24°46 | 14°49 | 27°25 | 16°11 | 0°44 | 29°32 | 23° 4 | 15°37 | T 16 |
| W17 | 9 48 4 | 27°54'05 | 15° 3 | 10°58 | 12°16 | 4° 4 | 22°16 | 24°42 | 14°49 | 27°26 | 16° 9 | 0°36 | 29°29 | 23°11 | 15°41 | W17 |
| T 18 | 9 52 0 | 28°54'56 | 28°39 | 12°28 | 13°23 | 4°45 | 22°11 | 24°38 | 14°49 | 27°26 | 16° 8 | 0°29 | 29°26 | 23°18 | 15°45 | T 18 |
| F 19 | 9 55 57 | 29°55'46 | 12♏24 | 14° 0 | 14°30 | 5°25 | 22° 6 | 24°34 | 14°48 | 27°27 | 16° 6 | 0°26 | 29°23 | 23°24 | 15°48 | F 19 |
| S 20 | 9 59 54 | 0♓56'36 | 26°17 | 15°32 | 15°38 | 6° 6 | 22° 1 | 24°30 | 14°48 | 27°27 | 16° 5 | 0°D24 | 29°20 | 23°31 | 15°52 | S 20 |
| S 21 | 10 3 50 | 1°57'24 | 10♐20 | 17° 6 | 16°45 | 6°46 | 21°56 | 24°25 | 14°48 | 27°27 | 16° 3 | 0°24 | 29°16 | 23°38 | 15°56 | S 21 |
| M22 | 10 7 47 | 2°58'12 | 24°30 | 18°39 | 17°53 | 7°27 | 21°52 | 24°21 | 14°D48 | 27°27 | 16° 2 | 0°R25 | 29°13 | 23°44 | 16° 0 | M22 |
| T 23 | 10 11 43 | 3°58'59 | 8♑47 | 20°14 | 19° 1 | 8° 8 | 21°47 | 24°17 | 14°48 | 27°27 | 16° 1 | 0°25 | 29°10 | 23°51 | 16° 4 | T 23 |
| W24 | 10 15 40 | 4°59'45 | 23° 9 | 21°50 | 20°10 | 8°48 | 21°43 | 24°12 | 14°48 | 27°28 | 15°59 | 0°23 | 29° 7 | 23°57 | 16° 8 | W24 |
| T 25 | 10 19 36 | 6° 0'30 | 7♒31 | 23°26 | 21°18 | 9°29 | 21°39 | 24° 8 | 14°49 | 27°28 | 15°58 | 0°18 | 29° 4 | 24° 4 | 16°12 | T 25 |
| F 26 | 10 23 33 | 7° 1'14 | 21°50 | 25° 3 | 22°26 | 10°10 | 21°35 | 24° 4 | 14°49 | 27°28 | 15°56 | 0°10 | 29° 1 | 24°11 | 16°16 | F 26 |
| S 27 | 10 27 29 | 8° 1'57 | 5♓59 | 26°41 | 23°35 | 10°50 | 21°32 | 23°59 | 14°49 | 27°R28 | 15°55 | 0° 0 | 28°57 | 24°17 | 16°20 | S 27 |
| S 28 | 10 31 26 | 9♓ 2'38 | 19♓53 | 28♒19 | 24♑44 | 11♑31 | 21♋28 | 23♍55 | 14♊49 | 27♏28 | 15♍53 | 29♊49 | 28♊54 | 24♊24 | 16♓24 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17s12 | 6s27 | 5s 9 | 21s24 | 0n36 | 19s49 | 3n25 | 23s 7 | 0n 2 | 21n23 | 0n11 | 3n35 | 2n 1 | 22n27 | 0s 1 | 17s50 | 1n40 | 16n19 | 11n59 | 23n18 | 23n19 | 22n14 | 1s33 | 4n49 |
| T 2 | 16 55 | 1 13 | 5 8 | 21 23 | 0 27 | 19 53 | 3 22 | 23 9 | 0 1 | 21 25 | 0 11 | 3 37 | 2 1 | 22 27 | 0 1 | 17 50 | 1 40 | 16 20 | 11 59 | 23 18 | 23 19 | 22 16 | 1 32 | 4 49 |
| W 3 | 16 38 | 3n55 | 4 51 | 21 20 | 0 19 | 19 57 | 3 20 | 23 12 | 0 1 | 21 26 | 0 12 | 3 38 | 2 2 | 22 27 | 0 1 | 17 50 | 1 40 | 16 21 | 12 0 | 23 18 | 23 19 | 22 17 | 1 31 | 4 49 |
| T 4 | 16 20 | 8 45 | 4 22 | 21 16 | 0 10 | 20 1 | 3 17 | 23 14 | 0s 0 | 21 27 | 0 12 | 3 39 | 2 2 | 22 27 | 0 1 | 17 50 | 1 40 | 16 21 | 12 0 | 23 18 | 23 19 | 22 18 | 1 29 | 4 49 |
| F 5 | 16 3 | 13 8 | 3 40 | 21 12 | 0 1 | 20 5 | 3 14 | 23 16 | 0 1 | 21 29 | 0 12 | 3 41 | 2 2 | 22 27 | 0 1 | 17 50 | 1 40 | 16 22 | 12 0 | 23 18 | 23 19 | 22 20 | 1 28 | 4 49 |
| S 6 | 15 44 | 16 55 | 2 50 | 21 6 | 0s 7 | 20 8 | 3 11 | 23 18 | 0 2 | 21 30 | 0 12 | 3 42 | 2 2 | 22 27 | 0 1 | 17 50 | 1 40 | 16 23 | 12 0 | 23 18 | 23 19 | 22 21 | 1 27 | 4 48 |
| S 7 | 15 26 | 20 0 | 1 53 | 20 59 | 0 15 | 20 10 | 3 8 | 23 20 | 0 2 | 21 31 | 0 12 | 3 44 | 2 3 | 22 27 | 0 1 | 17 50 | 1 40 | 16 24 | 12 1 | 23 18 | 23 19 | 22 22 | 1 26 | 4 48 |
| M 8 | 15 7 | 22 13 | 0 52 | 20 50 | 0 23 | 20 13 | 3 5 | 23 21 | 0 3 | 21 32 | 0 12 | 3 45 | 2 3 | 22 27 | 0 1 | 17 50 | 1 40 | 16 24 | 12 1 | 23 18 | 23 19 | 22 23 | 1 24 | 4 48 |
| T 9 | 14 48 | 23 28 | 0n12 | 20 41 | 0 30 | 20 14 | 3 2 | 23 22 | 0 4 | 21 34 | 0 12 | 3 47 | 2 3 | 22 26 | 0 1 | 17 50 | 1 40 | 16 25 | 12 1 | 23 18 | 23 19 | 22 25 | 1 23 | 4 48 |
| W10 | 14 29 | 23 39 | 1 16 | 20 30 | 0 38 | 20 16 | 2 59 | 23 24 | 0 5 | 21 35 | 0 12 | 3 48 | 2 3 | 22 26 | 0 1 | 17 51 | 1 40 | 16 26 | 12 1 | 23 18 | 23 19 | 22 26 | 1 22 | 4 48 |
| T 11 | 14 10 | 22 44 | 2 17 | 20 19 | 0 45 | 20 17 | 2 55 | 23 24 | 0 5 | 21 36 | 0 12 | 3 50 | 2 3 | 22 26 | 0 1 | 17 51 | 1 40 | 16 27 | 12 2 | 23 18 | 23 19 | 22 27 | 1 21 | 4 47 |
| F 12 | 13 50 | 20 43 | 3 12 | 20 6 | 0 52 | 20 17 | 2 52 | 23 25 | 0 6 | 21 37 | 0 13 | 3 52 | 2 4 | 22 26 | 0 1 | 17 51 | 1 40 | 16 27 | 12 2 | 23 19 | 23 19 | 22 28 | 1 19 | 4 47 |
| S 13 | 13 30 | 17 40 | 3 59 | 19 51 | 0 59 | 20 17 | 2 49 | 23 26 | 0 7 | 21 38 | 0 13 | 3 53 | 2 4 | 22 26 | 0 1 | 17 51 | 1 41 | 16 28 | 12 2 | 23 19 | 23 19 | 22 30 | 1 18 | 4 47 |
| S 14 | 13 10 | 13 45 | 4 36 | 19 36 | 1 5 | 20 16 | 2 45 | 23 26 | 0 8 | 21 39 | 0 13 | 3 55 | 2 4 | 22 26 | 0 1 | 17 51 | 1 41 | 16 29 | 12 2 | 23 19 | 23 19 | 22 31 | 1 17 | 4 47 |
| M15 | 12 50 | 9 8 | 4 58 | 19 20 | 1 11 | 20 15 | 2 41 | 23 26 | 0 9 | 21 40 | 0 13 | 3 57 | 2 4 | 22 26 | 0 1 | 17 51 | 1 41 | 16 30 | 12 2 | 23 19 | 23 19 | 22 32 | 1 15 | 4 47 |
| T 16 | 12 29 | 4 1 | 5 5 | 19 2 | 1 17 | 20 14 | 2 38 | 23 26 | 0 9 | 21 41 | 0 13 | 3 58 | 2 4 | 22 26 | 0 1 | 17 51 | 1 41 | 16 30 | 12 3 | 23 19 | 23 19 | 22 33 | 1 14 | 4 47 |
| W17 | 12 8 | 1s21 | 4 56 | 18 43 | 1 23 | 20 12 | 2 34 | 23 25 | 0 10 | 21 42 | 0 13 | 4 0 | 2 4 | 22 26 | 0 1 | 17 51 | 1 41 | 16 31 | 12 3 | 23 19 | 23 19 | 22 35 | 1 13 | 4 46 |
| T 18 | 11 47 | 6 44 | 4 30 | 18 23 | 1 28 | 20 9 | 2 30 | 23 25 | 0 11 | 21 43 | 0 13 | 4 2 | 2 5 | 22 26 | 0 1 | 17 51 | 1 41 | 16 32 | 12 3 | 23 19 | 23 19 | 22 36 | 1 11 | 4 46 |
| F 19 | 11 26 | 11 52 | 3 48 | 18 1 | 1 33 | 20 6 | 2 26 | 23 24 | 0 12 | 21 44 | 0 13 | 4 4 | 2 5 | 22 26 | 0 1 | 17 51 | 1 41 | 16 32 | 12 3 | 23 19 | 23 19 | 22 37 | 1 10 | 4 46 |
| S 20 | 11 5 | 16 26 | 2 52 | 17 39 | 1 38 | 20 3 | 2 23 | 23 23 | 0 13 | 21 45 | 0 13 | 4 5 | 2 5 | 22 26 | 0 1 | 17 51 | 1 41 | 16 33 | 12 3 | 23 19 | 23 19 | 22 38 | 1 9 | 4 46 |
| S 21 | 10 43 | 20 9 | 1 45 | 17 15 | 1 42 | 19 59 | 2 19 | 23 22 | 0 13 | 21 46 | 0 13 | 4 7 | 2 5 | 22 26 | 0 1 | 17 51 | 1 41 | 16 34 | 12 4 | 23 19 | 23 19 | 22 39 | 1 7 | 4 46 |
| M22 | 10 22 | 22 41 | 0 32 | 16 50 | 1 46 | 19 54 | 2 15 | 23 21 | 0 14 | 21 47 | 0 14 | 4 9 | 2 5 | 22 26 | 0 1 | 17 51 | 1 41 | 16 35 | 12 4 | 23 19 | 23 19 | 22 41 | 1 6 | 4 46 |
| T 23 | 10 0 | 23 46 | 0s45 | 16 24 | 1 50 | 19 49 | 2 11 | 23 19 | 0 15 | 21 47 | 0 14 | 4 11 | 2 5 | 22 26 | 0 1 | 17 51 | 1 41 | 16 35 | 12 4 | 23 19 | 23 19 | 22 42 | 1 4 | 4 46 |
| W24 | 9 38 | 23 17 | 1 58 | 15 57 | 1 53 | 19 43 | 2 7 | 23 18 | 0 16 | 21 48 | 0 14 | 4 13 | 2 6 | 22 26 | 0 1 | 17 51 | 1 41 | 16 36 | 12 4 | 23 19 | 23 19 | 22 43 | 1 3 | 4 46 |
| T 25 | 9 16 | 21 16 | 3 4 | 15 28 | 1 56 | 19 37 | 2 3 | 23 16 | 0 17 | 21 49 | 0 14 | 4 15 | 2 6 | 22 26 | 0 1 | 17 51 | 1 41 | 16 37 | 12 4 | 23 19 | 23 19 | 22 44 | 1 2 | 4 45 |
| F 26 | 8 53 | 17 55 | 3 58 | 14 59 | 1 59 | 19 30 | 1 59 | 23 13 | 0 18 | 21 49 | 0 14 | 4 17 | 2 6 | 22 26 | 0 1 | 17 51 | 1 41 | 16 37 | 12 4 | 23 19 | 23 19 | 22 45 | 1 0 | 4 45 |
| S 27 | 8 31 | 13 33 | 4 36 | 14 28 | 2 2 | 19 23 | 1 55 | 23 11 | 0 19 | 21 50 | 0 14 | 4 18 | 2 6 | 22 26 | 0 1 | 17 51 | 1 41 | 16 38 | 12 4 | 23 19 | 23 19 | 22 46 | 0 59 | 4 45 |
| S 28 | 8s 8 | 8s33 | 4s58 | 13s56 | 2s 4 | 19s15 | 1n50 | 23s 9 | 0s19 | 21n51 | 0n14 | 4n20 | 2n 6 | 22n26 | 0s 1 | 17s51 | 1n41 | 16n39 | 12n 4 | 23n19 | 23n19 | 22n48 | 0s57 | 4n45 |

Julian Day Number = 2798921.5, Delta T = 49m42s
Ecliptic obliquity = 23°18'58, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°03'11, Lahiri = 37°10'11


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# ASTRODIENST EPHEMERIS for the year 2951
# geocentric

## MARCH 2951 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 35 23 | 10♓ 3'18 | 3♈29 | 29♒59 | 25♉53 | 12♉12 | 21°R25 | 23°R50 | 14♊50 | 27°R28 | 15°R52 | 29°R37 | 28♊51 | 24♊31 | 16♓28 | M 1 |
| T 2 | 10 39 19 | 11° 3'57 | 16°42 | 1♓39 | 27° 2 | 12°52 | 21♋22 | 23♍45 | 14°50 | 27♏28 | 15♍50 | 29♊26 | 28°48 | 24°37 | 16°32 | T 2 |
| W 3 | 10 43 16 | 12° 4'34 | 29°33 | 3°20 | 28°11 | 13°33 | 21°19 | 23°41 | 14°51 | 27°28 | 15°49 | 29°16 | 28°45 | 24°44 | 16°36 | W 3 |
| T 4 | 10 47 12 | 13° 5'09 | 12♉ 3 | 5° 3 | 29°20 | 14°14 | 21°16 | 23°36 | 14°51 | 27°27 | 15°47 | 29°10 | 28°41 | 24°51 | 16°40 | T 4 |
| F 5 | 10 51 9 | 14° 5'43 | 24°15 | 6°46 | 0♒29 | 14°55 | 21°14 | 23°31 | 14°52 | 27°27 | 15°46 | 29° 6 | 28°38 | 24°57 | 16°44 | F 5 |
| S 6 | 10 55 5 | 15° 6'15 | 6♊13 | 8°29 | 1°39 | 15°35 | 21°11 | 23°26 | 14°52 | 27°27 | 15°44 | 29° 4 | 28°35 | 25° 4 | 16°49 | S 6 |
| S 7 | 10 59 2 | 16° 6'45 | 18° 3 | 10°14 | 2°48 | 16°16 | 21° 9 | 23°22 | 14°53 | 27°27 | 15°42 | 29°D 4 | 28°32 | 25°11 | 16°53 | S 7 |
| M 8 | 11 2 58 | 17° 7'14 | 29°51 | 12° 0 | 3°58 | 16°57 | 21° 7 | 23°17 | 14°54 | 27°27 | 15°41 | 29°R 4 | 28°29 | 25°17 | 16°57 | M 8 |
| T 9 | 11 6 55 | 18° 7'41 | 11♋41 | 13°47 | 5° 8 | 17°38 | 21° 6 | 23°12 | 14°55 | 27°26 | 15°39 | 29° 3 | 28°26 | 25°24 | 17° 1 | T 9 |
| W10 | 11 10 52 | 19° 8'06 | 23°39 | 15°34 | 6°18 | 18°19 | 21° 4 | 23° 7 | 14°55 | 27°26 | 15°38 | 29° 1 | 28°22 | 25°30 | 17° 5 | W10 |
| T 11 | 11 14 48 | 20° 8'29 | 5♌50 | 17°23 | 7°28 | 18°59 | 21° 3 | 23° 3 | 14°56 | 27°26 | 15°36 | 28°56 | 28°19 | 25°37 | 17° 9 | T 11 |
| F 12 | 11 18 45 | 21° 8'50 | 18°17 | 19°12 | 8°38 | 19°40 | 21° 2 | 22°58 | 14°57 | 27°25 | 15°35 | 28°48 | 28°16 | 25°44 | 17°13 | F 12 |
| S 13 | 11 22 41 | 22° 9'10 | 1♍ 3 | 21° 3 | 9°48 | 20°21 | 21° 1 | 22°53 | 14°58 | 27°25 | 15°33 | 28°38 | 28°13 | 25°50 | 17°17 | S 13 |
| S 14 | 11 26 38 | 23° 9'28 | 14° 8 | 22°54 | 10°58 | 21° 2 | 21° 0 | 22°48 | 14°59 | 27°24 | 15°32 | 28°26 | 28°10 | 25°57 | 17°21 | S 14 |
| M15 | 11 30 34 | 24° 9'44 | 27°31 | 24°46 | 12° 9 | 21°43 | 21° 0 | 22°43 | 15° 0 | 27°24 | 15°30 | 28°13 | 28° 7 | 26° 4 | 17°25 | M15 |
| T 16 | 11 34 31 | 25° 9'58 | 11♎10 | 26°39 | 13°19 | 22°24 | 20°59 | 22°38 | 15° 1 | 27°23 | 15°29 | 28° 0 | 28° 3 | 26°10 | 17°29 | T 16 |
| W17 | 11 38 27 | 26°10'11 | 25° 1 | 28°33 | 14°29 | 23° 5 | 20°D59 | 22°34 | 15° 3 | 27°23 | 15°27 | 27°49 | 28° 0 | 26°17 | 17°33 | W17 |
| T 18 | 11 42 24 | 27°10'22 | 9♏ 1 | 0♈28 | 15°40 | 23°45 | 20°59 | 22°29 | 15° 4 | 27°22 | 15°26 | 27°40 | 27°57 | 26°24 | 17°37 | T 18 |
| F 19 | 11 46 20 | 28°10'32 | 23° 5 | 2°23 | 16°51 | 24°26 | 21° 0 | 22°24 | 15° 5 | 27°21 | 15°24 | 27°35 | 27°54 | 26°30 | 17°41 | F 19 |
| S 20 | 11 50 17 | 29°10'40 | 7♐12 | 4°19 | 18° 1 | 25° 7 | 21° 0 | 22°19 | 15° 7 | 27°21 | 15°23 | 27°32 | 27°51 | 26°37 | 17°45 | S 20 |
| S 21 | 11 54 14 | 0♈10'47 | 21°18 | 6°15 | 19°12 | 25°48 | 21° 1 | 22°15 | 15° 8 | 27°20 | 15°21 | 27°31 | 27°47 | 26°44 | 17°49 | S 21 |
| M22 | 11 58 10 | 1°10'53 | 5♉23 | 8°11 | 20°23 | 26°29 | 21° 2 | 22°10 | 15° 9 | 27°19 | 15°20 | 27°31 | 27°44 | 26°50 | 17°53 | M22 |
| T 23 | 12 2 7 | 2°10'57 | 19°27 | 10° 8 | 21°34 | 27°10 | 21° 3 | 22° 5 | 15°11 | 27°19 | 15°19 | 27°30 | 27°41 | 26°57 | 17°57 | T 23 |
| W24 | 12 6 3 | 3°10'59 | 3♒28 | 12° 4 | 22°45 | 27°51 | 21° 4 | 22° 0 | 15°12 | 27°18 | 15°17 | 27°28 | 27°38 | 27° 3 | 18° 1 | W24 |
| T 25 | 12 10 0 | 4°11'00 | 17°25 | 14° 0 | 23°56 | 28°32 | 21° 6 | 21°56 | 15°14 | 27°17 | 15°16 | 27°22 | 27°35 | 27°10 | 18° 5 | T 25 |
| F 26 | 12 13 56 | 5°11'00 | 1♓17 | 15°55 | 25° 8 | 29°13 | 21° 7 | 21°51 | 15°16 | 27°16 | 15°14 | 27°14 | 27°32 | 27°17 | 18° 9 | F 26 |
| S 27 | 12 17 53 | 6°10'57 | 14°59 | 17°49 | 26°19 | 29°54 | 21° 9 | 21°46 | 15°17 | 27°15 | 15°13 | 27° 3 | 27°28 | 27°23 | 18°12 | S 27 |
| S 28 | 12 21 49 | 7°10'53 | 28°30 | 19°41 | 27°30 | 0♒35 | 21°11 | 21°42 | 15°19 | 27°15 | 15°11 | 26°51 | 27°25 | 27°30 | 18°16 | S 28 |
| M29 | 12 25 46 | 8°10'47 | 11♈47 | 21°32 | 28°41 | 1°16 | 21°13 | 21°37 | 15°21 | 27°14 | 15°10 | 26°38 | 27°22 | 27°37 | 18°20 | M29 |
| T 30 | 12 29 43 | 9°10'38 | 24°46 | 23°21 | 29°53 | 1°57 | 21°16 | 21°33 | 15°23 | 27°13 | 15° 9 | 26°26 | 27°19 | 27°43 | 18°24 | T 30 |
| W31 | 12 33 39 | 10♈10'28 | 7♉28 | 25♈ 7 | 1♓ 4 | 2♒38 | 21♋18 | 21♍28 | 15♊24 | 27♏12 | 15♍ 7 | 26♊15 | 27♊16 | 27♊50 | 18♓28 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7s46 | 3s14 | 5s 2 | 13s23 | 2s 5 | 19s 7 | 1n46 | 23s 6 | 0s20 | 21n51 | 0n14 | 4n22 | 2n 6 | 22n26 | 0s 1 | 17s51 | 1n41 | 16n40 | 12n 5 | 23n19 | 23n19 | 22n49 | 0s56 | 4n45 |
| T 2 | 7 23 | 2n 5 | 4 49 | 12 48 | 2 7 | 18 58 | 1 42 | 23 3 | 0 21 | 21 52 | 0 14 | 4 24 | 2 6 | 22 26 | 0 1 | 17 51 | 1 42 | 16 40 | 12 5 | 23 19 | 23 19 | 22 50 | 0 54 | 4 45 |
| W 3 | 7 0 | 7 10 | 4 22 | 12 13 | 2 8 | 18 49 | 1 38 | 23 0 | 0 22 | 21 52 | 0 14 | 4 26 | 2 7 | 22 26 | 0 1 | 17 51 | 1 42 | 16 41 | 12 5 | 23 19 | 23 19 | 22 51 | 0 53 | 4 45 |
| T 4 | 6 37 | 11 50 | 3 42 | 11 36 | 2 8 | 18 39 | 1 34 | 22 57 | 0 23 | 21 53 | 0 14 | 4 28 | 2 7 | 22 27 | 0 1 | 17 50 | 1 42 | 16 42 | 12 5 | 23 19 | 23 19 | 22 52 | 0 51 | 4 45 |
| F 5 | 6 14 | 15 56 | 2 54 | 10 58 | 2 8 | 18 29 | 1 30 | 22 53 | 0 24 | 21 53 | 0 15 | 4 30 | 2 7 | 22 27 | 0 1 | 17 50 | 1 42 | 16 42 | 12 5 | 23 19 | 23 19 | 22 53 | 0 50 | 4 45 |
| S 6 | 5 50 | 19 18 | 1 58 | 10 19 | 2 8 | 18 18 | 1 25 | 22 49 | 0 25 | 21 54 | 0 15 | 4 32 | 2 7 | 22 27 | 0 1 | 17 50 | 1 42 | 16 43 | 12 5 | 23 19 | 23 19 | 22 54 | 0 48 | 4 45 |
| S 7 | 5 27 | 21 49 | 0 58 | 9 39 | 2 7 | 18 7 | 1 21 | 22 45 | 0 26 | 21 54 | 0 15 | 4 34 | 2 7 | 22 27 | 0 1 | 17 50 | 1 42 | 16 44 | 12 5 | 23 19 | 23 18 | 22 56 | 0 47 | 4 45 |
| M 8 | 5 4 | 23 23 | 0n 4 | 8 58 | 2 6 | 17 55 | 1 17 | 22 41 | 0 27 | 21 55 | 0 15 | 4 36 | 2 7 | 22 27 | 0 1 | 17 50 | 1 42 | 16 44 | 12 5 | 23 19 | 23 18 | 22 57 | 0 45 | 4 44 |
| T 9 | 4 40 | 23 55 | 1 6 | 8 16 | 2 4 | 17 42 | 1 13 | 22 37 | 0 28 | 21 55 | 0 15 | 4 38 | 2 7 | 22 27 | 0 1 | 17 50 | 1 42 | 16 45 | 12 5 | 23 19 | 23 18 | 22 58 | 0 44 | 4 44 |
| W10 | 4 17 | 23 20 | 2 6 | 7 32 | 2 2 | 17 30 | 1 9 | 22 33 | 0 29 | 21 55 | 0 15 | 4 40 | 2 7 | 22 27 | 0 1 | 17 50 | 1 42 | 16 46 | 12 5 | 23 19 | 23 18 | 22 59 | 0 42 | 4 44 |
| T 11 | 3 53 | 21 39 | 3 2 | 6 48 | 2 0 | 17 16 | 1 5 | 22 28 | 0 30 | 21 56 | 0 15 | 4 42 | 2 7 | 22 27 | 0 1 | 17 50 | 1 42 | 16 46 | 12 5 | 23 19 | 23 18 | 23 0 | 0 41 | 4 44 |
| F 12 | 3 30 | 18 54 | 3 49 | 6 2 | 1 57 | 17 2 | 1 0 | 22 23 | 0 31 | 21 56 | 0 15 | 4 44 | 2 7 | 22 27 | 0 1 | 17 50 | 1 42 | 16 47 | 12 5 | 23 19 | 23 18 | 23 1 | 0 39 | 4 44 |
| S 13 | 3 6 | 15 12 | 4 27 | 5 16 | 1 53 | 16 48 | 0 56 | 22 18 | 0 31 | 21 56 | 0 15 | 4 46 | 2 8 | 22 27 | 0 1 | 17 49 | 1 42 | 16 48 | 12 5 | 23 19 | 23 18 | 23 2 | 0 38 | 4 44 |
| S 14 | 2 42 | 10 42 | 4 51 | 4 28 | 1 49 | 16 33 | 0 52 | 22 13 | 0 32 | 21 56 | 0 15 | 4 48 | 2 8 | 22 28 | 0 1 | 17 49 | 1 42 | 16 48 | 12 6 | 23 18 | 23 18 | 23 3 | 0 36 | 4 44 |
| M15 | 2 18 | 5 35 | 5 0 | 3 40 | 1 44 | 16 18 | 0 48 | 22 8 | 0 33 | 21 56 | 0 15 | 4 50 | 2 8 | 22 28 | 0 1 | 17 49 | 1 42 | 16 49 | 12 6 | 23 18 | 23 18 | 23 4 | 0 35 | 4 44 |
| T 16 | 1 55 | 0 6 | 4 52 | 2 50 | 1 39 | 16 2 | 0 44 | 22 2 | 0 34 | 21 56 | 0 15 | 4 52 | 2 8 | 22 28 | 0 1 | 17 49 | 1 42 | 16 49 | 12 6 | 23 18 | 23 18 | 23 6 | 0 33 | 4 44 |
| W17 | 1 31 | 5s29 | 4 28 | 2 0 | 1 33 | 15 46 | 0 40 | 21 56 | 0 35 | 21 57 | 0 15 | 4 54 | 2 8 | 22 28 | 0 1 | 17 49 | 1 42 | 16 50 | 12 6 | 23 18 | 23 18 | 23 7 | 0 32 | 4 44 |
| T 18 | 1 7 | 10 51 | 3 46 | 1 9 | 1 27 | 15 29 | 0 36 | 21 50 | 0 36 | 21 57 | 0 16 | 4 56 | 2 8 | 22 28 | 0 1 | 17 49 | 1 42 | 16 51 | 12 6 | 23 18 | 23 18 | 23 8 | 0 30 | 4 44 |
| F 19 | 0 43 | 15 41 | 2 51 | 0 17 | 1 20 | 15 12 | 0 32 | 21 44 | 0 37 | 21 57 | 0 16 | 4 58 | 2 8 | 22 28 | 0 1 | 17 48 | 1 42 | 16 51 | 12 6 | 23 18 | 23 18 | 23 9 | 0 29 | 4 44 |
| S 20 | 0 20 | 19 40 | 1 45 | 0n36 | 1 13 | 14 55 | 0 28 | 21 38 | 0 38 | 21 57 | 0 16 | 4 59 | 2 8 | 22 28 | 0 1 | 17 48 | 1 42 | 16 52 | 12 6 | 23 18 | 23 18 | 23 10 | 0 27 | 4 44 |
| S 21 | 0n 4 | 22 29 | 0 33 | 1 29 | 1 5 | 14 37 | 0 24 | 21 31 | 0 39 | 21 57 | 0 16 | 5 1 | 2 8 | 22 29 | 0 1 | 17 48 | 1 43 | 16 52 | 12 6 | 23 18 | 23 18 | 23 11 | 0 26 | 4 44 |
| M22 | 0 28 | 23 54 | 0s42 | 2 22 | 0 56 | 14 18 | 0 20 | 21 25 | 0 40 | 21 57 | 0 16 | 5 3 | 2 8 | 22 29 | 0 1 | 17 48 | 1 43 | 16 53 | 12 5 | 23 18 | 23 18 | 23 12 | 0 24 | 4 44 |
| T 23 | 0 52 | 23 47 | 1 53 | 3 16 | 0 47 | 13 59 | 0 16 | 21 18 | 0 41 | 21 56 | 0 16 | 5 5 | 2 8 | 22 29 | 0 1 | 17 48 | 1 43 | 16 53 | 12 5 | 23 18 | 23 18 | 23 13 | 0 23 | 4 44 |
| W24 | 1 16 | 22 10 | 2 58 | 4 11 | 0 37 | 13 40 | 0 12 | 21 11 | 0 43 | 21 56 | 0 16 | 5 7 | 2 8 | 22 29 | 0 1 | 17 47 | 1 43 | 16 54 | 12 5 | 23 18 | 23 18 | 23 14 | 0 21 | 4 44 |
| T 25 | 1 39 | 19 12 | 3 51 | 5 5 | 0 27 | 13 21 | 0 8 | 21 4 | 0 44 | 21 56 | 0 16 | 5 9 | 2 8 | 22 29 | 0 1 | 17 47 | 1 43 | 16 54 | 12 5 | 23 17 | 23 18 | 23 15 | 0 20 | 4 44 |
| F 26 | 2 3 | 15 11 | 4 31 | 5 59 | 0 16 | 13 1 | 0 4 | 20 56 | 0 45 | 21 56 | 0 16 | 5 11 | 2 8 | 22 29 | 0 1 | 17 47 | 1 43 | 16 55 | 12 5 | 23 17 | 23 18 | 23 16 | 0 18 | 4 44 |
| S 27 | 2 27 | 10 24 | 4 54 | 6 53 | 0 5 | 12 40 | 0 1 | 20 49 | 0 46 | 21 56 | 0 16 | 5 13 | 2 8 | 22 30 | 0 1 | 17 47 | 1 43 | 16 55 | 12 5 | 23 17 | 23 18 | 23 17 | 0 17 | 4 44 |
| S 28 | 2 50 | 5 11 | 5 0 | 7 46 | 0n 6 | 12 19 | 0s 3 | 20 41 | 0 47 | 21 55 | 0 16 | 5 14 | 2 8 | 22 30 | 0 1 | 17 46 | 1 43 | 16 56 | 12 5 | 23 17 | 23 17 | 23 18 | 0 15 | 4 44 |
| M29 | 3 14 | 0n11 | 4 50 | 8 38 | 0 18 | 11 58 | 0 7 | 20 33 | 0 48 | 21 55 | 0 16 | 5 16 | 2 8 | 22 30 | 0 1 | 17 46 | 1 43 | 16 56 | 12 5 | 23 16 | 23 17 | 23 19 | 0 14 | 4 44 |
| T 30 | 3 37 | 5 26 | 4 25 | 9 30 | 0 30 | 11 37 | 0 10 | 20 25 | 0 49 | 21 55 | 0 16 | 5 18 | 2 8 | 22 30 | 0 1 | 17 46 | 1 43 | 16 57 | 12 5 | 23 16 | 23 17 | 23 20 | 0 12 | 4 44 |
| W31 | 4n 1 | 10n21 | 3s47 | 10n20 | 0n43 | 11s15 | 0s14 | 20s17 | 0s50 | 21n55 | 0n16 | 5n20 | 2n 8 | 22n30 | 0s 1 | 17s46 | 1n43 | 16n57 | 12n 5 | 23n16 | 23n17 | 23n21 | 0s11 | 4n44 |

Julian Day Number = 2798949.5, Delta T = 49m42s
Ecliptic obliquity = 23°18'58, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°03'15, Lahiri = 37°10'15


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# ASTRODIENST EPHEMERIS for the year 2951
# geocentric

## APRIL 2951 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 37 36 | 11♈10'16 | 19♉53 | 26♈49 | 2♓16 | 3♒19 | 21♋21 | 21°R24 | 15♊26 | 27°R11 | 15°R 6 | 26°R 7 | 27♊13 | 27♊57 | 18♓32 | T 1 |
| F 2 | 12 41 32 | 12°10'02 | 2♊ 3 | 28°28 | 3°27 | 4° 0 | 21°24 | 21♍20 | 15°28 | 27♏10 | 15♍ 5 | 26♊ 2 | 27° 9 | 28° 3 | 18°35 | F 2 |
| S 3 | 12 45 29 | 13° 9'46 | 14° 1 | 0♉ 3 | 4°39 | 4°42 | 21°27 | 21°15 | 15°30 | 27° 9 | 15° 3 | 26° 0 | 27° 6 | 28°10 | 18°39 | S 3 |
| S 4 | 12 49 25 | 14° 9'28 | 25°51 | 1°33 | 5°50 | 5°23 | 21°31 | 21°11 | 15°32 | 27° 8 | 15° 2 | 25°D59 | 27° 3 | 28°17 | 18°43 | S 4 |
| M 5 | 12 53 22 | 15° 9'07 | 7♋38 | 2°58 | 7° 2 | 6° 4 | 21°34 | 21° 7 | 15°34 | 27° 6 | 15° 1 | 25°59 | 27° 0 | 28°23 | 18°47 | M 5 |
| T 6 | 12 57 18 | 16° 8'45 | 19°29 | 4°18 | 8°14 | 6°45 | 21°38 | 21° 3 | 15°36 | 27° 5 | 14°59 | 26°R 0 | 26°57 | 28°30 | 18°50 | T 6 |
| W 7 | 13 1 15 | 17° 8'20 | 1♌27 | 5°31 | 9°25 | 7°26 | 21°42 | 20°59 | 15°39 | 27° 4 | 14°58 | 25°58 | 26°53 | 28°37 | 18°54 | W 7 |
| T 8 | 13 5 12 | 18° 7'52 | 13°39 | 6°39 | 10°37 | 8° 7 | 21°46 | 20°55 | 15°41 | 27° 3 | 14°57 | 25°55 | 26°50 | 28°43 | 18°58 | T 8 |
| F 9 | 13 9 8 | 19° 7'23 | 26°10 | 7°40 | 11°49 | 8°48 | 21°50 | 20°51 | 15°43 | 27° 2 | 14°56 | 25°50 | 26°47 | 28°50 | 19° 1 | F 9 |
| S 10 | 13 13 5 | 20° 6'51 | 9♍ 2 | 8°34 | 13° 1 | 9°29 | 21°55 | 20°47 | 15°45 | 27° 1 | 14°55 | 25°42 | 26°44 | 28°56 | 19° 5 | S 10 |
| S 11 | 13 17 1 | 21° 6'17 | 22°17 | 9°20 | 14°13 | 10°10 | 21°59 | 20°43 | 15°48 | 26°59 | 14°53 | 25°32 | 26°41 | 29° 3 | 19° 8 | S 11 |
| M12 | 13 20 58 | 22° 5'41 | 5♎56 | 10° 0 | 15°25 | 10°51 | 22° 4 | 20°39 | 15°50 | 26°58 | 14°52 | 25°22 | 26°38 | 29°10 | 19°12 | M12 |
| T 13 | 13 24 54 | 23° 5'03 | 19°56 | 10°32 | 16°37 | 11°32 | 22° 9 | 20°35 | 15°52 | 26°57 | 14°51 | 25°11 | 26°34 | 29°16 | 19°15 | T 13 |
| W14 | 13 28 51 | 24° 4'23 | 4♏11 | 10°57 | 17°49 | 12°13 | 22°14 | 20°32 | 15°55 | 26°56 | 14°50 | 25° 2 | 26°31 | 29°23 | 19°19 | W14 |
| T 15 | 13 32 47 | 25° 3'41 | 18°38 | 11°14 | 19° 1 | 12°54 | 22°19 | 20°28 | 15°57 | 26°54 | 14°49 | 24°55 | 26°28 | 29°30 | 19°22 | T 15 |
| F 16 | 13 36 44 | 26° 2'57 | 3♐ 9 | 11°24 | 20°13 | 13°35 | 22°25 | 20°25 | 16° 0 | 26°53 | 14°48 | 24°51 | 26°25 | 29°36 | 19°26 | F 16 |
| S 17 | 13 40 41 | 27° 2'11 | 17°38 | 11°R27 | 21°25 | 14°16 | 22°30 | 20°21 | 16° 2 | 26°52 | 14°47 | 24°49 | 26°22 | 29°43 | 19°29 | S 17 |
| S 18 | 13 44 37 | 28° 1'24 | 2♑ 2 | 11°23 | 22°37 | 14°58 | 22°36 | 20°18 | 16° 5 | 26°50 | 14°46 | 24°D49 | 26°18 | 29°50 | 19°33 | S 18 |
| M19 | 13 48 34 | 29° 0'35 | 16°17 | 11°11 | 23°49 | 15°39 | 22°42 | 20°15 | 16° 7 | 26°49 | 14°45 | 24°50 | 26°15 | 29°56 | 19°36 | M19 |
| T 20 | 13 52 30 | 29°59'44 | 0♒21 | 10°54 | 25° 1 | 16°20 | 22°48 | 20°12 | 16°10 | 26°47 | 14°44 | 24°R50 | 26°12 | 0♋ 3 | 19°39 | T 20 |
| W21 | 13 56 27 | 0♉58'52 | 14°15 | 10°30 | 26°14 | 17° 1 | 22°54 | 20° 9 | 16°13 | 26°46 | 14°43 | 24°50 | 26° 9 | 0°10 | 19°42 | W21 |
| T 22 | 14 0 23 | 1°57'58 | 27°57 | 10° 1 | 27°26 | 17°42 | 23° 0 | 20° 6 | 16°15 | 26°45 | 14°42 | 24°47 | 26° 6 | 0°16 | 19°46 | T 22 |
| F 23 | 14 4 20 | 2°57'02 | 11♓27 | 9°28 | 28°38 | 18°23 | 23° 7 | 20° 3 | 16°18 | 26°43 | 14°41 | 24°42 | 26° 3 | 0°23 | 19°49 | F 23 |
| S 24 | 14 8 16 | 3°56'04 | 24°46 | 8°50 | 29°50 | 19° 4 | 23°14 | 20° 0 | 16°21 | 26°42 | 14°40 | 24°35 | 25°59 | 0°29 | 19°52 | S 24 |
| S 25 | 14 12 13 | 4°55'05 | 7♈52 | 8° 9 | 1♈ 3 | 19°45 | 23°20 | 19°57 | 16°24 | 26°40 | 14°39 | 24°26 | 25°56 | 0°36 | 19°55 | S 25 |
| M26 | 14 16 10 | 5°54'03 | 20°46 | 7°26 | 2°15 | 20°26 | 23°27 | 19°55 | 16°27 | 26°39 | 14°38 | 24°17 | 25°53 | 0°43 | 19°58 | M26 |
| T 27 | 14 20 6 | 6°53'00 | 3♉26 | 6°41 | 3°27 | 21° 7 | 23°34 | 19°52 | 16°29 | 26°37 | 14°37 | 24° 9 | 25°50 | 0°49 | 20° 1 | T 27 |
| W28 | 14 24 3 | 7°51'55 | 15°53 | 5°56 | 4°40 | 21°48 | 23°42 | 19°50 | 16°32 | 26°36 | 14°37 | 24° 2 | 25°47 | 0°56 | 20° 4 | W28 |
| T 29 | 14 27 59 | 8°50'48 | 28° 7 | 5°11 | 5°52 | 22°29 | 23°49 | 19°47 | 16°35 | 26°34 | 14°36 | 23°56 | 25°44 | 1° 3 | 20° 7 | T 29 |
| F 30 | 14 31 56 | 9♉49'39 | 10♊10 | 4♉27 | 7♈ 5 | 23♒10 | 23♋57 | 19♍45 | 16♊38 | 26♏33 | 14♍35 | 23♊53 | 25♊40 | 1♋ 9 | 20♓10 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4n24 | 14n45 | 2s59 | 11n 9 | 0n55 | 10s53 | 0s17 | 20s 8 | 0s51 | 21n54 | 0n16 | 5n21 | 2n 8 | 22n31 | 0s 1 | 17s45 | 1n43 | 16n58 | 12n 5 | 23n16 | 23n17 | 23n22 | 0s 9 | 4n44 |
| F 2 | 4 47 | 18 27 | 2 4 | 11 56 | 1 8 | 10 31 | 0 21 | 20 0 | 0 52 | 21 54 | 0 17 | 5 23 | 2 8 | 22 31 | 0 1 | 17 45 | 1 43 | 16 58 | 12 5 | 23 15 | 23 17 | 23 23 | 0 8 | 4 44 |
| S 3 | 5 10 | 21 19 | 1 3 | 12 41 | 1 20 | 10 8 | 0 24 | 19 51 | 0 53 | 21 53 | 0 17 | 5 25 | 2 8 | 22 31 | 0 1 | 17 45 | 1 43 | 16 59 | 12 5 | 23 15 | 23 17 | 23 24 | 0 6 | 4 44 |
| S 4 | 5 33 | 23 14 | 0 1 | 13 24 | 1 33 | 9 45 | 0 27 | 19 42 | 0 54 | 21 53 | 0 17 | 5 26 | 2 8 | 22 31 | 0 1 | 17 44 | 1 43 | 16 59 | 12 5 | 23 15 | 23 17 | 23 25 | 0 5 | 4 44 |
| M 5 | 5 56 | 24 7 | 1n 2 | 14 5 | 1 45 | 9 21 | 0 31 | 19 33 | 0 56 | 21 52 | 0 17 | 5 28 | 2 8 | 22 32 | 0 1 | 17 44 | 1 43 | 16 59 | 12 5 | 23 15 | 23 17 | 23 26 | 0 3 | 4 44 |
| T 6 | 6 19 | 23 55 | 2 2 | 14 43 | 1 57 | 8 58 | 0 34 | 19 24 | 0 57 | 21 52 | 0 17 | 5 30 | 2 8 | 22 32 | 0 1 | 17 44 | 1 43 | 17 0 | 12 4 | 23 15 | 23 17 | 23 27 | 0 2 | 4 44 |
| W 7 | 6 42 | 22 37 | 2 57 | 15 18 | 2 8 | 8 34 | 0 37 | 19 15 | 0 58 | 21 51 | 0 17 | 5 31 | 2 8 | 22 32 | 0 1 | 17 44 | 1 43 | 17 0 | 12 4 | 23 15 | 23 17 | 23 28 | 0 0 | 4 44 |
| T 8 | 7 5 | 20 14 | 3 45 | 15 51 | 2 19 | 8 10 | 0 40 | 19 6 | 0 59 | 21 51 | 0 17 | 5 33 | 2 8 | 22 32 | 0 1 | 17 43 | 1 43 | 17 1 | 12 4 | 23 15 | 23 17 | 23 29 | 0n 1 | 4 45 |
| F 9 | 7 27 | 16 52 | 4 24 | 16 20 | 2 29 | 7 46 | 0 43 | 18 56 | 1 0 | 21 50 | 0 17 | 5 34 | 2 8 | 22 33 | 0 1 | 17 43 | 1 43 | 17 1 | 12 4 | 23 15 | 23 17 | 23 30 | 0 3 | 4 45 |
| S 10 | 7 49 | 12 38 | 4 51 | 16 46 | 2 38 | 7 21 | 0 46 | 18 46 | 1 1 | 21 49 | 0 17 | 5 36 | 2 8 | 22 33 | 0 1 | 17 43 | 1 43 | 17 1 | 12 4 | 23 15 | 23 17 | 23 31 | 0 4 | 4 45 |
| S 11 | 8 12 | 7 41 | 5 3 | 17 9 | 2 46 | 6 56 | 0 49 | 18 36 | 1 2 | 21 49 | 0 17 | 5 37 | 2 8 | 22 33 | 0 1 | 17 42 | 1 43 | 17 2 | 12 4 | 23 14 | 23 16 | 23 32 | 0 6 | 4 45 |
| M12 | 8 34 | 2 14 | 4 58 | 17 29 | 2 53 | 6 31 | 0 52 | 18 26 | 1 4 | 21 48 | 0 17 | 5 38 | 2 8 | 22 33 | 0 1 | 17 42 | 1 43 | 17 2 | 12 4 | 23 14 | 23 16 | 23 33 | 0 7 | 4 45 |
| T 13 | 8 56 | 3s29 | 4 36 | 17 45 | 3 0 | 6 6 | 0 54 | 18 16 | 1 5 | 21 47 | 0 17 | 5 40 | 2 7 | 22 34 | 0 1 | 17 42 | 1 43 | 17 2 | 12 3 | 23 14 | 23 16 | 23 33 | 0 9 | 4 45 |
| W14 | 9 17 | 9 8 | 3 56 | 17 58 | 3 5 | 5 40 | 0 57 | 18 6 | 1 6 | 21 47 | 0 17 | 5 41 | 2 7 | 22 34 | 0 1 | 17 41 | 1 44 | 17 2 | 12 3 | 23 13 | 23 16 | 23 34 | 0 10 | 4 45 |
| T 15 | 9 39 | 14 23 | 3 1 | 18 7 | 3 8 | 5 15 | 1 0 | 17 56 | 1 7 | 21 46 | 0 17 | 5 43 | 2 7 | 22 34 | 0 1 | 17 41 | 1 44 | 17 3 | 12 3 | 23 13 | 23 16 | 23 35 | 0 11 | 4 45 |
| F 16 | 10 1 | 18 49 | 1 53 | 18 12 | 3 11 | 4 49 | 1 2 | 17 45 | 1 8 | 21 45 | 0 17 | 5 44 | 2 7 | 22 34 | 0 1 | 17 41 | 1 44 | 17 3 | 12 3 | 23 13 | 23 16 | 23 36 | 0 13 | 4 45 |
| S 17 | 10 22 | 22 6 | 0 38 | 18 14 | 3 12 | 4 23 | 1 5 | 17 34 | 1 10 | 21 44 | 0 17 | 5 45 | 2 7 | 22 35 | 0 1 | 17 40 | 1 44 | 17 3 | 12 3 | 23 13 | 23 16 | 23 37 | 0 14 | 4 45 |
| S 18 | 10 43 | 23 57 | 0s39 | 18 12 | 3 11 | 3 57 | 1 7 | 17 24 | 1 11 | 21 43 | 0 17 | 5 46 | 2 7 | 22 35 | 0 1 | 17 40 | 1 44 | 17 4 | 12 3 | 23 13 | 23 16 | 23 38 | 0 16 | 4 45 |
| M19 | 11 4 | 24 12 | 1 53 | 18 6 | 3 9 | 3 30 | 1 10 | 17 13 | 1 12 | 21 42 | 0 17 | 5 47 | 2 7 | 22 35 | 0 1 | 17 40 | 1 44 | 17 4 | 12 2 | 23 13 | 23 16 | 23 39 | 0 17 | 4 46 |
| T 20 | 11 25 | 22 53 | 2 59 | 17 57 | 3 5 | 3 4 | 1 12 | 17 2 | 1 13 | 21 41 | 0 18 | 5 49 | 2 7 | 22 35 | 0 1 | 17 39 | 1 44 | 17 4 | 12 2 | 23 13 | 23 16 | 23 40 | 0 18 | 4 46 |
| W21 | 11 45 | 20 12 | 3 54 | 17 45 | 3 0 | 2 38 | 1 14 | 16 50 | 1 14 | 21 40 | 0 18 | 5 50 | 2 7 | 22 36 | 0 1 | 17 39 | 1 44 | 17 4 | 12 2 | 23 13 | 23 16 | 23 41 | 0 20 | 4 46 |
| T 22 | 12 6 | 16 25 | 4 34 | 17 29 | 2 53 | 2 11 | 1 16 | 16 39 | 1 16 | 21 39 | 0 18 | 5 51 | 2 7 | 22 36 | 0 1 | 17 39 | 1 44 | 17 4 | 12 2 | 23 13 | 23 16 | 23 41 | 0 21 | 4 46 |
| F 23 | 12 26 | 11 50 | 4 59 | 17 10 | 2 44 | 1 44 | 1 18 | 16 28 | 1 17 | 21 38 | 0 18 | 5 52 | 2 7 | 22 36 | 0 1 | 17 38 | 1 44 | 17 5 | 12 2 | 23 13 | 23 15 | 23 42 | 0 23 | 4 46 |
| S 24 | 12 46 | 6 46 | 5 7 | 16 49 | 2 34 | 1 17 | 1 20 | 16 16 | 1 18 | 21 37 | 0 18 | 5 53 | 2 6 | 22 37 | 0 1 | 17 38 | 1 44 | 17 5 | 12 1 | 23 12 | 23 15 | 23 43 | 0 24 | 4 46 |
| S 25 | 13 6 | 1 28 | 4 58 | 16 25 | 2 23 | 0 50 | 1 22 | 16 5 | 1 20 | 21 36 | 0 18 | 5 54 | 2 6 | 22 37 | 0 1 | 17 38 | 1 44 | 17 5 | 12 1 | 23 12 | 23 15 | 23 44 | 0 25 | 4 46 |
| M26 | 13 25 | 3n49 | 4 35 | 15 59 | 2 10 | 0 23 | 1 24 | 15 53 | 1 21 | 21 35 | 0 18 | 5 55 | 2 6 | 22 37 | 0 1 | 17 37 | 1 44 | 17 5 | 12 1 | 23 12 | 23 15 | 23 45 | 0 27 | 4 46 |
| T 27 | 13 45 | 8 51 | 3 58 | 15 31 | 1 56 | 0n 4 | 1 25 | 15 41 | 1 22 | 21 34 | 0 18 | 5 56 | 2 6 | 22 38 | 0 1 | 17 37 | 1 44 | 17 5 | 12 1 | 23 11 | 23 15 | 23 46 | 0 28 | 4 47 |
| W28 | 14 4 | 13 28 | 3 11 | 15 2 | 1 42 | 0 31 | 1 27 | 15 29 | 1 23 | 21 33 | 0 18 | 5 56 | 2 6 | 22 38 | 0 1 | 17 37 | 1 44 | 17 5 | 12 1 | 23 11 | 23 15 | 23 47 | 0 29 | 4 47 |
| T 29 | 14 22 | 17 27 | 2 15 | 14 32 | 1 26 | 0 58 | 1 29 | 15 17 | 1 25 | 21 31 | 0 18 | 5 57 | 2 6 | 22 38 | 0 1 | 17 36 | 1 44 | 17 5 | 12 0 | 23 11 | 23 15 | 23 47 | 0 30 | 4 47 |
| F 30 | 14n41 | 20n39 | 1s14 | 14n 2 | 1n10 | 1n25 | 1s30 | 15s 5 | 1s26 | 21n30 | 0n18 | 5n58 | 2n 6 | 22n38 | 0s 1 | 17s36 | 1n44 | 17n 5 | 12n 0 | 23n11 | 23n15 | 23n48 | 0n32 | 4n47 |

Julian Day Number = 2798980.5, Delta T = 49m43s
Ecliptic obliquity = 23°18'59, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°03'19, Lahiri = 37°10'20


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# ASTRODIENST EPHEMERIS for the year 2951
# geocentric

## MAY 2951 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 35 52 | 10♉48'28 | 22♊ 4 | 3°R45 | 8♈17 | 23♒51 | 24♋ 4 | 19°R43 | 16♊41 | 26°R31 | 14°R34 | 23°D52 | 25♊37 | 1♋16 | 20♓13 | S 1 |
| S 2 | 14 39 49 | 11°47'14 | 3♋53 | 3♉ 5 | 9°30 | 24°32 | 24°12 | 19♍41 | 16°44 | 26♏30 | 14♍34 | 23♊53 | 25°34 | 1°23 | 20°16 | S 2 |
| M 3 | 14 43 45 | 12°45'59 | 15°40 | 2°29 | 10°42 | 25°13 | 24°20 | 19°39 | 16°47 | 26°28 | 14°33 | 23°54 | 25°31 | 1°29 | 20°19 | M 3 |
| T 4 | 14 47 42 | 13°44'42 | 27°30 | 1°56 | 11°55 | 25°54 | 24°28 | 19°37 | 16°50 | 26°26 | 14°32 | 23°56 | 25°28 | 1°36 | 20°22 | T 4 |
| W 5 | 14 51 39 | 14°43'22 | 9♌28 | 1°27 | 13° 7 | 26°35 | 24°36 | 19°35 | 16°53 | 26°25 | 14°32 | 23°R57 | 25°24 | 1°43 | 20°24 | W 5 |
| T 6 | 14 55 35 | 15°42'00 | 21°39 | 1° 3 | 14°20 | 27°16 | 24°44 | 19°34 | 16°56 | 26°23 | 14°31 | 23°57 | 25°21 | 1°49 | 20°27 | T 6 |
| F 7 | 14 59 32 | 16°40'36 | 4♍ 8 | 0°43 | 15°32 | 27°57 | 24°53 | 19°32 | 17° 0 | 26°22 | 14°31 | 23°55 | 25°18 | 1°56 | 20°30 | F 7 |
| S 8 | 15 3 28 | 17°39'10 | 16°59 | 0°29 | 16°45 | 28°38 | 25° 1 | 19°31 | 17° 3 | 26°20 | 14°30 | 23°52 | 25°15 | 2° 2 | 20°32 | S 8 |
| S 9 | 15 7 25 | 18°37'41 | 0♎16 | 0°19 | 17°57 | 29°18 | 25°10 | 19°29 | 17° 6 | 26°18 | 14°30 | 23°48 | 25°12 | 2° 9 | 20°35 | S 9 |
| M10 | 15 11 21 | 19°36'11 | 13°59 | 0°D14 | 19°10 | 29°59 | 25°19 | 19°28 | 17° 9 | 26°17 | 14°29 | 23°43 | 25° 9 | 2°16 | 20°37 | M10 |
| T 11 | 15 15 18 | 20°34'38 | 28° 7 | 0°14 | 20°22 | 0♓40 | 25°28 | 19°27 | 17°12 | 26°15 | 14°29 | 23°37 | 25° 5 | 2°22 | 20°40 | T 11 |
| W12 | 15 19 14 | 21°33'04 | 12♏37 | 0°19 | 21°35 | 1°21 | 25°37 | 19°26 | 17°15 | 26°14 | 14°28 | 23°33 | 25° 2 | 2°29 | 20°42 | W12 |
| T 13 | 15 23 11 | 22°31'28 | 27°23 | 0°29 | 22°48 | 2° 2 | 25°46 | 19°25 | 17°19 | 26°12 | 14°28 | 23°29 | 24°59 | 2°36 | 20°44 | T 13 |
| F 14 | 15 27 8 | 23°29'50 | 12♐17 | 0°44 | 24° 0 | 2°42 | 25°55 | 19°24 | 17°22 | 26°10 | 14°27 | 23°28 | 24°56 | 2°42 | 20°47 | F 14 |
| S 15 | 15 31 4 | 24°28'10 | 27°11 | 1° 3 | 25°13 | 3°23 | 26° 4 | 19°23 | 17°25 | 26° 9 | 14°27 | 23°D27 | 24°53 | 2°49 | 20°49 | S 15 |
| S 16 | 15 35 1 | 25°26'29 | 11♑58 | 1°27 | 26°25 | 4° 4 | 26°14 | 19°23 | 17°29 | 26° 7 | 14°27 | 23°28 | 24°50 | 2°56 | 20°51 | S 16 |
| M17 | 15 38 57 | 26°24'47 | 26°32 | 1°55 | 27°38 | 4°45 | 26°23 | 19°22 | 17°32 | 26° 5 | 14°26 | 23°30 | 24°46 | 3° 2 | 20°53 | M17 |
| T 18 | 15 42 54 | 27°23'03 | 10♒49 | 2°28 | 28°51 | 5°25 | 26°33 | 19°22 | 17°35 | 26° 4 | 14°26 | 23°31 | 24°43 | 3° 9 | 20°55 | T 18 |
| W19 | 15 46 50 | 28°21'17 | 24°47 | 3° 4 | 0♉ 4 | 6° 6 | 26°43 | 19°22 | 17°39 | 26° 2 | 14°26 | 23°R32 | 24°40 | 3°16 | 20°58 | W19 |
| T 20 | 15 50 47 | 29°19'30 | 8♓26 | 3°44 | 1°16 | 6°46 | 26°53 | 19°21 | 17°42 | 26° 0 | 14°26 | 23°31 | 24°37 | 3°22 | 21° 0 | T 20 |
| F 21 | 15 54 43 | 0♊17'41 | 21°46 | 4°28 | 2°29 | 7°27 | 27° 3 | 19°D21 | 17°45 | 25°59 | 14°26 | 23°30 | 24°34 | 3°29 | 21° 2 | F 21 |
| S 22 | 15 58 40 | 1°15'52 | 4♈50 | 5°15 | 3°42 | 8° 8 | 27°13 | 19°21 | 17°49 | 25°57 | 14°26 | 23°28 | 24°30 | 3°36 | 21° 3 | S 22 |
| S 23 | 16 2 37 | 2°14'00 | 17°38 | 6° 6 | 4°54 | 8°48 | 27°23 | 19°21 | 17°52 | 25°56 | 14°25 | 23°25 | 24°27 | 3°42 | 21° 5 | S 23 |
| M24 | 16 6 33 | 3°12'08 | 0♉12 | 7° 0 | 6° 7 | 9°28 | 27°33 | 19°22 | 17°55 | 25°54 | 14°25 | 23°22 | 24°24 | 3°49 | 21° 7 | M24 |
| T 25 | 16 10 30 | 4°10'14 | 12°33 | 7°58 | 7°20 | 10° 9 | 27°43 | 19°22 | 17°59 | 25°52 | 14°25 | 23°19 | 24°21 | 3°55 | 21° 9 | T 25 |
| W26 | 16 14 26 | 5° 8'18 | 24°45 | 8°58 | 8°33 | 10°49 | 27°54 | 19°22 | 18° 2 | 25°51 | 14°D25 | 23°16 | 24°18 | 4° 2 | 21°11 | W26 |
| T 27 | 16 18 23 | 6° 6'21 | 6♊47 | 10° 1 | 9°46 | 11°30 | 28° 4 | 19°23 | 18° 6 | 25°49 | 14°25 | 23°14 | 24°15 | 4° 9 | 21°12 | T 27 |
| F 28 | 16 22 19 | 7° 4'22 | 18°42 | 11° 7 | 10°58 | 12°10 | 28°15 | 19°24 | 18° 9 | 25°48 | 14°25 | 23°D14 | 24°11 | 4°15 | 21°14 | F 28 |
| S 29 | 16 26 16 | 8° 2'22 | 0♋31 | 12°16 | 12°11 | 12°50 | 28°26 | 19°24 | 18°13 | 25°46 | 14°25 | 23°14 | 24° 8 | 4°22 | 21°15 | S 29 |
| S 30 | 16 30 12 | 9° 0'20 | 12°19 | 13°28 | 13°24 | 13°30 | 28°37 | 19°25 | 18°16 | 25°44 | 14°26 | 23°15 | 24° 5 | 4°29 | 21°17 | S 30 |
| M31 | 16 34 9 | 9♊58'17 | 24♋ 6 | 14♉42 | 14♉37 | 14♓10 | 28♋47 | 19♍26 | 18♊20 | 25♏43 | 14♍26 | 23♊16 | 24♊ 2 | 4♋35 | 21♓18 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n59 | 22n55 | 0s10 | 13n32 | 0n53 | 1n52 | 1s31 | 14s52 | 1s27 | 21n29 | 0n18 | 5n59 | 2n 6 | 22n39 | 0s 1 | 17s35 | 1n44 | 17n 6 | 12n 0 | 23n11 | 23n15 | 23n49 | 0n33 | 4n47 |
| S 2 | 15 18 | 24 10 | 0n54 | 13 3 | 0 36 | 2 19 | 1 33 | 14 40 | 1 29 | 21 28 | 0 18 | 5 59 | 2 6 | 22 39 | 0 1 | 17 35 | 1 44 | 17 6 | 12 0 | 23 11 | 23 15 | 23 50 | 0 34 | 4 47 |
| M 3 | 15 35 | 24 19 | 1 56 | 12 34 | 0 19 | 2 46 | 1 34 | 14 28 | 1 30 | 21 26 | 0 18 | 6 0 | 2 5 | 22 39 | 0 1 | 17 35 | 1 44 | 17 6 | 11 59 | 23 11 | 23 14 | 23 51 | 0 35 | 4 47 |
| T 4 | 15 53 | 23 23 | 2 53 | 12 7 | 0 2 | 3 13 | 1 35 | 14 15 | 1 31 | 21 25 | 0 18 | 6 1 | 2 5 | 22 40 | 0 1 | 17 34 | 1 44 | 17 6 | 11 59 | 23 11 | 23 14 | 23 51 | 0 37 | 4 48 |
| W 5 | 16 10 | 21 22 | 3 43 | 11 42 | 0s14 | 3 40 | 1 36 | 14 2 | 1 32 | 21 24 | 0 18 | 6 1 | 2 5 | 22 40 | 0 0 | 17 34 | 1 44 | 17 6 | 11 59 | 23 11 | 23 14 | 23 52 | 0 38 | 4 48 |
| T 6 | 16 27 | 18 23 | 4 24 | 11 18 | 0 31 | 4 8 | 1 37 | 13 50 | 1 34 | 21 22 | 0 18 | 6 2 | 2 5 | 22 40 | 0 0 | 17 34 | 1 44 | 17 6 | 11 59 | 23 11 | 23 14 | 23 53 | 0 39 | 4 48 |
| F 7 | 16 44 | 14 30 | 4 54 | 10 56 | 0 47 | 4 34 | 1 38 | 13 37 | 1 35 | 21 21 | 0 18 | 6 2 | 2 5 | 22 41 | 0 0 | 17 33 | 1 44 | 17 6 | 11 59 | 23 11 | 23 14 | 23 54 | 0 40 | 4 48 |
| S 8 | 17 1 | 9 52 | 5 10 | 10 37 | 1 2 | 5 1 | 1 39 | 13 24 | 1 37 | 21 19 | 0 18 | 6 3 | 2 5 | 22 41 | 0 0 | 17 33 | 1 44 | 17 6 | 11 58 | 23 10 | 23 14 | 23 55 | 0 41 | 4 48 |
| S 9 | 17 17 | 4 38 | 5 10 | 10 20 | 1 16 | 5 28 | 1 40 | 13 11 | 1 38 | 21 18 | 0 19 | 6 3 | 2 5 | 22 41 | 0 0 | 17 32 | 1 44 | 17 6 | 11 58 | 23 10 | 23 14 | 23 55 | 0 43 | 4 48 |
| M10 | 17 33 | 0s59 | 4 53 | 10 5 | 1 30 | 5 55 | 1 40 | 12 58 | 1 39 | 21 16 | 0 19 | 6 3 | 2 4 | 22 42 | 0 0 | 17 32 | 1 44 | 17 6 | 11 58 | 23 10 | 23 14 | 23 56 | 0 44 | 4 49 |
| T 11 | 17 48 | 6 44 | 4 18 | 9 53 | 1 43 | 6 22 | 1 41 | 12 45 | 1 41 | 21 15 | 0 19 | 6 4 | 2 4 | 22 42 | 0 0 | 17 32 | 1 44 | 17 6 | 11 58 | 23 10 | 23 14 | 23 57 | 0 45 | 4 49 |
| W12 | 18 3 | 12 17 | 3 25 | 9 44 | 1 55 | 6 48 | 1 41 | 12 32 | 1 42 | 21 13 | 0 19 | 6 4 | 2 4 | 22 42 | 0 0 | 17 31 | 1 44 | 17 5 | 11 57 | 23 10 | 23 13 | 23 58 | 0 46 | 4 49 |
| T 13 | 18 18 | 17 14 | 2 18 | 9 36 | 2 6 | 7 14 | 1 42 | 12 18 | 1 43 | 21 11 | 0 19 | 6 4 | 2 4 | 22 42 | 0 0 | 17 31 | 1 44 | 17 5 | 11 57 | 23 9 | 23 13 | 23 58 | 0 47 | 4 49 |
| F 14 | 18 33 | 21 9 | 1 1 | 9 32 | 2 17 | 7 41 | 1 42 | 12 5 | 1 45 | 21 10 | 0 19 | 6 4 | 2 4 | 22 43 | 0 0 | 17 31 | 1 44 | 17 5 | 11 57 | 23 9 | 23 13 | 23 59 | 0 48 | 4 49 |
| S 15 | 18 47 | 23 38 | 0s20 | 9 29 | 2 26 | 8 7 | 1 43 | 11 52 | 1 46 | 21 8 | 0 19 | 6 5 | 2 4 | 22 43 | 0 0 | 17 30 | 1 44 | 17 5 | 11 56 | 23 9 | 23 13 | 24 0 | 0 49 | 4 49 |
| S 16 | 19 1 | 24 26 | 1 40 | 9 29 | 2 35 | 8 33 | 1 43 | 11 38 | 1 47 | 21 6 | 0 19 | 6 5 | 2 4 | 22 43 | 0 0 | 17 30 | 1 44 | 17 5 | 11 56 | 23 9 | 23 13 | 24 1 | 0 50 | 4 50 |
| M17 | 19 15 | 23 33 | 2 52 | 9 32 | 2 43 | 8 59 | 1 43 | 11 25 | 1 49 | 21 5 | 0 19 | 6 5 | 2 3 | 22 44 | 0 0 | 17 29 | 1 44 | 17 5 | 11 56 | 23 9 | 23 13 | 24 1 | 0 51 | 4 50 |
| T 18 | 19 28 | 21 9 | 3 52 | 9 36 | 2 50 | 9 24 | 1 43 | 11 11 | 1 50 | 21 3 | 0 19 | 6 5 | 2 3 | 22 44 | 0 0 | 17 29 | 1 44 | 17 5 | 11 56 | 23 9 | 23 13 | 24 2 | 0 52 | 4 50 |
| W19 | 19 41 | 17 32 | 4 36 | 9 42 | 2 56 | 9 50 | 1 43 | 10 58 | 1 52 | 21 1 | 0 19 | 6 5 | 2 3 | 22 44 | 0 0 | 17 29 | 1 44 | 17 5 | 11 55 | 23 10 | 23 13 | 24 3 | 0 53 | 4 50 |
| T 20 | 19 54 | 13 4 | 5 4 | 9 51 | 3 2 | 10 15 | 1 43 | 10 44 | 1 53 | 20 59 | 0 19 | 6 5 | 2 3 | 22 45 | 0 0 | 17 28 | 1 44 | 17 4 | 11 55 | 23 10 | 23 12 | 24 4 | 0 54 | 4 50 |
| F 21 | 20 6 | 8 4 | 5 15 | 10 1 | 3 6 | 10 40 | 1 43 | 10 30 | 1 55 | 20 57 | 0 19 | 6 5 | 2 3 | 22 45 | 0 0 | 17 28 | 1 44 | 17 4 | 11 55 | 23 9 | 23 12 | 24 4 | 0 55 | 4 51 |
| S 22 | 20 18 | 2 49 | 5 9 | 10 13 | 3 10 | 11 5 | 1 42 | 10 16 | 1 56 | 20 55 | 0 19 | 6 4 | 2 3 | 22 45 | 0 0 | 17 27 | 1 44 | 17 4 | 11 55 | 23 9 | 23 12 | 24 5 | 0 56 | 4 51 |
| S 23 | 20 30 | 2n27 | 4 47 | 10 27 | 3 13 | 11 29 | 1 42 | 10 3 | 1 57 | 20 53 | 0 19 | 6 4 | 2 2 | 22 46 | 0 0 | 17 27 | 1 44 | 17 4 | 11 54 | 23 9 | 23 12 | 24 6 | 0 57 | 4 51 |
| M24 | 20 41 | 7 32 | 4 12 | 10 42 | 3 15 | 11 54 | 1 42 | 9 49 | 1 59 | 20 52 | 0 19 | 6 4 | 2 2 | 22 46 | 0 0 | 17 27 | 1 44 | 17 4 | 11 54 | 23 9 | 23 12 | 24 6 | 0 58 | 4 51 |
| T 25 | 20 52 | 12 15 | 3 26 | 10 59 | 3 17 | 12 18 | 1 41 | 9 35 | 2 0 | 20 50 | 0 19 | 6 4 | 2 2 | 22 46 | 0 0 | 17 26 | 1 44 | 17 3 | 11 54 | 23 9 | 23 12 | 24 7 | 0 59 | 4 51 |
| W26 | 21 3 | 16 25 | 2 31 | 11 17 | 3 18 | 12 41 | 1 41 | 9 21 | 2 2 | 20 48 | 0 19 | 6 3 | 2 2 | 22 47 | 0 0 | 17 26 | 1 44 | 17 3 | 11 53 | 23 9 | 23 12 | 24 8 | 1 0 | 4 52 |
| T 27 | 21 13 | 19 51 | 1 30 | 11 37 | 3 18 | 13 5 | 1 40 | 9 7 | 2 3 | 20 45 | 0 19 | 6 3 | 2 2 | 22 47 | 0 0 | 17 26 | 1 44 | 17 3 | 11 53 | 23 9 | 23 11 | 24 8 | 1 0 | 4 52 |
| F 28 | 21 23 | 22 25 | 0 25 | 11 57 | 3 17 | 13 28 | 1 39 | 8 53 | 2 5 | 20 43 | 0 19 | 6 3 | 2 2 | 22 47 | 0 0 | 17 25 | 1 44 | 17 3 | 11 53 | 23 9 | 23 11 | 24 9 | 1 1 | 4 52 |
| S 29 | 21 32 | 23 59 | 0n40 | 12 19 | 3 16 | 13 51 | 1 38 | 8 39 | 2 6 | 20 41 | 0 20 | 6 2 | 2 1 | 22 48 | 0 0 | 17 25 | 1 44 | 17 2 | 11 53 | 23 9 | 23 11 | 24 10 | 1 2 | 4 52 |
| S 30 | 21 41 | 24 28 | 1 44 | 12 42 | 3 14 | 14 14 | 1 38 | 8 25 | 2 7 | 20 39 | 0 20 | 6 2 | 2 1 | 22 48 | 0 0 | 17 25 | 1 44 | 17 2 | 11 52 | 23 9 | 23 11 | 24 10 | 1 3 | 4 52 |
| M31 | 21n50 | 23n51 | 2n43 | 13n 6 | 3s12 | 14n36 | 1s37 | 8s11 | 2s 9 | 20n37 | 0n20 | 6n 1 | 2n 1 | 22n48 | 0s 0 | 17s24 | 1n44 | 17n 2 | 11n52 | 23n 9 | 23n11 | 24n11 | 1n 4 | 4n53 |

Julian Day Number = 2799010.5, Delta T = 49m43s
Ecliptic obliquity = 23°18'58, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°03'23, Lahiri = 37°10'24


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# ASTRODIENST EPHEMERIS for the year 2951
# geocentric

## JUNE 2951 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 38 6 | 10♊56'12 | 5♌57 | 15♉58 | 15♉50 | 14♓50 | 28♋58 | 19♍27 | 18♊23 | 25°R41 | 14♍26 | 23♊17 | 23♊59 | 4♋42 | 21♓20 | T 1 |
| W 2 | 16 42 2 | 11°54'05 | 17°56 | 17°18 | 17° 2 | 15°30 | 29° 9 | 19°28 | 18°27 | 25♏40 | 14°26 | 23°18 | 23°56 | 4°49 | 21°21 | W 2 |
| T 3 | 16 45 59 | 12°51'57 | 0♍ 7 | 18°39 | 18°15 | 16°10 | 29°21 | 19°30 | 18°30 | 25°38 | 14°26 | 23°19 | 23°52 | 4°55 | 21°22 | T 3 |
| F 4 | 16 49 55 | 13°49'47 | 12°34 | 20° 3 | 19°28 | 16°50 | 29°32 | 19°31 | 18°34 | 25°37 | 14°26 | 23°R19 | 23°49 | 5° 2 | 21°24 | F 4 |
| S 5 | 16 53 52 | 14°47'35 | 25°22 | 21°30 | 20°41 | 17°30 | 29°43 | 19°33 | 18°37 | 25°35 | 14°27 | 23°19 | 23°46 | 5° 9 | 21°25 | S 5 |
| S 6 | 16 57 48 | 15°45'22 | 8♎33 | 22°59 | 21°54 | 18°10 | 29°54 | 19°34 | 18°41 | 25°34 | 14°27 | 23°18 | 23°43 | 5°15 | 21°26 | S 6 |
| M 7 | 17 1 45 | 16°43'07 | 22°12 | 24°30 | 23° 7 | 18°49 | 0♌ 6 | 19°36 | 18°44 | 25°32 | 14°27 | 23°18 | 23°40 | 5°22 | 21°27 | M 7 |
| T 8 | 17 5 41 | 17°40'50 | 6♏17 | 26° 3 | 24°20 | 19°29 | 0°17 | 19°38 | 18°48 | 25°31 | 14°28 | 23°17 | 23°36 | 5°29 | 21°28 | T 8 |
| W 9 | 17 9 38 | 18°38'32 | 20°47 | 27°39 | 25°32 | 20° 9 | 0°29 | 19°40 | 18°51 | 25°29 | 14°28 | 23°16 | 23°33 | 5°35 | 21°29 | W 9 |
| T 10 | 17 13 35 | 19°36'13 | 5♐38 | 29°17 | 26°45 | 20°48 | 0°40 | 19°42 | 18°55 | 25°28 | 14°29 | 23°16 | 23°30 | 5°42 | 21°30 | T 10 |
| F 11 | 17 17 31 | 20°33'52 | 20°43 | 0♊58 | 27°58 | 21°27 | 0°52 | 19°44 | 18°58 | 25°26 | 14°29 | 23°D16 | 23°27 | 5°48 | 21°30 | F 11 |
| S 12 | 17 21 28 | 21°31'31 | 5♑53 | 2°41 | 29°11 | 22° 7 | 1° 4 | 19°46 | 19° 2 | 25°25 | 14°30 | 23°16 | 23°24 | 5°55 | 21°31 | S 12 |
| S 13 | 17 25 24 | 22°29'08 | 20°58 | 4°26 | 0♊24 | 22°46 | 1°16 | 19°48 | 19° 5 | 25°23 | 14°30 | 23°16 | 23°21 | 6° 2 | 21°32 | S 13 |
| M14 | 17 29 21 | 23°26'44 | 5♒51 | 6°13 | 1°37 | 23°25 | 1°28 | 19°51 | 19° 9 | 25°22 | 14°31 | 23°R16 | 23°17 | 6° 8 | 21°33 | M14 |
| T 15 | 17 33 17 | 24°24'19 | 20°25 | 8° 3 | 2°50 | 24° 4 | 1°40 | 19°53 | 19°12 | 25°21 | 14°31 | 23°16 | 23°14 | 6°15 | 21°33 | T 15 |
| W16 | 17 37 14 | 25°21'53 | 4♓35 | 9°55 | 4° 3 | 24°43 | 1°52 | 19°56 | 19°16 | 25°19 | 14°32 | 23°16 | 23°11 | 6°22 | 21°34 | W16 |
| T 17 | 17 41 10 | 26°19'27 | 18°21 | 11°49 | 5°16 | 25°22 | 2° 4 | 19°58 | 19°19 | 25°18 | 14°32 | 23°16 | 23° 8 | 6°28 | 21°34 | T 17 |
| F 18 | 17 45 7 | 27°17'00 | 1♈41 | 13°45 | 6°29 | 26° 1 | 2°16 | 20° 1 | 19°23 | 25°16 | 14°33 | 23°D16 | 23° 5 | 6°35 | 21°35 | F 18 |
| S 19 | 17 49 4 | 28°14'32 | 14°39 | 15°44 | 7°42 | 26°40 | 2°28 | 20° 4 | 19°26 | 25°15 | 14°34 | 23°16 | 23° 2 | 6°42 | 21°35 | S 19 |
| S 20 | 17 53 0 | 29°12'03 | 27°18 | 17°44 | 8°55 | 27°19 | 2°40 | 20° 7 | 19°30 | 25°14 | 14°34 | 23°16 | 22°58 | 6°48 | 21°35 | S 20 |
| M21 | 17 56 57 | 0♋ 9'33 | 9♉40 | 19°47 | 10° 8 | 27°57 | 2°52 | 20°10 | 19°33 | 25°13 | 14°35 | 23°17 | 22°55 | 6°55 | 21°35 | M21 |
| T 22 | 18 0 53 | 1° 7'03 | 21°49 | 21°51 | 11°21 | 28°36 | 3° 5 | 20°13 | 19°36 | 25°11 | 14°36 | 23°18 | 22°52 | 7° 2 | 21°36 | T 22 |
| W23 | 18 4 50 | 2° 4'33 | 3♊48 | 23°57 | 12°34 | 29°14 | 3°17 | 20°16 | 19°40 | 25°10 | 14°37 | 23°19 | 22°49 | 7° 8 | 21°36 | W23 |
| T 24 | 18 8 46 | 3° 2'01 | 15°41 | 26° 5 | 13°47 | 29°52 | 3°30 | 20°20 | 19°43 | 25° 9 | 14°38 | 23°19 | 22°46 | 7°15 | 21°36 | T 24 |
| F 25 | 18 12 43 | 3°59'29 | 27°30 | 28°14 | 15° 0 | 0♈30 | 3°42 | 20°23 | 19°47 | 25° 8 | 14°38 | 23°R19 | 22°42 | 7°22 | 21°R36 | F 25 |
| S 26 | 18 16 40 | 4°56'56 | 9♋18 | 0♋24 | 16°13 | 1° 8 | 3°55 | 20°26 | 19°50 | 25° 7 | 14°39 | 23°19 | 22°39 | 7°28 | 21°36 | S 26 |
| S 27 | 18 20 36 | 5°54'22 | 21° 5 | 2°35 | 17°26 | 1°46 | 4° 7 | 20°30 | 19°54 | 25° 5 | 14°40 | 23°18 | 22°36 | 7°35 | 21°36 | S 27 |
| M28 | 18 24 33 | 6°51'47 | 2♌56 | 4°47 | 18°40 | 2°24 | 4°20 | 20°34 | 19°57 | 25° 4 | 14°41 | 23°16 | 22°33 | 7°42 | 21°36 | M28 |
| T 29 | 18 28 29 | 7°49'12 | 14°52 | 6°59 | 19°53 | 3° 1 | 4°33 | 20°38 | 20° 0 | 25° 3 | 14°42 | 23°14 | 22°30 | 7°48 | 21°35 | T 29 |
| W30 | 18 32 26 | 8♋46'35 | 26♌56 | 9♋11 | 21♊ 6 | 3♈39 | 4♌45 | 20♍41 | 20♊ 4 | 25♏ 2 | 14♍43 | 23♊12 | 22♊27 | 7♋55 | 21♓35 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21n58 | 22n10 | 3n35 | 13n31 | 3s 9 | 14n58 | 1s36 | 7s57 | 2s10 | 20n35 | 0n20 | 6n 1 | 2n 1 | 22n48 | 0s 0 | 17s24 | 1n44 | 17n 1 | 11n52 | 23n 9 | 23n11 | 24n12 | 1n 4 | 4n53 |
| W 2 | 22 6 | 19 29 | 4 19 | 13 57 | 3 5 | 15 19 | 1 35 | 7 43 | 2 12 | 20 33 | 0 20 | 6 0 | 2 1 | 22 49 | 0 0 | 17 24 | 1 44 | 17 1 | 11 51 | 23 9 | 23 11 | 24 12 | 1 5 | 4 53 |
| T 3 | 22 13 | 15 55 | 4 52 | 14 23 | 3 1 | 15 41 | 1 34 | 7 29 | 2 13 | 20 30 | 0 20 | 5 59 | 2 1 | 22 49 | 0 0 | 17 23 | 1 44 | 17 1 | 11 51 | 23 9 | 23 11 | 24 13 | 1 6 | 4 53 |
| F 4 | 22 21 | 11 37 | 5 12 | 14 50 | 2 56 | 16 1 | 1 33 | 7 15 | 2 15 | 20 28 | 0 20 | 5 59 | 2 1 | 22 49 | 0 0 | 17 23 | 1 44 | 17 0 | 11 51 | 23 9 | 23 10 | 24 13 | 1 6 | 4 54 |
| S 5 | 22 27 | 6 41 | 5 17 | 15 18 | 2 50 | 16 22 | 1 31 | 7 0 | 2 16 | 20 26 | 0 20 | 5 58 | 2 0 | 22 50 | 0 0 | 17 22 | 1 44 | 17 0 | 11 51 | 23 9 | 23 10 | 24 14 | 1 7 | 4 54 |
| S 6 | 22 34 | 1 19 | 5 6 | 15 46 | 2 44 | 16 42 | 1 30 | 6 46 | 2 18 | 20 23 | 0 20 | 5 57 | 2 0 | 22 50 | 0 0 | 17 22 | 1 44 | 17 0 | 11 50 | 23 9 | 23 10 | 24 15 | 1 8 | 4 54 |
| M 7 | 22 39 | 4s17 | 4 38 | 16 15 | 2 38 | 17 1 | 1 29 | 6 32 | 2 19 | 20 21 | 0 20 | 5 56 | 2 0 | 22 50 | 0 0 | 17 22 | 1 44 | 16 59 | 11 50 | 23 9 | 23 10 | 24 15 | 1 8 | 4 54 |
| T 8 | 22 45 | 9 53 | 3 53 | 16 43 | 2 31 | 17 21 | 1 27 | 6 18 | 2 21 | 20 19 | 0 20 | 5 56 | 2 0 | 22 51 | 0 0 | 17 21 | 1 44 | 16 59 | 11 50 | 23 9 | 23 10 | 24 16 | 1 9 | 4 54 |
| W 9 | 22 50 | 15 6 | 2 51 | 17 12 | 2 24 | 17 39 | 1 26 | 6 4 | 2 22 | 20 16 | 0 20 | 5 55 | 2 0 | 22 51 | 0 0 | 17 21 | 1 44 | 16 58 | 11 49 | 23 9 | 23 10 | 24 16 | 1 9 | 4 55 |
| T 10 | 22 55 | 19 33 | 1 36 | 17 41 | 2 16 | 17 58 | 1 24 | 5 50 | 2 24 | 20 14 | 0 20 | 5 54 | 2 0 | 22 51 | 0 0 | 17 21 | 1 44 | 16 58 | 11 49 | 23 9 | 23 9 | 24 17 | 1 10 | 4 55 |
| F 11 | 22 59 | 22 45 | 0 14 | 18 10 | 2 7 | 18 16 | 1 23 | 5 36 | 2 25 | 20 11 | 0 20 | 5 53 | 1 59 | 22 51 | 0 0 | 17 21 | 1 44 | 16 57 | 11 49 | 23 9 | 23 9 | 24 18 | 1 11 | 4 55 |
| S 12 | 23 3 | 24 21 | 1s10 | 18 39 | 1 59 | 18 33 | 1 21 | 5 22 | 2 27 | 20 9 | 0 20 | 5 52 | 1 59 | 22 52 | 0 0 | 17 20 | 1 44 | 16 57 | 11 49 | 23 9 | 23 9 | 24 18 | 1 11 | 4 55 |
| S 13 | 23 6 | 24 8 | 2 28 | 19 8 | 1 49 | 18 50 | 1 20 | 5 8 | 2 28 | 20 6 | 0 20 | 5 51 | 1 59 | 22 52 | 0 0 | 17 20 | 1 44 | 16 57 | 11 48 | 23 9 | 23 9 | 24 19 | 1 11 | 4 56 |
| M14 | 23 9 | 22 11 | 3 35 | 19 36 | 1 40 | 19 7 | 1 18 | 4 54 | 2 30 | 20 4 | 0 20 | 5 50 | 1 59 | 22 52 | 0 0 | 17 20 | 1 44 | 16 56 | 11 48 | 23 9 | 23 9 | 24 19 | 1 12 | 4 56 |
| T 15 | 23 12 | 18 50 | 4 27 | 20 3 | 1 30 | 19 22 | 1 16 | 4 39 | 2 31 | 20 1 | 0 20 | 5 49 | 1 59 | 22 53 | 0 0 | 17 19 | 1 44 | 16 56 | 11 48 | 23 9 | 23 9 | 24 20 | 1 12 | 4 56 |
| W16 | 23 14 | 14 27 | 5 1 | 20 30 | 1 20 | 19 38 | 1 14 | 4 25 | 2 33 | 19 59 | 0 21 | 5 47 | 1 59 | 22 53 | 0 0 | 17 19 | 1 44 | 16 55 | 11 48 | 23 9 | 23 9 | 24 20 | 1 13 | 4 56 |
| T 17 | 23 16 | 9 27 | 5 17 | 20 56 | 1 10 | 19 53 | 1 12 | 4 11 | 2 34 | 19 56 | 0 21 | 5 46 | 1 58 | 22 53 | 0 0 | 17 19 | 1 44 | 16 55 | 11 47 | 23 9 | 23 8 | 24 21 | 1 13 | 4 57 |
| F 18 | 23 17 | 4 9 | 5 14 | 21 21 | 0 59 | 20 7 | 1 10 | 3 57 | 2 36 | 19 53 | 0 21 | 5 45 | 1 58 | 22 54 | 0 0 | 17 18 | 1 44 | 16 54 | 11 47 | 23 9 | 23 8 | 24 21 | 1 14 | 4 57 |
| S 19 | 23 18 | 1n11 | 4 56 | 21 45 | 0 48 | 20 21 | 1 9 | 3 44 | 2 37 | 19 51 | 0 21 | 5 44 | 1 58 | 22 54 | 0 0 | 17 18 | 1 44 | 16 54 | 11 47 | 23 9 | 23 8 | 24 22 | 1 14 | 4 57 |
| S 20 | 23 19 | 6 21 | 4 24 | 22 8 | 0 37 | 20 35 | 1 7 | 3 30 | 2 39 | 19 48 | 0 21 | 5 42 | 1 58 | 22 54 | 0 0 | 17 18 | 1 43 | 16 53 | 11 46 | 23 9 | 23 8 | 24 22 | 1 14 | 4 57 |
| M21 | 23 19 | 11 9 | 3 40 | 22 29 | 0 26 | 20 47 | 1 5 | 3 16 | 2 40 | 19 45 | 0 21 | 5 41 | 1 58 | 22 54 | 0 0 | 17 18 | 1 43 | 16 53 | 11 46 | 23 9 | 23 8 | 24 23 | 1 15 | 4 57 |
| T 22 | 23 19 | 15 27 | 2 46 | 22 49 | 0 15 | 21 0 | 1 2 | 3 2 | 2 42 | 19 42 | 0 21 | 5 40 | 1 58 | 22 55 | 0 0 | 17 17 | 1 43 | 16 52 | 11 46 | 23 9 | 23 8 | 24 23 | 1 15 | 4 58 |
| W23 | 23 18 | 19 4 | 1 46 | 23 6 | 0 5 | 21 11 | 1 0 | 2 48 | 2 43 | 19 40 | 0 21 | 5 38 | 1 58 | 22 55 | 0 0 | 17 17 | 1 43 | 16 51 | 11 46 | 23 9 | 23 7 | 24 24 | 1 15 | 4 58 |
| T 24 | 23 17 | 21 51 | 0 42 | 23 22 | 0n 6 | 21 22 | 0 58 | 2 34 | 2 45 | 19 37 | 0 21 | 5 37 | 1 57 | 22 55 | 0 0 | 17 17 | 1 43 | 16 51 | 11 45 | 23 9 | 23 7 | 24 24 | 1 15 | 4 58 |
| F 25 | 23 15 | 23 41 | 0n23 | 23 35 | 0 17 | 21 33 | 0 56 | 2 21 | 2 46 | 19 34 | 0 21 | 5 35 | 1 57 | 22 55 | 0 0 | 17 17 | 1 43 | 16 50 | 11 45 | 23 9 | 23 7 | 24 25 | 1 16 | 4 58 |
| S 26 | 23 13 | 24 27 | 1 27 | 23 46 | 0 27 | 21 43 | 0 54 | 2 7 | 2 48 | 19 31 | 0 21 | 5 34 | 1 57 | 22 56 | 0 0 | 17 16 | 1 43 | 16 50 | 11 45 | 23 9 | 23 7 | 24 25 | 1 16 | 4 59 |
| S 27 | 23 11 | 24 7 | 2 28 | 23 55 | 0 37 | 21 52 | 0 52 | 1 53 | 2 49 | 19 28 | 0 21 | 5 32 | 1 57 | 22 56 | 0 0 | 17 16 | 1 43 | 16 49 | 11 45 | 23 9 | 23 7 | 24 26 | 1 16 | 4 59 |
| M28 | 23 8 | 22 41 | 3 22 | 24 0 | 0 47 | 22 1 | 0 49 | 1 40 | 2 51 | 19 25 | 0 21 | 5 31 | 1 57 | 22 56 | 0 0 | 17 16 | 1 43 | 16 49 | 11 44 | 23 9 | 23 6 | 24 26 | 1 16 | 4 59 |
| T 29 | 23 5 | 20 15 | 4 8 | 24 4 | 0 56 | 22 9 | 0 47 | 1 26 | 2 52 | 19 22 | 0 21 | 5 29 | 1 57 | 22 57 | 0n 0 | 17 16 | 1 43 | 16 48 | 11 44 | 23 9 | 23 6 | 24 27 | 1 16 | 4 59 |
| W30 | 23n 2 | 16n55 | 4n44 | 24n 4 | 1n 4 | 22n16 | 0s45 | 1s13 | 2s54 | 19n19 | 0n21 | 5n28 | 1n57 | 22n57 | 0n 0 | 17s15 | 1n43 | 16n47 | 11n44 | 23n 9 | 23n 6 | 24n27 | 1n16 | 4n59 |

Julian Day Number = 2799041.5, Delta T = 49m44s
Ecliptic obliquity = 23°18'58, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°03'28, Lahiri = 37°10'28


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# ASTRODIENST EPHEMERIS for the year 2951
# geocentric

## JULY 2951 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 36 22 | 9♋43'58 | 9♍11 | 11♋23 | 22♊19 | 4♈16 | 4♌58 | 20♍45 | 20♊ 7 | 25°R 1 | 14♍44 | 23°R 9 | 22♊23 | 8♋ 1 | 21°R35 | T 1 |
| F 2 | 18 40 19 | 10°41'20 | 21°40 | 13°35 | 23°32 | 4°53 | 5°11 | 20°49 | 20°11 | 25♏ 0 | 14°45 | 23♊ 8 | 22°20 | 8° 8 | 21♓34 | F 2 |
| S 3 | 18 44 15 | 11°38'41 | 4♎26 | 15°46 | 24°45 | 5°30 | 5°24 | 20°53 | 20°14 | 24°59 | 14°46 | 23° 7 | 22°17 | 8°15 | 21°34 | S 3 |
| S 4 | 18 48 12 | 12°36'01 | 17°33 | 17°56 | 25°58 | 6° 7 | 5°36 | 20°58 | 20°17 | 24°58 | 14°47 | 23°D 7 | 22°14 | 8°21 | 21°33 | S 4 |
| M 5 | 18 52 9 | 13°33'20 | 1♏ 3 | 20° 4 | 27°12 | 6°44 | 5°49 | 21° 2 | 20°20 | 24°57 | 14°48 | 23° 8 | 22°11 | 8°28 | 21°33 | M 5 |
| T 6 | 18 56 5 | 14°30'38 | 14°57 | 22°12 | 28°25 | 7°21 | 6° 2 | 21° 6 | 20°24 | 24°56 | 14°49 | 23° 9 | 22° 8 | 8°35 | 21°32 | T 6 |
| W 7 | 19 0 2 | 15°27'56 | 29°17 | 24°17 | 29°38 | 7°57 | 6°15 | 21°11 | 20°27 | 24°55 | 14°51 | 23°10 | 22° 4 | 8°41 | 21°31 | W 7 |
| T 8 | 19 3 58 | 16°25'13 | 14♐ 0 | 26°21 | 0♋51 | 8°33 | 6°28 | 21°15 | 20°30 | 24°54 | 14°52 | 23°11 | 22° 1 | 8°48 | 21°31 | T 8 |
| F 9 | 19 7 55 | 17°22'29 | 29° 0 | 28°24 | 2° 4 | 9° 9 | 6°41 | 21°20 | 20°33 | 24°53 | 14°53 | 23°R11 | 21°58 | 8°55 | 21°30 | F 9 |
| S 10 | 19 11 51 | 18°19'46 | 14♑11 | 0♌24 | 3°18 | 9°45 | 6°54 | 21°24 | 20°37 | 24°53 | 14°54 | 23°10 | 21°55 | 9° 1 | 21°29 | S 10 |
| S 11 | 19 15 48 | 19°17'01 | 29°23 | 2°23 | 4°31 | 10°21 | 7° 7 | 21°29 | 20°40 | 24°52 | 14°55 | 23° 8 | 21°52 | 9° 8 | 21°28 | S 11 |
| M12 | 19 19 44 | 20°14'17 | 14♒26 | 4°19 | 5°44 | 10°57 | 7°20 | 21°34 | 20°43 | 24°51 | 14°57 | 23° 5 | 21°48 | 9°15 | 21°27 | M12 |
| T 13 | 19 23 41 | 21°11'32 | 29°12 | 6°13 | 6°58 | 11°32 | 7°34 | 21°39 | 20°46 | 24°50 | 14°58 | 23° 1 | 21°45 | 9°21 | 21°26 | T 13 |
| W14 | 19 27 38 | 22° 8'47 | 13♓34 | 8° 6 | 8°11 | 12° 7 | 7°47 | 21°44 | 20°49 | 24°50 | 14°59 | 22°57 | 21°42 | 9°28 | 21°25 | W14 |
| T 15 | 19 31 34 | 23° 6'01 | 27°28 | 9°56 | 9°24 | 12°42 | 8° 0 | 21°49 | 20°52 | 24°49 | 15° 1 | 22°54 | 21°39 | 9°35 | 21°24 | T 15 |
| F 16 | 19 35 31 | 24° 3'16 | 10♈54 | 11°44 | 10°38 | 13°17 | 8°13 | 21°54 | 20°55 | 24°48 | 15° 2 | 22°52 | 21°36 | 9°41 | 21°23 | F 16 |
| S 17 | 19 39 27 | 25° 0'32 | 23°54 | 13°30 | 11°51 | 13°52 | 8°26 | 21°59 | 20°59 | 24°48 | 15° 3 | 22°D51 | 21°33 | 9°48 | 21°22 | S 17 |
| S 18 | 19 43 24 | 25°57'47 | 6♉30 | 15°14 | 13° 4 | 14°26 | 8°40 | 22° 4 | 21° 2 | 24°47 | 15° 5 | 22°52 | 21°29 | 9°55 | 21°20 | S 18 |
| M19 | 19 47 20 | 26°55'02 | 18°48 | 16°56 | 14°18 | 15° 0 | 8°53 | 22°10 | 21° 5 | 24°46 | 15° 6 | 22°53 | 21°26 | 10° 1 | 21°19 | M19 |
| T 20 | 19 51 17 | 27°52'18 | 0♊51 | 18°35 | 15°31 | 15°34 | 9° 6 | 22°15 | 21° 8 | 24°46 | 15° 8 | 22°55 | 21°23 | 10° 8 | 21°18 | T 20 |
| W21 | 19 55 13 | 28°49'34 | 12°45 | 20°12 | 16°45 | 16° 8 | 9°19 | 22°21 | 21°10 | 24°45 | 15° 9 | 22°56 | 21°20 | 10°14 | 21°16 | W21 |
| T 22 | 19 59 10 | 29°46'50 | 24°33 | 21°48 | 17°58 | 16°41 | 9°33 | 22°26 | 21°13 | 24°45 | 15°11 | 22°R56 | 21°17 | 10°21 | 21°15 | T 22 |
| F 23 | 20 3 7 | 0♌44'06 | 6♋20 | 23°21 | 19°12 | 17°14 | 9°46 | 22°32 | 21°16 | 24°44 | 15°12 | 22°55 | 21°14 | 10°28 | 21°13 | F 23 |
| S 24 | 20 7 3 | 1°41'22 | 18° 8 | 24°52 | 20°25 | 17°47 | 9°59 | 22°37 | 21°19 | 24°44 | 15°14 | 22°53 | 21°10 | 10°34 | 21°12 | S 24 |
| S 25 | 20 11 0 | 2°38'39 | 29°59 | 26°21 | 21°39 | 18°20 | 10°13 | 22°43 | 21°22 | 24°44 | 15°15 | 22°48 | 21° 7 | 10°41 | 21°10 | S 25 |
| M26 | 20 14 56 | 3°35'55 | 11♌57 | 27°47 | 22°52 | 18°52 | 10°26 | 22°49 | 21°25 | 24°43 | 15°17 | 22°42 | 21° 4 | 10°48 | 21° 8 | M26 |
| T 27 | 20 18 53 | 4°33'12 | 24° 2 | 29°11 | 24° 6 | 19°24 | 10°39 | 22°55 | 21°28 | 24°43 | 15°18 | 22°35 | 21° 1 | 10°54 | 21° 7 | T 27 |
| W28 | 20 22 49 | 5°30'29 | 6♍17 | 0♍33 | 25°19 | 19°56 | 10°53 | 23° 0 | 21°30 | 24°43 | 15°20 | 22°27 | 20°58 | 11° 1 | 21° 5 | W28 |
| T 29 | 20 26 46 | 6°27'46 | 18°42 | 1°53 | 26°33 | 20°27 | 11° 6 | 23° 6 | 21°33 | 24°42 | 15°22 | 22°20 | 20°54 | 11° 8 | 21° 3 | T 29 |
| F 30 | 20 30 42 | 7°25'02 | 1♎19 | 3°11 | 27°46 | 20°59 | 11°20 | 23°12 | 21°36 | 24°42 | 15°23 | 22°13 | 20°51 | 11°14 | 21° 1 | F 30 |
| S 31 | 20 34 39 | 8♌22'19 | 14♎10 | 4♍26 | 29♋ 0 | 21♈29 | 11♌33 | 23♍18 | 21♊38 | 24♏42 | 15♍25 | 22♊ 9 | 20♊48 | 11♋21 | 20♓59 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n58 | 12n49 | 5n 7 | 24n 2 | 1n12 | 22n23 | 0s42 | 1s 0 | 2s55 | 19n16 | 0n21 | 5n26 | 1n56 | 22n57 | 0n 0 | 17s15 | 1n43 | 16n47 | 11n44 | 23n 8 | 23n 6 | 24n28 | 1n16 | 5n 0 |
| F 2 | 22 53 | 8 8 | 5 16 | 23 57 | 1 20 | 22 29 | 0 40 | 0 46 | 2 57 | 19 13 | 0 21 | 5 24 | 1 56 | 22 57 | 0 0 | 17 15 | 1 43 | 16 46 | 11 43 | 23 8 | 23 6 | 24 28 | 1 16 | 5 0 |
| S 3 | 22 49 | 2 59 | 5 10 | 23 49 | 1 27 | 22 35 | 0 38 | 0 33 | 2 58 | 19 10 | 0 22 | 5 22 | 1 56 | 22 58 | 0 0 | 17 15 | 1 43 | 16 45 | 11 43 | 23 8 | 23 6 | 24 29 | 1 16 | 5 0 |
| S 4 | 22 43 | 2s25 | 4 48 | 23 39 | 1 33 | 22 40 | 0 35 | 0 20 | 3 0 | 19 7 | 0 22 | 5 21 | 1 56 | 22 58 | 0 0 | 17 15 | 1 43 | 16 45 | 11 43 | 23 8 | 23 5 | 24 29 | 1 16 | 5 0 |
| M 5 | 22 38 | 7 52 | 4 9 | 23 26 | 1 38 | 22 44 | 0 33 | 0 7 | 3 1 | 19 4 | 0 22 | 5 19 | 1 56 | 22 58 | 0 0 | 17 14 | 1 43 | 16 44 | 11 43 | 23 8 | 23 5 | 24 29 | 1 16 | 5 1 |
| T 6 | 22 32 | 13 7 | 3 16 | 23 11 | 1 42 | 22 48 | 0 31 | 0n 6 | 3 3 | 19 1 | 0 22 | 5 17 | 1 56 | 22 58 | 0 0 | 17 14 | 1 43 | 16 44 | 11 42 | 23 8 | 23 5 | 24 30 | 1 16 | 5 1 |
| W 7 | 22 26 | 17 49 | 2 8 | 22 53 | 1 46 | 22 51 | 0 28 | 0 19 | 3 4 | 18 58 | 0 22 | 5 15 | 1 56 | 22 59 | 0 0 | 17 14 | 1 43 | 16 43 | 11 42 | 23 8 | 23 5 | 24 30 | 1 16 | 5 1 |
| T 8 | 22 19 | 21 32 | 0 50 | 22 33 | 1 49 | 22 53 | 0 26 | 0 32 | 3 6 | 18 55 | 0 22 | 5 13 | 1 56 | 22 59 | 0 0 | 17 14 | 1 43 | 16 42 | 11 42 | 23 9 | 23 5 | 24 31 | 1 16 | 5 1 |
| F 9 | 22 12 | 23 51 | 0s32 | 22 12 | 1 51 | 22 55 | 0 23 | 0 44 | 3 7 | 18 52 | 0 22 | 5 11 | 1 55 | 22 59 | 0 0 | 17 14 | 1 43 | 16 42 | 11 42 | 23 9 | 23 4 | 24 31 | 1 16 | 5 1 |
| S 10 | 22 4 | 24 26 | 1 53 | 21 48 | 1 53 | 22 56 | 0 21 | 0 57 | 3 9 | 18 48 | 0 22 | 5 9 | 1 55 | 22 59 | 0 0 | 17 14 | 1 43 | 16 41 | 11 42 | 23 8 | 23 4 | 24 31 | 1 16 | 5 2 |
| S 11 | 21 56 | 23 12 | 3 6 | 21 22 | 1 54 | 22 56 | 0 18 | 1 10 | 3 10 | 18 45 | 0 22 | 5 7 | 1 55 | 22 59 | 0 0 | 17 14 | 1 43 | 16 40 | 11 41 | 23 8 | 23 4 | 24 32 | 1 16 | 5 2 |
| M12 | 21 48 | 20 20 | 4 5 | 20 55 | 1 54 | 22 56 | 0 16 | 1 22 | 3 12 | 18 42 | 0 22 | 5 5 | 1 55 | 23 0 | 0 0 | 17 13 | 1 43 | 16 39 | 11 41 | 23 8 | 23 4 | 24 32 | 1 16 | 5 2 |
| T 13 | 21 39 | 16 10 | 4 47 | 20 27 | 1 53 | 22 55 | 0 13 | 1 34 | 3 13 | 18 39 | 0 22 | 5 3 | 1 55 | 23 0 | 0 0 | 17 13 | 1 43 | 16 39 | 11 41 | 23 8 | 23 4 | 24 33 | 1 15 | 5 2 |
| W14 | 21 30 | 11 11 | 5 9 | 19 57 | 1 51 | 22 53 | 0 11 | 1 47 | 3 15 | 18 35 | 0 22 | 5 1 | 1 55 | 23 0 | 0 0 | 17 13 | 1 42 | 16 38 | 11 41 | 23 8 | 23 3 | 24 33 | 1 15 | 5 2 |
| T 15 | 21 21 | 5 47 | 5 13 | 19 25 | 1 49 | 22 51 | 0 8 | 1 59 | 3 16 | 18 32 | 0 22 | 4 59 | 1 55 | 23 0 | 0 0 | 17 13 | 1 42 | 16 37 | 11 40 | 23 8 | 23 3 | 24 33 | 1 15 | 5 3 |
| F 16 | 21 11 | 0 17 | 4 58 | 18 53 | 1 47 | 22 48 | 0 6 | 2 11 | 3 18 | 18 29 | 0 22 | 4 57 | 1 55 | 23 1 | 0 0 | 17 13 | 1 42 | 16 37 | 11 40 | 23 8 | 23 3 | 24 34 | 1 15 | 5 3 |
| S 17 | 21 1 | 5n 3 | 4 29 | 18 20 | 1 43 | 22 44 | 0 3 | 2 23 | 3 19 | 18 25 | 0 22 | 4 55 | 1 54 | 23 1 | 0 0 | 17 13 | 1 42 | 16 36 | 11 40 | 23 7 | 23 3 | 24 34 | 1 14 | 5 3 |
| S 18 | 20 51 | 10 2 | 3 47 | 17 46 | 1 39 | 22 40 | 0 1 | 2 35 | 3 20 | 18 22 | 0 23 | 4 53 | 1 54 | 23 1 | 0 0 | 17 13 | 1 42 | 16 35 | 11 40 | 23 7 | 23 3 | 24 34 | 1 14 | 5 3 |
| M19 | 20 40 | 14 30 | 2 56 | 17 11 | 1 35 | 22 35 | 0n 2 | 2 46 | 3 22 | 18 19 | 0 23 | 4 51 | 1 54 | 23 1 | 0 0 | 17 13 | 1 42 | 16 34 | 11 40 | 23 8 | 23 2 | 24 35 | 1 14 | 5 3 |
| T 20 | 20 29 | 18 18 | 1 58 | 16 36 | 1 30 | 22 29 | 0 4 | 2 58 | 3 23 | 18 15 | 0 23 | 4 48 | 1 54 | 23 1 | 0 0 | 17 13 | 1 42 | 16 34 | 11 39 | 23 8 | 23 2 | 24 35 | 1 13 | 5 4 |
| W21 | 20 17 | 21 18 | 0 55 | 16 0 | 1 24 | 22 23 | 0 7 | 3 10 | 3 25 | 18 12 | 0 23 | 4 46 | 1 54 | 23 2 | 0 0 | 17 12 | 1 42 | 16 33 | 11 39 | 23 8 | 23 2 | 24 35 | 1 13 | 5 4 |
| T 22 | 20 6 | 23 21 | 0n 9 | 15 24 | 1 18 | 22 16 | 0 9 | 3 21 | 3 26 | 18 8 | 0 23 | 4 44 | 1 54 | 23 2 | 0 0 | 17 12 | 1 42 | 16 32 | 11 39 | 23 8 | 23 2 | 24 36 | 1 12 | 5 4 |
| F 23 | 19 53 | 24 22 | 1 12 | 14 47 | 1 11 | 22 8 | 0 11 | 3 32 | 3 27 | 18 5 | 0 23 | 4 42 | 1 54 | 23 2 | 0 0 | 17 12 | 1 42 | 16 31 | 11 39 | 23 8 | 23 2 | 24 36 | 1 12 | 5 4 |
| S 24 | 19 41 | 24 17 | 2 13 | 14 10 | 1 4 | 22 0 | 0 14 | 3 43 | 3 29 | 18 1 | 0 23 | 4 39 | 1 54 | 23 2 | 0 0 | 17 12 | 1 42 | 16 31 | 11 39 | 23 8 | 23 1 | 24 36 | 1 12 | 5 4 |
| S 25 | 19 28 | 23 6 | 3 8 | 13 33 | 0 56 | 21 51 | 0 16 | 3 54 | 3 30 | 17 58 | 0 23 | 4 37 | 1 54 | 23 2 | 0 0 | 17 12 | 1 42 | 16 30 | 11 39 | 23 7 | 23 1 | 24 37 | 1 11 | 5 4 |
| M26 | 19 15 | 20 53 | 3 55 | 12 56 | 0 48 | 21 42 | 0 19 | 4 5 | 3 32 | 17 54 | 0 23 | 4 35 | 1 54 | 23 3 | 0 0 | 17 12 | 1 42 | 16 29 | 11 38 | 23 7 | 23 1 | 24 37 | 1 11 | 5 5 |
| T 27 | 19 2 | 17 43 | 4 32 | 12 19 | 0 39 | 21 32 | 0 21 | 4 16 | 3 33 | 17 51 | 0 23 | 4 32 | 1 53 | 23 3 | 0 0 | 17 12 | 1 42 | 16 28 | 11 38 | 23 7 | 23 1 | 24 37 | 1 10 | 5 5 |
| W28 | 18 48 | 13 45 | 4 57 | 11 41 | 0 30 | 21 21 | 0 23 | 4 26 | 3 34 | 17 47 | 0 23 | 4 30 | 1 53 | 23 3 | 0 0 | 17 12 | 1 42 | 16 28 | 11 38 | 23 6 | 23 1 | 24 37 | 1 9 | 5 5 |
| T 29 | 18 34 | 9 10 | 5 8 | 11 4 | 0 21 | 21 9 | 0 26 | 4 37 | 3 36 | 17 44 | 0 23 | 4 28 | 1 53 | 23 3 | 0 0 | 17 12 | 1 42 | 16 27 | 11 38 | 23 6 | 23 0 | 24 38 | 1 9 | 5 5 |
| F 30 | 18 19 | 4 9 | 5 5 | 10 28 | 0 11 | 20 57 | 0 28 | 4 47 | 3 37 | 17 40 | 0 23 | 4 25 | 1 53 | 23 3 | 0 0 | 17 12 | 1 42 | 16 26 | 11 38 | 23 5 | 23 0 | 24 38 | 1 8 | 5 5 |
| S 31 | 18n 5 | 1s 9 | 4n46 | 9n51 | 0n 1 | 20n45 | 0n30 | 4n57 | 3s38 | 17n36 | 0n24 | 4n23 | 1n53 | 23n 4 | 0n 0 | 17s12 | 1n42 | 16n25 | 11n38 | 23n 5 | 23n 0 | 24n38 | 1n 8 | 5n 5 |

Julian Day Number = 2799071.5, Delta T = 49m44s
Ecliptic obliquity = 23°18'58, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°03'32, Lahiri = 37°10'32


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# ASTRODIENST EPHEMERIS for the year 2951
# geocentric

## AUGUST 2951 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 38 36 | 9♌19'36 | 27♎18 | 5♍38 | 0♌14 | 22♈ 0 | 11♌46 | 23♍25 | 21♊41 | 24°R42 | 15♍27 | 22°R 6 | 20♊45 | 11♋28 | 20°R57 | S 1 |
| M 2 | 20 42 32 | 10°16'53 | 10♏43 | 6°48 | 1°27 | 22°30 | 12° 0 | 23°31 | 21°44 | 24♏42 | 15°28 | 22°D 6 | 20°42 | 11°34 | 20♓55 | M 2 |
| T 3 | 20 46 29 | 11°14'10 | 24°29 | 7°56 | 2°41 | 23° 0 | 12°13 | 23°37 | 21°46 | 24°42 | 15°30 | 22♊ 6 | 20°39 | 11°41 | 20°53 | T 3 |
| W 4 | 20 50 25 | 12°11'27 | 8♐35 | 9° 0 | 3°55 | 23°30 | 12°27 | 23°43 | 21°49 | 24°41 | 15°32 | 22° 7 | 20°35 | 11°48 | 20°51 | W 4 |
| T 5 | 20 54 22 | 13° 8'44 | 23° 2 | 10° 2 | 5° 8 | 23°59 | 12°40 | 23°49 | 21°51 | 24°41 | 15°33 | 22°R 8 | 20°32 | 11°54 | 20°49 | T 5 |
| F 6 | 20 58 18 | 14° 6'02 | 7♑47 | 11° 1 | 6°22 | 24°28 | 12°53 | 23°56 | 21°54 | 24°D41 | 15°35 | 22° 7 | 20°29 | 12° 1 | 20°47 | F 6 |
| S 7 | 21 2 15 | 15° 3'20 | 22°44 | 11°58 | 7°36 | 24°56 | 13° 7 | 24° 2 | 21°56 | 24°41 | 15°37 | 22° 4 | 20°26 | 12° 8 | 20°45 | S 7 |
| S 8 | 21 6 11 | 16° 0'38 | 7♒47 | 12°51 | 8°50 | 25°24 | 13°20 | 24° 9 | 21°59 | 24°41 | 15°39 | 21°59 | 20°23 | 12°14 | 20°42 | S 8 |
| M 9 | 21 10 8 | 16°57'57 | 22°45 | 13°40 | 10° 3 | 25°52 | 13°33 | 24°15 | 22° 1 | 24°42 | 15°41 | 21°51 | 20°20 | 12°21 | 20°40 | M 9 |
| T 10 | 21 14 5 | 17°55'16 | 7♓31 | 14°27 | 11°17 | 26°19 | 13°47 | 24°22 | 22° 3 | 24°42 | 15°42 | 21°43 | 20°16 | 12°28 | 20°38 | T 10 |
| W11 | 21 18 1 | 18°52'36 | 21°56 | 15°10 | 12°31 | 26°46 | 14° 0 | 24°28 | 22° 6 | 24°42 | 15°44 | 21°34 | 20°13 | 12°34 | 20°35 | W11 |
| T 12 | 21 21 58 | 19°49'56 | 5♈55 | 15°49 | 13°45 | 27°13 | 14°14 | 24°35 | 22° 8 | 24°42 | 15°46 | 21°27 | 20°10 | 12°41 | 20°33 | T 12 |
| F 13 | 21 25 54 | 20°47'18 | 19°25 | 16°24 | 14°59 | 27°39 | 14°27 | 24°42 | 22°10 | 24°42 | 15°48 | 21°21 | 20° 7 | 12°48 | 20°31 | F 13 |
| S 14 | 21 29 51 | 21°44'40 | 2♉29 | 16°55 | 16°12 | 28° 5 | 14°40 | 24°48 | 22°12 | 24°42 | 15°50 | 21°17 | 20° 4 | 12°54 | 20°28 | S 14 |
| S 15 | 21 33 47 | 22°42'04 | 15° 7 | 17°23 | 17°26 | 28°30 | 14°54 | 24°55 | 22°14 | 24°43 | 15°52 | 21°15 | 20° 0 | 13° 1 | 20°26 | S 15 |
| M16 | 21 37 44 | 23°39'29 | 27°25 | 17°45 | 18°40 | 28°55 | 15° 7 | 25° 2 | 22°16 | 24°43 | 15°53 | 21°D15 | 19°57 | 13° 8 | 20°23 | M16 |
| T 17 | 21 41 40 | 24°36'54 | 9♊27 | 18° 3 | 19°54 | 29°19 | 15°20 | 25° 9 | 22°18 | 24°43 | 15°55 | 21°15 | 19°54 | 13°14 | 20°21 | T 17 |
| W18 | 21 45 37 | 25°34'21 | 21°20 | 18°17 | 21° 8 | 29°43 | 15°33 | 25°16 | 22°20 | 24°44 | 15°57 | 21°R16 | 19°51 | 13°21 | 20°18 | W18 |
| T 19 | 21 49 34 | 26°31'49 | 3♋ 7 | 18°25 | 22°22 | 0♉ 6 | 15°47 | 25°23 | 22°22 | 24°44 | 15°59 | 21°15 | 19°48 | 13°27 | 20°16 | T 19 |
| F 20 | 21 53 30 | 27°29'18 | 14°55 | 18°R29 | 23°36 | 0°29 | 16° 0 | 25°30 | 22°24 | 24°45 | 16° 1 | 21°12 | 19°45 | 13°34 | 20°13 | F 20 |
| S 21 | 21 57 27 | 28°26'48 | 26°46 | 18°27 | 24°50 | 0°51 | 16°13 | 25°37 | 22°26 | 24°45 | 16° 3 | 21° 7 | 19°41 | 13°41 | 20°10 | S 21 |
| S 22 | 22 1 23 | 29°24'19 | 8♌44 | 18°20 | 26° 4 | 1°13 | 16°26 | 25°44 | 22°28 | 24°46 | 16° 5 | 20°59 | 19°38 | 13°47 | 20° 8 | S 22 |
| M23 | 22 5 20 | 0♍21'51 | 20°51 | 18° 8 | 27°18 | 1°34 | 16°40 | 25°51 | 22°30 | 24°46 | 16° 7 | 20°49 | 19°35 | 13°54 | 20° 5 | M23 |
| T 24 | 22 9 16 | 1°19'24 | 3♍ 9 | 17°50 | 28°32 | 1°54 | 16°53 | 25°58 | 22°31 | 24°47 | 16° 9 | 20°38 | 19°32 | 14° 1 | 20° 2 | T 24 |
| W25 | 22 13 13 | 2°16'58 | 15°39 | 17°27 | 29°46 | 2°15 | 17° 6 | 26° 5 | 22°33 | 24°47 | 16°11 | 20°25 | 19°29 | 14° 7 | 19°59 | W25 |
| T 26 | 22 17 9 | 3°14'33 | 28°20 | 16°59 | 1♍ 0 | 2°34 | 17°19 | 26°12 | 22°35 | 24°48 | 16°13 | 20°13 | 19°26 | 14°14 | 19°57 | T 26 |
| F 27 | 22 21 6 | 4°12'08 | 11♎14 | 16°26 | 2°14 | 2°53 | 17°32 | 26°19 | 22°36 | 24°49 | 16°15 | 20° 3 | 19°22 | 14°21 | 19°54 | F 27 |
| S 28 | 22 25 3 | 5° 9'45 | 24°18 | 15°49 | 3°29 | 3°11 | 17°45 | 26°27 | 22°38 | 24°49 | 16°17 | 19°55 | 19°19 | 14°27 | 19°51 | S 28 |
| S 29 | 22 28 59 | 6° 7'23 | 7♏36 | 15° 8 | 4°43 | 3°29 | 17°58 | 26°34 | 22°40 | 24°50 | 16°19 | 19°50 | 19°16 | 14°34 | 19°48 | S 29 |
| M30 | 22 32 56 | 7° 5'02 | 21° 5 | 14°22 | 5°57 | 3°45 | 18°11 | 26°41 | 22°41 | 24°51 | 16°21 | 19°47 | 19°13 | 14°41 | 19°45 | M30 |
| T 31 | 22 36 52 | 8♍ 2'41 | 4♐49 | 13♍35 | 7♍11 | 4♉ 2 | 18♌24 | 26♍48 | 22♊42 | 24♏52 | 16♍23 | 19°D46 | 19♊10 | 14♋47 | 19♓43 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n50 | 6s31 | 4n13 | 9n15 | 0s 9 | 20n32 | 0n32 | 5n 7 | 3s40 | 17n33 | 0n24 | 4n20 | 1n53 | 23n 4 | 0n 0 | 17s12 | 1n42 | 16n25 | 11n38 | 23n 5 | 23n 0 | 24n39 | 1n 7 | 5n 5 |
| M 2 | 17 35 | 11 43 | 3 24 | 8 39 | 0 20 | 20 18 | 0 35 | 5 17 | 3 41 | 17 29 | 0 24 | 4 18 | 1 53 | 23 4 | 0 0 | 17 12 | 1 41 | 16 24 | 11 37 | 23 5 | 23 0 | 24 39 | 1 6 | 5 6 |
| T 3 | 17 19 | 16 28 | 2 23 | 8 4 | 0 31 | 20 3 | 0 37 | 5 27 | 3 42 | 17 26 | 0 24 | 4 15 | 1 53 | 23 4 | 0 0 | 17 12 | 1 41 | 16 23 | 11 37 | 23 5 | 22 59 | 24 39 | 1 6 | 5 6 |
| W 4 | 17 3 | 20 26 | 1 12 | 7 30 | 0 43 | 19 48 | 0 39 | 5 37 | 3 44 | 17 22 | 0 24 | 4 13 | 1 53 | 23 4 | 0 0 | 17 12 | 1 41 | 16 22 | 11 37 | 23 5 | 22 59 | 24 39 | 1 5 | 5 6 |
| T 5 | 16 47 | 23 13 | 0s 5 | 6 56 | 0 54 | 19 33 | 0 41 | 5 46 | 3 45 | 17 18 | 0 24 | 4 10 | 1 53 | 23 4 | 0 0 | 17 12 | 1 41 | 16 21 | 11 37 | 23 5 | 22 59 | 24 39 | 1 4 | 5 6 |
| F 6 | 16 31 | 24 28 | 1 23 | 6 23 | 1 6 | 19 17 | 0 43 | 5 55 | 3 46 | 17 15 | 0 24 | 4 7 | 1 53 | 23 5 | 0 0 | 17 12 | 1 41 | 16 21 | 11 37 | 23 5 | 22 59 | 24 40 | 1 4 | 5 6 |
| S 7 | 16 14 | 23 59 | 2 37 | 5 50 | 1 18 | 19 0 | 0 45 | 6 4 | 3 47 | 17 11 | 0 24 | 4 5 | 1 53 | 23 5 | 0 0 | 17 12 | 1 41 | 16 20 | 11 37 | 23 5 | 22 58 | 24 40 | 1 3 | 5 6 |
| S 8 | 15 57 | 21 46 | 3 40 | 5 19 | 1 30 | 18 43 | 0 47 | 6 13 | 3 49 | 17 7 | 0 24 | 4 2 | 1 53 | 23 5 | 0 0 | 17 12 | 1 41 | 16 19 | 11 37 | 23 4 | 22 58 | 24 40 | 1 2 | 5 6 |
| M 9 | 15 40 | 18 4 | 4 27 | 4 48 | 1 43 | 18 25 | 0 49 | 6 22 | 3 50 | 17 3 | 0 24 | 4 0 | 1 52 | 23 5 | 0 0 | 17 13 | 1 41 | 16 18 | 11 37 | 23 4 | 22 58 | 24 40 | 1 1 | 5 6 |
| T 10 | 15 23 | 13 17 | 4 56 | 4 19 | 1 55 | 18 7 | 0 51 | 6 31 | 3 51 | 17 0 | 0 24 | 3 57 | 1 52 | 23 5 | 0 0 | 17 13 | 1 41 | 16 18 | 11 37 | 23 4 | 22 58 | 24 41 | 1 0 | 5 7 |
| W11 | 15 5 | 7 52 | 5 5 | 3 51 | 2 8 | 17 49 | 0 53 | 6 39 | 3 52 | 16 56 | 0 24 | 3 54 | 1 52 | 23 5 | 0 0 | 17 13 | 1 41 | 16 17 | 11 36 | 23 3 | 22 57 | 24 41 | 1 0 | 5 7 |
| T 12 | 14 47 | 2 12 | 4 56 | 3 25 | 2 20 | 17 29 | 0 55 | 6 48 | 3 53 | 16 52 | 0 25 | 3 52 | 1 52 | 23 5 | 0 0 | 17 13 | 1 41 | 16 16 | 11 36 | 23 3 | 22 57 | 24 41 | 0 59 | 5 7 |
| F 13 | 14 29 | 3n24 | 4 30 | 2 59 | 2 33 | 17 10 | 0 57 | 6 56 | 3 55 | 16 48 | 0 25 | 3 49 | 1 52 | 23 6 | 0 0 | 17 13 | 1 41 | 16 15 | 11 36 | 23 2 | 22 57 | 24 41 | 0 58 | 5 7 |
| S 14 | 14 11 | 8 39 | 3 51 | 2 36 | 2 45 | 16 49 | 0 58 | 7 4 | 3 56 | 16 45 | 0 25 | 3 46 | 1 52 | 23 6 | 0 0 | 17 13 | 1 41 | 16 14 | 11 36 | 23 2 | 22 57 | 24 41 | 0 57 | 5 7 |
| S 15 | 13 53 | 13 24 | 3 1 | 2 14 | 2 58 | 16 29 | 1 0 | 7 12 | 3 57 | 16 41 | 0 25 | 3 44 | 1 52 | 23 6 | 0 0 | 17 13 | 1 41 | 16 14 | 11 36 | 23 2 | 22 57 | 24 41 | 0 56 | 5 7 |
| M16 | 13 34 | 17 28 | 2 4 | 1 54 | 3 10 | 16 8 | 1 2 | 7 19 | 3 58 | 16 37 | 0 25 | 3 41 | 1 52 | 23 6 | 0 0 | 17 13 | 1 41 | 16 13 | 11 36 | 23 2 | 22 56 | 24 42 | 0 55 | 5 7 |
| T 17 | 13 15 | 20 43 | 1 3 | 1 36 | 3 22 | 15 46 | 1 3 | 7 27 | 3 59 | 16 33 | 0 25 | 3 38 | 1 52 | 23 6 | 0 0 | 17 13 | 1 41 | 16 12 | 11 36 | 23 2 | 22 56 | 24 42 | 0 54 | 5 7 |
| W18 | 12 56 | 23 2 | 0n 0 | 1 20 | 3 34 | 15 24 | 1 5 | 7 34 | 4 0 | 16 29 | 0 25 | 3 35 | 1 52 | 23 6 | 0 0 | 17 14 | 1 41 | 16 11 | 11 36 | 23 2 | 22 56 | 24 42 | 0 53 | 5 7 |
| T 19 | 12 37 | 24 20 | 1 3 | 1 6 | 3 45 | 15 2 | 1 6 | 7 41 | 4 1 | 16 26 | 0 25 | 3 32 | 1 52 | 23 6 | 0 0 | 17 14 | 1 41 | 16 10 | 11 36 | 23 2 | 22 56 | 24 42 | 0 52 | 5 7 |
| F 20 | 12 17 | 24 31 | 2 3 | 0 54 | 3 56 | 14 39 | 1 8 | 7 48 | 4 2 | 16 22 | 0 25 | 3 30 | 1 52 | 23 6 | 0 0 | 17 14 | 1 40 | 16 10 | 11 36 | 23 2 | 22 55 | 24 42 | 0 51 | 5 7 |
| S 21 | 11 57 | 23 36 | 2 57 | 0 46 | 4 6 | 14 16 | 1 9 | 7 55 | 4 3 | 16 18 | 0 25 | 3 27 | 1 52 | 23 7 | 0 0 | 17 14 | 1 40 | 16 9 | 11 36 | 23 1 | 22 55 | 24 42 | 0 51 | 5 7 |
| S 22 | 11 37 | 21 36 | 3 44 | 0 40 | 4 16 | 13 52 | 1 10 | 8 1 | 4 4 | 16 14 | 0 25 | 3 24 | 1 52 | 23 7 | 0 1 | 17 14 | 1 40 | 16 8 | 11 36 | 23 1 | 22 55 | 24 42 | 0 50 | 5 7 |
| M23 | 11 17 | 18 36 | 4 22 | 0 36 | 4 24 | 13 28 | 1 12 | 8 8 | 4 5 | 16 10 | 0 26 | 3 21 | 1 52 | 23 7 | 0 1 | 17 14 | 1 40 | 16 7 | 11 36 | 23 0 | 22 55 | 24 42 | 0 49 | 5 7 |
| T 24 | 10 57 | 14 46 | 4 48 | 0 36 | 4 32 | 13 4 | 1 13 | 8 14 | 4 6 | 16 6 | 0 26 | 3 18 | 1 52 | 23 7 | 0 1 | 17 15 | 1 40 | 16 6 | 11 36 | 22 59 | 22 54 | 24 43 | 0 47 | 5 7 |
| W25 | 10 37 | 10 15 | 5 0 | 0 39 | 4 39 | 12 39 | 1 14 | 8 20 | 4 6 | 16 2 | 0 26 | 3 16 | 1 52 | 23 7 | 0 1 | 17 15 | 1 40 | 16 6 | 11 36 | 22 58 | 22 54 | 24 43 | 0 46 | 5 7 |
| T 26 | 10 16 | 5 14 | 4 59 | 0 45 | 4 44 | 12 14 | 1 15 | 8 25 | 4 7 | 15 59 | 0 26 | 3 13 | 1 52 | 23 7 | 0 1 | 17 15 | 1 40 | 16 5 | 11 36 | 22 57 | 22 54 | 24 43 | 0 45 | 5 7 |
| F 27 | 9 55 | 0s 6 | 4 41 | 0 53 | 4 48 | 11 49 | 1 16 | 8 31 | 4 8 | 15 55 | 0 26 | 3 10 | 1 52 | 23 7 | 0 1 | 17 15 | 1 40 | 16 4 | 11 36 | 22 57 | 22 54 | 24 43 | 0 44 | 5 8 |
| S 28 | 9 34 | 5 30 | 4 10 | 1 6 | 4 51 | 11 23 | 1 17 | 8 36 | 4 9 | 15 51 | 0 26 | 3 7 | 1 52 | 23 7 | 0 1 | 17 15 | 1 40 | 16 3 | 11 36 | 22 56 | 22 53 | 24 43 | 0 43 | 5 8 |
| S 29 | 9 13 | 10 46 | 3 24 | 1 21 | 4 52 | 10 57 | 1 18 | 8 42 | 4 10 | 15 47 | 0 26 | 3 4 | 1 52 | 23 7 | 0 1 | 17 16 | 1 40 | 16 3 | 11 36 | 22 56 | 22 53 | 24 43 | 0 42 | 5 8 |
| M30 | 8 52 | 15 36 | 2 26 | 1 38 | 4 51 | 10 31 | 1 19 | 8 47 | 4 10 | 15 43 | 0 26 | 3 1 | 1 52 | 23 8 | 0 1 | 17 16 | 1 40 | 16 2 | 11 36 | 22 56 | 22 53 | 24 43 | 0 41 | 5 8 |
| T 31 | 8n31 | 19s42 | 1n18 | 1n59 | 4s48 | 10n 4 | 1n20 | 8n51 | 4s11 | 15n39 | 0n26 | 2n58 | 1n52 | 23n 8 | 0n 1 | 17s16 | 1n40 | 16n 1 | 11n36 | 22n55 | 22n53 | 24n43 | 0n40 | 5n 8 |

Julian Day Number = 2799102.5, Delta T = 49m45s
Ecliptic obliquity = 23°18'59, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°03'36, Lahiri = 37°10'37


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# ASTRODIENST EPHEMERIS for the year 2951
# geocentric

## SEPTEMBER 2951 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 22 40 49 | 9♍ 0'22 | 18♐47 | 12°R45 | 8♍25 | 4♉17 | 18♌37 | 26♍56 | 22♊44 | 24♏52 | 16♍25 | 19°R46 | 19♊ 6 | 14♋54 | 19°R40 | W 1 |
| T 2 | 22 44 45 | 9°58'03 | 2♑59 | 11♍53 | 9°39 | 4°32 | 18°50 | 27° 3 | 22°45 | 24°53 | 16°26 | 19♊46 | 19° 3 | 15° 1 | 19♓37 | T 2 |
| F 3 | 22 48 42 | 10°55'46 | 17°25 | 11° 2 | 10°54 | 4°47 | 19° 3 | 27°10 | 22°46 | 24°54 | 16°28 | 19°44 | 19° 0 | 15° 7 | 19°34 | F 3 |
| S 4 | 22 52 38 | 11°53'29 | 2♒ 1 | 10°11 | 12° 8 | 5° 0 | 19°16 | 27°18 | 22°48 | 24°55 | 16°30 | 19°39 | 18°57 | 15°14 | 19°31 | S 4 |
| S 5 | 22 56 35 | 12°51'14 | 16°42 | 9°23 | 13°22 | 5°13 | 19°29 | 27°25 | 22°49 | 24°56 | 16°32 | 19°32 | 18°54 | 15°21 | 19°28 | S 5 |
| M 6 | 23 0 32 | 13°48'59 | 1♓22 | 8°37 | 14°36 | 5°25 | 19°41 | 27°33 | 22°50 | 24°57 | 16°34 | 19°22 | 18°51 | 15°27 | 19°25 | M 6 |
| T 7 | 23 4 28 | 14°46'46 | 15°54 | 7°55 | 15°50 | 5°37 | 19°54 | 27°40 | 22°51 | 24°58 | 16°36 | 19°11 | 18°47 | 15°34 | 19°22 | T 7 |
| W 8 | 23 8 25 | 15°44'34 | 0♈ 9 | 7°17 | 17° 5 | 5°48 | 20° 7 | 27°47 | 22°52 | 24°59 | 16°39 | 18°59 | 18°44 | 15°41 | 19°19 | W 8 |
| T 9 | 23 12 21 | 16°42'24 | 14° 2 | 6°46 | 18°19 | 5°57 | 20°19 | 27°55 | 22°53 | 25° 0 | 16°41 | 18°49 | 18°41 | 15°47 | 19°17 | T 9 |
| F 10 | 23 16 18 | 17°40'15 | 27°31 | 6°20 | 19°33 | 6° 7 | 20°32 | 28° 2 | 22°54 | 25° 1 | 16°43 | 18°40 | 18°38 | 15°54 | 19°14 | F 10 |
| S 11 | 23 20 14 | 18°38'08 | 10♉34 | 6° 2 | 20°48 | 6°15 | 20°44 | 28°10 | 22°55 | 25° 2 | 16°45 | 18°34 | 18°35 | 16° 1 | 19°11 | S 11 |
| S 12 | 23 24 11 | 19°36'02 | 23°13 | 5°51 | 22° 2 | 6°23 | 20°57 | 28°17 | 22°56 | 25° 3 | 16°47 | 18°30 | 18°31 | 16° 7 | 19° 8 | S 12 |
| M13 | 23 28 7 | 20°33'58 | 5♊32 | 5°D48 | 23°16 | 6°29 | 21° 9 | 28°25 | 22°57 | 25° 4 | 16°49 | 18°28 | 18°28 | 16°14 | 19° 5 | M13 |
| T 14 | 23 32 4 | 21°31'57 | 17°36 | 5°53 | 24°31 | 6°35 | 21°22 | 28°32 | 22°57 | 25° 6 | 16°51 | 18°28 | 18°25 | 16°21 | 19° 2 | T 14 |
| W15 | 23 36 1 | 22°29'56 | 29°29 | 6° 7 | 25°45 | 6°40 | 21°34 | 28°40 | 22°58 | 25° 7 | 16°53 | 18°28 | 18°22 | 16°27 | 18°59 | W15 |
| T 16 | 23 39 57 | 23°27'58 | 11♋18 | 6°29 | 26°59 | 6°45 | 21°46 | 28°47 | 22°59 | 25° 8 | 16°55 | 18°27 | 18°19 | 16°34 | 18°56 | T 16 |
| F 17 | 23 43 54 | 24°26'02 | 23° 7 | 6°59 | 28°14 | 6°48 | 21°59 | 28°55 | 22°59 | 25° 9 | 16°57 | 18°24 | 18°16 | 16°41 | 18°53 | F 17 |
| S 18 | 23 47 50 | 25°24'07 | 5♌ 2 | 7°37 | 29°28 | 6°51 | 22°11 | 29° 2 | 23° 0 | 25°11 | 16°59 | 18°19 | 18°12 | 16°47 | 18°50 | S 18 |
| S 19 | 23 51 47 | 26°22'14 | 17° 6 | 8°24 | 0♎43 | 6°52 | 22°23 | 29°10 | 23° 0 | 25°12 | 17° 0 | 18°11 | 18° 9 | 16°54 | 18°47 | S 19 |
| M20 | 23 55 43 | 27°20'23 | 29°23 | 9°18 | 1°57 | 6°R53 | 22°35 | 29°18 | 23° 1 | 25°13 | 17° 2 | 18° 1 | 18° 6 | 17° 1 | 18°44 | M20 |
| T 21 | 23 59 40 | 28°18'34 | 11♍54 | 10°19 | 3°11 | 6°53 | 22°47 | 29°25 | 23° 1 | 25°15 | 17° 4 | 17°49 | 18° 3 | 17° 7 | 18°42 | T 21 |
| W22 | 0 3 36 | 29°16'46 | 24°40 | 11°27 | 4°26 | 6°52 | 22°59 | 29°33 | 23° 2 | 25°16 | 17° 6 | 17°36 | 18° 0 | 17°14 | 18°39 | W22 |
| T 23 | 0 7 33 | 0♎15'00 | 7♎41 | 12°41 | 5°40 | 6°50 | 23°11 | 29°40 | 23° 2 | 25°18 | 17° 8 | 17°23 | 17°57 | 17°21 | 18°36 | T 23 |
| F 24 | 0 11 29 | 1°13'15 | 20°56 | 14° 2 | 6°55 | 6°48 | 23°23 | 29°48 | 23° 2 | 25°19 | 17°10 | 17°12 | 17°53 | 17°27 | 18°33 | F 24 |
| S 25 | 0 15 26 | 2°11'33 | 4♏23 | 15°27 | 8° 9 | 6°44 | 23°35 | 29°55 | 23° 2 | 25°21 | 17°12 | 17° 4 | 17°50 | 17°34 | 18°30 | S 25 |
| S 26 | 0 19 23 | 3° 9'52 | 17°59 | 16°58 | 9°24 | 6°40 | 23°46 | 0♎ 3 | 23° 3 | 25°22 | 17°14 | 16°58 | 17°47 | 17°41 | 18°27 | S 26 |
| M27 | 0 23 19 | 4° 8'12 | 1♐44 | 18°33 | 10°38 | 6°34 | 23°58 | 0°11 | 23° 3 | 25°24 | 17°16 | 16°55 | 17°44 | 17°47 | 18°25 | M27 |
| T 28 | 0 27 16 | 5° 6'34 | 15°37 | 20°11 | 11°53 | 6°28 | 24°10 | 0°18 | 23°R 3 | 25°25 | 17°18 | 16°D55 | 17°41 | 17°54 | 18°22 | T 28 |
| W29 | 0 31 12 | 6° 4'58 | 29°37 | 21°53 | 13° 7 | 6°21 | 24°21 | 0°26 | 23° 3 | 25°27 | 17°20 | 16°R55 | 17°37 | 18° 1 | 18°19 | W29 |
| T 30 | 0 35 9 | 7♎ 3'23 | 13♑43 | 23♍37 | 14♎22 | 6♉13 | 24♌33 | 0♎33 | 23♊ 3 | 25♏28 | 17♍22 | 16♊55 | 17♊34 | 18♋ 7 | 18♓16 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 8n 9 | 22s46 | 0n 5 | 2n22 | 4s44 | 9n37 | 1n21 | 8n56 | 4s11 | 15n35 | 0n27 | 2n55 | 1n52 | 23n 8 | 0n 1 | 17s16 | 1n40 | 16n 0 | 11n36 | 22n55 | 22n52 | 24n43 | 0n39 | 5n 7 | |
| T 2 | 7 48 | 24 26 | 1s 9 | 2 47 | 4 37 | 9 10 | 1 22 | 9 0 | 4 12 | 15 31 | 0 27 | 2 53 | 1 52 | 23 8 | 0 1 | 17 17 | 1 40 | 16 0 | 11 36 | 22 55 | 22 52 | 24 43 | 0 38 | 5 7 | |
| F 3 | 7 26 | 24 31 | 2 21 | 3 14 | 4 29 | 8 43 | 1 22 | 9 5 | 4 12 | 15 28 | 0 27 | 2 50 | 1 52 | 23 8 | 0 1 | 17 17 | 1 40 | 15 59 | 11 36 | 22 55 | 22 52 | 24 43 | 0 37 | 5 7 | |
| S 4 | 7 4 | 22 55 | 3 24 | 3 43 | 4 19 | 8 15 | 1 23 | 9 9 | 4 13 | 15 24 | 0 27 | 2 47 | 1 52 | 23 8 | 0 1 | 17 17 | 1 40 | 15 58 | 11 36 | 22 55 | 22 52 | 24 43 | 0 35 | 5 7 | |
| S 5 | 6 42 | 19 46 | 4 13 | 4 12 | 4 7 | 7 47 | 1 23 | 9 13 | 4 13 | 15 20 | 0 27 | 2 44 | 1 52 | 23 8 | 0 1 | 17 17 | 1 40 | 15 57 | 11 36 | 22 54 | 22 51 | 24 43 | 0 34 | 5 7 | |
| M 6 | 6 20 | 15 23 | 4 46 | 4 41 | 3 54 | 7 19 | 1 24 | 9 16 | 4 14 | 15 16 | 0 27 | 2 41 | 1 52 | 23 8 | 0 1 | 17 18 | 1 40 | 15 57 | 11 36 | 22 54 | 22 51 | 24 43 | 0 33 | 5 7 | |
| T 7 | 5 58 | 10 9 | 5 0 | 5 10 | 3 39 | 6 51 | 1 24 | 9 20 | 4 14 | 15 12 | 0 27 | 2 38 | 1 52 | 23 8 | 0 1 | 17 18 | 1 39 | 15 56 | 11 36 | 22 53 | 22 51 | 24 43 | 0 32 | 5 7 | |
| W 8 | 5 36 | 4 27 | 4 55 | 5 39 | 3 23 | 6 22 | 1 24 | 9 23 | 4 14 | 15 8 | 0 27 | 2 35 | 1 52 | 23 8 | 0 1 | 17 18 | 1 39 | 15 55 | 11 36 | 22 52 | 22 51 | 24 43 | 0 31 | 5 7 | |
| T 9 | 5 13 | 1n19 | 4 32 | 6 6 | 3 6 | 5 54 | 1 25 | 9 26 | 4 14 | 15 4 | 0 27 | 2 32 | 1 52 | 23 8 | 0 1 | 17 19 | 1 39 | 15 54 | 11 36 | 22 51 | 22 50 | 24 43 | 0 30 | 5 7 | |
| F 10 | 4 51 | 6 52 | 3 55 | 6 32 | 2 48 | 5 25 | 1 25 | 9 29 | 4 15 | 15 0 | 0 28 | 2 29 | 1 52 | 23 8 | 0 1 | 17 19 | 1 39 | 15 54 | 11 36 | 22 50 | 22 50 | 24 43 | 0 28 | 5 7 | |
| S 11 | 4 28 | 11 58 | 3 6 | 6 56 | 2 30 | 4 56 | 1 25 | 9 31 | 4 15 | 14 57 | 0 28 | 2 26 | 1 52 | 23 8 | 0 1 | 17 19 | 1 39 | 15 53 | 11 36 | 22 50 | 22 50 | 24 43 | 0 27 | 5 7 | |
| S 12 | 4 6 | 16 24 | 2 9 | 7 17 | 2 11 | 4 27 | 1 25 | 9 34 | 4 15 | 14 53 | 0 28 | 2 23 | 1 52 | 23 8 | 0 1 | 17 20 | 1 39 | 15 52 | 11 36 | 22 49 | 22 49 | 24 43 | 0 26 | 5 7 | |
| M13 | 3 43 | 20 0 | 1 8 | 7 36 | 1 52 | 3 58 | 1 25 | 9 36 | 4 15 | 14 49 | 0 28 | 2 20 | 1 52 | 23 9 | 0 1 | 17 20 | 1 39 | 15 52 | 11 36 | 22 49 | 22 49 | 24 43 | 0 25 | 5 7 | |
| T 14 | 3 20 | 22 40 | 0 5 | 7 51 | 1 33 | 3 28 | 1 25 | 9 38 | 4 14 | 14 45 | 0 28 | 2 17 | 1 52 | 23 9 | 0 1 | 17 20 | 1 39 | 15 51 | 11 37 | 22 49 | 22 49 | 24 43 | 0 24 | 5 7 | |
| W15 | 2 58 | 24 17 | 0n58 | 8 4 | 1 15 | 2 59 | 1 25 | 9 40 | 4 14 | 14 41 | 0 28 | 2 14 | 1 52 | 23 9 | 0 1 | 17 21 | 1 39 | 15 50 | 11 37 | 22 49 | 22 49 | 24 43 | 0 22 | 5 7 | |
| T 16 | 2 35 | 24 48 | 1 58 | 8 13 | 0 57 | 2 29 | 1 25 | 9 42 | 4 14 | 14 37 | 0 28 | 2 11 | 1 52 | 23 9 | 0 1 | 17 21 | 1 39 | 15 49 | 11 37 | 22 49 | 22 48 | 24 43 | 0 21 | 5 7 | |
| F 17 | 2 12 | 24 11 | 2 53 | 8 18 | 0 39 | 2 0 | 1 24 | 9 43 | 4 14 | 14 33 | 0 28 | 2 8 | 1 52 | 23 9 | 0 1 | 17 21 | 1 39 | 15 49 | 11 37 | 22 49 | 22 48 | 24 43 | 0 20 | 5 7 | |
| S 18 | 1 49 | 22 28 | 3 40 | 8 19 | 0 22 | 1 30 | 1 24 | 9 44 | 4 13 | 14 30 | 0 28 | 2 5 | 1 52 | 23 9 | 0 1 | 17 22 | 1 39 | 15 48 | 11 37 | 22 48 | 22 48 | 24 43 | 0 19 | 5 6 | |
| S 19 | 1 26 | 19 44 | 4 18 | 8 17 | 0 6 | 1 0 | 1 24 | 9 45 | 4 13 | 14 26 | 0 29 | 2 3 | 1 52 | 23 9 | 0 1 | 17 22 | 1 39 | 15 47 | 11 37 | 22 48 | 22 48 | 24 43 | 0 17 | 5 6 | |
| M20 | 1 3 | 16 5 | 4 45 | 8 11 | 0n 9 | 0 30 | 1 23 | 9 46 | 4 12 | 14 22 | 0 29 | 2 0 | 1 52 | 23 9 | 0 1 | 17 22 | 1 39 | 15 47 | 11 37 | 22 47 | 22 47 | 24 43 | 0 16 | 5 6 | |
| T 21 | 0 40 | 11 40 | 4 59 | 8 1 | 0 23 | 0 0 | 1 23 | 9 47 | 4 12 | 14 18 | 0 29 | 1 57 | 1 52 | 23 9 | 0 1 | 17 23 | 1 39 | 15 46 | 11 37 | 22 46 | 22 47 | 24 43 | 0 15 | 5 6 | |
| W22 | 0 17 | 6 40 | 4 58 | 7 48 | 0 37 | 0s30 | 1 22 | 9 47 | 4 11 | 14 15 | 0 29 | 1 54 | 1 52 | 23 9 | 0 1 | 17 23 | 1 39 | 15 45 | 11 38 | 22 44 | 22 47 | 24 43 | 0 14 | 5 6 | |
| T 23 | 0s 6 | 1 18 | 4 42 | 7 31 | 0 49 | 1 0 | 1 21 | 9 47 | 4 10 | 14 11 | 0 29 | 1 51 | 1 52 | 23 9 | 0 1 | 17 23 | 1 39 | 15 45 | 11 38 | 22 43 | 22 46 | 24 43 | 0 13 | 5 6 | |
| F 24 | 0 29 | 4s15 | 4 11 | 7 10 | 1 0 | 1 30 | 1 21 | 9 47 | 4 9 | 14 7 | 0 29 | 1 48 | 1 52 | 23 9 | 0 1 | 17 24 | 1 39 | 15 44 | 11 38 | 22 42 | 22 46 | 24 42 | 0 11 | 5 6 | |
| S 25 | 0 52 | 9 41 | 3 25 | 6 46 | 1 10 | 1 59 | 1 20 | 9 47 | 4 8 | 14 3 | 0 29 | 1 45 | 1 52 | 23 9 | 0 1 | 17 24 | 1 39 | 15 44 | 11 38 | 22 41 | 22 46 | 24 42 | 0 10 | 5 5 | |
| S 26 | 1 15 | 14 45 | 2 27 | 6 20 | 1 18 | 2 29 | 1 19 | 9 47 | 4 7 | 14 0 | 0 29 | 1 42 | 1 52 | 23 9 | 0 1 | 17 25 | 1 39 | 15 43 | 11 38 | 22 41 | 22 46 | 24 42 | 0 9 | 5 5 | |
| M27 | 1 38 | 19 6 | 1 20 | 5 50 | 1 26 | 2 59 | 1 18 | 9 46 | 4 6 | 13 56 | 0 30 | 1 39 | 1 52 | 23 9 | 0 1 | 17 25 | 1 39 | 15 42 | 11 38 | 22 41 | 22 45 | 24 42 | 0 8 | 5 5 | |
| T 28 | 2 1 | 22 26 | 0 7 | 5 17 | 1 32 | 3 29 | 1 17 | 9 46 | 4 4 | 13 52 | 0 30 | 1 36 | 1 52 | 23 9 | 0 1 | 17 25 | 1 38 | 15 42 | 11 38 | 22 41 | 22 45 | 24 42 | 0 6 | 5 5 | |
| W29 | 2 24 | 24 26 | 1s 7 | 4 42 | 1 38 | 3 59 | 1 16 | 9 45 | 4 3 | 13 48 | 0 30 | 1 33 | 1 52 | 23 9 | 0 1 | 17 26 | 1 38 | 15 41 | 11 39 | 22 41 | 22 45 | 24 42 | 0 5 | 5 5 | |
| T 30 | 2s47 | 24s53 | 2s17 | 4n 5 | 1n42 | 4s29 | 1n15 | 9n44 | 4s 1 | 13n45 | 0n30 | 1n30 | 1n52 | 23n 9 | 0n 1 | 17s26 | 1n38 | 15n40 | 11n39 | 22n41 | 22n44 | 24n42 | 0n 4 | 5n 5 | |

Julian Day Number = 2799133.5, Delta T = 49m45s
Ecliptic obliquity = 23°19'00, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°03'40, Lahiri = 37°10'41


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# ASTRODIENST EPHEMERIS for the year 2951
# geocentric

## OCTOBER 2951 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 0 39 5 | 8♎ 1'49 | 27♉55 | 25♍23 | 15♎36 | 6°R 5 | 24♌44 | 0♎41 | 23°R 3 | 25♏30 | 17♍24 | 16°R53 | 17♊31 | 18♋14 | 18°R14 | F 1 |
| S 2 | 0 43 2 | 9° 0'17 | 12♒10 | 27°12 | 16°51 | 5♉56 | 24°55 | 0°48 | 23♊ 2 | 25°32 | 17°26 | 16♊50 | 17°28 | 18°21 | 18♓11 | S 2 |
| S 3 | 0 46 58 | 9°58'47 | 26°27 | 29° 1 | 18° 5 | 5°45 | 25° 6 | 0°56 | 23° 2 | 25°33 | 17°28 | 16°43 | 17°25 | 18°27 | 18° 8 | S 3 |
| M 4 | 0 50 55 | 10°57'18 | 10♓41 | 0♎51 | 19°20 | 5°35 | 25°17 | 1° 3 | 23° 2 | 25°35 | 17°30 | 16°35 | 17°22 | 18°34 | 18° 6 | M 4 |
| T 5 | 0 54 52 | 11°55'51 | 24°47 | 2°42 | 20°34 | 5°23 | 25°29 | 1°11 | 23° 2 | 25°37 | 17°31 | 16°25 | 17°18 | 18°41 | 18° 3 | T 5 |
| W 6 | 0 58 48 | 12°54'25 | 8♈41 | 4°34 | 21°49 | 5°11 | 25°39 | 1°18 | 23° 1 | 25°39 | 17°33 | 16°14 | 17°15 | 18°47 | 18° 1 | W 6 |
| T 7 | 1 2 45 | 13°53'02 | 22°17 | 6°25 | 23° 3 | 4°58 | 25°50 | 1°26 | 23° 1 | 25°40 | 17°35 | 16° 4 | 17°12 | 18°54 | 17°58 | T 7 |
| F 8 | 1 6 41 | 14°51'40 | 5♉34 | 8°16 | 24°18 | 4°44 | 26° 1 | 1°33 | 23° 0 | 25°42 | 17°37 | 15°56 | 17° 9 | 19° 1 | 17°55 | F 8 |
| S 9 | 1 10 38 | 15°50'21 | 18°30 | 10° 8 | 25°32 | 4°30 | 26°12 | 1°40 | 23° 0 | 25°44 | 17°39 | 15°51 | 17° 6 | 19° 7 | 17°53 | S 9 |
| S 10 | 1 14 34 | 16°49'03 | 1♊ 6 | 11°58 | 26°47 | 4°15 | 26°23 | 1°48 | 22°59 | 25°46 | 17°41 | 15°47 | 17° 2 | 19°14 | 17°51 | S 10 |
| M11 | 1 18 31 | 17°47'48 | 13°24 | 13°48 | 28° 1 | 4° 0 | 26°33 | 1°55 | 22°59 | 25°48 | 17°42 | 15°D46 | 16°59 | 19°21 | 17°48 | M11 |
| T 12 | 1 22 27 | 18°46'35 | 25°28 | 15°38 | 29°16 | 3°44 | 26°44 | 2° 3 | 22°58 | 25°49 | 17°44 | 15°47 | 16°56 | 19°27 | 17°46 | T 12 |
| W13 | 1 26 24 | 19°45'24 | 7♋22 | 17°27 | 0♏30 | 3°28 | 26°54 | 2°10 | 22°57 | 25°51 | 17°46 | 15°48 | 16°53 | 19°34 | 17°43 | W13 |
| T 14 | 1 30 21 | 20°44'15 | 19°12 | 19°15 | 1°45 | 3°11 | 27° 4 | 2°17 | 22°57 | 25°53 | 17°48 | 15°R48 | 16°50 | 19°41 | 17°41 | T 14 |
| F 15 | 1 34 17 | 21°43'08 | 1♌ 2 | 21° 3 | 2°59 | 2°54 | 27°14 | 2°25 | 22°56 | 25°55 | 17°49 | 15°48 | 16°47 | 19°47 | 17°39 | F 15 |
| S 16 | 1 38 14 | 22°42'04 | 12°58 | 22°49 | 4°14 | 2°37 | 27°24 | 2°32 | 22°55 | 25°57 | 17°51 | 15°45 | 16°43 | 19°54 | 17°37 | S 16 |
| S 17 | 1 42 10 | 23°41'02 | 25° 6 | 24°35 | 5°29 | 2°19 | 27°34 | 2°39 | 22°54 | 25°59 | 17°53 | 15°41 | 16°40 | 20° 1 | 17°34 | S 17 |
| M18 | 1 46 7 | 24°40'02 | 7♍28 | 26°20 | 6°43 | 2° 1 | 27°44 | 2°46 | 22°53 | 26° 1 | 17°55 | 15°34 | 16°37 | 20° 7 | 17°32 | M18 |
| T 19 | 1 50 3 | 25°39'04 | 20° 7 | 28° 4 | 7°58 | 1°43 | 27°54 | 2°53 | 22°52 | 26° 3 | 17°56 | 15°27 | 16°34 | 20°14 | 17°30 | T 19 |
| W20 | 1 54 0 | 26°38'08 | 3♎ 6 | 29°48 | 9°12 | 1°24 | 28° 4 | 3° 1 | 22°51 | 26° 5 | 17°58 | 15°18 | 16°31 | 20°21 | 17°28 | W20 |
| T 21 | 1 57 56 | 27°37'14 | 16°25 | 1♏30 | 10°27 | 1° 6 | 28°13 | 3° 8 | 22°50 | 26° 7 | 17°59 | 15° 9 | 16°28 | 20°27 | 17°26 | T 21 |
| F 22 | 2 1 53 | 28°36'23 | 0♏ 1 | 3°12 | 11°42 | 0°47 | 28°23 | 3°15 | 22°49 | 26° 9 | 18° 1 | 15° 2 | 16°24 | 20°34 | 17°24 | F 22 |
| S 23 | 2 5 50 | 29°35'33 | 13°52 | 4°53 | 12°56 | 0°29 | 28°32 | 3°22 | 22°48 | 26°11 | 18° 3 | 14°56 | 16°21 | 20°41 | 17°22 | S 23 |
| S 24 | 2 9 46 | 0♏34'46 | 27°54 | 6°33 | 14°11 | 0°10 | 28°41 | 3°29 | 22°46 | 26°13 | 18° 4 | 14°53 | 16°18 | 20°47 | 17°20 | S 24 |
| M25 | 2 13 43 | 1°34'00 | 12♐ 4 | 8°12 | 15°25 | 29♈52 | 28°50 | 3°36 | 22°45 | 26°15 | 18° 6 | 14°D52 | 16°15 | 20°54 | 17°18 | M25 |
| T 26 | 2 17 39 | 2°33'16 | 26°17 | 9°51 | 16°40 | 29°34 | 28°59 | 3°43 | 22°44 | 26°17 | 18° 7 | 14°52 | 16°12 | 21° 1 | 17°16 | T 26 |
| W27 | 2 21 36 | 3°32'34 | 10♑32 | 11°29 | 17°55 | 29°16 | 29° 8 | 3°50 | 22°42 | 26°19 | 18° 9 | 14°53 | 16° 8 | 21° 7 | 17°15 | W27 |
| T 28 | 2 25 32 | 4°31'54 | 24°44 | 13° 6 | 19° 9 | 28°58 | 29°17 | 3°57 | 22°41 | 26°21 | 18°10 | 14°55 | 16° 5 | 21°14 | 17°13 | T 28 |
| F 29 | 2 29 29 | 5°31'15 | 8♒53 | 14°43 | 20°24 | 28°41 | 29°26 | 4° 4 | 22°39 | 26°24 | 18°12 | 14°R55 | 16° 2 | 21°21 | 17°11 | F 29 |
| S 30 | 2 33 25 | 6°30'38 | 22°57 | 16°18 | 21°38 | 28°24 | 29°34 | 4°10 | 22°38 | 26°26 | 18°13 | 14°54 | 15°59 | 21°27 | 17°10 | S 30 |
| S 31 | 2 37 22 | 7♏30'02 | 6♓54 | 17♏53 | 22♏53 | 28♈ 8 | 29♌43 | 4♎17 | 22♊36 | 26♏28 | 18♍15 | 14♊51 | 15♊56 | 21♋34 | 17♓ 8 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 3s10 | 23s44 | 3s20 | 3n26 | 1n46 | 4s58 | 1n14 | 9n42 | 4s 0 | 13n41 | 0n30 | 1n27 | 1n53 | 23n 9 | 0n 1 | 17s27 | 1n38 | 15n40 | 11n39 | 22n40 | 22n44 | 24n42 | 0n 3 | 5n 4 |
| S 2 | 3 33 | 21 3 | 4 10 | 2 46 | 1 48 | 5 28 | 1 13 | 9 41 | 3 58 | 13 38 | 0 30 | 1 24 | 1 53 | 23 9 | 0 1 | 17 27 | 1 38 | 15 39 | 11 39 | 22 40 | 22 44 | 24 41 | 0 2 | 5 4 |
| S 3 | 3 56 | 17 6 | 4 45 | 2 4 | 1 49 | 5 57 | 1 12 | 9 40 | 3 56 | 13 34 | 0 30 | 1 21 | 1 53 | 23 9 | 0 1 | 17 28 | 1 38 | 15 39 | 11 39 | 22 39 | 22 43 | 24 41 | 0 0 | 5 4 |
| M 4 | 4 19 | 12 10 | 5 1 | 1 21 | 1 50 | 6 26 | 1 10 | 9 38 | 3 54 | 13 30 | 0 31 | 1 19 | 1 53 | 23 9 | 0 1 | 17 28 | 1 38 | 15 38 | 11 40 | 22 39 | 22 43 | 24 41 | 0s 1 | 5 4 |
| T 5 | 4 42 | 6 39 | 5 0 | 0 37 | 1 50 | 6 56 | 1 9 | 9 36 | 3 52 | 13 27 | 0 31 | 1 16 | 1 53 | 23 9 | 0 1 | 17 28 | 1 38 | 15 38 | 11 40 | 22 38 | 22 43 | 24 41 | 0 2 | 5 4 |
| W 6 | 5 4 | 0 53 | 4 40 | 0s 8 | 1 49 | 7 25 | 1 8 | 9 34 | 3 49 | 13 23 | 0 31 | 1 13 | 1 53 | 23 9 | 0 1 | 17 29 | 1 38 | 15 37 | 11 40 | 22 37 | 22 43 | 24 41 | 0 3 | 5 4 |
| T 7 | 5 27 | 4n50 | 4 5 | 0 53 | 1 48 | 7 54 | 1 6 | 9 32 | 3 47 | 13 20 | 0 31 | 1 10 | 1 53 | 23 9 | 0 1 | 17 29 | 1 38 | 15 37 | 11 40 | 22 36 | 22 42 | 24 40 | 0 4 | 5 3 |
| F 8 | 5 50 | 10 12 | 3 18 | 1 39 | 1 45 | 8 22 | 1 5 | 9 30 | 3 45 | 13 16 | 0 31 | 1 7 | 1 53 | 23 9 | 0 1 | 17 30 | 1 38 | 15 36 | 11 40 | 22 35 | 22 42 | 24 40 | 0 6 | 5 3 |
| S 9 | 6 12 | 15 0 | 2 20 | 2 25 | 1 43 | 8 51 | 1 3 | 9 28 | 3 42 | 13 13 | 0 31 | 1 4 | 1 53 | 23 9 | 0 1 | 17 30 | 1 38 | 15 36 | 11 41 | 22 34 | 22 42 | 24 40 | 0 7 | 5 3 |
| S 10 | 6 35 | 19 0 | 1 18 | 3 11 | 1 40 | 9 19 | 1 1 | 9 26 | 3 39 | 13 9 | 0 31 | 1 1 | 1 53 | 23 9 | 0 1 | 17 31 | 1 38 | 15 35 | 11 41 | 22 34 | 22 41 | 24 40 | 0 8 | 5 3 |
| M11 | 6 57 | 22 5 | 0 13 | 3 57 | 1 36 | 9 47 | 1 0 | 9 23 | 3 37 | 13 6 | 0 32 | 0 58 | 1 53 | 23 9 | 0 1 | 17 31 | 1 38 | 15 35 | 11 41 | 22 34 | 22 41 | 24 40 | 0 9 | 5 2 |
| T 12 | 7 19 | 24 6 | 0n52 | 4 43 | 1 32 | 10 15 | 0 58 | 9 21 | 3 34 | 13 2 | 0 32 | 0 56 | 1 53 | 23 9 | 0 1 | 17 32 | 1 38 | 15 34 | 11 41 | 22 34 | 22 41 | 24 39 | 0 10 | 5 2 |
| W13 | 7 41 | 25 0 | 1 53 | 5 28 | 1 27 | 10 43 | 0 56 | 9 18 | 3 31 | 12 59 | 0 32 | 0 53 | 1 54 | 23 9 | 0 1 | 17 32 | 1 38 | 15 34 | 11 42 | 22 34 | 22 40 | 24 39 | 0 11 | 5 2 |
| T 14 | 8 3 | 24 45 | 2 50 | 6 14 | 1 22 | 11 10 | 0 54 | 9 15 | 3 27 | 12 56 | 0 32 | 0 50 | 1 54 | 23 9 | 0 1 | 17 33 | 1 38 | 15 33 | 11 42 | 22 34 | 22 40 | 24 39 | 0 12 | 5 2 |
| F 15 | 8 25 | 23 23 | 3 39 | 6 59 | 1 17 | 11 37 | 0 52 | 9 13 | 3 24 | 12 52 | 0 32 | 0 47 | 1 54 | 23 9 | 0 1 | 17 33 | 1 38 | 15 33 | 11 42 | 22 34 | 22 40 | 24 39 | 0 14 | 5 1 |
| S 16 | 8 47 | 20 58 | 4 19 | 7 43 | 1 12 | 12 4 | 0 51 | 9 10 | 3 21 | 12 49 | 0 32 | 0 44 | 1 54 | 23 9 | 0 1 | 17 34 | 1 38 | 15 32 | 11 42 | 22 34 | 22 39 | 24 38 | 0 15 | 5 1 |
| S 17 | 9 9 | 17 36 | 4 48 | 8 27 | 1 6 | 12 31 | 0 49 | 9 7 | 3 17 | 12 46 | 0 33 | 0 42 | 1 54 | 23 9 | 0 1 | 17 34 | 1 38 | 15 32 | 11 43 | 22 33 | 22 39 | 24 38 | 0 16 | 5 1 |
| M18 | 9 30 | 13 26 | 5 4 | 9 11 | 1 0 | 12 57 | 0 47 | 9 4 | 3 14 | 12 43 | 0 33 | 0 39 | 1 54 | 23 9 | 0 1 | 17 35 | 1 38 | 15 31 | 11 43 | 22 32 | 22 39 | 24 38 | 0 17 | 5 1 |
| T 19 | 9 52 | 8 35 | 5 6 | 9 54 | 0 54 | 13 23 | 0 45 | 9 2 | 3 10 | 12 39 | 0 33 | 0 36 | 1 54 | 23 9 | 0 1 | 17 35 | 1 38 | 15 31 | 11 43 | 22 32 | 22 39 | 24 38 | 0 18 | 5 0 |
| W20 | 10 13 | 3 15 | 4 53 | 10 36 | 0 48 | 13 49 | 0 42 | 8 59 | 3 7 | 12 36 | 0 33 | 0 34 | 1 54 | 23 9 | 0 1 | 17 35 | 1 38 | 15 31 | 11 43 | 22 31 | 22 38 | 24 37 | 0 19 | 5 0 |
| T 21 | 10 34 | 2s22 | 4 23 | 11 18 | 0 41 | 14 15 | 0 40 | 8 56 | 3 3 | 12 33 | 0 33 | 0 31 | 1 54 | 23 9 | 0 1 | 17 36 | 1 38 | 15 30 | 11 44 | 22 30 | 22 38 | 24 37 | 0 20 | 5 0 |
| F 22 | 10 55 | 8 1 | 3 38 | 11 59 | 0 35 | 14 40 | 0 38 | 8 53 | 2 59 | 12 30 | 0 33 | 0 28 | 1 55 | 23 8 | 0 1 | 17 36 | 1 38 | 15 30 | 11 44 | 22 29 | 22 38 | 24 37 | 0 21 | 5 0 |
| S 23 | 11 16 | 13 23 | 2 40 | 12 39 | 0 28 | 15 4 | 0 36 | 8 51 | 2 55 | 12 27 | 0 34 | 0 25 | 1 55 | 23 8 | 0 1 | 17 37 | 1 38 | 15 30 | 11 44 | 22 28 | 22 37 | 24 36 | 0 22 | 4 59 |
| S 24 | 11 37 | 18 7 | 1 31 | 13 18 | 0 21 | 15 29 | 0 34 | 8 48 | 2 51 | 12 24 | 0 34 | 0 23 | 1 55 | 23 8 | 0 1 | 17 37 | 1 38 | 15 29 | 11 45 | 22 28 | 22 37 | 24 36 | 0 23 | 4 59 |
| M25 | 11 58 | 21 52 | 0 15 | 13 57 | 0 14 | 15 52 | 0 31 | 8 46 | 2 47 | 12 21 | 0 34 | 0 20 | 1 55 | 23 8 | 0 1 | 17 38 | 1 38 | 15 29 | 11 45 | 22 28 | 22 37 | 24 36 | 0 24 | 4 59 |
| T 26 | 12 18 | 24 18 | 1s 2 | 14 35 | 0 7 | 16 16 | 0 29 | 8 43 | 2 43 | 12 18 | 0 34 | 0 18 | 1 55 | 23 8 | 0 1 | 17 38 | 1 38 | 15 29 | 11 45 | 22 28 | 22 36 | 24 36 | 0 25 | 4 58 |
| W27 | 12 38 | 25 8 | 2 15 | 15 12 | 0 1 | 16 39 | 0 27 | 8 41 | 2 39 | 12 15 | 0 34 | 0 15 | 1 55 | 23 8 | 0 1 | 17 39 | 1 38 | 15 28 | 11 46 | 22 28 | 22 36 | 24 35 | 0 26 | 4 58 |
| T 28 | 12 58 | 24 20 | 3 19 | 15 48 | 0s 6 | 17 2 | 0 24 | 8 39 | 2 34 | 12 12 | 0 34 | 0 12 | 1 55 | 23 8 | 0 1 | 17 39 | 1 38 | 15 28 | 11 46 | 22 28 | 22 36 | 24 35 | 0 27 | 4 58 |
| F 29 | 13 18 | 22 0 | 4 12 | 16 23 | 0 13 | 17 24 | 0 22 | 8 37 | 2 30 | 12 9 | 0 35 | 0 10 | 1 55 | 23 8 | 0 1 | 17 40 | 1 38 | 15 28 | 11 46 | 22 28 | 22 35 | 24 35 | 0 28 | 4 58 |
| S 30 | 13 37 | 18 20 | 4 49 | 16 57 | 0 20 | 17 46 | 0 20 | 8 35 | 2 26 | 12 6 | 0 35 | 0 7 | 1 56 | 23 8 | 0 1 | 17 40 | 1 38 | 15 27 | 11 47 | 22 28 | 22 35 | 24 34 | 0 29 | 4 57 |
| S 31 | 13s57 | 13s42 | 5s 8 | 17s31 | 0s27 | 18s 7 | 0n17 | 8n33 | 2s21 | 12n 4 | 0n35 | 0n 5 | 1n56 | 23n 8 | 0n 1 | 17s41 | 1n37 | 15n27 | 11n47 | 22n28 | 22n35 | 24n34 | 0s30 | 4n57 |

Julian Day Number = 2799163.5, Delta T = 49m46s
Ecliptic obliquity = 23°19'00, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°03'44, Lahiri = 37°10'45


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# ASTRODIENST EPHEMERIS for the year 2951
# geocentric

## NOVEMBER 2951 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 2 41 19 | 8♏29'28 | 20♓43 | 19♏28 | 24♏ 8 | 27°R52 | 29♌51 | 4♎24 | 22°R35 | 26♏30 | 18♍16 | 14°R46 | 15♊53 | 21♋41 | 17°R 7 | M 1 |
| T 2 | 2 45 15 | 9°28'56 | 4♈22 | 21° 2 | 25°22 | 27♈36 | 29°59 | 4°31 | 22♊33 | 26°32 | 18°18 | 14♊41 | 15°49 | 21°47 | 17♓ 5 | T 2 |
| W 3 | 2 49 12 | 10°28'26 | 17°49 | 22°35 | 26°37 | 27°21 | 0♍ 7 | 4°37 | 22°32 | 26°34 | 18°19 | 14°35 | 15°46 | 21°54 | 17° 4 | W 3 |
| T 4 | 2 53 8 | 11°27'57 | 1♉ 2 | 24° 7 | 27°51 | 27° 6 | 0°15 | 4°44 | 22°30 | 26°36 | 18°20 | 14°30 | 15°43 | 22° 1 | 17° 2 | T 4 |
| F 5 | 2 57 5 | 12°27'31 | 13°59 | 25°39 | 29° 6 | 26°52 | 0°23 | 4°50 | 22°28 | 26°39 | 18°22 | 14°25 | 15°40 | 22° 7 | 17° 1 | F 5 |
| S 6 | 3 1 1 | 13°27'06 | 26°41 | 27°10 | 0♐20 | 26°39 | 0°30 | 4°57 | 22°26 | 26°41 | 18°23 | 14°23 | 15°37 | 22°14 | 17° 0 | S 6 |
| S 7 | 3 4 58 | 14°26'44 | 9♊ 7 | 28°41 | 1°35 | 26°26 | 0°38 | 5° 3 | 22°25 | 26°43 | 18°24 | 14°D21 | 15°34 | 22°21 | 16°59 | S 7 |
| M 8 | 3 8 54 | 15°26'24 | 21°20 | 0♐11 | 2°50 | 26°14 | 0°45 | 5°10 | 22°23 | 26°45 | 18°26 | 14°21 | 15°30 | 22°27 | 16°57 | M 8 |
| T 9 | 3 12 51 | 16°26'05 | 3♋21 | 1°41 | 4° 4 | 26° 3 | 0°52 | 5°16 | 22°21 | 26°47 | 18°27 | 14°22 | 15°27 | 22°34 | 16°56 | T 9 |
| W10 | 3 16 48 | 17°25'49 | 15°15 | 3°10 | 5°19 | 25°52 | 0°59 | 5°22 | 22°19 | 26°50 | 18°28 | 14°24 | 15°24 | 22°41 | 16°55 | W10 |
| T 11 | 3 20 44 | 18°25'35 | 27° 4 | 4°38 | 6°33 | 25°42 | 1° 6 | 5°29 | 22°17 | 26°52 | 18°29 | 14°26 | 15°21 | 22°47 | 16°54 | T 11 |
| F 12 | 3 24 41 | 19°25'24 | 8♌54 | 6° 6 | 7°48 | 25°33 | 1°13 | 5°35 | 22°15 | 26°54 | 18°30 | 14°27 | 15°18 | 22°54 | 16°53 | F 12 |
| S 13 | 3 28 37 | 20°25'14 | 20°50 | 7°33 | 9° 3 | 25°24 | 1°20 | 5°41 | 22°13 | 26°56 | 18°32 | 14°R28 | 15°14 | 23° 1 | 16°53 | S 13 |
| S 14 | 3 32 34 | 21°25'06 | 2♍57 | 9° 0 | 10°17 | 25°16 | 1°26 | 5°47 | 22°11 | 26°59 | 18°33 | 14°27 | 15°11 | 23° 7 | 16°52 | S 14 |
| M15 | 3 36 30 | 22°25'01 | 15°18 | 10°25 | 11°32 | 25° 9 | 1°33 | 5°53 | 22° 9 | 27° 1 | 18°34 | 14°26 | 15° 8 | 23°14 | 16°51 | M15 |
| T 16 | 3 40 27 | 23°24'58 | 27°59 | 11°51 | 12°46 | 25° 3 | 1°39 | 5°59 | 22° 7 | 27° 3 | 18°35 | 14°23 | 15° 5 | 23°21 | 16°50 | T 16 |
| W17 | 3 44 23 | 24°24'56 | 11♎ 2 | 13°15 | 14° 1 | 24°58 | 1°45 | 6° 5 | 22° 5 | 27° 5 | 18°36 | 14°20 | 15° 2 | 23°27 | 16°50 | W17 |
| T 18 | 3 48 20 | 25°24'57 | 24°28 | 14°39 | 15°15 | 24°53 | 1°51 | 6°11 | 22° 3 | 27° 8 | 18°37 | 14°17 | 14°59 | 23°34 | 16°49 | T 18 |
| F 19 | 3 52 17 | 26°25'00 | 8♏18 | 16° 2 | 16°30 | 24°49 | 1°56 | 6°16 | 22° 0 | 27°10 | 18°38 | 14°15 | 14°55 | 23°41 | 16°49 | F 19 |
| S 20 | 3 56 13 | 27°25'05 | 22°28 | 17°23 | 17°45 | 24°46 | 2° 2 | 6°22 | 21°58 | 27°12 | 18°39 | 14°13 | 14°52 | 23°47 | 16°48 | S 20 |
| S 21 | 4 0 10 | 28°25'11 | 6♐55 | 18°44 | 18°59 | 24°44 | 2° 7 | 6°28 | 21°56 | 27°14 | 18°40 | 14°12 | 14°49 | 23°54 | 16°48 | S 21 |
| M22 | 4 4 6 | 29°25'20 | 21°32 | 20° 4 | 20°14 | 24°43 | 2°12 | 6°33 | 21°54 | 27°17 | 18°41 | 14°D12 | 14°46 | 24° 1 | 16°47 | M22 |
| T 23 | 4 8 3 | 0♐25'30 | 6♑13 | 21°23 | 21°28 | 24°D42 | 2°18 | 6°39 | 21°51 | 27°19 | 18°41 | 14°13 | 14°43 | 24° 7 | 16°47 | T 23 |
| W24 | 4 11 59 | 1°25'42 | 20°52 | 22°41 | 22°43 | 24°43 | 2°22 | 6°44 | 21°49 | 27°21 | 18°42 | 14°14 | 14°40 | 24°14 | 16°47 | W24 |
| T 25 | 4 15 56 | 2°25'55 | 5♒23 | 23°57 | 23°58 | 24°44 | 2°27 | 6°49 | 21°47 | 27°23 | 18°43 | 14°15 | 14°36 | 24°21 | 16°47 | T 25 |
| F 26 | 4 19 52 | 3°26'09 | 19°42 | 25°11 | 25°12 | 24°46 | 2°32 | 6°55 | 21°44 | 27°25 | 18°44 | 14°16 | 14°33 | 24°27 | 16°47 | F 26 |
| S 27 | 4 23 49 | 4°26'25 | 3♓47 | 26°24 | 26°27 | 24°48 | 2°36 | 7° 0 | 21°42 | 27°28 | 18°45 | 14°R16 | 14°30 | 24°34 | 16°D47 | S 27 |
| S 28 | 4 27 46 | 5°26'42 | 17°36 | 27°34 | 27°41 | 24°52 | 2°40 | 7° 5 | 21°40 | 27°30 | 18°45 | 14°16 | 14°27 | 24°41 | 16°47 | S 28 |
| M29 | 4 31 42 | 6°27'01 | 1♈ 9 | 28°43 | 28°56 | 24°56 | 2°44 | 7°10 | 21°37 | 27°32 | 18°46 | 14°15 | 14°24 | 24°47 | 16°47 | M29 |
| T 30 | 4 35 39 | 7♐27'21 | 14♈27 | 29♐49 | 0♑10 | 25♈ 1 | 2♍48 | 7♎15 | 21♊35 | 27♏34 | 18♍47 | 14♊14 | 14♊20 | 24♋54 | 16♓47 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14s16 | 8s24 | 5s 9 | 18s 3 | 0s34 | 18s28 | 0n15 | 8n31 | 2s17 | 12n 1 | 0n35 | 0n 2 | 1n56 | 23n 8 | 0n 1 | 17s42 | 1n37 | 15n27 | 11n47 | 22n27 | 22n34 | 24n33 | 0s30 | 4n57 |
| T 2 | 14 35 | 2 45 | 4 53 | 18 35 | 0 41 | 18 48 | 0 12 | 8 30 | 2 13 | 11 58 | 0 35 | 0s 0 | 1 56 | 23 8 | 0 1 | 17 42 | 1 37 | 15 27 | 11 47 | 22 27 | 22 34 | 24 33 | 0 31 | 4 56 |
| W 3 | 14 53 | 2n56 | 4 21 | 19 5 | 0 48 | 19 8 | 0 10 | 8 29 | 2 8 | 11 56 | 0 36 | 0 3 | 1 56 | 23 8 | 0 1 | 17 43 | 1 37 | 15 26 | 11 48 | 22 26 | 22 34 | 24 33 | 0 32 | 4 56 |
| T 4 | 15 12 | 8 25 | 3 35 | 19 35 | 0 55 | 19 28 | 0 7 | 8 28 | 2 4 | 11 53 | 0 36 | 0 5 | 1 56 | 23 8 | 0 1 | 17 43 | 1 37 | 15 26 | 11 48 | 22 25 | 22 33 | 24 32 | 0 33 | 4 56 |
| F 5 | 15 30 | 13 26 | 2 38 | 20 4 | 1 1 | 19 47 | 0 5 | 8 27 | 1 59 | 11 51 | 0 36 | 0 8 | 1 57 | 23 7 | 0 1 | 17 44 | 1 37 | 15 26 | 11 49 | 22 25 | 22 33 | 24 32 | 0 34 | 4 55 |
| S 6 | 15 48 | 17 46 | 1 35 | 20 32 | 1 8 | 20 5 | 0 2 | 8 26 | 1 55 | 11 48 | 0 36 | 0 10 | 1 57 | 23 7 | 0 1 | 17 44 | 1 37 | 15 26 | 11 49 | 22 24 | 22 33 | 24 32 | 0 34 | 4 55 |
| S 7 | 16 5 | 21 14 | 0 29 | 20 58 | 1 14 | 20 23 | 0s 0 | 8 26 | 1 51 | 11 46 | 0 36 | 0 12 | 1 57 | 23 7 | 0 1 | 17 45 | 1 37 | 15 26 | 11 49 | 22 24 | 22 32 | 24 31 | 0 35 | 4 55 |
| M 8 | 16 23 | 23 40 | 0n38 | 21 24 | 1 20 | 20 40 | 0 3 | 8 25 | 1 46 | 11 43 | 0 36 | 0 15 | 1 57 | 23 7 | 0 1 | 17 45 | 1 37 | 15 25 | 11 50 | 22 24 | 22 32 | 24 31 | 0 36 | 4 54 |
| T 9 | 16 40 | 24 59 | 1 43 | 21 48 | 1 27 | 20 56 | 0 5 | 8 25 | 1 42 | 11 41 | 0 37 | 0 17 | 1 57 | 23 7 | 0 1 | 17 46 | 1 37 | 15 25 | 11 50 | 22 24 | 22 32 | 24 30 | 0 37 | 4 54 |
| W10 | 16 57 | 25 8 | 2 42 | 22 12 | 1 33 | 21 12 | 0 8 | 8 26 | 1 38 | 11 38 | 0 37 | 0 20 | 1 57 | 23 7 | 0 1 | 17 46 | 1 37 | 15 25 | 11 50 | 22 25 | 22 31 | 24 30 | 0 37 | 4 54 |
| T 11 | 17 13 | 24 8 | 3 34 | 22 34 | 1 39 | 21 28 | 0 10 | 8 26 | 1 33 | 11 36 | 0 37 | 0 22 | 1 58 | 23 7 | 0 1 | 17 47 | 1 37 | 15 25 | 11 51 | 22 25 | 22 31 | 24 30 | 0 38 | 4 53 |
| F 12 | 17 30 | 22 4 | 4 17 | 22 56 | 1 44 | 21 43 | 0 13 | 8 27 | 1 29 | 11 34 | 0 37 | 0 24 | 1 58 | 23 7 | 0 1 | 17 47 | 1 37 | 15 25 | 11 51 | 22 25 | 22 31 | 24 29 | 0 39 | 4 53 |
| S 13 | 17 46 | 19 2 | 4 49 | 23 16 | 1 50 | 21 57 | 0 16 | 8 27 | 1 25 | 11 32 | 0 37 | 0 26 | 1 58 | 23 7 | 0 1 | 17 48 | 1 37 | 15 25 | 11 51 | 22 25 | 22 30 | 24 29 | 0 39 | 4 53 |
| S 14 | 18 1 | 15 10 | 5 9 | 23 35 | 1 55 | 22 11 | 0 18 | 8 28 | 1 21 | 11 30 | 0 38 | 0 29 | 1 58 | 23 7 | 0 1 | 17 48 | 1 37 | 15 25 | 11 52 | 22 25 | 22 30 | 24 28 | 0 40 | 4 52 |
| M15 | 18 17 | 10 36 | 5 15 | 23 53 | 2 0 | 22 24 | 0 21 | 8 30 | 1 17 | 11 28 | 0 38 | 0 31 | 1 58 | 23 6 | 0 1 | 17 49 | 1 37 | 15 25 | 11 52 | 22 25 | 22 30 | 24 28 | 0 41 | 4 52 |
| T 16 | 18 32 | 5 29 | 5 6 | 24 10 | 2 5 | 22 36 | 0 23 | 8 31 | 1 13 | 11 26 | 0 38 | 0 33 | 1 58 | 23 6 | 0 1 | 17 49 | 1 37 | 15 24 | 11 53 | 22 24 | 22 29 | 24 27 | 0 41 | 4 52 |
| W17 | 18 47 | 0s 1 | 4 42 | 24 25 | 2 10 | 22 48 | 0 26 | 8 33 | 1 9 | 11 24 | 0 38 | 0 35 | 1 59 | 23 6 | 0 1 | 17 50 | 1 37 | 15 24 | 11 53 | 22 24 | 22 29 | 24 27 | 0 42 | 4 51 |
| T 18 | 19 1 | 5 42 | 4 1 | 24 40 | 2 14 | 22 59 | 0 28 | 8 35 | 1 5 | 11 22 | 0 38 | 0 37 | 1 59 | 23 6 | 0 1 | 17 50 | 1 37 | 15 24 | 11 53 | 22 24 | 22 29 | 24 26 | 0 42 | 4 51 |
| F 19 | 19 15 | 11 16 | 3 6 | 24 53 | 2 19 | 23 9 | 0 31 | 8 37 | 1 1 | 11 20 | 0 39 | 0 39 | 1 59 | 23 6 | 0 1 | 17 51 | 1 37 | 15 24 | 11 54 | 22 24 | 22 28 | 24 26 | 0 43 | 4 51 |
| S 20 | 19 29 | 16 24 | 1 57 | 25 5 | 2 22 | 23 19 | 0 34 | 8 40 | 0 57 | 11 18 | 0 39 | 0 41 | 1 59 | 23 6 | 0 1 | 17 51 | 1 37 | 15 24 | 11 54 | 22 23 | 22 28 | 24 25 | 0 43 | 4 50 |
| S 21 | 19 42 | 20 42 | 0 40 | 25 16 | 2 26 | 23 28 | 0 36 | 8 43 | 0 53 | 11 16 | 0 39 | 0 43 | 1 59 | 23 6 | 0 1 | 17 52 | 1 37 | 15 24 | 11 55 | 22 23 | 22 27 | 24 25 | 0 44 | 4 50 |
| M22 | 19 55 | 23 43 | 0s41 | 25 25 | 2 29 | 23 36 | 0 39 | 8 46 | 0 49 | 11 15 | 0 39 | 0 45 | 2 0 | 23 6 | 0 1 | 17 52 | 1 37 | 15 24 | 11 55 | 22 23 | 22 27 | 24 24 | 0 44 | 4 50 |
| T 23 | 20 8 | 25 9 | 1 59 | 25 34 | 2 32 | 23 44 | 0 41 | 8 49 | 0 46 | 11 13 | 0 39 | 0 47 | 2 0 | 23 6 | 0 1 | 17 53 | 1 37 | 15 24 | 11 55 | 22 23 | 22 27 | 24 24 | 0 45 | 4 49 |
| W24 | 20 20 | 24 50 | 3 9 | 25 41 | 2 34 | 23 51 | 0 44 | 8 52 | 0 42 | 11 12 | 0 40 | 0 49 | 2 0 | 23 5 | 0 1 | 17 53 | 1 37 | 15 24 | 11 56 | 22 23 | 22 26 | 24 23 | 0 45 | 4 49 |
| T 25 | 20 32 | 22 49 | 4 7 | 25 47 | 2 36 | 23 57 | 0 46 | 8 56 | 0 39 | 11 10 | 0 40 | 0 51 | 2 0 | 23 5 | 0 1 | 17 54 | 1 37 | 15 24 | 11 56 | 22 24 | 22 26 | 24 23 | 0 45 | 4 48 |
| F 26 | 20 44 | 19 24 | 4 49 | 25 51 | 2 38 | 24 2 | 0 48 | 9 0 | 0 35 | 11 9 | 0 40 | 0 53 | 2 1 | 23 5 | 0 1 | 17 54 | 1 37 | 15 25 | 11 57 | 22 24 | 22 26 | 24 22 | 0 46 | 4 48 |
| S 27 | 20 55 | 14 55 | 5 12 | 25 55 | 2 39 | 24 7 | 0 51 | 9 4 | 0 32 | 11 7 | 0 40 | 0 55 | 2 1 | 23 5 | 0 1 | 17 55 | 1 37 | 15 25 | 11 57 | 22 24 | 22 25 | 24 22 | 0 46 | 4 48 |
| S 28 | 21 6 | 9 44 | 5 17 | 25 57 | 2 39 | 24 11 | 0 53 | 9 8 | 0 28 | 11 6 | 0 41 | 0 57 | 2 1 | 23 5 | 0 2 | 17 55 | 1 37 | 15 25 | 11 57 | 22 24 | 22 25 | 24 21 | 0 47 | 4 47 |
| M29 | 21 17 | 4 11 | 5 3 | 25 58 | 2 39 | 24 14 | 0 56 | 9 13 | 0 25 | 11 5 | 0 41 | 0 58 | 2 1 | 23 5 | 0 2 | 17 56 | 1 37 | 15 25 | 11 58 | 22 24 | 22 25 | 24 21 | 0 47 | 4 47 |
| T 30 | 21s27 | 1n27 | 4s34 | 25s57 | 2s38 | 24s17 | 0s58 | 9n18 | 0s22 | 11n 4 | 0n41 | 1s 0 | 2n 1 | 23n 5 | 0n 2 | 17s56 | 1n37 | 15n25 | 11n58 | 22n23 | 22n24 | 24n20 | 0s47 | 4n47 |

Julian Day Number = 2799194.5, Delta T = 49m46s
Ecliptic obliquity = 23°19'00, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°03'49, Lahiri = 37°10'49


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# ASTRODIENST EPHEMERIS for the year 2951
# geocentric

## DECEMBER 2951 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 4 39 35 | 8♐27'42 | 27♈30 | 0♑52 | 1♑25 | 25♈ 7 | 2♍52 | 7♎20 | 21°R32 | 27♏37 | 18♍47 | 14°R13 | 14♊17 | 25♋ 1 | 16♓47 | W 1 |
| T 2 | 4 43 32 | 9°28'05 | 10♉19 | 1°52 | 2°39 | 25°13 | 2°55 | 7°25 | 21♊30 | 27°39 | 18°48 | 14♊13 | 14°14 | 25° 7 | 16°47 | T 2 |
| F 3 | 4 47 28 | 10°28'29 | 22°55 | 2°48 | 3°54 | 25°20 | 2°59 | 7°29 | 21°28 | 27°41 | 18°48 | 14°12 | 14°11 | 25°14 | 16°48 | F 3 |
| S 4 | 4 51 25 | 11°28'54 | 5♊19 | 3°40 | 5° 9 | 25°28 | 3° 2 | 7°34 | 21°25 | 27°43 | 18°49 | 14°12 | 14° 8 | 25°21 | 16°48 | S 4 |
| S 5 | 4 55 21 | 12°29'22 | 17°32 | 4°28 | 6°23 | 25°37 | 3° 5 | 7°39 | 21°23 | 27°45 | 18°50 | 14°D12 | 14° 5 | 25°28 | 16°48 | S 5 |
| M 6 | 4 59 18 | 13°29'50 | 29°36 | 5°10 | 7°38 | 25°46 | 3° 7 | 7°43 | 21°20 | 27°48 | 18°50 | 14°12 | 14° 1 | 25°34 | 16°49 | M 6 |
| T 7 | 5 3 15 | 14°30'21 | 11♋33 | 5°46 | 8°52 | 25°56 | 3°10 | 7°48 | 21°18 | 27°50 | 18°50 | 14°R12 | 13°58 | 25°41 | 16°50 | T 7 |
| W 8 | 5 7 11 | 15°30'53 | 23°25 | 6°16 | 10° 7 | 26° 7 | 3°12 | 7°52 | 21°15 | 27°52 | 18°51 | 14°12 | 13°55 | 25°48 | 16°50 | W 8 |
| T 9 | 5 11 8 | 16°31'26 | 5♌14 | 6°39 | 11°21 | 26°18 | 3°15 | 7°56 | 21°13 | 27°54 | 18°51 | 14°12 | 13°52 | 25°54 | 16°51 | T 9 |
| F 10 | 5 15 4 | 17°32'01 | 17° 4 | 6°53 | 12°36 | 26°30 | 3°17 | 8° 0 | 21°10 | 27°56 | 18°52 | 14°11 | 13°49 | 26° 1 | 16°52 | F 10 |
| S 11 | 5 19 1 | 18°32'38 | 28°59 | 6°R58 | 13°50 | 26°43 | 3°18 | 8° 4 | 21° 8 | 27°58 | 18°52 | 14°11 | 13°46 | 26° 8 | 16°52 | S 11 |
| S 12 | 5 22 57 | 19°33'16 | 11♍ 3 | 6°54 | 15° 4 | 26°56 | 3°20 | 8° 8 | 21° 5 | 28° 0 | 18°52 | 14°11 | 13°42 | 26°14 | 16°53 | S 12 |
| M13 | 5 26 54 | 20°33'56 | 23°21 | 6°39 | 16°19 | 27°10 | 3°22 | 8°12 | 21° 3 | 28° 3 | 18°53 | 14°D11 | 13°39 | 26°21 | 16°54 | M13 |
| T 14 | 5 30 50 | 21°34'37 | 5♎57 | 6°14 | 17°33 | 27°24 | 3°23 | 8°16 | 21° 0 | 28° 5 | 18°53 | 14°11 | 13°36 | 26°28 | 16°55 | T 14 |
| W15 | 5 34 47 | 22°35'20 | 18°55 | 5°38 | 18°48 | 27°39 | 3°24 | 8°20 | 20°58 | 28° 7 | 18°53 | 14°11 | 13°33 | 26°34 | 16°56 | W15 |
| T 16 | 5 38 44 | 23°36'04 | 2♏17 | 4°50 | 20° 2 | 27°54 | 3°25 | 8°23 | 20°55 | 28° 9 | 18°53 | 14°12 | 13°30 | 26°41 | 16°57 | T 16 |
| F 17 | 5 42 40 | 24°36'50 | 16° 7 | 3°53 | 21°17 | 28°10 | 3°25 | 8°27 | 20°53 | 28°11 | 18°53 | 14°13 | 13°26 | 26°48 | 16°58 | F 17 |
| S 18 | 5 46 37 | 25°37'37 | 0♐23 | 2°46 | 22°31 | 28°27 | 3°26 | 8°30 | 20°50 | 28°13 | 18°53 | 14°14 | 13°23 | 26°54 | 17° 0 | S 18 |
| S 19 | 5 50 33 | 26°38'26 | 15° 2 | 1°32 | 23°46 | 28°44 | 3°26 | 8°34 | 20°47 | 28°15 | 18°54 | 14°R14 | 13°20 | 27° 1 | 17° 1 | S 19 |
| M20 | 5 54 30 | 27°39'16 | 29°58 | 0°12 | 25° 0 | 29° 2 | 3°R26 | 8°37 | 20°45 | 28°17 | 18°54 | 14°14 | 13°17 | 27° 8 | 17° 2 | M20 |
| T 21 | 5 58 26 | 28°40'07 | 15♑ 2 | 28♐50 | 26°14 | 29°20 | 3°26 | 8°40 | 20°42 | 28°19 | 18°R54 | 14°13 | 13°14 | 27°14 | 17° 4 | T 21 |
| W22 | 6 2 23 | 29°40'59 | 0♒ 7 | 27°27 | 27°29 | 29°38 | 3°26 | 8°43 | 20°40 | 28°21 | 18°54 | 14°11 | 13°11 | 27°21 | 17° 5 | W22 |
| T 23 | 6 6 20 | 0♑41'52 | 15° 3 | 26° 7 | 28°43 | 29°58 | 3°25 | 8°46 | 20°38 | 28°23 | 18°54 | 14° 9 | 13° 7 | 27°28 | 17° 7 | T 23 |
| F 24 | 6 10 16 | 1°42'45 | 29°42 | 24°52 | 29°58 | 0♉17 | 3°24 | 8°49 | 20°35 | 28°25 | 18°53 | 14° 7 | 13° 4 | 27°35 | 17° 8 | F 24 |
| S 25 | 6 14 13 | 2°43'39 | 14♓ 0 | 23°45 | 1♒12 | 0°37 | 3°24 | 8°52 | 20°33 | 28°27 | 18°53 | 14° 5 | 13° 1 | 27°41 | 17°10 | S 25 |
| S 26 | 6 18 9 | 3°44'34 | 27°53 | 22°47 | 2°26 | 0°58 | 3°22 | 8°54 | 20°30 | 28°29 | 18°53 | 14°D 4 | 12°58 | 27°48 | 17°11 | S 26 |
| M27 | 6 22 6 | 4°45'29 | 11♈23 | 22° 0 | 3°40 | 1°19 | 3°21 | 8°57 | 20°28 | 28°31 | 18°53 | 14° 4 | 12°55 | 27°55 | 17°13 | M27 |
| T 28 | 6 26 2 | 5°46'25 | 24°31 | 21°24 | 4°55 | 1°40 | 3°20 | 8°59 | 20°25 | 28°33 | 18°53 | 14° 5 | 12°52 | 28° 1 | 17°15 | T 28 |
| W29 | 6 29 59 | 6°47'21 | 7♉19 | 20°59 | 6° 9 | 2° 2 | 3°18 | 9° 2 | 20°23 | 28°35 | 18°53 | 14° 7 | 12°48 | 28° 8 | 17°17 | W29 |
| T 30 | 6 33 55 | 7°48'18 | 19°51 | 20°44 | 7°23 | 2°24 | 3°16 | 9° 4 | 20°21 | 28°36 | 18°52 | 14° 8 | 12°45 | 28°15 | 17°19 | T 30 |
| F 31 | 6 37 52 | 8♑49'16 | 2♊10 | 20°D41 | 8♒37 | 2♉47 | 3♍14 | 9♎ 6 | 20♊18 | 28♏38 | 18♍52 | 14♊10 | 12♊42 | 28♋21 | 17♓21 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 21s36 | 6n56 | 3s51 | 25s55 | 2s37 | 24s19 | 1s 0 | 9n23 | 0s19 | 11n 3 | 0n41 | 1s 2 | 2n 2 | 23n 4 | 0n 2 | 17s57 | 1n37 | 15n25 | 11n59 | 22n23 | 22n24 | 24n20 | 0s47 | 4n46 |
| T 2 | 21 45 | 12 2 | 2 57 | 25 53 | 2 34 | 24 20 | 1 2 | 9 28 | 0 15 | 11 1 | 0 41 | 1 4 | 2 2 | 23 4 | 0 2 | 17 57 | 1 37 | 15 25 | 11 59 | 22 23 | 22 23 | 24 19 | 0 48 | 4 46 |
| F 3 | 21 54 | 16 32 | 1 56 | 25 49 | 2 31 | 24 20 | 1 5 | 9 34 | 0 12 | 11 0 | 0 42 | 1 5 | 2 2 | 23 4 | 0 2 | 17 58 | 1 37 | 15 25 | 12 0 | 22 23 | 22 23 | 24 18 | 0 48 | 4 46 |
| S 4 | 22 3 | 20 16 | 0 49 | 25 43 | 2 27 | 24 20 | 1 7 | 9 39 | 0 9 | 11 0 | 0 42 | 1 7 | 2 2 | 23 4 | 0 2 | 17 58 | 1 37 | 15 26 | 12 0 | 22 23 | 22 23 | 24 18 | 0 48 | 4 45 |
| S 5 | 22 11 | 23 3 | 0n19 | 25 37 | 2 23 | 24 19 | 1 9 | 9 45 | 0 7 | 10 59 | 0 42 | 1 8 | 2 3 | 23 4 | 0 2 | 17 59 | 1 37 | 15 26 | 12 0 | 22 23 | 22 22 | 24 17 | 0 48 | 4 45 |
| M 6 | 22 18 | 24 44 | 1 25 | 25 29 | 2 17 | 24 17 | 1 11 | 9 51 | 0 4 | 10 58 | 0 42 | 1 10 | 2 3 | 23 4 | 0 2 | 17 59 | 1 37 | 15 26 | 12 1 | 22 23 | 22 22 | 24 17 | 0 48 | 4 45 |
| T 7 | 22 25 | 25 15 | 2 26 | 25 21 | 2 10 | 24 14 | 1 13 | 9 57 | 0 1 | 10 57 | 0 43 | 1 11 | 2 3 | 23 4 | 0 2 | 18 0 | 1 37 | 15 26 | 12 1 | 22 23 | 22 22 | 24 16 | 0 48 | 4 44 |
| W 8 | 22 32 | 24 36 | 3 21 | 25 11 | 2 1 | 24 11 | 1 15 | 10 4 | 0n 2 | 10 57 | 0 43 | 1 13 | 2 3 | 23 3 | 0 2 | 18 0 | 1 37 | 15 26 | 12 2 | 22 23 | 22 21 | 24 15 | 0 48 | 4 44 |
| T 9 | 22 38 | 22 51 | 4 7 | 25 1 | 1 52 | 24 7 | 1 17 | 10 10 | 0 4 | 10 56 | 0 43 | 1 14 | 2 4 | 23 3 | 0 2 | 18 0 | 1 37 | 15 27 | 12 2 | 22 23 | 22 21 | 24 15 | 0 48 | 4 44 |
| F 10 | 22 44 | 20 8 | 4 43 | 24 49 | 1 41 | 24 2 | 1 19 | 10 17 | 0 7 | 10 55 | 0 43 | 1 16 | 2 4 | 23 3 | 0 2 | 18 1 | 1 37 | 15 27 | 12 3 | 22 23 | 22 20 | 24 14 | 0 49 | 4 43 |
| S 11 | 22 50 | 16 33 | 5 6 | 24 37 | 1 29 | 23 57 | 1 21 | 10 24 | 0 10 | 10 55 | 0 43 | 1 17 | 2 4 | 23 3 | 0 2 | 18 1 | 1 37 | 15 27 | 12 3 | 22 23 | 22 20 | 24 14 | 0 49 | 4 43 |
| S 12 | 22 54 | 12 16 | 5 17 | 24 23 | 1 15 | 23 50 | 1 23 | 10 31 | 0 12 | 10 55 | 0 44 | 1 18 | 2 4 | 23 3 | 0 2 | 18 2 | 1 38 | 15 27 | 12 3 | 22 23 | 22 20 | 24 13 | 0 49 | 4 42 |
| M13 | 22 59 | 7 26 | 5 13 | 24 9 | 1 0 | 23 44 | 1 25 | 10 38 | 0 14 | 10 54 | 0 44 | 1 20 | 2 4 | 23 3 | 0 2 | 18 2 | 1 38 | 15 28 | 12 4 | 22 23 | 22 19 | 24 12 | 0 48 | 4 42 |
| T 14 | 23 3 | 2 10 | 4 55 | 23 54 | 0 44 | 23 36 | 1 26 | 10 45 | 0 17 | 10 54 | 0 44 | 1 21 | 2 5 | 23 2 | 0 2 | 18 3 | 1 38 | 15 28 | 12 4 | 22 23 | 22 19 | 24 12 | 0 48 | 4 42 |
| W15 | 23 7 | 3s20 | 4 21 | 23 38 | 0 26 | 23 28 | 1 28 | 10 53 | 0 19 | 10 54 | 0 44 | 1 22 | 2 5 | 23 2 | 0 2 | 18 3 | 1 38 | 15 28 | 12 5 | 22 23 | 22 19 | 24 11 | 0 48 | 4 41 |
| T 16 | 23 10 | 8 53 | 3 32 | 23 21 | 0 7 | 23 18 | 1 30 | 11 0 | 0 21 | 10 54 | 0 45 | 1 23 | 2 5 | 23 2 | 0 2 | 18 4 | 1 38 | 15 29 | 12 5 | 22 23 | 22 18 | 24 10 | 0 48 | 4 41 |
| F 17 | 23 12 | 14 11 | 2 30 | 23 3 | 0n13 | 23 9 | 1 31 | 11 8 | 0 24 | 10 54 | 0 45 | 1 25 | 2 6 | 23 2 | 0 2 | 18 4 | 1 38 | 15 29 | 12 6 | 22 23 | 22 18 | 24 10 | 0 48 | 4 41 |
| S 18 | 23 15 | 18 53 | 1 16 | 22 44 | 0 33 | 22 58 | 1 33 | 11 16 | 0 26 | 10 54 | 0 45 | 1 26 | 2 6 | 23 2 | 0 2 | 18 4 | 1 38 | 15 29 | 12 6 | 22 23 | 22 17 | 24 9 | 0 48 | 4 40 |
| S 19 | 23 16 | 22 33 | 0s 4 | 22 25 | 0 53 | 22 47 | 1 34 | 11 24 | 0 28 | 10 54 | 0 45 | 1 27 | 2 6 | 23 2 | 0 2 | 18 5 | 1 38 | 15 30 | 12 6 | 22 23 | 22 17 | 24 8 | 0 48 | 4 40 |
| M20 | 23 18 | 24 45 | 1 26 | 22 6 | 1 13 | 22 35 | 1 36 | 11 32 | 0 30 | 10 54 | 0 46 | 1 28 | 2 6 | 23 1 | 0 2 | 18 5 | 1 38 | 15 30 | 12 7 | 22 23 | 22 17 | 24 8 | 0 48 | 4 40 |
| T 21 | 23 19 | 25 10 | 2 42 | 21 47 | 1 32 | 22 23 | 1 37 | 11 40 | 0 32 | 10 54 | 0 46 | 1 29 | 2 7 | 23 1 | 0 2 | 18 6 | 1 38 | 15 31 | 12 7 | 22 23 | 22 16 | 24 7 | 0 47 | 4 39 |
| W22 | 23 19 | 23 43 | 3 47 | 21 28 | 1 49 | 22 10 | 1 38 | 11 49 | 0 34 | 10 55 | 0 46 | 1 30 | 2 7 | 23 1 | 0 2 | 18 6 | 1 38 | 15 31 | 12 8 | 22 23 | 22 16 | 24 6 | 0 47 | 4 39 |
| T 23 | 23 19 | 20 38 | 4 36 | 21 10 | 2 5 | 21 56 | 1 39 | 11 57 | 0 36 | 10 55 | 0 46 | 1 31 | 2 7 | 23 1 | 0 2 | 18 6 | 1 38 | 15 31 | 12 8 | 22 23 | 22 15 | 24 5 | 0 47 | 4 39 |
| F 24 | 23 18 | 16 18 | 5 6 | 20 54 | 2 19 | 21 42 | 1 40 | 12 6 | 0 37 | 10 56 | 0 46 | 1 31 | 2 7 | 23 1 | 0 2 | 18 7 | 1 38 | 15 32 | 12 9 | 22 23 | 22 15 | 24 5 | 0 47 | 4 38 |
| S 25 | 23 17 | 11 7 | 5 16 | 20 40 | 2 30 | 21 26 | 1 42 | 12 15 | 0 39 | 10 56 | 0 47 | 1 32 | 2 8 | 23 1 | 0 2 | 18 7 | 1 38 | 15 32 | 12 9 | 22 22 | 22 15 | 24 4 | 0 46 | 4 38 |
| S 26 | 23 16 | 5 32 | 5 7 | 20 28 | 2 39 | 21 11 | 1 43 | 12 23 | 0 41 | 10 57 | 0 47 | 1 33 | 2 8 | 23 0 | 0 2 | 18 8 | 1 38 | 15 33 | 12 9 | 22 22 | 22 14 | 24 3 | 0 46 | 4 38 |
| M27 | 23 14 | 0n10 | 4 41 | 20 19 | 2 46 | 20 55 | 1 43 | 12 32 | 0 43 | 10 58 | 0 47 | 1 34 | 2 8 | 23 0 | 0 2 | 18 8 | 1 38 | 15 33 | 12 10 | 22 22 | 22 14 | 24 3 | 0 46 | 4 37 |
| T 28 | 23 11 | 5 43 | 4 1 | 20 12 | 2 50 | 20 38 | 1 44 | 12 41 | 0 44 | 10 58 | 0 47 | 1 35 | 2 8 | 23 0 | 0 2 | 18 8 | 1 38 | 15 34 | 12 10 | 22 22 | 22 13 | 24 2 | 0 45 | 4 37 |
| W29 | 23 9 | 10 54 | 3 9 | 20 8 | 2 53 | 20 20 | 1 45 | 12 50 | 0 46 | 10 59 | 0 48 | 1 35 | 2 9 | 23 0 | 0 2 | 18 9 | 1 38 | 15 34 | 12 11 | 22 23 | 22 13 | 24 1 | 0 45 | 4 37 |
| T 30 | 23 5 | 15 31 | 2 10 | 20 7 | 2 53 | 20 2 | 1 46 | 12 59 | 0 47 | 11 0 | 0 48 | 1 36 | 2 9 | 23 0 | 0 2 | 18 9 | 1 38 | 15 35 | 12 11 | 22 23 | 22 13 | 24 0 | 0 44 | 4 36 |
| F 31 | 23s 1 | 19n25 | 1s 6 | 20s 8 | 2n52 | 19s44 | 1s46 | 13n 9 | 0n49 | 11n 1 | 0n48 | 1s36 | 2n 9 | 23n 0 | 0n 2 | 18s10 | 1n38 | 15n35 | 12n12 | 22n23 | 22n12 | 24n 0 | 0s44 | 4n36 |

Julian Day Number = 2799224.5, Delta T = 49m47s
Ecliptic obliquity = 23°18'59, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°03'53, Lahiri = 37°10'53


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# ASTRODIENST EPHEMERIS for the year 2952
# geocentric

## JANUARY 2952 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 41 49 | 9♉50'14 | 14♊19 | 20♐47 | 9♒52 | 3♉10 | 3°R12 | 9♎ 8 | 20°R16 | 28♏40 | 18°R52 | 14°R10 | 12♊39 | 28♋28 | 17♓23 | S 1 |
| S 2 | 6 45 45 | 10°51'13 | 26°20 | 21° 3 | 11° 6 | 3°33 | 3♍ 9 | 9°10 | 20♊14 | 28°42 | 18♍51 | 14♊ 9 | 12°36 | 28°35 | 17°25 | S 2 |
| M 3 | 6 49 42 | 11°52'13 | 8♋16 | 21°27 | 12°20 | 3°57 | 3° 6 | 9°12 | 20°11 | 28°44 | 18°51 | 14° 7 | 12°32 | 28°41 | 17°27 | M 3 |
| T 4 | 6 53 38 | 12°53'13 | 20° 8 | 21°58 | 13°34 | 4°21 | 3° 4 | 9°13 | 20° 9 | 28°45 | 18°51 | 14° 4 | 12°29 | 28°48 | 17°29 | T 4 |
| W 5 | 6 57 35 | 13°54'13 | 1♌59 | 22°36 | 14°48 | 4°45 | 3° 1 | 9°15 | 20° 7 | 28°47 | 18°50 | 13°59 | 12°26 | 28°55 | 17°31 | W 5 |
| T 6 | 7 1 31 | 14°55'15 | 13°49 | 23°20 | 16° 2 | 5°10 | 2°57 | 9°17 | 20° 4 | 28°49 | 18°50 | 13°53 | 12°23 | 29° 1 | 17°33 | T 6 |
| F 7 | 7 5 28 | 15°56'17 | 25°42 | 24°10 | 17°16 | 5°35 | 2°54 | 9°18 | 20° 2 | 28°50 | 18°49 | 13°47 | 12°20 | 29° 8 | 17°36 | F 7 |
| S 8 | 7 9 24 | 16°57'19 | 7♍39 | 25° 4 | 18°30 | 6° 0 | 2°50 | 9°19 | 20° 0 | 28°52 | 18°49 | 13°41 | 12°17 | 29°15 | 17°38 | S 8 |
| S 9 | 7 13 21 | 17°58'22 | 19°44 | 26° 2 | 19°44 | 6°26 | 2°46 | 9°20 | 19°58 | 28°54 | 18°48 | 13°37 | 12°13 | 29°21 | 17°40 | S 9 |
| M10 | 7 17 18 | 18°59'26 | 2♎ 0 | 27° 4 | 20°58 | 6°52 | 2°42 | 9°21 | 19°56 | 28°55 | 18°48 | 13°33 | 12°10 | 29°28 | 17°43 | M10 |
| T 11 | 7 21 14 | 20° 0'30 | 14°31 | 28° 9 | 22°12 | 7°18 | 2°38 | 9°22 | 19°54 | 28°57 | 18°47 | 13°D32 | 12° 7 | 29°35 | 17°45 | T 11 |
| W12 | 7 25 11 | 21° 1'35 | 27°21 | 29°17 | 23°26 | 7°45 | 2°34 | 9°23 | 19°52 | 28°58 | 18°46 | 13°32 | 12° 4 | 29°42 | 17°48 | W12 |
| T 13 | 7 29 7 | 22° 2'41 | 10♏34 | 0♑28 | 24°40 | 8°12 | 2°30 | 9°24 | 19°50 | 29° 0 | 18°46 | 13°33 | 12° 1 | 29°48 | 17°50 | T 13 |
| F 14 | 7 33 4 | 23° 3'47 | 24°13 | 1°40 | 25°54 | 8°39 | 2°25 | 9°25 | 19°48 | 29° 1 | 18°45 | 13°35 | 11°58 | 29°55 | 17°53 | F 14 |
| S 15 | 7 37 0 | 24° 4'54 | 8♐20 | 2°55 | 27° 8 | 9° 6 | 2°20 | 9°25 | 19°46 | 29° 3 | 18°44 | 13°R36 | 11°54 | 0♌ 2 | 17°56 | S 15 |
| S 16 | 7 40 57 | 25° 6'02 | 22°53 | 4°12 | 28°21 | 9°34 | 2°15 | 9°25 | 19°44 | 29° 4 | 18°43 | 13°35 | 11°51 | 0° 8 | 17°58 | S 16 |
| M17 | 7 44 53 | 26° 7'09 | 7♑50 | 5°30 | 29°35 | 10° 2 | 2°10 | 9°26 | 19°42 | 29° 6 | 18°43 | 13°33 | 11°48 | 0°15 | 18° 1 | M17 |
| T 18 | 7 48 50 | 27° 8'17 | 23° 3 | 6°49 | 0♓49 | 10°30 | 2° 5 | 9°26 | 19°40 | 29° 7 | 18°42 | 13°29 | 11°45 | 0°22 | 18° 4 | T 18 |
| W19 | 7 52 47 | 28° 9'25 | 8♒22 | 8°10 | 2° 2 | 10°58 | 1°59 | 9°R26 | 19°38 | 29° 9 | 18°41 | 13°23 | 11°42 | 0°28 | 18° 7 | W19 |
| T 20 | 7 56 43 | 29°10'33 | 23°35 | 9°31 | 3°16 | 11°27 | 1°53 | 9°26 | 19°36 | 29°10 | 18°40 | 13°16 | 11°38 | 0°35 | 18°10 | T 20 |
| F 21 | 8 0 40 | 0♒11'41 | 8♓34 | 10°54 | 4°30 | 11°56 | 1°48 | 9°26 | 19°35 | 29°11 | 18°39 | 13° 8 | 11°35 | 0°42 | 18°12 | F 21 |
| S 22 | 8 4 36 | 1°12'48 | 23° 9 | 12°18 | 5°43 | 12°25 | 1°42 | 9°25 | 19°33 | 29°13 | 18°38 | 13° 2 | 11°32 | 0°48 | 18°15 | S 22 |
| S 23 | 8 8 33 | 2°13'56 | 7♈15 | 13°43 | 6°57 | 12°54 | 1°36 | 9°25 | 19°31 | 29°14 | 18°37 | 12°57 | 11°29 | 0°55 | 18°18 | S 23 |
| M24 | 8 12 29 | 3°15'02 | 20°53 | 15° 8 | 8°10 | 13°24 | 1°29 | 9°25 | 19°30 | 29°15 | 18°36 | 12°54 | 11°26 | 1° 2 | 18°21 | M24 |
| T 25 | 8 16 26 | 4°16'09 | 4♉ 2 | 16°34 | 9°23 | 13°54 | 1°23 | 9°24 | 19°28 | 29°16 | 18°35 | 12°D53 | 11°23 | 1° 9 | 18°25 | T 25 |
| W26 | 8 20 22 | 5°17'14 | 16°47 | 18° 1 | 10°37 | 14°23 | 1°17 | 9°23 | 19°26 | 29°17 | 18°34 | 12°54 | 11°19 | 1°15 | 18°28 | W26 |
| T 27 | 8 24 19 | 6°18'20 | 29°13 | 19°28 | 11°50 | 14°54 | 1°10 | 9°22 | 19°25 | 29°19 | 18°33 | 12°55 | 11°16 | 1°22 | 18°31 | T 27 |
| F 28 | 8 28 16 | 7°19'25 | 11♊23 | 20°57 | 13° 3 | 15°24 | 1° 3 | 9°22 | 19°23 | 29°20 | 18°32 | 12°R56 | 11°13 | 1°29 | 18°34 | F 28 |
| S 29 | 8 32 12 | 8°20'29 | 23°23 | 22°25 | 14°16 | 15°54 | 0°56 | 9°21 | 19°22 | 29°21 | 18°31 | 12°55 | 11°10 | 1°35 | 18°37 | S 29 |
| S 30 | 8 36 9 | 9°21'33 | 5♋16 | 23°55 | 15°29 | 16°25 | 0°50 | 9°19 | 19°21 | 29°22 | 18°30 | 12°52 | 11° 7 | 1°42 | 18°40 | S 30 |
| M31 | 8 40 5 | 10♒22'37 | 17♋ 6 | 25♑25 | 16♓42 | 16♉56 | 0♍43 | 9♎18 | 19♊19 | 29♏23 | 18♍29 | 12♊47 | 11♊ 4 | 1♌49 | 18♓44 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s57 | 22n25 | 0n 1 | 20s11 | 2n49 | 19s24 | 1s47 | 13n18 | 0n50 | 11n 2 | 0n48 | 1s37 | 2n10 | 23n 0 | 0n 2 | 18s10 | 1n38 | 15n36 | 12n12 | 22n23 | 22n12 | 23n59 | 0s43 | 4n36 |
| S 2 | 22 53 | 24 22 | 1 6 | 20 16 | 2 46 | 19 5 | 1 47 | 13 27 | 0 52 | 11 3 | 0 49 | 1 37 | 2 10 | 22 59 | 0 2 | 18 10 | 1 38 | 15 36 | 12 12 | 22 23 | 22 11 | 23 58 | 0 43 | 4 35 |
| M 3 | 22 47 | 25 12 | 2 8 | 20 22 | 2 41 | 18 44 | 1 48 | 13 36 | 0 53 | 11 4 | 0 49 | 1 38 | 2 10 | 22 59 | 0 2 | 18 11 | 1 38 | 15 37 | 12 13 | 22 23 | 22 11 | 23 57 | 0 42 | 4 35 |
| T 4 | 22 42 | 24 51 | 3 4 | 20 30 | 2 35 | 18 24 | 1 48 | 13 46 | 0 55 | 11 6 | 0 49 | 1 38 | 2 10 | 22 59 | 0 2 | 18 11 | 1 38 | 15 37 | 12 13 | 22 22 | 22 11 | 23 56 | 0 42 | 4 35 |
| W 5 | 22 36 | 23 23 | 3 52 | 20 38 | 2 29 | 18 2 | 1 48 | 13 55 | 0 56 | 11 7 | 0 49 | 1 39 | 2 11 | 22 59 | 0 2 | 18 11 | 1 38 | 15 38 | 12 14 | 22 22 | 22 10 | 23 56 | 0 41 | 4 35 |
| T 6 | 22 29 | 20 54 | 4 30 | 20 47 | 2 22 | 17 41 | 1 49 | 14 5 | 0 57 | 11 8 | 0 50 | 1 39 | 2 11 | 22 59 | 0 2 | 18 12 | 1 38 | 15 38 | 12 14 | 22 21 | 22 10 | 23 55 | 0 41 | 4 34 |
| F 7 | 22 22 | 17 32 | 4 56 | 20 57 | 2 14 | 17 18 | 1 49 | 14 14 | 0 59 | 11 10 | 0 50 | 1 39 | 2 11 | 22 59 | 0 2 | 18 12 | 1 38 | 15 39 | 12 14 | 22 20 | 22 9 | 23 54 | 0 40 | 4 34 |
| S 8 | 22 15 | 13 27 | 5 10 | 21 7 | 2 7 | 16 56 | 1 49 | 14 24 | 1 0 | 11 11 | 0 50 | 1 39 | 2 12 | 22 58 | 0 2 | 18 12 | 1 38 | 15 39 | 12 15 | 22 20 | 22 9 | 23 53 | 0 39 | 4 34 |
| S 9 | 22 7 | 8 48 | 5 10 | 21 17 | 1 58 | 16 32 | 1 49 | 14 33 | 1 1 | 11 13 | 0 50 | 1 40 | 2 12 | 22 58 | 0 2 | 18 13 | 1 38 | 15 40 | 12 15 | 22 19 | 22 9 | 23 52 | 0 39 | 4 33 |
| M10 | 21 59 | 3 44 | 4 56 | 21 27 | 1 50 | 16 9 | 1 48 | 14 43 | 1 2 | 11 14 | 0 50 | 1 40 | 2 12 | 22 58 | 0 2 | 18 13 | 1 38 | 15 41 | 12 16 | 22 19 | 22 8 | 23 52 | 0 38 | 4 33 |
| T 11 | 21 50 | 1s35 | 4 27 | 21 37 | 1 42 | 15 45 | 1 48 | 14 53 | 1 3 | 11 16 | 0 51 | 1 40 | 2 12 | 22 58 | 0 2 | 18 13 | 1 38 | 15 41 | 12 16 | 22 18 | 22 8 | 23 51 | 0 38 | 4 33 |
| W12 | 21 41 | 6 58 | 3 45 | 21 46 | 1 33 | 15 20 | 1 48 | 15 2 | 1 4 | 11 18 | 0 51 | 1 40 | 2 13 | 22 58 | 0 2 | 18 13 | 1 38 | 15 42 | 12 16 | 22 18 | 22 7 | 23 50 | 0 37 | 4 32 |
| T 13 | 21 31 | 12 13 | 2 50 | 21 55 | 1 24 | 14 55 | 1 47 | 15 12 | 1 6 | 11 20 | 0 51 | 1 40 | 2 13 | 22 58 | 0 2 | 18 14 | 1 39 | 15 42 | 12 17 | 22 19 | 22 7 | 23 49 | 0 36 | 4 32 |
| F 14 | 21 21 | 17 3 | 1 43 | 22 3 | 1 16 | 14 30 | 1 47 | 15 22 | 1 7 | 11 22 | 0 51 | 1 40 | 2 13 | 22 58 | 0 2 | 18 14 | 1 39 | 15 43 | 12 17 | 22 19 | 22 6 | 23 48 | 0 35 | 4 32 |
| S 15 | 21 11 | 21 7 | 0 29 | 22 10 | 1 7 | 14 4 | 1 46 | 15 31 | 1 8 | 11 24 | 0 52 | 1 40 | 2 13 | 22 57 | 0 2 | 18 14 | 1 39 | 15 44 | 12 18 | 22 19 | 22 6 | 23 47 | 0 35 | 4 32 |
| S 16 | 21 0 | 23 58 | 0s50 | 22 17 | 0 58 | 13 38 | 1 46 | 15 41 | 1 9 | 11 26 | 0 52 | 1 40 | 2 14 | 22 57 | 0 2 | 18 15 | 1 39 | 15 44 | 12 18 | 22 19 | 22 6 | 23 46 | 0 34 | 4 31 |
| M17 | 20 49 | 25 13 | 2 8 | 22 22 | 0 50 | 13 12 | 1 45 | 15 51 | 1 10 | 11 28 | 0 52 | 1 40 | 2 14 | 22 57 | 0 2 | 18 15 | 1 39 | 15 45 | 12 18 | 22 19 | 22 5 | 23 46 | 0 33 | 4 31 |
| T 18 | 20 37 | 24 36 | 3 17 | 22 27 | 0 41 | 12 45 | 1 44 | 16 1 | 1 10 | 11 30 | 0 52 | 1 39 | 2 14 | 22 57 | 0 2 | 18 15 | 1 39 | 15 46 | 12 19 | 22 18 | 22 5 | 23 45 | 0 32 | 4 31 |
| W19 | 20 25 | 22 9 | 4 13 | 22 31 | 0 33 | 12 18 | 1 43 | 16 10 | 1 11 | 11 32 | 0 52 | 1 39 | 2 15 | 22 57 | 0 2 | 18 15 | 1 39 | 15 46 | 12 19 | 22 17 | 22 4 | 23 44 | 0 31 | 4 31 |
| T 20 | 20 13 | 18 9 | 4 50 | 22 34 | 0 24 | 11 51 | 1 42 | 16 20 | 1 12 | 11 34 | 0 53 | 1 39 | 2 15 | 22 57 | 0 2 | 18 16 | 1 39 | 15 47 | 12 19 | 22 16 | 22 4 | 23 43 | 0 30 | 4 30 |
| F 21 | 20 0 | 13 4 | 5 7 | 22 36 | 0 16 | 11 23 | 1 41 | 16 30 | 1 13 | 11 36 | 0 53 | 1 39 | 2 15 | 22 57 | 0 2 | 18 16 | 1 39 | 15 48 | 12 20 | 22 16 | 22 4 | 23 42 | 0 30 | 4 30 |
| S 22 | 19 47 | 7 21 | 5 3 | 22 37 | 0 8 | 10 55 | 1 40 | 16 39 | 1 14 | 11 39 | 0 53 | 1 38 | 2 15 | 22 56 | 0 2 | 18 16 | 1 39 | 15 48 | 12 20 | 22 15 | 22 3 | 23 41 | 0 29 | 4 30 |
| S 23 | 19 34 | 1 26 | 4 41 | 22 37 | 0 0 | 10 27 | 1 39 | 16 49 | 1 15 | 11 41 | 0 53 | 1 38 | 2 16 | 22 56 | 0 2 | 18 16 | 1 39 | 15 49 | 12 20 | 22 14 | 22 3 | 23 40 | 0 28 | 4 29 |
| M24 | 19 20 | 4n21 | 4 3 | 22 35 | 0s 7 | 9 58 | 1 37 | 16 59 | 1 15 | 11 43 | 0 53 | 1 37 | 2 16 | 22 56 | 0 2 | 18 16 | 1 39 | 15 50 | 12 21 | 22 14 | 22 2 | 23 39 | 0 27 | 4 29 |
| T 25 | 19 6 | 9 45 | 3 14 | 22 33 | 0 15 | 9 30 | 1 36 | 17 8 | 1 16 | 11 46 | 0 54 | 1 37 | 2 16 | 22 56 | 0 2 | 18 17 | 1 39 | 15 50 | 12 21 | 22 14 | 22 2 | 23 38 | 0 26 | 4 29 |
| W26 | 18 51 | 14 36 | 2 16 | 22 29 | 0 22 | 9 0 | 1 34 | 17 18 | 1 17 | 11 48 | 0 54 | 1 36 | 2 17 | 22 56 | 0 2 | 18 17 | 1 39 | 15 51 | 12 21 | 22 14 | 22 1 | 23 37 | 0 25 | 4 29 |
| T 27 | 18 36 | 18 41 | 1 13 | 22 24 | 0 30 | 8 31 | 1 33 | 17 28 | 1 18 | 11 51 | 0 54 | 1 36 | 2 17 | 22 56 | 0 2 | 18 17 | 1 39 | 15 52 | 12 22 | 22 14 | 22 1 | 23 36 | 0 24 | 4 29 |
| F 28 | 18 21 | 21 54 | 0 8 | 22 18 | 0 37 | 8 2 | 1 31 | 17 37 | 1 18 | 11 53 | 0 54 | 1 35 | 2 17 | 22 56 | 0 2 | 18 17 | 1 39 | 15 52 | 12 22 | 22 14 | 22 0 | 23 35 | 0 23 | 4 28 |
| S 29 | 18 5 | 24 5 | 0n56 | 22 11 | 0 43 | 7 32 | 1 29 | 17 47 | 1 19 | 11 56 | 0 54 | 1 35 | 2 17 | 22 56 | 0 2 | 18 17 | 1 39 | 15 53 | 12 22 | 22 14 | 22 0 | 23 34 | 0 22 | 4 28 |
| S 30 | 17 49 | 25 9 | 1 57 | 22 2 | 0 50 | 7 2 | 1 27 | 17 56 | 1 20 | 11 58 | 0 54 | 1 34 | 2 18 | 22 56 | 0 2 | 18 18 | 1 39 | 15 54 | 12 23 | 22 14 | 22 0 | 23 34 | 0 21 | 4 28 |
| M31 | 17s33 | 25n 5 | 2n52 | 21s52 | 0s56 | 6s32 | 1s26 | 18n 6 | 1n20 | 12n 1 | 0n55 | 1s33 | 2n18 | 22n55 | 0n 2 | 18s18 | 1n39 | 15n55 | 12n23 | 22n13 | 21n59 | 23n33 | 0s20 | 4n28 |

Julian Day Number = 2799255.5, Delta T = 49m47s
Ecliptic obliquity = 23°18'59, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°03'57, Lahiri = 37°10'58


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# ASTRODIENST EPHEMERIS for the year 2952
# geocentric

## FEBRUARY 2952 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 44 2 | 11♒23'40 | 28♋56 | 26♉55 | 17♓55 | 17♉27 | 0°R35 | 9°R17 | 19°R18 | 29♏24 | 18°R28 | 12°R39 | 11♊ 0 | 1♌55 | 18♓47 | T 1 |
| W 2 | 8 47 58 | 12°24'42 | 10♌47 | 28°26 | 19° 8 | 17°58 | 0♍28 | 9♎15 | 19♊17 | 29°25 | 18♍27 | 12♊28 | 10°57 | 2° 2 | 18°50 | W 2 |
| T 3 | 8 51 55 | 13°25'44 | 22°41 | 29°58 | 20°21 | 18°29 | 0°21 | 9°14 | 19°16 | 29°26 | 18°26 | 12°16 | 10°54 | 2° 9 | 18°54 | T 3 |
| F 4 | 8 55 52 | 14°26'45 | 4♍40 | 1♒30 | 21°34 | 19° 1 | 0°13 | 9°12 | 19°14 | 29°27 | 18°24 | 12° 4 | 10°51 | 2°15 | 18°57 | F 4 |
| S 5 | 8 59 48 | 15°27'46 | 16°45 | 3° 3 | 22°46 | 19°33 | 0° 6 | 9°10 | 19°13 | 29°27 | 18°23 | 11°52 | 10°48 | 2°22 | 19° 1 | S 5 |
| S 6 | 9 3 45 | 16°28'47 | 28°57 | 4°36 | 23°59 | 20° 4 | 29♌58 | 9° 8 | 19°12 | 29°28 | 18°22 | 11°41 | 10°44 | 2°29 | 19° 4 | S 6 |
| M 7 | 9 7 41 | 17°29'47 | 11♎18 | 6°10 | 25°12 | 20°36 | 29°51 | 9° 6 | 19°11 | 29°29 | 18°21 | 11°33 | 10°41 | 2°35 | 19° 7 | M 7 |
| T 8 | 9 11 38 | 18°30'46 | 23°51 | 7°44 | 26°24 | 21° 8 | 29°43 | 9° 4 | 19°10 | 29°30 | 18°19 | 11°27 | 10°38 | 2°42 | 19°11 | T 8 |
| W 9 | 9 15 34 | 19°31'45 | 6♏40 | 9°19 | 27°36 | 21°41 | 29°35 | 9° 2 | 19° 9 | 29°30 | 18°18 | 11°25 | 10°35 | 2°49 | 19°15 | W 9 |
| T 10 | 9 19 31 | 20°32'44 | 19°46 | 10°55 | 28°49 | 22°13 | 29°28 | 9° 0 | 19° 9 | 29°31 | 18°17 | 11°D24 | 10°32 | 2°56 | 19°18 | T 10 |
| F 11 | 9 23 27 | 21°33'42 | 3♐14 | 12°31 | 0♈ 1 | 22°45 | 29°20 | 8°58 | 19° 8 | 29°32 | 18°16 | 11°24 | 10°29 | 3° 2 | 19°22 | F 11 |
| S 12 | 9 27 24 | 22°34'40 | 17° 7 | 14° 8 | 1°13 | 23°18 | 29°12 | 8°55 | 19° 7 | 29°32 | 18°14 | 11°R24 | 10°25 | 3° 9 | 19°25 | S 12 |
| S 13 | 9 31 21 | 23°35'38 | 1♑24 | 15°46 | 2°25 | 23°51 | 29° 4 | 8°53 | 19° 6 | 29°33 | 18°13 | 11°23 | 10°22 | 3°16 | 19°29 | S 13 |
| M14 | 9 35 17 | 24°36'35 | 16° 6 | 17°24 | 3°37 | 24°23 | 28°56 | 8°50 | 19° 6 | 29°34 | 18°12 | 11°19 | 10°19 | 3°22 | 19°33 | M14 |
| T 15 | 9 39 14 | 25°37'31 | 1♒ 7 | 19° 3 | 4°49 | 24°56 | 28°48 | 8°47 | 19° 5 | 29°34 | 18°10 | 11°12 | 10°16 | 3°29 | 19°36 | T 15 |
| W16 | 9 43 10 | 26°38'26 | 16°20 | 20°43 | 6° 1 | 25°29 | 28°40 | 8°44 | 19° 4 | 29°35 | 18° 9 | 11° 3 | 10°13 | 3°36 | 19°40 | W16 |
| T 17 | 9 47 7 | 27°39'21 | 1♓33 | 22°23 | 7°13 | 26° 3 | 28°32 | 8°41 | 19° 4 | 29°35 | 18° 7 | 10°52 | 10°10 | 3°42 | 19°44 | T 17 |
| F 18 | 9 51 3 | 28°40'14 | 16°37 | 24° 4 | 8°24 | 26°36 | 28°24 | 8°38 | 19° 3 | 29°36 | 18° 6 | 10°40 | 10° 6 | 3°49 | 19°47 | F 18 |
| S 19 | 9 55 0 | 29°41'06 | 1♈21 | 25°46 | 9°36 | 27° 9 | 28°16 | 8°35 | 19° 3 | 29°36 | 18° 5 | 10°29 | 10° 3 | 3°56 | 19°51 | S 19 |
| S 20 | 9 58 56 | 0♓41'57 | 15°38 | 27°28 | 10°47 | 27°43 | 28° 8 | 8°32 | 19° 3 | 29°36 | 18° 3 | 10°21 | 10° 0 | 4° 3 | 19°55 | S 20 |
| M21 | 10 2 53 | 1°42'47 | 29°25 | 29°12 | 11°59 | 28°16 | 28° 0 | 8°29 | 19° 2 | 29°37 | 18° 2 | 10°14 | 9°57 | 4° 9 | 19°59 | M21 |
| T 22 | 10 6 49 | 2°43'35 | 12♉42 | 0♓56 | 13°10 | 28°50 | 27°52 | 8°26 | 19° 2 | 29°37 | 18° 0 | 10°11 | 9°54 | 4°16 | 20° 3 | T 22 |
| W23 | 10 10 46 | 3°44'22 | 25°32 | 2°40 | 14°21 | 29°24 | 27°44 | 8°22 | 19° 2 | 29°37 | 17°59 | 10°10 | 9°50 | 4°23 | 20° 6 | W23 |
| T 24 | 10 14 43 | 4°45'08 | 7♊59 | 4°26 | 15°32 | 29°58 | 27°36 | 8°19 | 19° 2 | 29°37 | 17°57 | 10°10 | 9°47 | 4°29 | 20°10 | T 24 |
| F 25 | 10 18 39 | 5°45'52 | 20° 9 | 6°12 | 16°43 | 0♊32 | 27°28 | 8°15 | 19° 2 | 29°38 | 17°56 | 10°10 | 9°44 | 4°36 | 20°14 | F 25 |
| S 26 | 10 22 36 | 6°46'35 | 2♋ 7 | 7°59 | 17°53 | 1° 6 | 27°21 | 8°11 | 19°D 2 | 29°38 | 17°54 | 10° 8 | 9°41 | 4°43 | 20°18 | S 26 |
| S 27 | 10 26 32 | 7°47'16 | 13°58 | 9°47 | 19° 4 | 1°40 | 27°13 | 8° 8 | 19° 2 | 29°38 | 17°53 | 10° 4 | 9°38 | 4°49 | 20°22 | S 27 |
| M28 | 10 30 29 | 8°47'55 | 25°46 | 11°35 | 20°15 | 2°14 | 27° 5 | 8° 4 | 19° 2 | 29°38 | 17°51 | 9°58 | 9°35 | 4°56 | 20°26 | M28 |
| T 29 | 10 34 25 | 9♓48'33 | 7♌36 | 13♓24 | 21♈25 | 2♊49 | 26♌57 | 8♎ 0 | 19♊ 2 | 29♏38 | 17♍50 | 9♊48 | 9♊31 | 5♌ 3 | 20♓30 | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s16 | 23n52 | 3n40 | 21s41 | 1s 3 | 6s 2 | 1s24 | 18n15 | 1n21 | 12n 4 | 0n55 | 1s32 | 2n18 | 22n55 | 0n 2 | 18s18 | 1n39 | 15n55 | 12n23 | 22n12 | 21n59 | 23n32 | 0s19 | 4n27 |
| W 2 | 17 0 | 21 35 | 4 18 | 21 29 | 1 9 | 5 32 | 1 21 | 18 24 | 1 22 | 12 6 | 0 55 | 1 32 | 2 18 | 22 55 | 0 2 | 18 18 | 1 40 | 15 56 | 12 24 | 22 10 | 21 58 | 23 31 | 0 18 | 4 27 |
| T 3 | 16 42 | 18 23 | 4 46 | 21 16 | 1 14 | 5 1 | 1 19 | 18 33 | 1 22 | 12 9 | 0 55 | 1 31 | 2 19 | 22 55 | 0 2 | 18 18 | 1 40 | 15 57 | 12 24 | 22 9 | 21 58 | 23 30 | 0 16 | 4 27 |
| F 4 | 16 25 | 14 24 | 5 0 | 21 1 | 1 20 | 4 31 | 1 17 | 18 43 | 1 23 | 12 12 | 0 55 | 1 30 | 2 19 | 22 55 | 0 2 | 18 18 | 1 40 | 15 58 | 12 24 | 22 7 | 21 57 | 23 29 | 0 15 | 4 27 |
| S 5 | 16 7 | 9 50 | 5 2 | 20 45 | 1 25 | 4 0 | 1 15 | 18 52 | 1 23 | 12 15 | 0 55 | 1 29 | 2 19 | 22 55 | 0 2 | 18 18 | 1 40 | 15 58 | 12 25 | 22 6 | 21 57 | 23 28 | 0 14 | 4 27 |
| S 6 | 15 49 | 4 51 | 4 49 | 20 28 | 1 30 | 3 29 | 1 12 | 19 1 | 1 24 | 12 17 | 0 56 | 1 28 | 2 20 | 22 55 | 0 2 | 18 19 | 1 40 | 15 59 | 12 25 | 22 4 | 21 57 | 23 27 | 0 13 | 4 26 |
| M 7 | 15 31 | 0s24 | 4 23 | 20 10 | 1 34 | 2 58 | 1 10 | 19 10 | 1 24 | 12 20 | 0 56 | 1 27 | 2 20 | 22 55 | 0 2 | 18 19 | 1 40 | 16 0 | 12 25 | 22 3 | 21 56 | 23 26 | 0 12 | 4 26 |
| T 8 | 15 12 | 5 44 | 3 44 | 19 50 | 1 39 | 2 27 | 1 7 | 19 19 | 1 25 | 12 23 | 0 56 | 1 26 | 2 20 | 22 55 | 0 2 | 18 19 | 1 40 | 16 0 | 12 25 | 22 2 | 21 56 | 23 25 | 0 11 | 4 26 |
| W 9 | 14 53 | 10 56 | 2 53 | 19 29 | 1 43 | 1 56 | 1 4 | 19 28 | 1 25 | 12 26 | 0 56 | 1 25 | 2 20 | 22 55 | 0 2 | 18 19 | 1 40 | 16 1 | 12 26 | 22 2 | 21 55 | 23 24 | 0 9 | 4 26 |
| T 10 | 14 34 | 15 47 | 1 52 | 19 7 | 1 47 | 1 25 | 1 2 | 19 36 | 1 26 | 12 29 | 0 56 | 1 24 | 2 21 | 22 55 | 0 2 | 18 19 | 1 40 | 16 2 | 12 26 | 22 2 | 21 55 | 23 22 | 0 8 | 4 26 |
| F 11 | 14 15 | 19 59 | 0 43 | 18 43 | 1 50 | 0 54 | 0 59 | 19 45 | 1 26 | 12 32 | 0 56 | 1 22 | 2 21 | 22 55 | 0 2 | 18 19 | 1 40 | 16 3 | 12 26 | 22 2 | 21 54 | 23 21 | 0 7 | 4 25 |
| S 12 | 13 55 | 23 12 | 0s30 | 18 19 | 1 53 | 0 22 | 0 56 | 19 54 | 1 26 | 12 35 | 0 56 | 1 21 | 2 21 | 22 55 | 0 2 | 18 19 | 1 40 | 16 3 | 12 26 | 22 2 | 21 54 | 23 20 | 0 6 | 4 25 |
| S 13 | 13 35 | 25 3 | 1 44 | 17 53 | 1 56 | 0n 9 | 0 53 | 20 2 | 1 27 | 12 37 | 0 57 | 1 20 | 2 21 | 22 55 | 0 2 | 18 19 | 1 40 | 16 4 | 12 27 | 22 2 | 21 53 | 23 19 | 0 5 | 4 25 |
| M14 | 13 15 | 25 13 | 2 53 | 17 26 | 1 59 | 0 40 | 0 50 | 20 11 | 1 27 | 12 40 | 0 57 | 1 19 | 2 22 | 22 55 | 0 2 | 18 19 | 1 40 | 16 5 | 12 27 | 22 1 | 21 53 | 23 18 | 0 3 | 4 25 |
| T 15 | 12 55 | 23 34 | 3 51 | 16 57 | 2 1 | 1 11 | 0 47 | 20 19 | 1 28 | 12 43 | 0 57 | 1 18 | 2 22 | 22 54 | 0 2 | 18 19 | 1 40 | 16 6 | 12 27 | 22 0 | 21 52 | 23 17 | 0 2 | 4 25 |
| W16 | 12 34 | 20 13 | 4 34 | 16 27 | 2 3 | 1 43 | 0 44 | 20 28 | 1 28 | 12 46 | 0 57 | 1 16 | 2 22 | 22 54 | 0 2 | 18 19 | 1 40 | 16 6 | 12 27 | 21 59 | 21 52 | 23 16 | 0 1 | 4 24 |
| T 17 | 12 14 | 15 29 | 4 57 | 15 56 | 2 4 | 2 14 | 0 40 | 20 36 | 1 28 | 12 49 | 0 57 | 1 15 | 2 22 | 22 54 | 0 2 | 18 19 | 1 40 | 16 7 | 12 27 | 21 58 | 21 52 | 23 15 | 0n 1 | 4 24 |
| F 18 | 11 53 | 9 51 | 4 59 | 15 24 | 2 6 | 2 45 | 0 37 | 20 44 | 1 29 | 12 52 | 0 57 | 1 13 | 2 22 | 22 54 | 0 2 | 18 20 | 1 40 | 16 8 | 12 28 | 21 56 | 21 51 | 23 14 | 0 2 | 4 24 |
| S 19 | 11 31 | 3 46 | 4 41 | 14 51 | 2 6 | 3 16 | 0 34 | 20 52 | 1 29 | 12 55 | 0 57 | 1 12 | 2 23 | 22 54 | 0 2 | 18 20 | 1 40 | 16 9 | 12 28 | 21 54 | 21 51 | 23 13 | 0 3 | 4 24 |
| S 20 | 11 10 | 2n20 | 4 6 | 14 16 | 2 7 | 3 47 | 0 30 | 21 0 | 1 29 | 12 57 | 0 57 | 1 11 | 2 23 | 22 54 | 0 2 | 18 20 | 1 41 | 16 9 | 12 28 | 21 53 | 21 50 | 23 12 | 0 4 | 4 24 |
| M21 | 10 49 | 8 7 | 3 18 | 13 40 | 2 6 | 4 18 | 0 27 | 21 8 | 1 30 | 13 0 | 0 57 | 1 9 | 2 23 | 22 54 | 0 2 | 18 20 | 1 41 | 16 10 | 12 28 | 21 52 | 21 50 | 23 11 | 0 6 | 4 24 |
| T 22 | 10 27 | 13 21 | 2 20 | 13 3 | 2 6 | 4 49 | 0 23 | 21 16 | 1 30 | 13 3 | 0 57 | 1 8 | 2 23 | 22 54 | 0 2 | 18 20 | 1 41 | 16 11 | 12 28 | 21 52 | 21 49 | 23 10 | 0 7 | 4 24 |
| W23 | 10 5 | 17 48 | 1 17 | 12 25 | 2 5 | 5 20 | 0 19 | 21 23 | 1 30 | 13 6 | 0 58 | 1 6 | 2 24 | 22 54 | 0 2 | 18 20 | 1 41 | 16 12 | 12 29 | 21 52 | 21 49 | 23 8 | 0 9 | 4 23 |
| T 24 | 9 43 | 21 20 | 0 12 | 11 45 | 2 4 | 5 51 | 0 16 | 21 31 | 1 30 | 13 9 | 0 58 | 1 5 | 2 24 | 22 54 | 0 2 | 18 20 | 1 41 | 16 12 | 12 29 | 21 52 | 21 48 | 23 7 | 0 10 | 4 23 |
| F 25 | 9 21 | 23 50 | 0n53 | 11 5 | 2 2 | 6 21 | 0 12 | 21 38 | 1 31 | 13 11 | 0 58 | 1 3 | 2 24 | 22 54 | 0 2 | 18 20 | 1 41 | 16 13 | 12 29 | 21 52 | 21 48 | 23 6 | 0 11 | 4 23 |
| S 26 | 8 59 | 25 11 | 1 53 | 10 23 | 1 59 | 6 52 | 0 8 | 21 45 | 1 31 | 13 14 | 0 58 | 1 1 | 2 24 | 22 54 | 0 2 | 18 20 | 1 41 | 16 14 | 12 29 | 21 51 | 21 47 | 23 5 | 0 13 | 4 23 |
| S 27 | 8 36 | 25 23 | 2 48 | 9 40 | 1 56 | 7 22 | 0 4 | 21 53 | 1 31 | 13 17 | 0 58 | 1 0 | 2 24 | 22 54 | 0 2 | 18 19 | 1 41 | 16 15 | 12 29 | 21 51 | 21 47 | 23 4 | 0 14 | 4 23 |
| M28 | 8 14 | 24 25 | 3 36 | 8 55 | 1 53 | 7 52 | 0 0 | 22 0 | 1 31 | 13 20 | 0 58 | 0 58 | 2 25 | 22 54 | 0 2 | 18 19 | 1 41 | 16 15 | 12 29 | 21 50 | 21 46 | 23 3 | 0 15 | 4 23 |
| T 29 | 7s51 | 22n22 | 4n14 | 8s10 | 1s49 | 8n22 | 0n 4 | 22n 7 | 1n32 | 13n22 | 0n58 | 0s56 | 2n25 | 22n54 | 0n 2 | 18s19 | 1n41 | 16n16 | 12n29 | 21n48 | 21n46 | 23n 2 | 0n17 | 4n23 |

Julian Day Number = 2799286.5, Delta T = 49m48s
Ecliptic obliquity = 23°19'00, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°04'01, Lahiri = 37°11'02


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# ASTRODIENST EPHEMERIS for the year 2952
# geocentric

## MARCH 2952 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 38 22 | 10♓49'10 | 19♌30 | 15♓14 | 22♈35 | 3♊23 | 26°R50 | 7°R56 | 19♊ 2 | 29°R38 | 17°R48 | 9°R36 | 9♊28 | 5♌10 | 20♓33 | W 1 |
| T 2 | 10 42 18 | 11°49'45 | 1♍31 | 17° 4 | 23°45 | 3°57 | 26♌42 | 7♎52 | 19° 2 | 29♏38 | 17♍47 | 9♊22 | 9°25 | 5°16 | 20°37 | T 2 |
| F 3 | 10 46 15 | 12°50'18 | 13°39 | 18°55 | 24°55 | 4°32 | 26°35 | 7°48 | 19° 3 | 29°38 | 17°45 | 9° 7 | 9°22 | 5°23 | 20°41 | F 3 |
| S 4 | 10 50 12 | 13°50'51 | 25°55 | 20°46 | 26° 5 | 5° 7 | 26°28 | 7°44 | 19° 3 | 29°38 | 17°44 | 8°53 | 9°19 | 5°30 | 20°45 | S 4 |
| S 5 | 10 54 8 | 14°51'21 | 8♎21 | 22°38 | 27°15 | 5°41 | 26°20 | 7°40 | 19° 3 | 29°38 | 17°42 | 8°41 | 9°15 | 5°36 | 20°49 | S 5 |
| M 6 | 10 58 5 | 15°51'51 | 20°56 | 24°29 | 28°24 | 6°16 | 26°13 | 7°36 | 19° 4 | 29°37 | 17°41 | 8°31 | 9°12 | 5°43 | 20°53 | M 6 |
| T 7 | 11 2 1 | 16°52'19 | 3♏41 | 26°20 | 29°33 | 6°51 | 26° 6 | 7°31 | 19° 4 | 29°37 | 17°39 | 8°24 | 9° 9 | 5°50 | 20°57 | T 7 |
| W 8 | 11 5 58 | 17°52'46 | 16°39 | 28°12 | 0♑43 | 7°26 | 25°59 | 7°27 | 19° 5 | 29°37 | 17°38 | 8°20 | 9° 6 | 5°56 | 21° 1 | W 8 |
| T 9 | 11 9 54 | 18°53'11 | 29°50 | 0♈ 2 | 1°52 | 8° 1 | 25°52 | 7°23 | 19° 6 | 29°37 | 17°36 | 8°18 | 9° 3 | 6° 3 | 21° 5 | T 9 |
| F 10 | 11 13 51 | 19°53'35 | 13♐17 | 1°52 | 3° 1 | 8°36 | 25°45 | 7°18 | 19° 6 | 29°37 | 17°35 | 8°18 | 9° 0 | 6°10 | 21° 9 | F 10 |
| S 11 | 11 17 47 | 20°53'58 | 27° 1 | 3°40 | 4° 9 | 9°11 | 25°39 | 7°14 | 19° 7 | 29°36 | 17°33 | 8°18 | 8°56 | 6°16 | 21°13 | S 11 |
| S 12 | 11 21 44 | 21°54'20 | 11♑ 5 | 5°27 | 5°18 | 9°46 | 25°32 | 7° 9 | 19° 8 | 29°36 | 17°31 | 8°17 | 8°53 | 6°23 | 21°17 | S 12 |
| M13 | 11 25 41 | 22°54'41 | 25°28 | 7°12 | 6°26 | 10°21 | 25°26 | 7° 5 | 19° 9 | 29°35 | 17°30 | 8°13 | 8°50 | 6°30 | 21°21 | M13 |
| T 14 | 11 29 37 | 23°55'00 | 10♒ 8 | 8°55 | 7°34 | 10°56 | 25°20 | 7° 0 | 19° 9 | 29°35 | 17°28 | 8° 7 | 8°47 | 6°37 | 21°24 | T 14 |
| W15 | 11 33 34 | 24°55'17 | 24°58 | 10°35 | 8°42 | 11°31 | 25°14 | 6°56 | 19°10 | 29°35 | 17°27 | 7°58 | 8°44 | 6°43 | 21°28 | W15 |
| T 16 | 11 37 30 | 25°55'33 | 9♓53 | 12°11 | 9°50 | 12° 7 | 25° 8 | 6°51 | 19°11 | 29°34 | 17°25 | 7°48 | 8°41 | 6°50 | 21°32 | T 16 |
| F 17 | 11 41 27 | 26°55'48 | 24°42 | 13°44 | 10°58 | 12°42 | 25° 2 | 6°46 | 19°12 | 29°34 | 17°24 | 7°37 | 8°37 | 6°57 | 21°36 | F 17 |
| S 18 | 11 45 23 | 27°56'00 | 9♈17 | 15°11 | 12° 5 | 13°17 | 24°56 | 6°42 | 19°13 | 29°33 | 17°22 | 7°26 | 8°34 | 7° 3 | 21°40 | S 18 |
| S 19 | 11 49 20 | 28°56'11 | 23°31 | 16°34 | 13°13 | 13°53 | 24°50 | 6°37 | 19°14 | 29°33 | 17°21 | 7°18 | 8°31 | 7°10 | 21°44 | S 19 |
| M20 | 11 53 16 | 29°56'20 | 7♉19 | 17°51 | 14°20 | 14°28 | 24°45 | 6°32 | 19°16 | 29°32 | 17°19 | 7°11 | 8°28 | 7°17 | 21°48 | M20 |
| T 21 | 11 57 13 | 0♈56'27 | 20°40 | 19° 1 | 15°26 | 15° 4 | 24°40 | 6°28 | 19°17 | 29°31 | 17°18 | 7° 8 | 8°25 | 7°24 | 21°52 | T 21 |
| W22 | 12 1 10 | 1°56'32 | 3♊35 | 20° 5 | 16°33 | 15°40 | 24°35 | 6°23 | 19°18 | 29°31 | 17°16 | 7°D 7 | 8°21 | 7°30 | 21°56 | W22 |
| T 23 | 12 5 6 | 2°56'35 | 16° 7 | 21° 2 | 17°39 | 16°15 | 24°30 | 6°18 | 19°19 | 29°30 | 17°15 | 7° 7 | 8°18 | 7°37 | 22° 0 | T 23 |
| F 24 | 12 9 3 | 3°56'36 | 28°21 | 21°50 | 18°45 | 16°51 | 24°25 | 6°13 | 19°21 | 29°29 | 17°13 | 7°R 7 | 8°15 | 7°44 | 22° 4 | F 24 |
| S 25 | 12 12 59 | 4°56'34 | 10♋21 | 22°31 | 19°51 | 17°27 | 24°20 | 6° 9 | 19°22 | 29°28 | 17°12 | 7° 7 | 8°12 | 7°50 | 22° 7 | S 25 |
| S 26 | 12 16 56 | 5°56'31 | 22°14 | 23° 3 | 20°57 | 18° 2 | 24°16 | 6° 4 | 19°24 | 29°28 | 17°11 | 7° 6 | 8° 9 | 7°57 | 22°11 | S 26 |
| M27 | 12 20 52 | 6°56'26 | 4♌ 4 | 23°27 | 22° 2 | 18°38 | 24°12 | 5°59 | 19°25 | 29°27 | 17° 9 | 7° 2 | 8° 6 | 8° 4 | 22°15 | M27 |
| T 28 | 12 24 49 | 7°56'18 | 15°56 | 23°42 | 23° 8 | 19°14 | 24° 7 | 5°54 | 19°27 | 29°26 | 17° 8 | 6°56 | 8° 2 | 8°10 | 22°19 | T 28 |
| W29 | 12 28 45 | 8°56'08 | 27°53 | 23°R48 | 24°12 | 19°50 | 24° 4 | 5°49 | 19°28 | 29°25 | 17° 6 | 6°47 | 7°59 | 8°17 | 22°23 | W29 |
| T 30 | 12 32 42 | 9°55'56 | 10♍ 0 | 23°46 | 25°17 | 20°26 | 24° 0 | 5°45 | 19°30 | 29°24 | 17° 5 | 6°37 | 7°56 | 8°24 | 22°27 | T 30 |
| F 31 | 12 36 39 | 10♈55'42 | 22♍17 | 23♈35 | 26♉21 | 21♊ 2 | 23♌56 | 5♎40 | 19♊32 | 29♏23 | 17♍ 4 | 6♊27 | 7♊53 | 8♌31 | 22♓30 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7s28 | 19n21 | 4n41 | 7s24 | 1s45 | 8n52 | 0n 8 | 22n14 | 1n32 | 13n25 | 0n58 | 0s55 | 2n25 | 22n54 | 0n 2 | 18s19 | 1n41 | 16n17 | 12n30 | 21n47 | 21n45 | 23n 0 | 0n18 | 4n23 |
| T 2 | 7 5 | 15 30 | 4 57 | 6 36 | 1 39 | 9 22 | 0 12 | 22 20 | 1 32 | 13 28 | 0 58 | 0 53 | 2 25 | 22 54 | 0 2 | 18 19 | 1 41 | 16 17 | 12 30 | 21 45 | 21 45 | 22 59 | 0 20 | 4 22 |
| F 3 | 6 42 | 10 59 | 4 58 | 5 48 | 1 34 | 9 51 | 0 16 | 22 27 | 1 32 | 13 30 | 0 58 | 0 51 | 2 25 | 22 54 | 0 2 | 18 19 | 1 41 | 16 18 | 12 30 | 21 42 | 21 44 | 22 58 | 0 21 | 4 22 |
| S 4 | 6 19 | 6 0 | 4 46 | 4 59 | 1 28 | 10 20 | 0 20 | 22 33 | 1 32 | 13 33 | 0 58 | 0 49 | 2 25 | 22 54 | 0 2 | 18 19 | 1 41 | 16 19 | 12 30 | 21 40 | 21 44 | 22 57 | 0 23 | 4 22 |
| S 5 | 5 56 | 0 42 | 4 21 | 4 9 | 1 21 | 10 49 | 0 25 | 22 40 | 1 33 | 13 35 | 0 58 | 0 48 | 2 26 | 22 54 | 0 2 | 18 19 | 1 41 | 16 19 | 12 30 | 21 38 | 21 44 | 22 56 | 0 24 | 4 22 |
| M 6 | 5 33 | 4s42 | 3 42 | 3 18 | 1 13 | 11 18 | 0 29 | 22 46 | 1 33 | 13 38 | 0 58 | 0 46 | 2 26 | 22 55 | 0 2 | 18 19 | 1 41 | 16 20 | 12 30 | 21 37 | 21 43 | 22 54 | 0 25 | 4 22 |
| T 7 | 5 9 | 9 59 | 2 52 | 2 27 | 1 5 | 11 47 | 0 33 | 22 52 | 1 33 | 13 40 | 0 58 | 0 44 | 2 26 | 22 55 | 0 2 | 18 19 | 1 41 | 16 21 | 12 30 | 21 36 | 21 43 | 22 53 | 0 27 | 4 22 |
| W 8 | 4 46 | 14 56 | 1 52 | 1 35 | 0 57 | 12 15 | 0 37 | 22 58 | 1 33 | 13 42 | 0 58 | 0 42 | 2 26 | 22 55 | 0 2 | 18 19 | 1 41 | 16 21 | 12 30 | 21 35 | 21 42 | 22 52 | 0 28 | 4 22 |
| T 9 | 4 23 | 19 17 | 0 45 | 0 43 | 0 47 | 12 43 | 0 42 | 23 4 | 1 33 | 13 45 | 0 58 | 0 40 | 2 26 | 22 55 | 0 2 | 18 19 | 1 42 | 16 22 | 12 30 | 21 35 | 21 42 | 22 51 | 0 30 | 4 22 |
| F 10 | 3 59 | 22 43 | 0s26 | 0n10 | 0 37 | 13 11 | 0 46 | 23 9 | 1 33 | 13 47 | 0 58 | 0 39 | 2 26 | 22 55 | 0 2 | 18 19 | 1 42 | 16 23 | 12 30 | 21 35 | 21 41 | 22 50 | 0 31 | 4 22 |
| S 11 | 3 35 | 24 54 | 1 37 | 1 3 | 0 27 | 13 38 | 0 51 | 23 15 | 1 33 | 13 49 | 0 58 | 0 37 | 2 26 | 22 55 | 0 2 | 18 18 | 1 42 | 16 23 | 12 30 | 21 35 | 21 41 | 22 48 | 0 33 | 4 22 |
| S 12 | 3 12 | 25 35 | 2 44 | 1 55 | 0 16 | 14 5 | 0 55 | 23 20 | 1 33 | 13 51 | 0 58 | 0 35 | 2 27 | 22 55 | 0 2 | 18 18 | 1 42 | 16 24 | 12 31 | 21 34 | 21 40 | 22 47 | 0 34 | 4 22 |
| M13 | 2 48 | 24 35 | 3 42 | 2 47 | 0 4 | 14 32 | 1 0 | 23 26 | 1 33 | 13 54 | 0 58 | 0 33 | 2 27 | 22 55 | 0 2 | 18 18 | 1 42 | 16 25 | 12 31 | 21 34 | 21 40 | 22 46 | 0 36 | 4 22 |
| T 14 | 2 24 | 21 54 | 4 27 | 3 39 | 0n 8 | 14 59 | 1 4 | 23 31 | 1 34 | 13 56 | 0 58 | 0 31 | 2 27 | 22 55 | 0 2 | 18 18 | 1 42 | 16 25 | 12 31 | 21 33 | 21 39 | 22 45 | 0 37 | 4 22 |
| W15 | 2 0 | 17 45 | 4 54 | 4 29 | 0 21 | 15 25 | 1 9 | 23 36 | 1 34 | 13 58 | 0 58 | 0 29 | 2 27 | 22 55 | 0 2 | 18 18 | 1 42 | 16 26 | 12 31 | 21 32 | 21 39 | 22 43 | 0 39 | 4 21 |
| T 16 | 1 37 | 12 29 | 5 1 | 5 19 | 0 34 | 15 51 | 1 13 | 23 41 | 1 34 | 14 0 | 0 58 | 0 27 | 2 27 | 22 55 | 0 2 | 18 18 | 1 42 | 16 27 | 12 31 | 21 30 | 21 38 | 22 42 | 0 40 | 4 21 |
| F 17 | 1 13 | 6 31 | 4 48 | 6 7 | 0 47 | 16 16 | 1 18 | 23 45 | 1 34 | 14 2 | 0 58 | 0 25 | 2 27 | 22 55 | 0 2 | 18 18 | 1 42 | 16 27 | 12 31 | 21 28 | 21 38 | 22 41 | 0 42 | 4 21 |
| S 18 | 0 49 | 0 17 | 4 17 | 6 53 | 1 1 | 16 41 | 1 22 | 23 50 | 1 34 | 14 4 | 0 58 | 0 23 | 2 27 | 22 55 | 0 2 | 18 17 | 1 42 | 16 28 | 12 31 | 21 26 | 21 37 | 22 40 | 0 43 | 4 21 |
| S 19 | 0 25 | 5n50 | 3 30 | 7 37 | 1 14 | 17 6 | 1 27 | 23 54 | 1 34 | 14 5 | 0 58 | 0 21 | 2 27 | 22 55 | 0 2 | 18 17 | 1 42 | 16 28 | 12 31 | 21 25 | 21 37 | 22 38 | 0 45 | 4 21 |
| M20 | 0 1 | 11 30 | 2 31 | 8 19 | 1 28 | 17 31 | 1 31 | 23 58 | 1 34 | 14 7 | 0 58 | 0 20 | 2 27 | 22 56 | 0 2 | 18 17 | 1 42 | 16 29 | 12 31 | 21 24 | 21 36 | 22 37 | 0 46 | 4 21 |
| T 21 | 0n22 | 16 26 | 1 26 | 8 59 | 1 42 | 17 55 | 1 36 | 24 2 | 1 34 | 14 9 | 0 58 | 0 18 | 2 27 | 22 56 | 0 2 | 18 17 | 1 42 | 16 30 | 12 31 | 21 23 | 21 36 | 22 36 | 0 48 | 4 21 |
| W22 | 0 46 | 20 27 | 0 19 | 9 35 | 1 55 | 18 18 | 1 40 | 24 6 | 1 34 | 14 11 | 0 58 | 0 16 | 2 28 | 22 56 | 0 2 | 18 17 | 1 42 | 16 30 | 12 31 | 21 23 | 21 35 | 22 34 | 0 49 | 4 21 |
| T 23 | 1 10 | 23 24 | 0n48 | 10 9 | 2 8 | 18 42 | 1 45 | 24 10 | 1 34 | 14 12 | 0 58 | 0 14 | 2 28 | 22 56 | 0 3 | 18 17 | 1 42 | 16 31 | 12 31 | 21 23 | 21 35 | 22 33 | 0 51 | 4 21 |
| F 24 | 1 34 | 25 9 | 1 51 | 10 38 | 2 20 | 19 4 | 1 50 | 24 14 | 1 34 | 14 14 | 0 58 | 0 12 | 2 28 | 22 56 | 0 3 | 18 16 | 1 42 | 16 31 | 12 31 | 21 23 | 21 34 | 22 32 | 0 52 | 4 21 |
| S 25 | 1 57 | 25 42 | 2 48 | 11 5 | 2 32 | 19 27 | 1 54 | 24 17 | 1 34 | 14 15 | 0 58 | 0 10 | 2 28 | 22 56 | 0 3 | 18 16 | 1 42 | 16 32 | 12 31 | 21 23 | 21 34 | 22 30 | 0 54 | 4 21 |
| S 26 | 2 21 | 25 3 | 3 37 | 11 27 | 2 43 | 19 49 | 1 59 | 24 21 | 1 34 | 14 17 | 0 58 | 0 8 | 2 28 | 22 56 | 0 3 | 18 16 | 1 42 | 16 32 | 12 30 | 21 23 | 21 33 | 22 29 | 0 55 | 4 21 |
| M27 | 2 44 | 23 17 | 4 16 | 11 45 | 2 54 | 20 10 | 2 3 | 24 24 | 1 34 | 14 18 | 0 58 | 0 6 | 2 28 | 22 56 | 0 3 | 18 16 | 1 42 | 16 33 | 12 30 | 21 22 | 21 33 | 22 28 | 0 57 | 4 21 |
| T 28 | 3 8 | 20 30 | 4 44 | 11 59 | 3 3 | 20 31 | 2 8 | 24 27 | 1 34 | 14 19 | 0 58 | 0 4 | 2 28 | 22 57 | 0 3 | 18 15 | 1 42 | 16 33 | 12 30 | 21 21 | 21 32 | 22 26 | 0 58 | 4 21 |
| W29 | 3 31 | 16 51 | 5 1 | 12 9 | 3 10 | 20 52 | 2 12 | 24 29 | 1 34 | 14 21 | 0 58 | 0 2 | 2 28 | 22 57 | 0 3 | 18 15 | 1 43 | 16 34 | 12 30 | 21 20 | 21 32 | 22 25 | 1 0 | 4 21 |
| T 30 | 3 55 | 12 28 | 5 4 | 12 14 | 3 17 | 21 12 | 2 17 | 24 32 | 1 34 | 14 22 | 0 58 | 0 0 | 2 28 | 22 57 | 0 3 | 18 15 | 1 43 | 16 34 | 12 30 | 21 18 | 21 31 | 22 24 | 1 1 | 4 21 |
| F 31 | 4n18 | 7n32 | 4n53 | 12n14 | 3n22 | 21n32 | 2n21 | 24n35 | 1n34 | 14n23 | 0n58 | 0n 2 | 2n28 | 22n57 | 0n 3 | 18s15 | 1n43 | 16n35 | 12n30 | 21n16 | 21n31 | 22n22 | 1n 3 | 4n21 |

Julian Day Number = 2799315.5, Delta T = 49m48s
Ecliptic obliquity = 23°19'01, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°04'06, Lahiri = 37°11'06


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# ASTRODIENST EPHEMERIS for the year 2952
# geocentric

## APRIL 2952 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 40 35 | 11♈55'26 | 4♎46 | 23°R17 | 27♉25 | 21♊38 | 23°R53 | 5°R35 | 19♊34 | 29°R22 | 17°R 2 | 6°R16 | 7♊50 | 8♌37 | 22♓34 | S 1 |
| S 2 | 12 44 32 | 12°55'08 | 17°28 | 22♈51 | 28°29 | 22°14 | 23♌50 | 5♎31 | 19°35 | 29♏21 | 17♍ 1 | 6♊ 7 | 7°47 | 8°44 | 22°38 | S 2 |
| M 3 | 12 48 28 | 13°54'49 | 0♏23 | 22°18 | 29°32 | 22°50 | 23°47 | 5°26 | 19°37 | 29°20 | 16°59 | 6° 0 | 7°43 | 8°51 | 22°42 | M 3 |
| T 4 | 12 52 25 | 14°54'27 | 13°28 | 21°39 | 0♊35 | 23°26 | 23°44 | 5°21 | 19°39 | 29°19 | 16°58 | 5°55 | 7°40 | 8°57 | 22°45 | T 4 |
| W 5 | 12 56 21 | 15°54'03 | 26°46 | 20°56 | 1°38 | 24° 2 | 23°41 | 5°16 | 19°41 | 29°18 | 16°57 | 5°53 | 7°37 | 9° 4 | 22°49 | W 5 |
| T 6 | 13 0 18 | 16°53'38 | 10♐14 | 20° 8 | 2°40 | 24°38 | 23°39 | 5°12 | 19°43 | 29°17 | 16°56 | 5°D53 | 7°34 | 9°11 | 22°53 | T 6 |
| F 7 | 13 4 14 | 17°53'12 | 23°53 | 19°17 | 3°42 | 25°14 | 23°36 | 5° 7 | 19°45 | 29°16 | 16°54 | 5°54 | 7°31 | 9°17 | 22°56 | F 7 |
| S 8 | 13 8 11 | 18°52'43 | 7♑43 | 18°25 | 4°44 | 25°50 | 23°34 | 5° 3 | 19°47 | 29°15 | 16°53 | 5°55 | 7°27 | 9°24 | 23° 0 | S 8 |
| S 9 | 13 12 8 | 19°52'13 | 21°45 | 17°32 | 5°46 | 26°26 | 23°32 | 4°58 | 19°49 | 29°14 | 16°52 | 5°R55 | 7°24 | 9°31 | 23° 4 | S 9 |
| M10 | 13 16 4 | 20°51'41 | 5♒56 | 16°39 | 6°46 | 27° 3 | 23°31 | 4°54 | 19°51 | 29°13 | 16°51 | 5°54 | 7°21 | 9°38 | 23° 7 | M10 |
| T 11 | 13 20 1 | 21°51'07 | 20°17 | 15°48 | 7°47 | 27°39 | 23°29 | 4°49 | 19°53 | 29°11 | 16°49 | 5°51 | 7°18 | 9°44 | 23°11 | T 11 |
| W12 | 13 23 57 | 22°50'32 | 4♓43 | 14°59 | 8°47 | 28°15 | 23°28 | 4°45 | 19°56 | 29°10 | 16°48 | 5°46 | 7°15 | 9°51 | 23°14 | W12 |
| T 13 | 13 27 54 | 23°49'55 | 19° 9 | 14°14 | 9°47 | 28°51 | 23°27 | 4°40 | 19°58 | 29° 9 | 16°47 | 5°40 | 7°12 | 9°58 | 23°18 | T 13 |
| F 14 | 13 31 50 | 24°49'16 | 3♈31 | 13°32 | 10°46 | 29°28 | 23°26 | 4°36 | 20° 0 | 29° 8 | 16°46 | 5°34 | 7° 8 | 10° 4 | 23°21 | F 14 |
| S 15 | 13 35 47 | 25°48'35 | 17°43 | 12°55 | 11°45 | 0♋ 4 | 23°25 | 4°32 | 20° 3 | 29° 6 | 16°45 | 5°27 | 7° 5 | 10°11 | 23°25 | S 15 |
| S 16 | 13 39 43 | 26°47'52 | 1♉39 | 12°23 | 12°44 | 0°40 | 23°24 | 4°28 | 20° 5 | 29° 5 | 16°44 | 5°22 | 7° 2 | 10°18 | 23°28 | S 16 |
| M17 | 13 43 40 | 27°47'07 | 15°15 | 11°56 | 13°42 | 1°17 | 23°24 | 4°23 | 20° 7 | 29° 4 | 16°43 | 5°19 | 6°59 | 10°25 | 23°32 | M17 |
| T 18 | 13 47 36 | 28°46'20 | 28°29 | 11°34 | 14°39 | 1°53 | 23°D24 | 4°19 | 20°10 | 29° 2 | 16°41 | 5°17 | 6°56 | 10°31 | 23°35 | T 18 |
| W19 | 13 51 33 | 29°45'32 | 11♊22 | 11°18 | 15°36 | 2°30 | 23°24 | 4°15 | 20°12 | 29° 1 | 16°40 | 5°D17 | 6°53 | 10°38 | 23°38 | W19 |
| T 20 | 13 55 30 | 0♉44'40 | 23°55 | 11° 8 | 16°33 | 3° 6 | 23°24 | 4°11 | 20°15 | 29° 0 | 16°39 | 5°18 | 6°49 | 10°45 | 23°42 | T 20 |
| F 21 | 13 59 26 | 1°43'47 | 6♋11 | 11°D 3 | 17°29 | 3°43 | 23°24 | 4° 7 | 20°17 | 28°58 | 16°38 | 5°20 | 6°46 | 10°51 | 23°45 | F 21 |
| S 22 | 14 3 23 | 2°42'52 | 18°14 | 11° 4 | 18°24 | 4°19 | 23°25 | 4° 3 | 20°20 | 28°57 | 16°37 | 5°21 | 6°43 | 10°58 | 23°48 | S 22 |
| S 23 | 14 7 19 | 3°41'54 | 0♌ 9 | 11°10 | 19°19 | 4°56 | 23°26 | 3°59 | 20°23 | 28°55 | 16°36 | 5°R22 | 6°40 | 11° 5 | 23°51 | S 23 |
| M24 | 14 11 16 | 4°40'54 | 12° 1 | 11°21 | 20°13 | 5°32 | 23°27 | 3°56 | 20°25 | 28°54 | 16°36 | 5°22 | 6°37 | 11°11 | 23°55 | M24 |
| T 25 | 14 15 12 | 5°39'51 | 23°55 | 11°37 | 21° 7 | 6° 9 | 23°28 | 3°52 | 20°28 | 28°53 | 16°35 | 5°20 | 6°33 | 11°18 | 23°58 | T 25 |
| W26 | 14 19 9 | 6°38'47 | 5♍54 | 11°58 | 21°59 | 6°45 | 23°29 | 3°48 | 20°31 | 28°51 | 16°34 | 5°18 | 6°30 | 11°25 | 24° 1 | W26 |
| T 27 | 14 23 5 | 7°37'40 | 18° 4 | 12°24 | 22°52 | 7°22 | 23°31 | 3°45 | 20°33 | 28°50 | 16°33 | 5°14 | 6°27 | 11°32 | 24° 4 | T 27 |
| F 28 | 14 27 2 | 8°36'31 | 0♎28 | 12°54 | 23°43 | 7°58 | 23°32 | 3°41 | 20°36 | 28°48 | 16°32 | 5°10 | 6°24 | 11°38 | 24° 7 | F 28 |
| S 29 | 14 30 59 | 9°35'20 | 13° 7 | 13°28 | 24°34 | 8°35 | 23°34 | 3°38 | 20°39 | 28°47 | 16°31 | 5° 5 | 6°21 | 11°45 | 24°10 | S 29 |
| S 30 | 14 34 55 | 10♉34'06 | 26♎ 3 | 14♈ 6 | 25♊24 | 9♋11 | 23♌36 | 3♎35 | 20♊42 | 28♏45 | 16♍30 | 5♊ 1 | 6♊18 | 11♌52 | 24♓13 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n41 | 2n13 | 4n28 | 12n10 | 3n25 | 21n51 | 2n26 | 24n37 | 1n34 | 14n24 | 0n58 | 0n 3 | 2n28 | 22n57 | 0n 3 | 18s15 | 1n43 | 16n35 | 12n30 | 21n15 | 21n30 | 22n21 | 1n 4 | 4n21 |
| S 2 | 5 5 | 3s17 | 3 50 | 12 2 | 3 27 | 22 10 | 2 30 | 24 39 | 1 34 | 14 25 | 0 58 | 0 5 | 2 28 | 22 57 | 0 3 | 18 14 | 1 43 | 16 36 | 12 30 | 21 13 | 21 30 | 22 20 | 1 6 | 4 21 |
| M 3 | 5 28 | 8 45 | 2 59 | 11 50 | 3 26 | 22 28 | 2 35 | 24 41 | 1 34 | 14 26 | 0 58 | 0 7 | 2 28 | 22 57 | 0 3 | 18 14 | 1 43 | 16 36 | 12 30 | 21 12 | 21 29 | 22 18 | 1 7 | 4 21 |
| T 4 | 5 51 | 13 56 | 1 57 | 11 33 | 3 24 | 22 46 | 2 39 | 24 43 | 1 34 | 14 27 | 0 58 | 0 9 | 2 28 | 22 58 | 0 3 | 18 14 | 1 43 | 16 37 | 12 30 | 21 11 | 21 29 | 22 17 | 1 9 | 4 21 |
| W 5 | 6 14 | 18 32 | 0 49 | 11 13 | 3 20 | 23 3 | 2 43 | 24 45 | 1 34 | 14 28 | 0 57 | 0 11 | 2 28 | 22 58 | 0 3 | 18 13 | 1 43 | 16 37 | 12 30 | 21 11 | 21 28 | 22 15 | 1 10 | 4 21 |
| T 6 | 6 36 | 22 15 | 0s23 | 10 50 | 3 14 | 23 20 | 2 48 | 24 46 | 1 34 | 14 28 | 0 57 | 0 13 | 2 28 | 22 58 | 0 3 | 18 13 | 1 43 | 16 37 | 12 30 | 21 11 | 21 28 | 22 14 | 1 11 | 4 21 |
| F 7 | 6 59 | 24 46 | 1 36 | 10 24 | 3 7 | 23 36 | 2 52 | 24 47 | 1 34 | 14 29 | 0 57 | 0 14 | 2 28 | 22 58 | 0 3 | 18 13 | 1 43 | 16 38 | 12 29 | 21 11 | 21 27 | 22 13 | 1 13 | 4 21 |
| S 8 | 7 21 | 25 48 | 2 43 | 9 55 | 2 57 | 23 51 | 2 56 | 24 49 | 1 34 | 14 30 | 0 57 | 0 16 | 2 28 | 22 58 | 0 3 | 18 13 | 1 43 | 16 38 | 12 29 | 21 11 | 21 27 | 22 11 | 1 14 | 4 21 |
| S 9 | 7 44 | 25 13 | 3 42 | 9 25 | 2 47 | 24 7 | 3 0 | 24 50 | 1 33 | 14 30 | 0 57 | 0 18 | 2 28 | 22 58 | 0 3 | 18 12 | 1 43 | 16 38 | 12 29 | 21 11 | 21 26 | 22 10 | 1 16 | 4 21 |
| M10 | 8 6 | 23 1 | 4 28 | 8 53 | 2 34 | 24 21 | 3 4 | 24 50 | 1 33 | 14 31 | 0 57 | 0 20 | 2 28 | 22 59 | 0 3 | 18 12 | 1 43 | 16 39 | 12 29 | 21 11 | 21 26 | 22 8 | 1 17 | 4 21 |
| T 11 | 8 28 | 19 21 | 4 57 | 8 21 | 2 21 | 24 35 | 3 8 | 24 51 | 1 33 | 14 31 | 0 57 | 0 21 | 2 28 | 22 59 | 0 3 | 18 12 | 1 43 | 16 39 | 12 29 | 21 10 | 21 25 | 22 7 | 1 19 | 4 21 |
| W12 | 8 50 | 14 31 | 5 9 | 7 49 | 2 7 | 24 49 | 3 12 | 24 52 | 1 33 | 14 32 | 0 57 | 0 23 | 2 28 | 22 59 | 0 3 | 18 12 | 1 43 | 16 39 | 12 29 | 21 10 | 21 25 | 22 6 | 1 20 | 4 22 |
| T 13 | 9 12 | 8 53 | 5 0 | 7 18 | 1 51 | 25 2 | 3 16 | 24 52 | 1 33 | 14 32 | 0 57 | 0 25 | 2 28 | 22 59 | 0 3 | 18 11 | 1 43 | 16 40 | 12 29 | 21 8 | 21 24 | 22 4 | 1 22 | 4 22 |
| F 14 | 9 34 | 2 47 | 4 33 | 6 47 | 1 36 | 25 14 | 3 20 | 24 52 | 1 33 | 14 32 | 0 57 | 0 27 | 2 28 | 22 59 | 0 3 | 18 11 | 1 43 | 16 40 | 12 28 | 21 7 | 21 23 | 22 3 | 1 23 | 4 22 |
| S 15 | 9 55 | 3n23 | 3 49 | 6 18 | 1 20 | 25 26 | 3 23 | 24 52 | 1 33 | 14 32 | 0 57 | 0 28 | 2 28 | 22 59 | 0 3 | 18 11 | 1 43 | 16 40 | 12 28 | 21 6 | 21 23 | 22 1 | 1 24 | 4 22 |
| S 16 | 10 17 | 9 17 | 2 52 | 5 51 | 1 4 | 25 38 | 3 27 | 24 52 | 1 33 | 14 32 | 0 57 | 0 30 | 2 28 | 23 0 | 0 3 | 18 10 | 1 43 | 16 41 | 12 28 | 21 5 | 21 22 | 22 0 | 1 26 | 4 22 |
| M17 | 10 38 | 14 37 | 1 47 | 5 25 | 0 47 | 25 49 | 3 31 | 24 51 | 1 33 | 14 32 | 0 57 | 0 31 | 2 28 | 23 0 | 0 3 | 18 10 | 1 43 | 16 41 | 12 28 | 21 5 | 21 22 | 21 58 | 1 27 | 4 22 |
| T 18 | 10 59 | 19 7 | 0 37 | 5 2 | 0 31 | 25 59 | 3 34 | 24 51 | 1 33 | 14 32 | 0 56 | 0 33 | 2 27 | 23 0 | 0 3 | 18 10 | 1 43 | 16 41 | 12 28 | 21 4 | 21 21 | 21 57 | 1 29 | 4 22 |
| W19 | 11 20 | 22 35 | 0n33 | 4 41 | 0 16 | 26 9 | 3 37 | 24 50 | 1 32 | 14 32 | 0 56 | 0 34 | 2 27 | 23 0 | 0 3 | 18 9 | 1 43 | 16 41 | 12 28 | 21 4 | 21 21 | 21 55 | 1 30 | 4 22 |
| T 20 | 11 40 | 24 50 | 1 40 | 4 23 | 0 0 | 26 18 | 3 41 | 24 49 | 1 32 | 14 32 | 0 56 | 0 36 | 2 27 | 23 0 | 0 3 | 18 9 | 1 43 | 16 42 | 12 27 | 21 5 | 21 20 | 21 54 | 1 31 | 4 22 |
| F 21 | 12 1 | 25 51 | 2 41 | 4 7 | 0s15 | 26 27 | 3 44 | 24 48 | 1 32 | 14 32 | 0 56 | 0 37 | 2 27 | 23 1 | 0 3 | 18 9 | 1 43 | 16 42 | 12 27 | 21 5 | 21 20 | 21 52 | 1 33 | 4 22 |
| S 22 | 12 21 | 25 36 | 3 33 | 3 54 | 0 29 | 26 35 | 3 47 | 24 47 | 1 32 | 14 32 | 0 56 | 0 39 | 2 27 | 23 1 | 0 3 | 18 8 | 1 43 | 16 42 | 12 27 | 21 5 | 21 19 | 21 51 | 1 34 | 4 22 |
| S 23 | 12 41 | 24 11 | 4 16 | 3 44 | 0 43 | 26 43 | 3 50 | 24 45 | 1 32 | 14 31 | 0 56 | 0 40 | 2 27 | 23 1 | 0 3 | 18 8 | 1 43 | 16 42 | 12 27 | 21 5 | 21 19 | 21 49 | 1 36 | 4 22 |
| M24 | 13 1 | 21 42 | 4 47 | 3 36 | 0 56 | 26 50 | 3 53 | 24 44 | 1 32 | 14 31 | 0 56 | 0 42 | 2 27 | 23 1 | 0 3 | 18 8 | 1 43 | 16 42 | 12 27 | 21 5 | 21 18 | 21 48 | 1 37 | 4 22 |
| T 25 | 13 21 | 18 18 | 5 7 | 3 31 | 1 9 | 26 56 | 3 56 | 24 42 | 1 32 | 14 31 | 0 56 | 0 43 | 2 27 | 23 1 | 0 3 | 18 7 | 1 43 | 16 43 | 12 26 | 21 5 | 21 18 | 21 46 | 1 38 | 4 23 |
| W26 | 13 40 | 14 9 | 5 13 | 3 28 | 1 21 | 27 2 | 3 58 | 24 40 | 1 32 | 14 30 | 0 56 | 0 44 | 2 27 | 23 2 | 0 3 | 18 7 | 1 43 | 16 43 | 12 26 | 21 4 | 21 17 | 21 45 | 1 39 | 4 23 |
| T 27 | 13 59 | 9 22 | 5 5 | 3 28 | 1 32 | 27 8 | 4 1 | 24 38 | 1 31 | 14 30 | 0 56 | 0 46 | 2 27 | 23 2 | 0 3 | 18 7 | 1 44 | 16 43 | 12 26 | 21 4 | 21 17 | 21 43 | 1 41 | 4 23 |
| F 28 | 14 18 | 4 9 | 4 43 | 3 30 | 1 43 | 27 13 | 4 3 | 24 36 | 1 31 | 14 29 | 0 56 | 0 47 | 2 26 | 23 2 | 0 3 | 18 6 | 1 44 | 16 43 | 12 26 | 21 3 | 21 16 | 21 42 | 1 42 | 4 23 |
| S 29 | 14 37 | 1s21 | 4 7 | 3 34 | 1 52 | 27 18 | 4 5 | 24 33 | 1 31 | 14 28 | 0 56 | 0 48 | 2 26 | 23 2 | 0 3 | 18 6 | 1 44 | 16 43 | 12 25 | 21 2 | 21 15 | 21 40 | 1 43 | 4 23 |
| S 30 | 14n55 | 6s56 | 3n18 | 3n40 | 2s 1 | 27n22 | 4n 8 | 24n31 | 1n31 | 14n27 | 0n55 | 0n49 | 2n26 | 23n 2 | 0n 3 | 18s 6 | 1n44 | 16n43 | 12n25 | 21n 2 | 21n15 | 21n39 | 1n45 | 4n23 |

Julian Day Number = 2799346.5, Delta T = 49m49s
Ecliptic obliquity = 23°19'01, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°04'10, Lahiri = 37°11'10


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# ASTRODIENST EPHEMERIS for the year 2952
# geocentric

## MAY 2952 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 38 52 | 11♉32'51 | 9♏16 | 14♈48 | 26♊14 | 9♋48 | 23♌38 | 3°R31 | 20♊45 | 28°R44 | 16°R30 | 4°R59 | 6♊14 | 11♌58 | 24♓16 | M 1 |
| T 2 | 14 42 48 | 12°31'34 | 22°45 | 15°33 | 27° 2 | 10°25 | 23°41 | 3♎28 | 20°48 | 28♏42 | 16♍29 | 4♊57 | 6°11 | 12° 5 | 24°19 | T 2 |
| W 3 | 14 46 45 | 13°30'15 | 6♐28 | 16°22 | 27°50 | 11° 1 | 23°43 | 3°25 | 20°51 | 28°40 | 16°28 | 4°D57 | 6° 8 | 12°12 | 24°22 | W 3 |
| T 4 | 14 50 41 | 14°28'55 | 20°22 | 17°15 | 28°37 | 11°38 | 23°46 | 3°22 | 20°54 | 28°39 | 16°28 | 4°57 | 6° 5 | 12°19 | 24°25 | T 4 |
| F 5 | 14 54 38 | 15°27'32 | 4♑24 | 18°10 | 29°23 | 12°14 | 23°49 | 3°19 | 20°57 | 28°37 | 16°27 | 4°58 | 6° 2 | 12°25 | 24°27 | F 5 |
| S 6 | 14 58 34 | 16°26'08 | 18°33 | 19° 8 | 0♌ 8 | 12°51 | 23°52 | 3°16 | 21° 0 | 28°36 | 16°26 | 5° 0 | 5°58 | 12°32 | 24°30 | S 6 |
| S 7 | 15 2 31 | 17°24'43 | 2♒45 | 20°10 | 0°52 | 13°28 | 23°56 | 3°14 | 21° 3 | 28°34 | 16°26 | 5° 1 | 5°55 | 12°39 | 24°33 | S 7 |
| M 8 | 15 6 28 | 18°23'16 | 16°58 | 21°14 | 1°35 | 14° 4 | 23°59 | 3°11 | 21° 6 | 28°33 | 16°25 | 5°R 1 | 5°52 | 12°45 | 24°36 | M 8 |
| T 9 | 15 10 24 | 19°21'47 | 1♓10 | 22°20 | 2°17 | 14°41 | 24° 3 | 3° 8 | 21° 9 | 28°31 | 16°25 | 5° 1 | 5°49 | 12°52 | 24°38 | T 9 |
| W10 | 15 14 21 | 20°20'17 | 15°19 | 23°29 | 2°58 | 15°18 | 24° 6 | 3° 6 | 21°12 | 28°29 | 16°24 | 5° 0 | 5°46 | 12°59 | 24°41 | W10 |
| T 11 | 15 18 17 | 21°18'45 | 29°21 | 24°41 | 3°38 | 15°55 | 24°10 | 3° 3 | 21°15 | 28°28 | 16°24 | 4°58 | 5°43 | 13° 6 | 24°43 | T 11 |
| F 12 | 15 22 14 | 22°17'11 | 13♈15 | 25°55 | 4°16 | 16°31 | 24°15 | 3° 1 | 21°18 | 28°26 | 16°23 | 4°57 | 5°39 | 13°12 | 24°46 | F 12 |
| S 13 | 15 26 10 | 23°15'36 | 26°58 | 27°11 | 4°54 | 17° 8 | 24°19 | 2°59 | 21°21 | 28°25 | 16°23 | 4°55 | 5°36 | 13°19 | 24°48 | S 13 |
| S 14 | 15 30 7 | 24°13'59 | 10♉27 | 28°30 | 5°30 | 17°45 | 24°23 | 2°57 | 21°25 | 28°23 | 16°22 | 4°54 | 5°33 | 13°26 | 24°51 | S 14 |
| M15 | 15 34 3 | 25°12'21 | 23°42 | 29°51 | 6° 5 | 18°22 | 24°28 | 2°55 | 21°28 | 28°21 | 16°22 | 4°53 | 5°30 | 13°32 | 24°53 | M15 |
| T 16 | 15 38 0 | 26°10'41 | 6♊40 | 1♋14 | 6°39 | 18°58 | 24°33 | 2°53 | 21°31 | 28°20 | 16°22 | 4°D53 | 5°27 | 13°39 | 24°55 | T 16 |
| W17 | 15 41 57 | 27° 8'59 | 19°22 | 2°39 | 7°11 | 19°35 | 24°38 | 2°51 | 21°34 | 28°18 | 16°21 | 4°53 | 5°24 | 13°46 | 24°58 | W17 |
| T 18 | 15 45 53 | 28° 7'15 | 1♌49 | 4° 6 | 7°42 | 20°12 | 24°43 | 2°49 | 21°38 | 28°16 | 16°21 | 4°54 | 5°20 | 13°53 | 25° 0 | T 18 |
| F 19 | 15 49 50 | 29° 5'30 | 14° 3 | 5°35 | 8°11 | 20°49 | 24°48 | 2°48 | 21°41 | 28°15 | 16°21 | 4°55 | 5°17 | 13°59 | 25° 2 | F 19 |
| S 20 | 15 53 46 | 0♊ 3'42 | 26° 6 | 7° 6 | 8°39 | 21°26 | 24°54 | 2°46 | 21°44 | 28°13 | 16°20 | 4°55 | 5°14 | 14° 6 | 25° 4 | S 20 |
| S 21 | 15 57 43 | 1° 1'53 | 8♌ 1 | 8°39 | 9° 5 | 22° 2 | 24°59 | 2°45 | 21°48 | 28°11 | 16°20 | 4°56 | 5°11 | 14°13 | 25° 6 | S 21 |
| M22 | 16 1 39 | 2° 0'01 | 19°54 | 10°14 | 9°30 | 22°39 | 25° 5 | 2°44 | 21°51 | 28°10 | 16°20 | 4°56 | 5° 8 | 14°19 | 25° 8 | M22 |
| T 23 | 16 5 36 | 2°58'08 | 1♍48 | 11°51 | 9°52 | 23°16 | 25°11 | 2°42 | 21°54 | 28° 8 | 16°20 | 4°R56 | 5° 4 | 14°26 | 25°10 | T 23 |
| W24 | 16 9 32 | 3°56'13 | 13°48 | 13°30 | 10°13 | 23°53 | 25°17 | 2°41 | 21°58 | 28° 7 | 16°20 | 4°56 | 5° 1 | 14°33 | 25°12 | W24 |
| T 25 | 16 13 29 | 4°54'16 | 25°58 | 15°11 | 10°32 | 24°30 | 25°23 | 2°40 | 22° 1 | 28° 5 | 16°20 | 4°D56 | 4°58 | 14°40 | 25°14 | T 25 |
| F 26 | 16 17 26 | 5°52'17 | 8♎23 | 16°54 | 10°49 | 25° 7 | 25°29 | 2°39 | 22° 4 | 28° 3 | 16°20 | 4°56 | 4°55 | 14°46 | 25°16 | F 26 |
| S 27 | 16 21 22 | 6°50'17 | 21° 6 | 18°39 | 11° 4 | 25°43 | 25°36 | 2°38 | 22° 8 | 28° 2 | 16°D20 | 4°56 | 4°52 | 14°53 | 25°18 | S 27 |
| S 28 | 16 25 19 | 7°48'14 | 4♏ 9 | 20°26 | 11°17 | 26°20 | 25°42 | 2°38 | 22°11 | 28° 0 | 16°20 | 4°56 | 4°49 | 15° 0 | 25°19 | S 28 |
| M29 | 16 29 15 | 8°46'10 | 17°35 | 22°14 | 11°28 | 26°57 | 25°49 | 2°37 | 22°15 | 27°59 | 16°20 | 4°57 | 4°45 | 15° 6 | 25°21 | M29 |
| T 30 | 16 33 12 | 9°44'05 | 1♐22 | 24° 5 | 11°37 | 27°34 | 25°56 | 2°37 | 22°18 | 27°57 | 16°20 | 4°R57 | 4°42 | 15°13 | 25°23 | T 30 |
| W31 | 16 37 8 | 10♊41'58 | 15♐28 | 25♑58 | 11♌44 | 28♌11 | 26♌ 3 | 2♎36 | 22♊22 | 27♏55 | 16♍20 | 4♊57 | 4♊39 | 15♌20 | 25♓24 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15n13 | 12s21 | 2n16 | 3n48 | 2s10 | 27n25 | 4n10 | 24n28 | 1n31 | 14n27 | 0n55 | 0n51 | 2n26 | 23n 3 | 0n 3 | 18s 5 | 1n44 | 16n43 | 12n25 | 21n 1 | 21n14 | 21n37 | 1n46 | 4n23 |
| T 2 | 15 31 | 17 17 | 1 7 | 3 59 | 2 17 | 27 28 | 4 11 | 24 25 | 1 31 | 14 26 | 0 55 | 0 52 | 2 26 | 23 3 | 0 3 | 18 5 | 1 44 | 16 43 | 12 25 | 21 1 | 21 14 | 21 36 | 1 47 | 4 23 |
| W 3 | 15 49 | 21 25 | 0s 8 | 4 11 | 2 24 | 27 31 | 4 13 | 24 22 | 1 30 | 14 25 | 0 55 | 0 53 | 2 26 | 23 3 | 0 3 | 18 5 | 1 44 | 16 43 | 12 24 | 21 1 | 21 13 | 21 34 | 1 48 | 4 23 |
| T 4 | 16 6 | 24 22 | 1 24 | 4 25 | 2 31 | 27 33 | 4 14 | 24 19 | 1 30 | 14 24 | 0 55 | 0 54 | 2 26 | 23 3 | 0 3 | 18 4 | 1 44 | 16 43 | 12 24 | 21 1 | 21 13 | 21 32 | 1 50 | 4 24 |
| F 5 | 16 23 | 25 50 | 2 35 | 4 41 | 2 36 | 27 35 | 4 16 | 24 15 | 1 30 | 14 23 | 0 55 | 0 55 | 2 26 | 23 3 | 0 3 | 18 4 | 1 44 | 16 43 | 12 24 | 21 1 | 21 12 | 21 31 | 1 51 | 4 24 |
| S 6 | 16 40 | 25 38 | 3 38 | 4 58 | 2 41 | 27 36 | 4 17 | 24 11 | 1 30 | 14 22 | 0 55 | 0 56 | 2 25 | 23 4 | 0 3 | 18 4 | 1 44 | 16 43 | 12 24 | 21 1 | 21 12 | 21 29 | 1 52 | 4 24 |
| S 7 | 16 57 | 23 47 | 4 27 | 5 17 | 2 45 | 27 37 | 4 18 | 24 8 | 1 30 | 14 20 | 0 55 | 0 57 | 2 25 | 23 4 | 0 3 | 18 3 | 1 44 | 16 43 | 12 23 | 21 1 | 21 11 | 21 28 | 1 53 | 4 24 |
| M 8 | 17 13 | 20 26 | 5 0 | 5 37 | 2 49 | 27 37 | 4 18 | 24 4 | 1 30 | 14 19 | 0 55 | 0 58 | 2 25 | 23 4 | 0 3 | 18 3 | 1 44 | 16 43 | 12 23 | 21 2 | 21 11 | 21 26 | 1 54 | 4 24 |
| T 9 | 17 29 | 15 54 | 5 15 | 5 59 | 2 52 | 27 37 | 4 19 | 24 0 | 1 29 | 14 18 | 0 55 | 0 59 | 2 25 | 23 4 | 0 3 | 18 2 | 1 44 | 16 43 | 12 23 | 21 1 | 21 10 | 21 24 | 1 56 | 4 24 |
| W10 | 17 44 | 10 32 | 5 11 | 6 22 | 2 54 | 27 36 | 4 19 | 23 55 | 1 29 | 14 17 | 0 55 | 0 59 | 2 25 | 23 4 | 0 3 | 18 2 | 1 44 | 16 43 | 12 23 | 21 1 | 21 9 | 21 23 | 1 57 | 4 24 |
| T 11 | 18 0 | 4 39 | 4 48 | 6 47 | 2 56 | 27 35 | 4 19 | 23 51 | 1 29 | 14 15 | 0 54 | 1 0 | 2 25 | 23 5 | 0 3 | 18 2 | 1 44 | 16 43 | 12 22 | 21 1 | 21 9 | 21 21 | 1 58 | 4 24 |
| F 12 | 18 15 | 1n24 | 4 8 | 7 12 | 2 57 | 27 34 | 4 19 | 23 46 | 1 29 | 14 14 | 0 54 | 1 1 | 2 24 | 23 5 | 0 3 | 18 1 | 1 44 | 16 43 | 12 22 | 21 1 | 21 8 | 21 20 | 1 59 | 4 25 |
| S 13 | 18 30 | 7 19 | 3 15 | 7 39 | 2 58 | 27 32 | 4 19 | 23 41 | 1 29 | 14 12 | 0 54 | 1 2 | 2 24 | 23 5 | 0 3 | 18 1 | 1 44 | 16 43 | 12 22 | 21 0 | 21 8 | 21 18 | 2 0 | 4 25 |
| S 14 | 18 44 | 12 48 | 2 11 | 8 7 | 2 58 | 27 30 | 4 18 | 23 36 | 1 28 | 14 11 | 0 54 | 1 2 | 2 24 | 23 5 | 0 3 | 18 1 | 1 44 | 16 43 | 12 22 | 21 0 | 21 7 | 21 16 | 2 1 | 4 25 |
| M15 | 18 58 | 17 36 | 1 2 | 8 36 | 2 57 | 27 28 | 4 17 | 23 31 | 1 28 | 14 9 | 0 54 | 1 3 | 2 24 | 23 6 | 0 3 | 18 0 | 1 44 | 16 43 | 12 21 | 21 0 | 21 7 | 21 15 | 2 2 | 4 25 |
| T 16 | 19 12 | 21 28 | 0n10 | 9 5 | 2 56 | 27 25 | 4 16 | 23 26 | 1 28 | 14 7 | 0 54 | 1 4 | 2 24 | 23 6 | 0 3 | 18 0 | 1 44 | 16 43 | 12 21 | 21 0 | 21 6 | 21 13 | 2 3 | 4 25 |
| W17 | 19 25 | 24 13 | 1 19 | 9 36 | 2 54 | 27 22 | 4 15 | 23 21 | 1 28 | 14 6 | 0 54 | 1 4 | 2 24 | 23 6 | 0 3 | 18 0 | 1 44 | 16 43 | 12 21 | 21 0 | 21 6 | 21 11 | 2 4 | 4 25 |
| T 18 | 19 38 | 25 42 | 2 24 | 10 7 | 2 52 | 27 18 | 4 13 | 23 15 | 1 28 | 14 4 | 0 54 | 1 5 | 2 23 | 23 6 | 0 3 | 17 59 | 1 44 | 16 43 | 12 20 | 21 0 | 21 5 | 21 10 | 2 5 | 4 26 |
| F 19 | 19 51 | 25 54 | 3 20 | 10 40 | 2 49 | 27 15 | 4 11 | 23 9 | 1 27 | 14 2 | 0 54 | 1 5 | 2 23 | 23 6 | 0 3 | 17 59 | 1 44 | 16 42 | 12 20 | 21 0 | 21 4 | 21 8 | 2 6 | 4 26 |
| S 20 | 20 4 | 24 52 | 4 7 | 11 12 | 2 45 | 27 11 | 4 9 | 23 3 | 1 27 | 14 0 | 0 54 | 1 6 | 2 23 | 23 7 | 0 3 | 17 59 | 1 44 | 16 42 | 12 20 | 21 0 | 21 4 | 21 6 | 2 7 | 4 26 |
| S 21 | 20 16 | 22 43 | 4 43 | 11 46 | 2 41 | 27 6 | 4 6 | 22 57 | 1 27 | 13 58 | 0 54 | 1 6 | 2 23 | 23 7 | 0 3 | 17 58 | 1 44 | 16 42 | 12 20 | 21 1 | 21 3 | 21 5 | 2 8 | 4 26 |
| M22 | 20 27 | 19 37 | 5 6 | 12 20 | 2 37 | 27 2 | 4 4 | 22 51 | 1 27 | 13 56 | 0 53 | 1 6 | 2 23 | 23 7 | 0 3 | 17 58 | 1 44 | 16 42 | 12 19 | 21 1 | 21 3 | 21 3 | 2 9 | 4 26 |
| T 23 | 20 39 | 15 42 | 5 16 | 12 54 | 2 32 | 26 57 | 4 0 | 22 45 | 1 27 | 13 54 | 0 53 | 1 7 | 2 23 | 23 7 | 0 3 | 17 57 | 1 44 | 16 42 | 12 19 | 21 1 | 21 2 | 21 1 | 2 10 | 4 26 |
| W24 | 20 50 | 11 10 | 5 13 | 13 29 | 2 26 | 26 51 | 3 57 | 22 38 | 1 26 | 13 52 | 0 53 | 1 7 | 2 22 | 23 7 | 0 3 | 17 57 | 1 44 | 16 41 | 12 19 | 21 1 | 21 2 | 21 0 | 2 11 | 4 27 |
| T 25 | 21 0 | 6 8 | 4 56 | 14 4 | 2 20 | 26 46 | 3 53 | 22 31 | 1 26 | 13 50 | 0 53 | 1 7 | 2 22 | 23 8 | 0 3 | 17 57 | 1 44 | 16 41 | 12 18 | 21 1 | 21 1 | 20 58 | 2 12 | 4 27 |
| F 26 | 21 11 | 0 45 | 4 25 | 14 40 | 2 13 | 26 40 | 3 48 | 22 25 | 1 26 | 13 48 | 0 53 | 1 7 | 2 22 | 23 8 | 0 3 | 17 56 | 1 44 | 16 41 | 12 18 | 21 1 | 21 0 | 20 56 | 2 13 | 4 27 |
| S 27 | 21 20 | 4s47 | 3 40 | 15 16 | 2 6 | 26 34 | 3 44 | 22 18 | 1 26 | 13 45 | 0 53 | 1 7 | 2 22 | 23 8 | 0 3 | 17 56 | 1 44 | 16 41 | 12 18 | 21 1 | 21 0 | 20 55 | 2 14 | 4 27 |
| S 28 | 21 30 | 10 17 | 2 43 | 15 51 | 1 59 | 26 28 | 3 38 | 22 10 | 1 25 | 13 43 | 0 53 | 1 8 | 2 22 | 23 8 | 0 3 | 17 56 | 1 44 | 16 40 | 12 18 | 21 1 | 20 59 | 20 53 | 2 15 | 4 27 |
| M29 | 21 39 | 15 28 | 1 35 | 16 27 | 1 51 | 26 22 | 3 33 | 22 3 | 1 25 | 13 41 | 0 53 | 1 8 | 2 21 | 23 8 | 0 3 | 17 55 | 1 44 | 16 40 | 12 17 | 21 1 | 20 59 | 20 51 | 2 15 | 4 27 |
| T 30 | 21 48 | 20 0 | 0 20 | 17 2 | 1 43 | 26 15 | 3 27 | 21 56 | 1 25 | 13 38 | 0 53 | 1 8 | 2 21 | 23 9 | 0 3 | 17 55 | 1 44 | 16 40 | 12 17 | 21 1 | 20 58 | 20 49 | 2 16 | 4 28 |
| W31 | 21n56 | 23s29 | 0s58 | 17n38 | 1s34 | 26n 8 | 3n20 | 21n48 | 1n25 | 13n36 | 0n53 | 1n 8 | 2n21 | 23n 9 | 0n 3 | 17s55 | 1n44 | 16n40 | 12n17 | 21n 1 | 20n58 | 20n48 | 2n17 | 4n28 |

Julian Day Number = 2799376.5, Delta T = 49m49s
Ecliptic obliquity = 23°19'01, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°04'14, Lahiri = 37°11'14


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# ASTRODIENST EPHEMERIS for the year 2952
# geocentric

## JUNE 2952 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 41 5 | 11♊39'50 | 29♐49 | 27♉53 | 11♋48 | 28♋48 | 26♌10 | 2°R36 | 22♊25 | 27°R54 | 16♍20 | 4°R56 | 4♊36 | 15♌27 | 25♓26 | T 1 |
| F 2 | 16 45 2 | 12°37'40 | 14♑19 | 29°50 | 11°R50 | 29°25 | 26°18 | 2♎36 | 22°29 | 27♏52 | 16°20 | 4♊56 | 4°33 | 15°33 | 25°27 | F 2 |
| S 3 | 16 48 58 | 13°35'29 | 28°54 | 1♊49 | 11°50 | 0♌ 2 | 26°25 | 2°D36 | 22°32 | 27°51 | 16°20 | 4°55 | 4°30 | 15°40 | 25°29 | S 3 |
| S 4 | 16 52 55 | 14°33'17 | 13♒27 | 3°49 | 11°47 | 0°39 | 26°32 | 2°36 | 22°36 | 27°49 | 16°21 | 4°54 | 4°26 | 15°47 | 25°30 | S 4 |
| M 5 | 16 56 51 | 15°31'04 | 27°54 | 5°52 | 11°42 | 1°15 | 26°40 | 2°36 | 22°39 | 27°48 | 16°21 | 4°53 | 4°23 | 15°53 | 25°31 | M 5 |
| T 6 | 17 0 48 | 16°28'49 | 12♓ 9 | 7°56 | 11°34 | 1°52 | 26°48 | 2°36 | 22°43 | 27°46 | 16°21 | 4°D52 | 4°20 | 16° 0 | 25°33 | T 6 |
| W 7 | 17 4 44 | 17°26'34 | 26°12 | 10° 1 | 11°24 | 2°29 | 26°56 | 2°36 | 22°46 | 27°45 | 16°21 | 4°53 | 4°17 | 16° 7 | 25°34 | W 7 |
| T 8 | 17 8 41 | 18°24'18 | 10♈ 0 | 12° 9 | 11°12 | 3° 6 | 27° 4 | 2°37 | 22°50 | 27°43 | 16°22 | 4°53 | 4°14 | 16°14 | 25°35 | T 8 |
| F 9 | 17 12 37 | 19°22'00 | 23°33 | 14°17 | 10°57 | 3°43 | 27°12 | 2°37 | 22°53 | 27°42 | 16°22 | 4°54 | 4°10 | 16°20 | 25°36 | F 9 |
| S 10 | 17 16 34 | 20°19'42 | 6♉51 | 16°27 | 10°40 | 4°20 | 27°20 | 2°38 | 22°57 | 27°40 | 16°23 | 4°55 | 4° 7 | 16°27 | 25°37 | S 10 |
| S 11 | 17 20 31 | 21°17'23 | 19°56 | 18°38 | 10°20 | 4°57 | 27°29 | 2°39 | 23° 0 | 27°39 | 16°23 | 4°56 | 4° 4 | 16°34 | 25°38 | S 11 |
| M12 | 17 24 27 | 22°15'03 | 2♊47 | 20°49 | 9°59 | 5°34 | 27°37 | 2°40 | 23° 4 | 27°37 | 16°23 | 4°R57 | 4° 1 | 16°40 | 25°39 | M12 |
| T 13 | 17 28 24 | 23°12'41 | 15°26 | 23° 1 | 9°35 | 6°11 | 27°46 | 2°41 | 23° 7 | 27°36 | 16°24 | 4°57 | 3°58 | 16°47 | 25°40 | T 13 |
| W14 | 17 32 20 | 24°10'19 | 27°53 | 25°13 | 9° 9 | 6°48 | 27°55 | 2°42 | 23°11 | 27°34 | 16°24 | 4°55 | 3°55 | 16°54 | 25°41 | W14 |
| T 15 | 17 36 17 | 25° 7'56 | 10♋ 9 | 27°26 | 8°41 | 7°25 | 28° 3 | 2°43 | 23°14 | 27°33 | 16°25 | 4°53 | 3°51 | 17° 1 | 25°42 | T 15 |
| F 16 | 17 40 13 | 26° 5'31 | 22°16 | 29°37 | 8°11 | 8° 2 | 28°12 | 2°44 | 23°18 | 27°31 | 16°26 | 4°50 | 3°48 | 17° 7 | 25°42 | F 16 |
| S 17 | 17 44 10 | 27° 3'05 | 4♌15 | 1♋49 | 7°40 | 8°39 | 28°21 | 2°45 | 23°21 | 27°30 | 16°26 | 4°47 | 3°45 | 17°14 | 25°43 | S 17 |
| S 18 | 17 48 6 | 28° 0'38 | 16°10 | 3°59 | 7° 7 | 9°16 | 28°31 | 2°47 | 23°25 | 27°29 | 16°27 | 4°43 | 3°42 | 17°21 | 25°43 | S 18 |
| M19 | 17 52 3 | 28°58'10 | 28° 1 | 6° 8 | 6°33 | 9°53 | 28°40 | 2°48 | 23°28 | 27°27 | 16°27 | 4°40 | 3°39 | 17°27 | 25°44 | M19 |
| T 20 | 17 56 0 | 29°55'41 | 9♍54 | 8°16 | 5°57 | 10°30 | 28°49 | 2°50 | 23°32 | 27°26 | 16°28 | 4°37 | 3°36 | 17°34 | 25°44 | T 20 |
| W21 | 17 59 56 | 0♋53'10 | 21°53 | 10°22 | 5°21 | 11° 7 | 28°59 | 2°52 | 23°35 | 27°25 | 16°29 | 4°36 | 3°32 | 17°41 | 25°45 | W21 |
| T 22 | 18 3 53 | 1°50'38 | 4♎ 1 | 12°27 | 4°44 | 11°44 | 29° 8 | 2°54 | 23°39 | 27°23 | 16°30 | 4°D35 | 3°29 | 17°48 | 25°45 | T 22 |
| F 23 | 18 7 49 | 2°48'05 | 16°23 | 14°30 | 4° 6 | 12°21 | 29°18 | 2°56 | 23°42 | 27°22 | 16°30 | 4°36 | 3°26 | 17°54 | 25°46 | F 23 |
| S 24 | 18 11 46 | 3°45'31 | 29° 4 | 16°30 | 3°29 | 12°58 | 29°28 | 2°58 | 23°46 | 27°21 | 16°31 | 4°37 | 3°23 | 18° 1 | 25°46 | S 24 |
| S 25 | 18 15 42 | 4°42'56 | 12♏ 8 | 18°29 | 2°51 | 13°36 | 29°38 | 3° 0 | 23°49 | 27°20 | 16°32 | 4°39 | 3°20 | 18° 8 | 25°46 | S 25 |
| M26 | 18 19 39 | 5°40'20 | 25°37 | 20°25 | 2°14 | 14°13 | 29°48 | 3° 2 | 23°53 | 27°19 | 16°33 | 4°40 | 3°16 | 18°15 | 25°46 | M26 |
| T 27 | 18 23 35 | 6°37'43 | 9♐32 | 22°19 | 1°37 | 14°50 | 29°58 | 3° 4 | 23°56 | 27°17 | 16°34 | 4°R40 | 3°13 | 18°21 | 25°46 | T 27 |
| W28 | 18 27 32 | 7°35'05 | 23°52 | 24°11 | 1° 1 | 15°27 | 0♍ 8 | 3° 7 | 24° 0 | 27°16 | 16°35 | 4°39 | 3°10 | 18°28 | 25°R46 | W28 |
| T 29 | 18 31 29 | 8°32'26 | 8♑32 | 26° 0 | 0°26 | 16° 4 | 0°18 | 3° 9 | 24° 3 | 27°15 | 16°36 | 4°36 | 3° 7 | 18°35 | 25°46 | T 29 |
| F 30 | 18 35 25 | 9♋29'47 | 23♑27 | 27♋47 | 29♊52 | 16♌41 | 0♍28 | 3♎12 | 24♊ 6 | 27♏14 | 16♍37 | 4♊32 | 3♊ 4 | 18♌41 | 25♓46 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n 4 | 25s32 | 2s13 | 18n13 | 1s25 | 26n 1 | 3n14 | 21n40 | 1n24 | 13n33 | 0n53 | 1n 8 | 2n21 | 23n 9 | 0n 3 | 17s54 | 1n44 | 16n39 | 12n16 | 21n 1 | 20n57 | 20n46 | 2n18 | 4n28 |
| F 2 | 22 12 | 25 53 | 3 21 | 18 47 | 1 15 | 25 53 | 3 6 | 21 33 | 1 24 | 13 31 | 0 53 | 1 7 | 2 21 | 23 9 | 0 3 | 17 54 | 1 44 | 16 39 | 12 16 | 21 1 | 20 56 | 20 44 | 2 18 | 4 28 |
| S 3 | 22 19 | 24 27 | 4 16 | 19 21 | 1 6 | 25 45 | 2 58 | 21 25 | 1 24 | 13 28 | 0 53 | 1 7 | 2 20 | 23 10 | 0 3 | 17 54 | 1 44 | 16 38 | 12 16 | 21 0 | 20 56 | 20 42 | 2 19 | 4 28 |
| S 4 | 22 26 | 21 24 | 4 55 | 19 54 | 0 56 | 25 37 | 2 50 | 21 16 | 1 24 | 13 26 | 0 52 | 1 7 | 2 20 | 23 10 | 0 3 | 17 53 | 1 44 | 16 38 | 12 15 | 21 0 | 20 55 | 20 41 | 2 20 | 4 28 |
| M 5 | 22 32 | 17 3 | 5 14 | 20 26 | 0 45 | 25 29 | 2 41 | 21 8 | 1 23 | 13 23 | 0 52 | 1 7 | 2 20 | 23 10 | 0 3 | 17 53 | 1 44 | 16 38 | 12 15 | 21 0 | 20 55 | 20 39 | 2 21 | 4 29 |
| T 6 | 22 38 | 11 48 | 5 14 | 20 57 | 0 35 | 25 21 | 2 32 | 21 0 | 1 23 | 13 20 | 0 52 | 1 7 | 2 20 | 23 10 | 0 3 | 17 53 | 1 44 | 16 37 | 12 15 | 21 0 | 20 54 | 20 37 | 2 21 | 4 29 |
| W 7 | 22 44 | 6 1 | 4 55 | 21 26 | 0 24 | 25 12 | 2 23 | 20 51 | 1 23 | 13 18 | 0 52 | 1 6 | 2 20 | 23 10 | 0 3 | 17 52 | 1 44 | 16 37 | 12 15 | 21 0 | 20 54 | 20 35 | 2 22 | 4 29 |
| T 8 | 22 49 | 0 2 | 4 19 | 21 54 | 0 14 | 25 3 | 2 12 | 20 42 | 1 23 | 13 15 | 0 52 | 1 6 | 2 19 | 23 11 | 0 3 | 17 52 | 1 44 | 16 37 | 12 14 | 21 0 | 20 53 | 20 34 | 2 23 | 4 29 |
| F 9 | 22 54 | 5n51 | 3 29 | 22 21 | 0 3 | 24 54 | 2 2 | 20 33 | 1 22 | 13 12 | 0 52 | 1 6 | 2 19 | 23 11 | 0 3 | 17 52 | 1 43 | 16 36 | 12 14 | 21 0 | 20 52 | 20 32 | 2 23 | 4 29 |
| S 10 | 22 58 | 11 23 | 2 29 | 22 45 | 0n 7 | 24 44 | 1 51 | 20 24 | 1 22 | 13 9 | 0 52 | 1 5 | 2 19 | 23 11 | 0 3 | 17 51 | 1 43 | 16 36 | 12 14 | 21 1 | 20 52 | 20 30 | 2 24 | 4 30 |
| S 11 | 23 2 | 16 19 | 1 22 | 23 8 | 0 18 | 24 34 | 1 39 | 20 15 | 1 22 | 13 6 | 0 52 | 1 5 | 2 19 | 23 11 | 0 3 | 17 51 | 1 43 | 16 35 | 12 13 | 21 1 | 20 51 | 20 28 | 2 24 | 4 30 |
| M12 | 23 5 | 20 25 | 0 12 | 23 28 | 0 28 | 24 24 | 1 27 | 20 6 | 1 22 | 13 3 | 0 52 | 1 4 | 2 18 | 23 11 | 0 3 | 17 51 | 1 43 | 16 35 | 12 13 | 21 1 | 20 51 | 20 26 | 2 25 | 4 30 |
| T 13 | 23 9 | 23 29 | 0n58 | 23 46 | 0 38 | 24 13 | 1 15 | 19 57 | 1 21 | 13 0 | 0 52 | 1 3 | 2 18 | 23 12 | 0 3 | 17 51 | 1 43 | 16 34 | 12 13 | 21 1 | 20 50 | 20 25 | 2 25 | 4 30 |
| W14 | 23 11 | 25 21 | 2 3 | 24 2 | 0 48 | 24 2 | 1 2 | 19 47 | 1 21 | 12 57 | 0 52 | 1 3 | 2 18 | 23 12 | 0 3 | 17 50 | 1 43 | 16 34 | 12 12 | 21 1 | 20 49 | 20 23 | 2 26 | 4 30 |
| T 15 | 23 14 | 25 57 | 3 2 | 24 15 | 0 57 | 23 51 | 0 49 | 19 38 | 1 21 | 12 54 | 0 52 | 1 2 | 2 18 | 23 12 | 0 3 | 17 50 | 1 43 | 16 33 | 12 12 | 21 0 | 20 49 | 20 21 | 2 26 | 4 31 |
| F 16 | 23 16 | 25 18 | 3 52 | 24 25 | 1 6 | 23 40 | 0 36 | 19 28 | 1 21 | 12 51 | 0 52 | 1 2 | 2 18 | 23 12 | 0 3 | 17 50 | 1 43 | 16 33 | 12 12 | 21 0 | 20 48 | 20 19 | 2 27 | 4 31 |
| S 17 | 23 17 | 23 28 | 4 31 | 24 32 | 1 14 | 23 28 | 0 22 | 19 18 | 1 20 | 12 48 | 0 52 | 1 1 | 2 17 | 23 12 | 0 3 | 17 49 | 1 43 | 16 32 | 12 12 | 20 59 | 20 48 | 20 17 | 2 27 | 4 31 |
| S 18 | 23 18 | 20 38 | 4 57 | 24 37 | 1 22 | 23 16 | 0 8 | 19 8 | 1 20 | 12 44 | 0 52 | 1 0 | 2 17 | 23 12 | 0 3 | 17 49 | 1 43 | 16 32 | 12 11 | 20 58 | 20 47 | 20 15 | 2 28 | 4 31 |
| M19 | 23 19 | 16 58 | 5 12 | 24 39 | 1 29 | 23 4 | 0s 6 | 18 58 | 1 20 | 12 41 | 0 51 | 0 59 | 2 17 | 23 13 | 0 3 | 17 49 | 1 43 | 16 31 | 12 11 | 20 58 | 20 46 | 20 14 | 2 28 | 4 31 |
| T 20 | 23 19 | 12 38 | 5 12 | 24 39 | 1 35 | 22 51 | 0 20 | 18 47 | 1 20 | 12 38 | 0 51 | 0 58 | 2 17 | 23 13 | 0 3 | 17 49 | 1 43 | 16 31 | 12 11 | 20 57 | 20 46 | 20 12 | 2 28 | 4 32 |
| W21 | 23 19 | 7 48 | 5 0 | 24 36 | 1 41 | 22 39 | 0 34 | 18 37 | 1 19 | 12 34 | 0 51 | 0 58 | 2 17 | 23 13 | 0 3 | 17 48 | 1 43 | 16 30 | 12 10 | 20 57 | 20 45 | 20 10 | 2 29 | 4 32 |
| T 22 | 23 18 | 2 36 | 4 33 | 24 30 | 1 46 | 22 26 | 0 48 | 18 27 | 1 19 | 12 31 | 0 51 | 0 57 | 2 16 | 23 13 | 0 3 | 17 48 | 1 43 | 16 30 | 12 10 | 20 57 | 20 45 | 20 8 | 2 29 | 4 32 |
| F 23 | 23 17 | 2s48 | 3 54 | 24 21 | 1 50 | 22 13 | 1 3 | 18 16 | 1 19 | 12 28 | 0 51 | 0 56 | 2 16 | 23 13 | 0 3 | 17 48 | 1 43 | 16 29 | 12 10 | 20 57 | 20 44 | 20 6 | 2 29 | 4 32 |
| S 24 | 23 16 | 8 14 | 3 3 | 24 11 | 1 54 | 22 0 | 1 17 | 18 5 | 1 18 | 12 24 | 0 51 | 0 55 | 2 16 | 23 13 | 0 3 | 17 48 | 1 43 | 16 29 | 12 10 | 20 57 | 20 43 | 20 4 | 2 30 | 4 32 |
| S 25 | 23 14 | 13 29 | 2 0 | 23 58 | 1 56 | 21 46 | 1 31 | 17 54 | 1 18 | 12 21 | 0 51 | 0 54 | 2 16 | 23 14 | 0 3 | 17 47 | 1 43 | 16 28 | 12 9 | 20 58 | 20 43 | 20 2 | 2 30 | 4 33 |
| M26 | 23 12 | 18 16 | 0 49 | 23 43 | 1 58 | 21 33 | 1 45 | 17 43 | 1 18 | 12 17 | 0 51 | 0 53 | 2 16 | 23 14 | 0 3 | 17 47 | 1 43 | 16 27 | 12 9 | 20 58 | 20 42 | 20 1 | 2 30 | 4 33 |
| T 27 | 23 9 | 22 12 | 0s27 | 23 26 | 1 59 | 21 20 | 1 58 | 17 32 | 1 18 | 12 14 | 0 51 | 0 51 | 2 15 | 23 14 | 0 3 | 17 47 | 1 43 | 16 27 | 12 9 | 20 58 | 20 42 | 19 59 | 2 30 | 4 33 |
| W28 | 23 6 | 24 53 | 1 43 | 23 8 | 1 59 | 21 7 | 2 11 | 17 21 | 1 17 | 12 10 | 0 51 | 0 50 | 2 15 | 23 14 | 0 3 | 17 47 | 1 43 | 16 26 | 12 9 | 20 58 | 20 41 | 19 57 | 2 31 | 4 33 |
| T 29 | 23 3 | 25 56 | 2 54 | 22 47 | 1 59 | 20 55 | 2 24 | 17 10 | 1 17 | 12 6 | 0 51 | 0 49 | 2 15 | 23 14 | 0 3 | 17 46 | 1 43 | 16 26 | 12 8 | 20 57 | 20 40 | 19 55 | 2 31 | 4 33 |
| F 30 | 22n59 | 25s 9 | 3s55 | 22n25 | 1n58 | 20n42 | 2s37 | 16n58 | 1n17 | 12n 3 | 0n51 | 0n48 | 2n15 | 23n14 | 0n 3 | 17s46 | 1n43 | 16n25 | 12n 8 | 20n56 | 20n40 | 19n53 | 2n31 | 4n34 |

Julian Day Number = 2799407.5, Delta T = 49m50s
Ecliptic obliquity = 23°19'00, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°04'18, Lahiri = 37°11'19


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# ASTRODIENST EPHEMERIS for the year 2952
# geocentric

## JULY 2952 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 39 22 | 10♋27'07 | 8♒27 | 29♋32 | 29°R19 | 17♌18 | 0♍39 | 3♎15 | 24♊10 | 27°R13 | 16♍38 | 4°R27 | 3♊ 1 | 18♌48 | 25°R46 | S 1 |
| S 2 | 18 43 18 | 11°24'27 | 23°24 | 1♌14 | 28♊48 | 17°55 | 0°49 | 3°18 | 24°13 | 27♏12 | 16°39 | 4♊22 | 2°57 | 18°55 | 25♓46 | S 2 |
| M 3 | 18 47 15 | 12°21'46 | 8♓10 | 2°54 | 28°19 | 18°32 | 1° 0 | 3°21 | 24°17 | 27°11 | 16°40 | 4°18 | 2°54 | 19° 2 | 25°46 | M 3 |
| T 4 | 18 51 11 | 13°19'05 | 22°38 | 4°31 | 27°52 | 19° 9 | 1°10 | 3°24 | 24°20 | 27°10 | 16°41 | 4°14 | 2°51 | 19° 8 | 25°45 | T 4 |
| W 5 | 18 55 8 | 14°16'24 | 6♈45 | 6° 5 | 27°27 | 19°47 | 1°21 | 3°27 | 24°23 | 27° 9 | 16°42 | 4°13 | 2°48 | 19°15 | 25°45 | W 5 |
| T 6 | 18 59 5 | 15°13'42 | 20°29 | 7°38 | 27° 4 | 20°24 | 1°32 | 3°30 | 24°27 | 27° 8 | 16°43 | 4°D13 | 2°45 | 19°22 | 25°44 | T 6 |
| F 7 | 19 3 1 | 16°11'00 | 3♉52 | 9° 7 | 26°43 | 21° 1 | 1°43 | 3°33 | 24°30 | 27° 7 | 16°44 | 4°14 | 2°42 | 19°28 | 25°44 | F 7 |
| S 8 | 19 6 58 | 17° 8'19 | 16°56 | 10°34 | 26°24 | 21°38 | 1°54 | 3°37 | 24°33 | 27° 6 | 16°45 | 4°15 | 2°38 | 19°35 | 25°43 | S 8 |
| S 9 | 19 10 54 | 18° 5'37 | 29°43 | 11°59 | 26° 8 | 22°15 | 2° 5 | 3°40 | 24°37 | 27° 5 | 16°46 | 4°R16 | 2°35 | 19°42 | 25°43 | S 9 |
| M10 | 19 14 51 | 19° 2'55 | 12♊16 | 13°21 | 25°54 | 22°53 | 2°16 | 3°44 | 24°40 | 27° 4 | 16°48 | 4°16 | 2°32 | 19°49 | 25°42 | M10 |
| T 11 | 19 18 47 | 20° 0'13 | 24°38 | 14°40 | 25°43 | 23°30 | 2°27 | 3°47 | 24°43 | 27° 3 | 16°49 | 4°14 | 2°29 | 19°55 | 25°41 | T 11 |
| W12 | 19 22 44 | 20°57'30 | 6♋50 | 15°57 | 25°34 | 24° 7 | 2°38 | 3°51 | 24°47 | 27° 2 | 16°50 | 4° 9 | 2°26 | 20° 2 | 25°41 | W12 |
| T 13 | 19 26 40 | 21°54'48 | 18°56 | 17°11 | 25°27 | 24°44 | 2°49 | 3°55 | 24°50 | 27° 2 | 16°51 | 4° 3 | 2°22 | 20° 9 | 25°40 | T 13 |
| F 14 | 19 30 37 | 22°52'05 | 0♌55 | 18°22 | 25°23 | 25°21 | 3° 1 | 3°59 | 24°53 | 27° 1 | 16°53 | 3°55 | 2°19 | 20°15 | 25°39 | F 14 |
| S 15 | 19 34 34 | 23°49'22 | 12°50 | 19°31 | 25°D21 | 25°59 | 3°12 | 4° 3 | 24°56 | 27° 0 | 16°54 | 3°46 | 2°16 | 20°22 | 25°38 | S 15 |
| S 16 | 19 38 30 | 24°46'38 | 24°42 | 20°36 | 25°21 | 26°36 | 3°24 | 4° 7 | 24°59 | 27° 0 | 16°55 | 3°36 | 2°13 | 20°29 | 25°37 | S 16 |
| M17 | 19 42 27 | 25°43'55 | 6♍33 | 21°38 | 25°24 | 27°13 | 3°35 | 4°11 | 25° 2 | 26°59 | 16°57 | 3°27 | 2°10 | 20°36 | 25°36 | M17 |
| T 18 | 19 46 23 | 26°41'11 | 18°26 | 22°38 | 25°29 | 27°51 | 3°47 | 4°15 | 25° 6 | 26°58 | 16°58 | 3°20 | 2° 7 | 20°42 | 25°35 | T 18 |
| W19 | 19 50 20 | 27°38'26 | 0♎24 | 23°34 | 25°36 | 28°28 | 3°59 | 4°19 | 25° 9 | 26°58 | 17° 0 | 3°14 | 2° 3 | 20°49 | 25°34 | W19 |
| T 20 | 19 54 16 | 28°35'42 | 12°31 | 24°27 | 25°45 | 29° 5 | 4°10 | 4°24 | 25°12 | 26°57 | 17° 1 | 3°11 | 2° 0 | 20°56 | 25°33 | T 20 |
| F 21 | 19 58 13 | 29°32'57 | 24°50 | 25°16 | 25°56 | 29°43 | 4°22 | 4°28 | 25°15 | 26°56 | 17° 2 | 3°D 9 | 1°57 | 21° 3 | 25°31 | F 21 |
| S 22 | 20 2 9 | 0♌30'12 | 7♏27 | 26° 2 | 26° 9 | 0♍20 | 4°34 | 4°33 | 25°18 | 26°56 | 17° 4 | 3° 9 | 1°54 | 21° 9 | 25°30 | S 22 |
| S 23 | 20 6 6 | 1°27'26 | 20°26 | 26°44 | 26°25 | 0°57 | 4°46 | 4°37 | 25°21 | 26°55 | 17° 5 | 3°10 | 1°51 | 21°16 | 25°29 | S 23 |
| M24 | 20 10 3 | 2°24'41 | 3♐51 | 27°22 | 26°42 | 1°35 | 4°58 | 4°42 | 25°24 | 26°55 | 17° 7 | 3°R10 | 1°48 | 21°23 | 25°27 | M24 |
| T 25 | 20 13 59 | 3°21'55 | 17°43 | 27°57 | 27° 1 | 2°12 | 5°10 | 4°47 | 25°27 | 26°55 | 17° 8 | 3°10 | 1°44 | 21°29 | 25°26 | T 25 |
| W26 | 20 17 56 | 4°19'10 | 2♑ 5 | 28°27 | 27°22 | 2°49 | 5°22 | 4°51 | 25°30 | 26°54 | 17°10 | 3° 7 | 1°41 | 21°36 | 25°25 | W26 |
| T 27 | 20 21 52 | 5°16'24 | 16°52 | 28°53 | 27°44 | 3°27 | 5°34 | 4°56 | 25°33 | 26°54 | 17°12 | 3° 1 | 1°38 | 21°43 | 25°23 | T 27 |
| F 28 | 20 25 49 | 6°13'39 | 1♒58 | 29°15 | 28° 9 | 4° 4 | 5°46 | 5° 1 | 25°36 | 26°53 | 17°13 | 2°54 | 1°35 | 21°50 | 25°21 | F 28 |
| S 29 | 20 29 45 | 7°10'53 | 17°15 | 29°33 | 28°35 | 4°41 | 5°58 | 5° 6 | 25°38 | 26°53 | 17°15 | 2°45 | 1°32 | 21°56 | 25°20 | S 29 |
| S 30 | 20 33 42 | 8° 8'08 | 2♓30 | 29°45 | 29° 2 | 5°19 | 6°11 | 5°11 | 25°41 | 26°53 | 17°16 | 2°36 | 1°28 | 22° 3 | 25°18 | S 30 |
| M31 | 20 37 38 | 9♌ 5'23 | 17♓33 | 29♌53 | 29♊31 | 5♍56 | 6♍23 | 5♎17 | 25♊44 | 26♏53 | 17♍18 | 2♊27 | 1♊25 | 22♌10 | 25♓16 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n54 | 22s33 | 4s39 | 22n 2 | 1n56 | 20n30 | 2s49 | 16n47 | 1n16 | 11n59 | 0n51 | 0n47 | 2n15 | 23n15 | 0n 3 | 17s46 | 1n43 | 16n24 | 12n 8 | 20n55 | 20n39 | 19n51 | 2n31 | 4n34 |
| S 2 | 22 50 | 18 27 | 5 5 | 21 38 | 1 53 | 20 18 | 3 0 | 16 35 | 1 16 | 11 55 | 0 51 | 0 45 | 2 14 | 23 15 | 0 3 | 17 46 | 1 43 | 16 24 | 12 7 | 20 54 | 20 39 | 19 49 | 2 31 | 4 34 |
| M 3 | 22 45 | 13 15 | 5 10 | 21 12 | 1 50 | 20 7 | 3 11 | 16 24 | 1 16 | 11 51 | 0 51 | 0 44 | 2 14 | 23 15 | 0 3 | 17 46 | 1 43 | 16 23 | 12 7 | 20 54 | 20 38 | 19 47 | 2 31 | 4 34 |
| T 4 | 22 39 | 7 25 | 4 55 | 20 45 | 1 46 | 19 56 | 3 22 | 16 12 | 1 15 | 11 48 | 0 51 | 0 43 | 2 14 | 23 15 | 0 3 | 17 45 | 1 43 | 16 23 | 12 7 | 20 53 | 20 37 | 19 45 | 2 31 | 4 34 |
| W 5 | 22 33 | 1 21 | 4 22 | 20 18 | 1 41 | 19 46 | 3 32 | 16 0 | 1 15 | 11 44 | 0 51 | 0 41 | 2 14 | 23 15 | 0 3 | 17 45 | 1 43 | 16 22 | 12 7 | 20 53 | 20 37 | 19 43 | 2 31 | 4 34 |
| T 6 | 22 27 | 4n38 | 3 35 | 19 49 | 1 36 | 19 36 | 3 41 | 15 48 | 1 15 | 11 40 | 0 51 | 0 40 | 2 14 | 23 15 | 0 3 | 17 45 | 1 43 | 16 21 | 12 6 | 20 53 | 20 36 | 19 41 | 2 31 | 4 35 |
| F 7 | 22 21 | 10 17 | 2 37 | 19 20 | 1 30 | 19 26 | 3 50 | 15 36 | 1 15 | 11 36 | 0 51 | 0 38 | 2 13 | 23 16 | 0 3 | 17 45 | 1 43 | 16 21 | 12 6 | 20 53 | 20 35 | 19 40 | 2 31 | 4 35 |
| S 8 | 22 13 | 15 20 | 1 33 | 18 50 | 1 24 | 19 18 | 3 59 | 15 24 | 1 14 | 11 32 | 0 51 | 0 37 | 2 13 | 23 16 | 0 3 | 17 45 | 1 42 | 16 20 | 12 6 | 20 53 | 20 35 | 19 38 | 2 31 | 4 35 |
| S 9 | 22 6 | 19 35 | 0 25 | 18 20 | 1 16 | 19 9 | 4 6 | 15 11 | 1 14 | 11 28 | 0 51 | 0 35 | 2 13 | 23 16 | 0 3 | 17 45 | 1 42 | 16 19 | 12 6 | 20 53 | 20 34 | 19 36 | 2 31 | 4 35 |
| M10 | 21 58 | 22 52 | 0n43 | 17 50 | 1 9 | 19 2 | 4 14 | 14 59 | 1 14 | 11 24 | 0 51 | 0 34 | 2 13 | 23 16 | 0 3 | 17 44 | 1 42 | 16 18 | 12 5 | 20 53 | 20 34 | 19 34 | 2 31 | 4 35 |
| T 11 | 21 50 | 25 0 | 1 48 | 17 19 | 1 0 | 18 55 | 4 20 | 14 46 | 1 13 | 11 20 | 0 51 | 0 32 | 2 13 | 23 16 | 0 3 | 17 44 | 1 42 | 16 18 | 12 5 | 20 53 | 20 33 | 19 32 | 2 31 | 4 36 |
| W12 | 21 42 | 25 55 | 2 46 | 16 48 | 0 52 | 18 48 | 4 26 | 14 34 | 1 13 | 11 16 | 0 51 | 0 30 | 2 13 | 23 16 | 0 3 | 17 44 | 1 42 | 16 17 | 12 5 | 20 52 | 20 32 | 19 30 | 2 31 | 4 36 |
| T 13 | 21 33 | 25 34 | 3 37 | 16 17 | 0 42 | 18 42 | 4 32 | 14 21 | 1 13 | 11 12 | 0 51 | 0 29 | 2 12 | 23 16 | 0 3 | 17 44 | 1 42 | 16 16 | 12 5 | 20 51 | 20 32 | 19 28 | 2 31 | 4 36 |
| F 14 | 21 23 | 24 2 | 4 17 | 15 45 | 0 32 | 18 37 | 4 37 | 14 8 | 1 12 | 11 8 | 0 50 | 0 27 | 2 12 | 23 17 | 0 3 | 17 44 | 1 42 | 16 16 | 12 5 | 20 49 | 20 31 | 19 26 | 2 30 | 4 36 |
| S 15 | 21 14 | 21 26 | 4 46 | 15 14 | 0 22 | 18 32 | 4 42 | 13 55 | 1 12 | 11 4 | 0 50 | 0 25 | 2 12 | 23 17 | 0 3 | 17 44 | 1 42 | 16 15 | 12 4 | 20 48 | 20 31 | 19 24 | 2 30 | 4 36 |
| S 16 | 21 4 | 17 58 | 5 2 | 14 44 | 0 11 | 18 28 | 4 46 | 13 43 | 1 12 | 11 0 | 0 50 | 0 24 | 2 12 | 23 17 | 0 3 | 17 44 | 1 42 | 16 14 | 12 4 | 20 46 | 20 30 | 19 22 | 2 30 | 4 36 |
| M17 | 20 53 | 13 47 | 5 5 | 14 13 | 0s 0 | 18 25 | 4 50 | 13 29 | 1 11 | 10 55 | 0 50 | 0 22 | 2 12 | 23 17 | 0 3 | 17 44 | 1 42 | 16 13 | 12 4 | 20 44 | 20 29 | 19 20 | 2 30 | 4 37 |
| T 18 | 20 43 | 9 5 | 4 55 | 13 43 | 0 12 | 18 22 | 4 53 | 13 16 | 1 11 | 10 51 | 0 50 | 0 20 | 2 11 | 23 17 | 0 3 | 17 44 | 1 42 | 16 13 | 12 4 | 20 43 | 20 29 | 19 18 | 2 30 | 4 37 |
| W19 | 20 32 | 4 0 | 4 32 | 13 13 | 0 24 | 18 19 | 4 56 | 13 3 | 1 11 | 10 47 | 0 50 | 0 18 | 2 11 | 23 17 | 0 3 | 17 43 | 1 42 | 16 12 | 12 3 | 20 42 | 20 28 | 19 16 | 2 29 | 4 37 |
| T 20 | 20 20 | 1s17 | 3 57 | 12 44 | 0 37 | 18 17 | 4 58 | 12 50 | 1 10 | 10 43 | 0 50 | 0 16 | 2 11 | 23 17 | 0 4 | 17 43 | 1 42 | 16 11 | 12 3 | 20 41 | 20 27 | 19 14 | 2 29 | 4 37 |
| F 21 | 20 8 | 6 37 | 3 10 | 12 15 | 0 50 | 18 15 | 5 0 | 12 37 | 1 10 | 10 38 | 0 50 | 0 14 | 2 11 | 23 17 | 0 4 | 17 43 | 1 42 | 16 10 | 12 3 | 20 41 | 20 27 | 19 12 | 2 29 | 4 37 |
| S 22 | 19 56 | 11 50 | 2 13 | 11 47 | 1 3 | 18 14 | 5 2 | 12 23 | 1 10 | 10 34 | 0 50 | 0 12 | 2 11 | 23 18 | 0 4 | 17 43 | 1 42 | 16 10 | 12 3 | 20 41 | 20 26 | 19 10 | 2 28 | 4 37 |
| S 23 | 19 44 | 16 41 | 1 8 | 11 21 | 1 16 | 18 13 | 5 3 | 12 10 | 1 9 | 10 30 | 0 50 | 0 10 | 2 11 | 23 18 | 0 4 | 17 43 | 1 42 | 16 9 | 12 3 | 20 41 | 20 26 | 19 8 | 2 28 | 4 38 |
| M24 | 19 31 | 20 52 | 0s 4 | 10 55 | 1 30 | 18 13 | 5 4 | 11 56 | 1 9 | 10 25 | 0 50 | 0 8 | 2 10 | 23 18 | 0 4 | 17 43 | 1 42 | 16 8 | 12 3 | 20 41 | 20 25 | 19 6 | 2 27 | 4 38 |
| T 25 | 19 18 | 24 2 | 1 17 | 10 30 | 1 44 | 18 13 | 5 5 | 11 42 | 1 9 | 10 21 | 0 50 | 0 6 | 2 10 | 23 18 | 0 4 | 17 43 | 1 42 | 16 7 | 12 2 | 20 41 | 20 24 | 19 4 | 2 27 | 4 38 |
| W26 | 19 5 | 25 46 | 2 28 | 10 6 | 1 58 | 18 13 | 5 5 | 11 29 | 1 8 | 10 17 | 0 50 | 0 4 | 2 10 | 23 18 | 0 4 | 17 43 | 1 42 | 16 7 | 12 2 | 20 40 | 20 24 | 19 2 | 2 27 | 4 38 |
| T 27 | 18 51 | 25 45 | 3 31 | 9 44 | 2 13 | 18 13 | 5 5 | 11 15 | 1 8 | 10 12 | 0 50 | 0 2 | 2 10 | 23 18 | 0 4 | 17 43 | 1 42 | 16 6 | 12 2 | 20 39 | 20 23 | 18 59 | 2 26 | 4 38 |
| F 28 | 18 37 | 23 51 | 4 20 | 9 23 | 2 27 | 18 14 | 5 4 | 11 1 | 1 8 | 10 8 | 0 50 | 0 0 | 2 10 | 23 18 | 0 4 | 17 43 | 1 41 | 16 5 | 12 2 | 20 38 | 20 22 | 18 57 | 2 26 | 4 38 |
| S 29 | 18 23 | 20 13 | 4 52 | 9 3 | 2 41 | 18 15 | 5 4 | 10 47 | 1 7 | 10 3 | 0 50 | 0s 2 | 2 10 | 23 18 | 0 4 | 17 43 | 1 41 | 16 4 | 12 2 | 20 36 | 20 22 | 18 55 | 2 25 | 4 38 |
| S 30 | 18 8 | 15 14 | 5 3 | 8 46 | 2 55 | 18 16 | 5 3 | 10 33 | 1 7 | 9 59 | 0 50 | 0 4 | 2 10 | 23 18 | 0 4 | 17 43 | 1 41 | 16 3 | 12 2 | 20 34 | 20 21 | 18 53 | 2 25 | 4 39 |
| M31 | 17n53 | 9s23 | 4s53 | 8n30 | 3s 9 | 18n17 | 5s 2 | 10n19 | 1n 7 | 9n54 | 0n50 | 0s 6 | 2n 9 | 23n19 | 0n 4 | 17s43 | 1n41 | 16n 3 | 12n 1 | 20n33 | 20n20 | 18n51 | 2n24 | 4n39 |

Julian Day Number = 2799437.5, Delta T = 49m50s
Ecliptic obliquity = 23°19'01, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°04'22, Lahiri = 37°11'23


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# ASTRODIENST EPHEMERIS for the year 2952
# geocentric

## AUGUST 2952 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 41 35 | 10♌ 2'39 | 2♈16 | 29°R57 | 0♋ 2 | 6♍34 | 6♍35 | 5♎22 | 25♊47 | 26°R52 | 17♍20 | 2°R20 | 1♊22 | 22♌16 | 25°R15 | T 1 |
| W 2 | 20 45 32 | 10°59'55 | 16°33 | 29♌55 | 0°33 | 7°11 | 6°47 | 5°27 | 25°49 | 26♏52 | 17°21 | 2♊16 | 1°19 | 22°23 | 25♓13 | W 2 |
| T 3 | 20 49 28 | 11°57'12 | 0♉23 | 29°48 | 1° 7 | 7°49 | 7° 0 | 5°33 | 25°52 | 26°52 | 17°23 | 2°14 | 1°16 | 22°30 | 25°11 | T 3 |
| F 4 | 20 53 25 | 12°54'30 | 13°45 | 29°37 | 1°41 | 8°26 | 7°12 | 5°38 | 25°55 | 26°52 | 17°25 | 2°D13 | 1°13 | 22°37 | 25° 9 | F 4 |
| S 5 | 20 57 21 | 13°51'49 | 26°44 | 29°21 | 2°17 | 9° 4 | 7°25 | 5°44 | 25°57 | 26°52 | 17°27 | 2°R14 | 1° 9 | 22°43 | 25° 7 | S 5 |
| S 6 | 21 1 18 | 14°49'08 | 9♊23 | 29° 0 | 2°54 | 9°41 | 7°37 | 5°49 | 26° 0 | 26°52 | 17°28 | 2°13 | 1° 6 | 22°50 | 25° 5 | S 6 |
| M 7 | 21 5 14 | 15°46'28 | 21°46 | 28°35 | 3°32 | 10°19 | 7°50 | 5°55 | 26° 3 | 26°D52 | 17°30 | 2°12 | 1° 3 | 22°57 | 25° 3 | M 7 |
| T 8 | 21 9 11 | 16°43'49 | 3♋57 | 28° 5 | 4°11 | 10°56 | 8° 3 | 6° 0 | 26° 5 | 26°52 | 17°32 | 2° 8 | 1° 0 | 23° 4 | 25° 1 | T 8 |
| W 9 | 21 13 7 | 17°41'11 | 15°59 | 27°32 | 4°52 | 11°34 | 8°15 | 6° 6 | 26° 8 | 26°52 | 17°34 | 2° 2 | 0°57 | 23°10 | 24°59 | W 9 |
| T 10 | 21 17 4 | 18°38'33 | 27°57 | 26°55 | 5°33 | 12°11 | 8°28 | 6°12 | 26°10 | 26°52 | 17°35 | 1°52 | 0°54 | 23°17 | 24°57 | T 10 |
| F 11 | 21 21 1 | 19°35'56 | 9♌50 | 26°15 | 6°16 | 12°49 | 8°41 | 6°18 | 26°13 | 26°52 | 17°37 | 1°40 | 0°50 | 23°24 | 24°55 | F 11 |
| S 12 | 21 24 57 | 20°33'20 | 21°42 | 25°33 | 6°59 | 13°27 | 8°53 | 6°24 | 26°15 | 26°52 | 17°39 | 1°27 | 0°47 | 23°30 | 24°52 | S 12 |
| S 13 | 21 28 54 | 21°30'44 | 3♍34 | 24°50 | 7°43 | 14° 4 | 9° 6 | 6°30 | 26°17 | 26°52 | 17°41 | 1°13 | 0°44 | 23°37 | 24°50 | S 13 |
| M14 | 21 32 50 | 22°28'09 | 15°27 | 24° 5 | 8°28 | 14°42 | 9°19 | 6°36 | 26°20 | 26°52 | 17°43 | 1° 0 | 0°41 | 23°44 | 24°48 | M14 |
| T 15 | 21 36 47 | 23°25'35 | 27°23 | 23°21 | 9°14 | 15°20 | 9°32 | 6°42 | 26°22 | 26°53 | 17°45 | 0°49 | 0°38 | 23°51 | 24°46 | T 15 |
| W16 | 21 40 43 | 24°23'01 | 9♎25 | 22°37 | 10° 1 | 15°57 | 9°44 | 6°48 | 26°24 | 26°53 | 17°47 | 0°40 | 0°34 | 23°57 | 24°43 | W16 |
| T 17 | 21 44 40 | 25°20'28 | 21°34 | 21°55 | 10°49 | 16°35 | 9°57 | 6°54 | 26°26 | 26°53 | 17°48 | 0°34 | 0°31 | 24° 4 | 24°41 | T 17 |
| F 18 | 21 48 36 | 26°17'56 | 3♏54 | 21°15 | 11°37 | 17°13 | 10°10 | 7° 1 | 26°28 | 26°54 | 17°50 | 0°30 | 0°28 | 24°11 | 24°38 | F 18 |
| S 19 | 21 52 33 | 27°15'24 | 16°29 | 20°38 | 12°26 | 17°50 | 10°23 | 7° 7 | 26°31 | 26°54 | 17°52 | 0°29 | 0°25 | 24°17 | 24°36 | S 19 |
| S 20 | 21 56 30 | 28°12'53 | 29°24 | 20° 5 | 13°16 | 18°28 | 10°36 | 7°13 | 26°33 | 26°54 | 17°54 | 0°29 | 0°22 | 24°24 | 24°33 | S 20 |
| M21 | 22 0 26 | 29°10'22 | 12♐42 | 19°36 | 14° 6 | 19° 6 | 10°49 | 7°20 | 26°35 | 26°55 | 17°56 | 0°28 | 0°19 | 24°31 | 24°31 | M21 |
| T 22 | 22 4 23 | 0♑ 7'53 | 26°27 | 19°13 | 14°57 | 19°44 | 11° 2 | 7°26 | 26°37 | 26°55 | 17°58 | 0°27 | 0°15 | 24°38 | 24°28 | T 22 |
| W23 | 22 8 19 | 1° 5'24 | 10♑41 | 18°55 | 15°49 | 20°22 | 11°15 | 7°33 | 26°39 | 26°56 | 18° 0 | 0°24 | 0°12 | 24°44 | 24°26 | W23 |
| T 24 | 22 12 16 | 2° 2'55 | 25°21 | 18°43 | 16°42 | 20°59 | 11°28 | 7°39 | 26°40 | 26°56 | 18° 2 | 0°17 | 0° 9 | 24°51 | 24°23 | T 24 |
| F 25 | 22 16 12 | 3° 0'28 | 10♒23 | 18°D38 | 17°35 | 21°37 | 11°41 | 7°46 | 26°42 | 26°57 | 18° 4 | 0° 9 | 0° 6 | 24°58 | 24°21 | F 25 |
| S 26 | 22 20 9 | 3°58'01 | 25°40 | 18°39 | 18°28 | 22°15 | 11°54 | 7°52 | 26°44 | 26°57 | 18° 6 | 29♉59 | 0° 3 | 25° 5 | 24°18 | S 26 |
| S 27 | 22 24 5 | 4°55'36 | 10♓59 | 18°48 | 19°22 | 22°53 | 12° 7 | 7°59 | 26°46 | 26°58 | 18° 8 | 29°48 | 29♉59 | 25°11 | 24°15 | S 27 |
| M28 | 22 28 2 | 5°53'11 | 26°10 | 19° 3 | 20°17 | 23°31 | 12°20 | 8° 6 | 26°48 | 26°59 | 18°10 | 29°38 | 29°56 | 25°18 | 24°13 | M28 |
| T 29 | 22 31 59 | 6°50'48 | 11♈ 2 | 19°26 | 21°12 | 24° 9 | 12°33 | 8°12 | 26°49 | 26°59 | 18°12 | 29°30 | 29°53 | 25°25 | 24°10 | T 29 |
| W30 | 22 35 55 | 7°48'26 | 25°29 | 19°56 | 22° 8 | 24°47 | 12°46 | 8°19 | 26°51 | 27° 0 | 18°14 | 29°24 | 29°50 | 25°31 | 24° 7 | W30 |
| T 31 | 22 39 52 | 8♍46'05 | 9♉26 | 20♌33 | 23♋ 4 | 25♍24 | 12♍59 | 8♎26 | 26♊53 | 27♏ 1 | 18♍16 | 29♉21 | 29♉47 | 25♌38 | 24♓ 4 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n38 | 3s 8 | 4s23 | 8n16 | 3s23 | 18n19 | 5s 0 | 10n 5 | 1n 6 | 9n50 | 0n50 | 0s 8 | 2n 9 | 23n19 | 0n 4 | 17s43 | 1n41 | 16n 2 | 12n 1 | 20n31 | 20n20 | 18n49 | 2n23 | 4n39 |
| W 2 | 17 23 | 3n 7 | 3 38 | 8 4 | 3 36 | 18 20 | 4 59 | 9 51 | 1 6 | 9 45 | 0 50 | 0 11 | 2 9 | 23 19 | 0 4 | 17 43 | 1 41 | 16 1 | 12 1 | 20 31 | 20 19 | 18 47 | 2 23 | 4 39 |
| T 3 | 17 7 | 9 2 | 2 41 | 7 54 | 3 49 | 18 22 | 4 57 | 9 37 | 1 6 | 9 41 | 0 50 | 0 13 | 2 9 | 23 19 | 0 4 | 17 43 | 1 41 | 16 0 | 12 1 | 20 30 | 20 18 | 18 45 | 2 22 | 4 39 |
| F 4 | 16 51 | 14 21 | 1 36 | 7 46 | 4 2 | 18 23 | 4 55 | 9 22 | 1 5 | 9 36 | 0 50 | 0 15 | 2 9 | 23 19 | 0 4 | 17 43 | 1 41 | 16 0 | 12 1 | 20 30 | 20 18 | 18 43 | 2 22 | 4 39 |
| S 5 | 16 35 | 18 51 | 0 29 | 7 41 | 4 13 | 18 25 | 4 53 | 9 8 | 1 5 | 9 31 | 0 50 | 0 17 | 2 9 | 23 19 | 0 4 | 17 43 | 1 41 | 15 59 | 12 1 | 20 30 | 20 17 | 18 41 | 2 21 | 4 39 |
| S 6 | 16 18 | 22 22 | 0n38 | 7 38 | 4 24 | 18 27 | 4 51 | 8 54 | 1 5 | 9 27 | 0 50 | 0 20 | 2 9 | 23 19 | 0 4 | 17 43 | 1 41 | 15 58 | 12 1 | 20 30 | 20 17 | 18 39 | 2 20 | 4 39 |
| M 7 | 16 2 | 24 45 | 1 42 | 7 38 | 4 34 | 18 28 | 4 48 | 8 39 | 1 4 | 9 22 | 0 50 | 0 22 | 2 8 | 23 19 | 0 4 | 17 43 | 1 41 | 15 57 | 12 0 | 20 30 | 20 16 | 18 37 | 2 20 | 4 40 |
| T 8 | 15 45 | 25 55 | 2 40 | 7 40 | 4 42 | 18 30 | 4 45 | 8 25 | 1 4 | 9 17 | 0 50 | 0 24 | 2 8 | 23 19 | 0 4 | 17 43 | 1 41 | 15 56 | 12 0 | 20 29 | 20 15 | 18 34 | 2 19 | 4 40 |
| W 9 | 15 27 | 25 50 | 3 29 | 7 44 | 4 49 | 18 31 | 4 42 | 8 10 | 1 3 | 9 13 | 0 50 | 0 27 | 2 8 | 23 19 | 0 4 | 17 43 | 1 41 | 15 55 | 12 0 | 20 28 | 20 15 | 18 32 | 2 18 | 4 40 |
| T 10 | 15 10 | 24 33 | 4 10 | 7 51 | 4 55 | 18 33 | 4 39 | 7 56 | 1 3 | 9 8 | 0 50 | 0 29 | 2 8 | 23 19 | 0 4 | 17 43 | 1 41 | 15 55 | 12 0 | 20 26 | 20 14 | 18 30 | 2 17 | 4 40 |
| F 11 | 14 52 | 22 10 | 4 39 | 8 0 | 4 59 | 18 34 | 4 36 | 7 41 | 1 3 | 9 3 | 0 50 | 0 32 | 2 8 | 23 20 | 0 4 | 17 43 | 1 41 | 15 54 | 12 0 | 20 23 | 20 13 | 18 28 | 2 17 | 4 40 |
| S 12 | 14 34 | 18 52 | 4 56 | 8 11 | 5 2 | 18 35 | 4 33 | 7 26 | 1 2 | 8 59 | 0 50 | 0 34 | 2 8 | 23 20 | 0 4 | 17 43 | 1 41 | 15 53 | 12 0 | 20 21 | 20 13 | 18 26 | 2 16 | 4 40 |
| S 13 | 14 16 | 14 48 | 4 59 | 8 25 | 5 3 | 18 36 | 4 30 | 7 11 | 1 2 | 8 54 | 0 50 | 0 37 | 2 8 | 23 20 | 0 4 | 17 44 | 1 41 | 15 52 | 12 0 | 20 18 | 20 12 | 18 24 | 2 15 | 4 40 |
| M14 | 13 57 | 10 10 | 4 50 | 8 40 | 5 2 | 18 37 | 4 26 | 6 57 | 1 2 | 8 49 | 0 50 | 0 39 | 2 8 | 23 20 | 0 4 | 17 44 | 1 41 | 15 51 | 12 0 | 20 15 | 20 11 | 18 22 | 2 14 | 4 40 |
| T 15 | 13 39 | 5 9 | 4 29 | 8 57 | 4 59 | 18 38 | 4 22 | 6 42 | 1 1 | 8 44 | 0 50 | 0 42 | 2 8 | 23 20 | 0 4 | 17 44 | 1 40 | 15 51 | 12 0 | 20 13 | 20 11 | 18 19 | 2 13 | 4 40 |
| W16 | 13 20 | 0s 6 | 3 55 | 9 15 | 4 55 | 18 39 | 4 19 | 6 27 | 1 1 | 8 39 | 0 50 | 0 44 | 2 7 | 23 20 | 0 4 | 17 44 | 1 40 | 15 50 | 12 0 | 20 11 | 20 10 | 18 17 | 2 12 | 4 40 |
| T 17 | 13 1 | 5 25 | 3 10 | 9 35 | 4 48 | 18 39 | 4 15 | 6 12 | 1 1 | 8 35 | 0 50 | 0 47 | 2 7 | 23 20 | 0 4 | 17 44 | 1 40 | 15 49 | 11 59 | 20 10 | 20 9 | 18 15 | 2 12 | 4 40 |
| F 18 | 12 41 | 10 38 | 2 15 | 9 55 | 4 41 | 18 39 | 4 11 | 5 57 | 1 0 | 8 30 | 0 50 | 0 49 | 2 7 | 23 20 | 0 4 | 17 44 | 1 40 | 15 48 | 11 59 | 20 9 | 20 9 | 18 13 | 2 11 | 4 41 |
| S 19 | 12 22 | 15 31 | 1 13 | 10 15 | 4 31 | 18 39 | 4 7 | 5 42 | 1 0 | 8 25 | 0 50 | 0 52 | 2 7 | 23 20 | 0 4 | 17 44 | 1 40 | 15 47 | 11 59 | 20 9 | 20 8 | 18 11 | 2 10 | 4 41 |
| S 20 | 12 2 | 19 50 | 0 6 | 10 36 | 4 20 | 18 38 | 4 3 | 5 27 | 0 59 | 8 20 | 0 51 | 0 54 | 2 7 | 23 20 | 0 4 | 17 44 | 1 40 | 15 47 | 11 59 | 20 9 | 20 7 | 18 9 | 2 9 | 4 41 |
| M21 | 11 42 | 23 16 | 1s 4 | 10 57 | 4 7 | 18 37 | 3 58 | 5 12 | 0 59 | 8 15 | 0 51 | 0 57 | 2 7 | 23 20 | 0 4 | 17 45 | 1 40 | 15 46 | 11 59 | 20 9 | 20 7 | 18 6 | 2 8 | 4 41 |
| T 22 | 11 22 | 25 29 | 2 13 | 11 17 | 3 54 | 18 36 | 3 54 | 4 57 | 0 59 | 8 10 | 0 51 | 1 0 | 2 7 | 23 20 | 0 4 | 17 45 | 1 40 | 15 45 | 11 59 | 20 8 | 20 6 | 18 4 | 2 7 | 4 41 |
| W23 | 11 2 | 26 8 | 3 15 | 11 36 | 3 39 | 18 35 | 3 50 | 4 42 | 0 58 | 8 5 | 0 51 | 1 2 | 2 7 | 23 20 | 0 4 | 17 45 | 1 40 | 15 44 | 11 59 | 20 8 | 20 5 | 18 2 | 2 6 | 4 41 |
| T 24 | 10 42 | 25 0 | 4 7 | 11 55 | 3 23 | 18 33 | 3 45 | 4 27 | 0 58 | 8 1 | 0 51 | 1 5 | 2 7 | 23 20 | 0 4 | 17 45 | 1 40 | 15 43 | 11 59 | 20 6 | 20 5 | 18 0 | 2 5 | 4 41 |
| F 25 | 10 21 | 22 5 | 4 43 | 12 12 | 3 7 | 18 31 | 3 41 | 4 11 | 0 58 | 7 56 | 0 51 | 1 7 | 2 7 | 23 21 | 0 4 | 17 45 | 1 40 | 15 43 | 11 59 | 20 5 | 20 4 | 17 58 | 2 4 | 4 41 |
| S 26 | 10 0 | 17 36 | 4 59 | 12 27 | 2 50 | 18 29 | 3 36 | 3 56 | 0 57 | 7 51 | 0 51 | 1 10 | 2 6 | 23 21 | 0 4 | 17 45 | 1 40 | 15 42 | 11 59 | 20 3 | 20 3 | 17 55 | 2 3 | 4 41 |
| S 27 | 9 39 | 11 57 | 4 55 | 12 41 | 2 33 | 18 26 | 3 31 | 3 41 | 0 57 | 7 46 | 0 51 | 1 13 | 2 6 | 23 21 | 0 4 | 17 46 | 1 40 | 15 41 | 11 59 | 20 0 | 20 3 | 17 53 | 2 2 | 4 41 |
| M28 | 9 18 | 5 38 | 4 29 | 12 53 | 2 16 | 18 23 | 3 27 | 3 26 | 0 56 | 7 41 | 0 51 | 1 16 | 2 6 | 23 21 | 0 4 | 17 46 | 1 40 | 15 40 | 11 59 | 19 58 | 20 2 | 17 51 | 2 1 | 4 41 |
| T 29 | 8 57 | 0n53 | 3 46 | 13 3 | 1 58 | 18 20 | 3 22 | 3 10 | 0 56 | 7 36 | 0 51 | 1 18 | 2 6 | 23 21 | 0 4 | 17 46 | 1 40 | 15 39 | 11 59 | 19 56 | 20 1 | 17 49 | 2 0 | 4 41 |
| W30 | 8 36 | 7 11 | 2 49 | 13 10 | 1 41 | 18 16 | 3 17 | 2 55 | 0 56 | 7 31 | 0 51 | 1 21 | 2 6 | 23 21 | 0 4 | 17 46 | 1 40 | 15 39 | 11 59 | 19 55 | 20 1 | 17 47 | 1 59 | 4 41 |
| T 31 | 8n14 | 12n56 | 1s43 | 13n15 | 1s23 | 18n12 | 3s12 | 2n40 | 0n55 | 7n26 | 0n51 | 1s24 | 2n 6 | 23n21 | 0n 4 | 17s46 | 1n40 | 15n38 | 11n59 | 19n54 | 20n 0 | 17n44 | 1n58 | 4n41 |

Julian Day Number = 2799468.5, Delta T = 49m51s
Ecliptic obliquity = 23°19'01, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°04'27, Lahiri = 37°11'27


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# ASTRODIENST EPHEMERIS for the year 2952
# geocentric

## SEPTEMBER 2952 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 22 43 48 | 9♍43'47 | 22♉55 | 21♌17 | 24♋ 1 | 26♍ 2 | 13♍12 | 8♎33 | 26♊54 | 27♏ 1 | 18♍18 | 29°R20 | 29♉44 | 25♌45 | 24°R 2 | F 1 |
| S 2 | 22 47 45 | 10°41'29 | 5♊56 | 22° 8 | 24°58 | 26°40 | 13°25 | 8°40 | 26°56 | 27° 2 | 18°20 | 29♉20 | 29°40 | 25°52 | 23♓59 | S 2 |
| S 3 | 22 51 41 | 11°39'13 | 18°34 | 23° 6 | 25°56 | 27°18 | 13°38 | 8°47 | 26°57 | 27° 3 | 18°22 | 29°19 | 29°37 | 25°58 | 23°56 | S 3 |
| M 4 | 22 55 38 | 12°36'59 | 0♋55 | 24°10 | 26°54 | 27°56 | 13°51 | 8°54 | 26°59 | 27° 4 | 18°24 | 29°18 | 29°34 | 26° 5 | 23°53 | M 4 |
| T 5 | 22 59 34 | 13°34'47 | 13° 2 | 25°21 | 27°52 | 28°34 | 14° 4 | 9° 1 | 27° 0 | 27° 5 | 18°26 | 29°15 | 29°31 | 26°12 | 23°50 | T 5 |
| W 6 | 23 3 31 | 14°32'36 | 25° 0 | 26°38 | 28°51 | 29°13 | 14°17 | 9° 8 | 27° 1 | 27° 6 | 18°28 | 29° 9 | 29°28 | 26°18 | 23°48 | W 6 |
| T 7 | 23 7 28 | 15°30'26 | 6♌53 | 28° 0 | 29°51 | 29°51 | 14°31 | 9°15 | 27° 3 | 27° 7 | 18°30 | 29° 0 | 29°25 | 26°25 | 23°45 | T 7 |
| F 8 | 23 11 24 | 16°28'18 | 18°44 | 29°27 | 0♌50 | 0♎29 | 14°44 | 9°22 | 27° 4 | 27° 8 | 18°32 | 28°49 | 29°21 | 26°32 | 23°42 | F 8 |
| S 9 | 23 15 21 | 17°26'11 | 0♍36 | 0♍59 | 1°50 | 1° 7 | 14°57 | 9°29 | 27° 5 | 27° 9 | 18°34 | 28°37 | 29°18 | 26°39 | 23°39 | S 9 |
| S 10 | 23 19 17 | 18°24'06 | 12°31 | 2°36 | 2°51 | 1°45 | 15°10 | 9°36 | 27° 6 | 27°10 | 18°36 | 28°24 | 29°15 | 26°45 | 23°36 | S 10 |
| M11 | 23 23 14 | 19°22'03 | 24°29 | 4°17 | 3°52 | 2°23 | 15°23 | 9°43 | 27° 7 | 27°11 | 18°38 | 28°11 | 29°12 | 26°52 | 23°33 | M11 |
| T 12 | 23 27 10 | 20°20'01 | 6♎32 | 6° 1 | 4°53 | 3° 1 | 15°36 | 9°50 | 27° 8 | 27°12 | 18°40 | 28° 0 | 29° 9 | 26°59 | 23°30 | T 12 |
| W13 | 23 31 7 | 21°18'00 | 18°42 | 7°48 | 5°54 | 3°40 | 15°49 | 9°58 | 27° 9 | 27°13 | 18°42 | 27°52 | 29° 5 | 27° 6 | 23°28 | W13 |
| T 14 | 23 35 3 | 22°16'01 | 1♏ 0 | 9°37 | 6°56 | 4°18 | 16° 2 | 10° 5 | 27°10 | 27°14 | 18°44 | 27°46 | 29° 2 | 27°12 | 23°25 | T 14 |
| F 15 | 23 39 0 | 23°14'03 | 13°28 | 11°29 | 7°58 | 4°56 | 16°15 | 10°12 | 27°11 | 27°15 | 18°46 | 27°43 | 28°59 | 27°19 | 23°22 | F 15 |
| S 16 | 23 42 56 | 24°12'06 | 26° 9 | 13°22 | 9° 1 | 5°35 | 16°28 | 10°19 | 27°12 | 27°17 | 18°48 | 27°D42 | 28°56 | 27°26 | 23°19 | S 16 |
| S 17 | 23 46 53 | 25°10'11 | 9♐ 6 | 15°17 | 10° 3 | 6°13 | 16°41 | 10°27 | 27°13 | 27°18 | 18°50 | 27°42 | 28°53 | 27°32 | 23°16 | S 17 |
| M18 | 23 50 50 | 26° 8'18 | 22°23 | 17°12 | 11° 6 | 6°51 | 16°54 | 10°34 | 27°13 | 27°19 | 18°52 | 27°R43 | 28°50 | 27°39 | 23°13 | M18 |
| T 19 | 23 54 46 | 27° 6'25 | 6♑ 2 | 19° 8 | 12°10 | 7°30 | 17° 7 | 10°41 | 27°14 | 27°20 | 18°54 | 27°42 | 28°46 | 27°46 | 23°10 | T 19 |
| W20 | 23 58 43 | 28° 4'34 | 20° 4 | 21° 5 | 13°13 | 8° 8 | 17°20 | 10°49 | 27°15 | 27°22 | 18°56 | 27°40 | 28°43 | 27°53 | 23° 7 | W20 |
| T 21 | 0 2 39 | 29° 2'44 | 4♒30 | 23° 1 | 14°17 | 8°46 | 17°33 | 10°56 | 27°15 | 27°23 | 18°58 | 27°36 | 28°40 | 27°59 | 23° 5 | T 21 |
| F 22 | 0 6 36 | 0♎ 0'56 | 19°16 | 24°57 | 15°21 | 9°25 | 17°46 | 11° 3 | 27°16 | 27°24 | 19° 0 | 27°30 | 28°37 | 28° 6 | 23° 2 | F 22 |
| S 23 | 0 10 32 | 0°59'09 | 4♓17 | 26°53 | 16°25 | 10° 3 | 17°59 | 11°11 | 27°16 | 27°26 | 19° 2 | 27°22 | 28°34 | 28°13 | 22°59 | S 23 |
| S 24 | 0 14 29 | 1°57'24 | 19°24 | 28°48 | 17°30 | 10°42 | 18°12 | 11°18 | 27°17 | 27°27 | 19° 4 | 27°14 | 28°31 | 28°19 | 22°56 | S 24 |
| M25 | 0 18 25 | 2°55'40 | 4♈27 | 0♎43 | 18°35 | 11°20 | 18°25 | 11°26 | 27°17 | 27°29 | 19° 6 | 27° 6 | 28°27 | 28°26 | 22°53 | M25 |
| T 26 | 0 22 22 | 3°53'58 | 19°16 | 2°37 | 19°40 | 11°59 | 18°37 | 11°33 | 27°18 | 27°30 | 19° 8 | 26°59 | 28°24 | 28°33 | 22°50 | T 26 |
| W27 | 0 26 19 | 4°52'18 | 3♉43 | 4°30 | 20°45 | 12°37 | 18°50 | 11°41 | 27°18 | 27°32 | 19°10 | 26°55 | 28°21 | 28°40 | 22°48 | W27 |
| T 28 | 0 30 15 | 5°50'40 | 17°45 | 6°22 | 21°51 | 13°16 | 19° 3 | 11°48 | 27°18 | 27°33 | 19°12 | 26°53 | 28°18 | 28°46 | 22°45 | T 28 |
| F 29 | 0 34 12 | 6°49'03 | 1♊18 | 8°13 | 22°57 | 13°54 | 19°16 | 11°55 | 27°18 | 27°35 | 19°14 | 26°D52 | 28°15 | 28°53 | 22°42 | F 29 |
| S 30 | 0 38 8 | 7♎47'29 | 14♊24 | 10♎ 3 | 24♌ 3 | 14♎33 | 19♍29 | 12♎ 3 | 27♊18 | 27♏36 | 19♍16 | 26♉53 | 28♉11 | 29♌ 0 | 22♓39 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7n53 | 17n52 | 0s34 | 13n17 | 1s 7 | 18n 7 | 3s 7 | 2n24 | 0n55 | 7n21 | 0n51 | 1s26 | 2n 6 | 23n21 | 0n 4 | 17s47 | 1n40 | 15n37 | 11n59 | 19n54 | 19n59 | 17n42 | 1n57 | 4n41 |
| S 2 | 7 31 | 21 46 | 0n35 | 13 16 | 0 50 | 18 2 | 3 2 | 2 9 | 0 54 | 7 16 | 0 51 | 1 29 | 2 6 | 23 21 | 0 4 | 17 47 | 1 39 | 15 36 | 11 59 | 19 54 | 19 59 | 17 40 | 1 56 | 4 41 |
| S 3 | 7 9 | 24 29 | 1 40 | 13 13 | 0 34 | 17 57 | 2 58 | 1 54 | 0 54 | 7 11 | 0 51 | 1 32 | 2 6 | 23 21 | 0 4 | 17 47 | 1 39 | 15 36 | 11 59 | 19 54 | 19 58 | 17 38 | 1 54 | 4 41 |
| M 4 | 6 48 | 25 58 | 2 39 | 13 6 | 0 19 | 17 51 | 2 53 | 1 38 | 0 54 | 7 6 | 0 51 | 1 35 | 2 6 | 23 21 | 0 4 | 17 47 | 1 39 | 15 35 | 11 59 | 19 54 | 19 57 | 17 35 | 1 53 | 4 41 |
| T 5 | 6 25 | 26 9 | 3 29 | 12 57 | 0 4 | 17 45 | 2 48 | 1 23 | 0 53 | 7 1 | 0 51 | 1 37 | 2 6 | 23 21 | 0 4 | 17 48 | 1 39 | 15 34 | 11 59 | 19 53 | 19 57 | 17 33 | 1 52 | 4 41 |
| W 6 | 6 3 | 25 7 | 4 10 | 12 44 | 0n10 | 17 38 | 2 43 | 1 7 | 0 53 | 6 56 | 0 51 | 1 40 | 2 6 | 23 21 | 0 4 | 17 48 | 1 39 | 15 33 | 11 59 | 19 52 | 19 56 | 17 31 | 1 51 | 4 41 |
| T 7 | 5 41 | 22 57 | 4 39 | 12 29 | 0 23 | 17 31 | 2 38 | 0 52 | 0 52 | 6 51 | 0 51 | 1 43 | 2 6 | 23 21 | 0 4 | 17 48 | 1 39 | 15 32 | 11 59 | 19 50 | 19 55 | 17 29 | 1 50 | 4 41 |
| F 8 | 5 19 | 19 49 | 4 56 | 12 10 | 0 36 | 17 23 | 2 32 | 0 36 | 0 52 | 6 46 | 0 51 | 1 46 | 2 6 | 23 21 | 0 4 | 17 48 | 1 39 | 15 32 | 11 59 | 19 48 | 19 55 | 17 26 | 1 49 | 4 41 |
| S 9 | 4 56 | 15 53 | 5 1 | 11 48 | 0 47 | 17 15 | 2 27 | 0 21 | 0 52 | 6 41 | 0 51 | 1 49 | 2 6 | 23 21 | 0 4 | 17 49 | 1 39 | 15 31 | 11 59 | 19 45 | 19 54 | 17 24 | 1 48 | 4 41 |
| S 10 | 4 34 | 11 20 | 4 52 | 11 23 | 0 57 | 17 7 | 2 22 | 0 5 | 0 51 | 6 36 | 0 51 | 1 52 | 2 6 | 23 21 | 0 4 | 17 49 | 1 39 | 15 30 | 11 59 | 19 42 | 19 53 | 17 22 | 1 46 | 4 41 |
| M11 | 4 11 | 6 19 | 4 30 | 10 56 | 1 7 | 16 58 | 2 17 | 0s10 | 0 51 | 6 32 | 0 51 | 1 54 | 2 5 | 23 21 | 0 4 | 17 49 | 1 39 | 15 30 | 11 59 | 19 39 | 19 53 | 17 19 | 1 45 | 4 41 |
| T 12 | 3 49 | 1 3 | 3 57 | 10 25 | 1 15 | 16 48 | 2 12 | 0 25 | 0 50 | 6 27 | 0 52 | 1 57 | 2 5 | 23 21 | 0 4 | 17 50 | 1 39 | 15 29 | 12 0 | 19 37 | 19 52 | 17 17 | 1 44 | 4 41 |
| W13 | 3 26 | 4s20 | 3 12 | 9 53 | 1 22 | 16 39 | 2 7 | 0 41 | 0 50 | 6 22 | 0 52 | 2 0 | 2 5 | 23 21 | 0 4 | 17 50 | 1 39 | 15 28 | 12 0 | 19 35 | 19 51 | 17 15 | 1 43 | 4 41 |
| T 14 | 3 3 | 9 37 | 2 17 | 9 18 | 1 29 | 16 28 | 2 2 | 0 56 | 0 50 | 6 17 | 0 52 | 2 3 | 2 5 | 23 21 | 0 4 | 17 50 | 1 39 | 15 27 | 12 0 | 19 34 | 19 51 | 17 13 | 1 42 | 4 40 |
| F 15 | 2 40 | 14 36 | 1 15 | 8 40 | 1 34 | 16 18 | 1 57 | 1 12 | 0 49 | 6 12 | 0 52 | 2 6 | 2 5 | 23 21 | 0 4 | 17 51 | 1 39 | 15 27 | 12 0 | 19 33 | 19 50 | 17 10 | 1 40 | 4 40 |
| S 16 | 2 18 | 19 4 | 0 8 | 8 1 | 1 38 | 16 7 | 1 52 | 1 27 | 0 49 | 6 7 | 0 52 | 2 9 | 2 5 | 23 21 | 0 4 | 17 51 | 1 39 | 15 26 | 12 0 | 19 33 | 19 49 | 17 8 | 1 39 | 4 40 |
| S 17 | 1 55 | 22 42 | 1s 1 | 7 20 | 1 42 | 15 55 | 1 47 | 1 43 | 0 48 | 6 2 | 0 52 | 2 12 | 2 5 | 23 21 | 0 4 | 17 51 | 1 39 | 15 25 | 12 0 | 19 33 | 19 48 | 17 6 | 1 38 | 4 40 |
| M18 | 1 32 | 25 14 | 2 8 | 6 38 | 1 44 | 15 43 | 1 42 | 1 58 | 0 48 | 5 57 | 0 52 | 2 14 | 2 5 | 23 22 | 0 4 | 17 52 | 1 39 | 15 25 | 12 0 | 19 33 | 19 48 | 17 3 | 1 37 | 4 40 |
| T 19 | 1 9 | 26 20 | 3 10 | 5 54 | 1 46 | 15 31 | 1 37 | 2 14 | 0 48 | 5 52 | 0 52 | 2 17 | 2 5 | 23 22 | 0 4 | 17 52 | 1 39 | 15 24 | 12 0 | 19 33 | 19 47 | 17 1 | 1 36 | 4 40 |
| W20 | 0 46 | 25 49 | 4 2 | 5 10 | 1 47 | 15 18 | 1 32 | 2 29 | 0 47 | 5 47 | 0 52 | 2 20 | 2 5 | 23 22 | 0 4 | 17 52 | 1 39 | 15 23 | 12 0 | 19 32 | 19 46 | 16 59 | 1 34 | 4 40 |
| T 21 | 0 23 | 23 35 | 4 41 | 4 24 | 1 47 | 15 5 | 1 27 | 2 45 | 0 47 | 5 42 | 0 52 | 2 23 | 2 5 | 23 22 | 0 4 | 17 53 | 1 38 | 15 22 | 12 0 | 19 31 | 19 46 | 16 56 | 1 33 | 4 40 |
| F 22 | 0s 0 | 19 44 | 5 2 | 3 38 | 1 47 | 14 51 | 1 22 | 3 0 | 0 46 | 5 37 | 0 52 | 2 26 | 2 5 | 23 22 | 0 4 | 17 53 | 1 38 | 15 22 | 12 1 | 19 30 | 19 45 | 16 54 | 1 32 | 4 40 |
| S 23 | 0 23 | 14 35 | 5 3 | 2 51 | 1 45 | 14 37 | 1 17 | 3 16 | 0 46 | 5 32 | 0 52 | 2 29 | 2 5 | 23 22 | 0 4 | 17 53 | 1 38 | 15 21 | 12 1 | 19 28 | 19 44 | 16 52 | 1 31 | 4 40 |
| S 24 | 0 46 | 8 31 | 4 43 | 2 3 | 1 43 | 14 22 | 1 12 | 3 31 | 0 45 | 5 27 | 0 52 | 2 32 | 2 5 | 23 22 | 0 4 | 17 54 | 1 38 | 15 20 | 12 1 | 19 26 | 19 44 | 16 49 | 1 30 | 4 39 |
| M25 | 1 10 | 1 58 | 4 3 | 1 16 | 1 41 | 14 7 | 1 7 | 3 46 | 0 45 | 5 22 | 0 52 | 2 35 | 2 5 | 23 22 | 0 4 | 17 54 | 1 38 | 15 20 | 12 1 | 19 25 | 19 43 | 16 47 | 1 28 | 4 39 |
| T 26 | 1 33 | 4n36 | 3 8 | 0 28 | 1 38 | 13 51 | 1 2 | 4 2 | 0 45 | 5 17 | 0 53 | 2 37 | 2 5 | 23 22 | 0 4 | 17 54 | 1 38 | 15 19 | 12 1 | 19 23 | 19 42 | 16 44 | 1 27 | 4 39 |
| W27 | 1 56 | 10 48 | 2 1 | 0s20 | 1 35 | 13 36 | 0 57 | 4 17 | 0 44 | 5 12 | 0 53 | 2 40 | 2 5 | 23 22 | 0 4 | 17 55 | 1 38 | 15 19 | 12 1 | 19 22 | 19 41 | 16 42 | 1 26 | 4 39 |
| T 28 | 2 19 | 16 15 | 0 49 | 1 8 | 1 31 | 13 19 | 0 53 | 4 32 | 0 44 | 5 7 | 0 53 | 2 43 | 2 5 | 23 22 | 0 4 | 17 55 | 1 38 | 15 18 | 12 1 | 19 22 | 19 41 | 16 40 | 1 25 | 4 39 |
| F 29 | 2 42 | 20 42 | 0n24 | 1 55 | 1 26 | 13 3 | 0 48 | 4 48 | 0 43 | 5 2 | 0 53 | 2 46 | 2 5 | 23 22 | 0 4 | 17 56 | 1 38 | 15 17 | 12 2 | 19 22 | 19 40 | 16 37 | 1 23 | 4 39 |
| S 30 | 3s 5 | 23n57 | 1n33 | 2s43 | 1n22 | 12n45 | 0s43 | 5s 3 | 0n43 | 4n57 | 0n53 | 2s49 | 2n 5 | 23n22 | 0n 4 | 17s56 | 1n38 | 15n17 | 12n 2 | 19n22 | 19n39 | 16n35 | 1n22 | 4n39 |

Julian Day Number = 2799499.5, Delta T = 49m52s
Ecliptic obliquity = 23°19'02, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°04'31, Lahiri = 37°11'31


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## OCTOBER 2952 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 42 5 | 8♎45'57 | 27♊ 7 | 11♎52 | 25♌ 9 | 15♎12 | 19♍41 | 12♎10 | 27♊18 | 27♏38 | 19♍18 | 26♉54 | 28♉ 8 | 29♌ 7 | 22°R37 | S 1 |
| M 2 | 0 46 1 | 9°44'28 | 9♋30 | 13°40 | 26°16 | 15°50 | 19°54 | 12°18 | 27°R18 | 27°40 | 19°20 | 26°R55 | 28° 5 | 29°13 | 22♓34 | M 2 |
| T 3 | 0 49 58 | 10°43'00 | 21°38 | 15°27 | 27°22 | 16°29 | 20° 7 | 12°25 | 27°18 | 27°41 | 19°22 | 26°54 | 28° 2 | 29°20 | 22°31 | T 3 |
| W 4 | 0 53 54 | 11°41'34 | 3♌36 | 17°13 | 28°29 | 17° 8 | 20°19 | 12°33 | 27°18 | 27°43 | 19°24 | 26°52 | 27°59 | 29°27 | 22°28 | W 4 |
| T 5 | 0 57 51 | 12°40'11 | 15°29 | 18°58 | 29°36 | 17°47 | 20°32 | 12°40 | 27°18 | 27°45 | 19°26 | 26°47 | 27°56 | 29°33 | 22°26 | T 5 |
| F 6 | 1 1 48 | 13°38'49 | 27°21 | 20°42 | 0♍43 | 18°25 | 20°44 | 12°48 | 27°18 | 27°46 | 19°27 | 26°41 | 27°52 | 29°40 | 22°23 | F 6 |
| S 7 | 1 5 44 | 14°37'30 | 9♍14 | 22°25 | 1°51 | 19° 4 | 20°57 | 12°55 | 27°18 | 27°48 | 19°29 | 26°34 | 27°49 | 29°47 | 22°21 | S 7 |
| S 8 | 1 9 41 | 15°36'12 | 21°13 | 24° 7 | 2°59 | 19°43 | 21° 9 | 13° 3 | 27°18 | 27°50 | 19°31 | 26°26 | 27°46 | 29°54 | 22°18 | S 8 |
| M 9 | 1 13 37 | 16°34'57 | 3♎18 | 25°48 | 4° 6 | 20°22 | 21°22 | 13°10 | 27°17 | 27°52 | 19°33 | 26°18 | 27°43 | 0♍ 0 | 22°15 | M 9 |
| T 10 | 1 17 34 | 17°33'43 | 15°32 | 27°29 | 5°14 | 21° 1 | 21°34 | 13°18 | 27°17 | 27°53 | 19°35 | 26°12 | 27°40 | 0° 7 | 22°13 | T 10 |
| W11 | 1 21 30 | 18°32'32 | 27°55 | 29° 8 | 6°23 | 21°40 | 21°46 | 13°25 | 27°16 | 27°55 | 19°37 | 26° 7 | 27°37 | 0°14 | 22°10 | W11 |
| T 12 | 1 25 27 | 19°31'22 | 10♏28 | 0♏46 | 7°31 | 22°19 | 21°59 | 13°33 | 27°16 | 27°57 | 19°39 | 26° 4 | 27°33 | 0°20 | 22° 8 | T 12 |
| F 13 | 1 29 23 | 20°30'14 | 23°13 | 2°23 | 8°40 | 22°58 | 22°11 | 13°40 | 27°15 | 27°59 | 19°40 | 26°D 3 | 27°30 | 0°27 | 22° 6 | F 13 |
| S 14 | 1 33 20 | 21°29'09 | 6♐ 9 | 4° 0 | 9°48 | 23°37 | 22°23 | 13°48 | 27°15 | 28° 1 | 19°42 | 26° 3 | 27°27 | 0°34 | 22° 3 | S 14 |
| S 15 | 1 37 17 | 22°28'05 | 19°19 | 5°35 | 10°57 | 24°16 | 22°35 | 13°55 | 27°14 | 28° 3 | 19°44 | 26° 5 | 27°24 | 0°41 | 22° 1 | S 15 |
| M16 | 1 41 13 | 23°27'02 | 2♑44 | 7°10 | 12° 6 | 24°55 | 22°47 | 14° 3 | 27°13 | 28° 5 | 19°46 | 26° 6 | 27°21 | 0°47 | 21°58 | M16 |
| T 17 | 1 45 10 | 24°26'02 | 16°25 | 8°44 | 13°15 | 25°34 | 22°59 | 14°10 | 27°13 | 28° 7 | 19°47 | 26° 7 | 27°17 | 0°54 | 21°56 | T 17 |
| W18 | 1 49 6 | 25°25'03 | 0♒22 | 10°17 | 14°24 | 26°13 | 23°11 | 14°17 | 27°12 | 28° 8 | 19°49 | 26°R 7 | 27°14 | 1° 1 | 21°54 | W18 |
| T 19 | 1 53 3 | 26°24'06 | 14°35 | 11°49 | 15°34 | 26°52 | 23°23 | 14°25 | 27°11 | 28°10 | 19°51 | 26° 6 | 27°11 | 1° 8 | 21°52 | T 19 |
| F 20 | 1 56 59 | 27°23'10 | 29° 2 | 13°21 | 16°44 | 27°32 | 23°35 | 14°32 | 27°10 | 28°12 | 19°53 | 26° 4 | 27° 8 | 1°14 | 21°49 | F 20 |
| S 21 | 2 0 56 | 28°22'16 | 13♓39 | 14°51 | 17°53 | 28°11 | 23°47 | 14°39 | 27° 9 | 28°14 | 19°54 | 26° 0 | 27° 5 | 1°21 | 21°47 | S 21 |
| S 22 | 2 4 52 | 29°21'23 | 28°21 | 16°21 | 19° 3 | 28°50 | 23°59 | 14°47 | 27° 8 | 28°16 | 19°56 | 25°56 | 27° 2 | 1°28 | 21°45 | S 22 |
| M23 | 2 8 49 | 0♏20'33 | 13♈ 1 | 17°50 | 20°13 | 29°29 | 24°11 | 14°54 | 27° 7 | 28°18 | 19°57 | 25°53 | 26°58 | 1°34 | 21°43 | M23 |
| T 24 | 2 12 46 | 1°19'44 | 27°31 | 19°18 | 21°23 | 0♏ 9 | 24°22 | 15° 1 | 27° 6 | 28°20 | 19°59 | 25°50 | 26°55 | 1°41 | 21°41 | T 24 |
| W25 | 2 16 42 | 2°18'58 | 11♉46 | 20°46 | 22°33 | 0°48 | 24°34 | 15° 9 | 27° 5 | 28°22 | 20° 1 | 25°48 | 26°52 | 1°48 | 21°39 | W25 |
| T 26 | 2 20 39 | 3°18'13 | 25°41 | 22°12 | 23°44 | 1°27 | 24°45 | 15°16 | 27° 4 | 28°25 | 20° 2 | 25°D48 | 26°49 | 1°55 | 21°37 | T 26 |
| F 27 | 2 24 35 | 4°17'31 | 9♊12 | 23°38 | 24°54 | 2° 7 | 24°57 | 15°23 | 27° 3 | 28°27 | 20° 4 | 25°48 | 26°46 | 2° 1 | 21°35 | F 27 |
| S 28 | 2 28 32 | 5°16'51 | 22°21 | 25° 3 | 26° 5 | 2°46 | 25° 8 | 15°30 | 27° 1 | 28°29 | 20° 5 | 25°49 | 26°43 | 2° 8 | 21°33 | S 28 |
| S 29 | 2 32 28 | 6°16'13 | 5♋ 6 | 26°27 | 27°16 | 3°26 | 25°20 | 15°38 | 27° 0 | 28°31 | 20° 7 | 25°51 | 26°39 | 2°15 | 21°32 | S 29 |
| M30 | 2 36 25 | 7°15'37 | 17°33 | 27°50 | 28°27 | 4° 5 | 25°31 | 15°45 | 26°59 | 28°33 | 20° 8 | 25°52 | 26°36 | 2°22 | 21°30 | M30 |
| T 31 | 2 40 21 | 8♏15'04 | 29♋44 | 29♏12 | 29♍38 | 4♏45 | 25♍42 | 15♎52 | 26♊57 | 28♏35 | 20♍10 | 25♉53 | 26♉33 | 2♍28 | 21♓28 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3s27 | 25n53 | 2n36 | 3s30 | 1n17 | 12n28 | 0s39 | 5s18 | 0n42 | 4n53 | 0n53 | 2s52 | 2n 5 | 23n22 | 0n 4 | 17s56 | 1n38 | 15n16 | 12n 2 | 19n22 | 19n39 | 16n33 | 1n21 | 4n39 |
| M 2 | 3 50 | 26 27 | 3 29 | 4 16 | 1 11 | 12 10 | 0 34 | 5 33 | 0 42 | 4 48 | 0 53 | 2 55 | 2 5 | 23 22 | 0 4 | 17 57 | 1 38 | 15 16 | 12 2 | 19 22 | 19 38 | 16 30 | 1 20 | 4 38 |
| T 3 | 4 13 | 25 44 | 4 12 | 5 3 | 1 6 | 11 52 | 0 29 | 5 49 | 0 41 | 4 43 | 0 53 | 2 58 | 2 5 | 23 22 | 0 4 | 17 57 | 1 38 | 15 15 | 12 2 | 19 22 | 19 37 | 16 28 | 1 19 | 4 38 |
| W 4 | 4 36 | 23 50 | 4 44 | 5 49 | 1 0 | 11 33 | 0 25 | 6 4 | 0 41 | 4 38 | 0 53 | 3 0 | 2 5 | 23 22 | 0 4 | 17 58 | 1 38 | 15 14 | 12 3 | 19 21 | 19 37 | 16 25 | 1 17 | 4 38 |
| T 5 | 4 59 | 20 55 | 5 2 | 6 34 | 0 54 | 11 14 | 0 20 | 6 19 | 0 41 | 4 33 | 0 53 | 3 3 | 2 5 | 23 22 | 0 4 | 17 58 | 1 38 | 15 14 | 12 3 | 19 20 | 19 36 | 16 23 | 1 16 | 4 38 |
| F 6 | 5 22 | 17 9 | 5 8 | 7 19 | 0 47 | 10 55 | 0 16 | 6 34 | 0 40 | 4 28 | 0 54 | 3 6 | 2 5 | 23 22 | 0 4 | 17 58 | 1 38 | 15 13 | 12 3 | 19 19 | 19 35 | 16 21 | 1 15 | 4 38 |
| S 7 | 5 44 | 12 43 | 5 1 | 8 3 | 0 41 | 10 35 | 0 12 | 6 49 | 0 40 | 4 24 | 0 54 | 3 9 | 2 5 | 23 22 | 0 4 | 17 59 | 1 38 | 15 13 | 12 3 | 19 17 | 19 34 | 16 18 | 1 14 | 4 37 |
| S 8 | 6 7 | 7 46 | 4 40 | 8 47 | 0 34 | 10 15 | 0 7 | 7 4 | 0 39 | 4 19 | 0 54 | 3 12 | 2 5 | 23 22 | 0 4 | 17 59 | 1 38 | 15 12 | 12 3 | 19 15 | 19 34 | 16 16 | 1 13 | 4 37 |
| M 9 | 6 29 | 2 29 | 4 7 | 9 30 | 0 28 | 9 54 | 0 3 | 7 19 | 0 39 | 4 14 | 0 54 | 3 15 | 2 5 | 23 22 | 0 5 | 18 0 | 1 38 | 15 12 | 12 4 | 19 14 | 19 33 | 16 13 | 1 11 | 4 37 |
| T 10 | 6 52 | 2s58 | 3 22 | 10 12 | 0 21 | 9 34 | 0n 1 | 7 34 | 0 38 | 4 9 | 0 54 | 3 18 | 2 6 | 23 22 | 0 5 | 18 0 | 1 38 | 15 11 | 12 4 | 19 12 | 19 32 | 16 11 | 1 10 | 4 37 |
| W11 | 7 14 | 8 23 | 2 27 | 10 54 | 0 14 | 9 12 | 0 5 | 7 49 | 0 38 | 4 5 | 0 54 | 3 20 | 2 6 | 23 22 | 0 5 | 18 1 | 1 38 | 15 11 | 12 4 | 19 11 | 19 32 | 16 9 | 1 9 | 4 37 |
| T 12 | 7 36 | 13 34 | 1 24 | 11 35 | 0 7 | 8 51 | 0 9 | 8 4 | 0 37 | 4 0 | 0 54 | 3 23 | 2 6 | 23 22 | 0 5 | 18 1 | 1 38 | 15 10 | 12 4 | 19 10 | 19 31 | 16 6 | 1 8 | 4 37 |
| F 13 | 7 58 | 18 14 | 0 15 | 12 15 | 0s 0 | 8 29 | 0 13 | 8 19 | 0 37 | 3 55 | 0 54 | 3 26 | 2 6 | 23 22 | 0 5 | 18 1 | 1 38 | 15 10 | 12 5 | 19 10 | 19 30 | 16 4 | 1 7 | 4 36 |
| S 14 | 8 20 | 22 8 | 0s55 | 12 54 | 0 8 | 8 7 | 0 17 | 8 33 | 0 36 | 3 50 | 0 54 | 3 29 | 2 6 | 23 22 | 0 5 | 18 2 | 1 38 | 15 9 | 12 5 | 19 10 | 19 29 | 16 1 | 1 6 | 4 36 |
| S 15 | 8 42 | 24 57 | 2 4 | 13 33 | 0 15 | 7 45 | 0 21 | 8 48 | 0 36 | 3 46 | 0 55 | 3 32 | 2 6 | 23 22 | 0 5 | 18 2 | 1 38 | 15 9 | 12 5 | 19 10 | 19 29 | 15 59 | 1 5 | 4 36 |
| M16 | 9 4 | 26 24 | 3 7 | 14 11 | 0 22 | 7 22 | 0 25 | 9 3 | 0 36 | 3 41 | 0 55 | 3 35 | 2 6 | 23 22 | 0 5 | 18 3 | 1 38 | 15 8 | 12 5 | 19 11 | 19 28 | 15 56 | 1 3 | 4 36 |
| T 17 | 9 25 | 26 18 | 4 1 | 14 48 | 0 29 | 6 59 | 0 29 | 9 17 | 0 35 | 3 36 | 0 55 | 3 37 | 2 6 | 23 22 | 0 5 | 18 3 | 1 37 | 15 8 | 12 6 | 19 11 | 19 27 | 15 54 | 1 2 | 4 35 |
| W18 | 9 47 | 24 33 | 4 42 | 15 24 | 0 36 | 6 36 | 0 32 | 9 32 | 0 35 | 3 32 | 0 55 | 3 40 | 2 6 | 23 22 | 0 5 | 18 4 | 1 37 | 15 7 | 12 6 | 19 11 | 19 27 | 15 51 | 1 1 | 4 35 |
| T 19 | 10 8 | 21 16 | 5 7 | 16 0 | 0 43 | 6 13 | 0 36 | 9 47 | 0 34 | 3 27 | 0 55 | 3 43 | 2 6 | 23 22 | 0 5 | 18 4 | 1 37 | 15 7 | 12 6 | 19 11 | 19 26 | 15 49 | 1 0 | 4 35 |
| F 20 | 10 29 | 16 38 | 5 12 | 16 34 | 0 51 | 5 49 | 0 39 | 10 1 | 0 34 | 3 23 | 0 55 | 3 46 | 2 6 | 23 22 | 0 5 | 18 5 | 1 37 | 15 7 | 12 6 | 19 10 | 19 25 | 15 46 | 0 59 | 4 35 |
| S 21 | 10 50 | 10 59 | 4 58 | 17 8 | 0 58 | 5 25 | 0 43 | 10 15 | 0 33 | 3 18 | 0 55 | 3 48 | 2 6 | 23 22 | 0 5 | 18 5 | 1 37 | 15 6 | 12 7 | 19 9 | 19 24 | 15 44 | 0 58 | 4 34 |
| S 22 | 11 11 | 4 42 | 4 24 | 17 41 | 1 5 | 5 1 | 0 46 | 10 30 | 0 33 | 3 14 | 0 55 | 3 51 | 2 6 | 23 22 | 0 5 | 18 6 | 1 37 | 15 6 | 12 7 | 19 9 | 19 24 | 15 41 | 0 57 | 4 34 |
| M23 | 11 32 | 1n50 | 3 33 | 18 12 | 1 12 | 4 37 | 0 49 | 10 44 | 0 32 | 3 9 | 0 56 | 3 54 | 2 6 | 23 22 | 0 5 | 18 6 | 1 37 | 15 5 | 12 7 | 19 8 | 19 23 | 15 39 | 0 56 | 4 34 |
| T 24 | 11 53 | 8 13 | 2 29 | 18 43 | 1 18 | 4 12 | 0 53 | 10 58 | 0 32 | 3 5 | 0 56 | 3 57 | 2 6 | 23 22 | 0 5 | 18 6 | 1 37 | 15 5 | 12 8 | 19 7 | 19 22 | 15 37 | 0 55 | 4 34 |
| W25 | 12 13 | 14 5 | 1 16 | 19 13 | 1 25 | 3 48 | 0 56 | 11 12 | 0 31 | 3 0 | 0 56 | 3 59 | 2 7 | 23 22 | 0 5 | 18 7 | 1 37 | 15 5 | 12 8 | 19 7 | 19 21 | 15 34 | 0 54 | 4 33 |
| T 26 | 12 33 | 19 4 | 0 1 | 19 42 | 1 32 | 3 23 | 0 59 | 11 26 | 0 31 | 2 56 | 0 56 | 4 2 | 2 7 | 23 22 | 0 5 | 18 7 | 1 37 | 15 4 | 12 8 | 19 6 | 19 21 | 15 32 | 0 53 | 4 33 |
| F 27 | 12 53 | 22 55 | 1n13 | 20 10 | 1 38 | 2 58 | 1 2 | 11 40 | 0 30 | 2 51 | 0 56 | 4 5 | 2 7 | 23 22 | 0 5 | 18 8 | 1 37 | 15 4 | 12 9 | 19 7 | 19 20 | 15 29 | 0 52 | 4 33 |
| S 28 | 13 13 | 25 27 | 2 21 | 20 37 | 1 45 | 2 32 | 1 5 | 11 54 | 0 30 | 2 47 | 0 56 | 4 7 | 2 7 | 23 22 | 0 5 | 18 8 | 1 37 | 15 4 | 12 9 | 19 7 | 19 19 | 15 27 | 0 51 | 4 33 |
| S 29 | 13 33 | 26 33 | 3 20 | 21 3 | 1 51 | 2 7 | 1 7 | 12 8 | 0 29 | 2 43 | 0 56 | 4 10 | 2 7 | 23 22 | 0 5 | 18 9 | 1 37 | 15 3 | 12 9 | 19 7 | 19 19 | 15 24 | 0 50 | 4 32 |
| M30 | 13 52 | 26 16 | 4 8 | 21 28 | 1 57 | 1 41 | 1 10 | 12 22 | 0 29 | 2 38 | 0 57 | 4 13 | 2 7 | 23 22 | 0 5 | 18 9 | 1 37 | 15 3 | 12 10 | 19 8 | 19 18 | 15 21 | 0 49 | 4 32 |
| T 31 | 14s11 | 24n43 | 4n43 | 21s52 | 2s 3 | 1n16 | 1n13 | 12s36 | 0n28 | 2n34 | 0n57 | 4s15 | 2n 7 | 23n22 | 0n 5 | 18s10 | 1n37 | 15n 3 | 12n10 | 19n 8 | 19n17 | 15n19 | 0n48 | 4n32 |

Julian Day Number = 2799529.5, Delta T = 49m52s
Ecliptic obliquity = 23°19'02, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°04'35, Lahiri = 37°11'36


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# ASTRODIENST EPHEMERIS for the year 2952
# geocentric

## NOVEMBER 2952 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 2 44 18 | 9♏14'32 | 11♌44 | 0♐33 | 0♎49 | 5♏24 | 25♍53 | 15♎59 | 26°R56 | 28♏37 | 20♍11 | 25°R53 | 26♉30 | 2♍35 | 21°R26 | W 1 |
| T 2 | 2 48 15 | 10°14'03 | 23°38 | 1°53 | 2° 0 | 6° 4 | 26° 4 | 16° 6 | 26♊55 | 28°39 | 20°13 | 25♉53 | 26°27 | 2°42 | 21♓25 | T 2 |
| F 3 | 2 52 11 | 11°13'36 | 5♍31 | 3°12 | 3°12 | 6°43 | 26°15 | 16°13 | 26°53 | 28°42 | 20°14 | 25°52 | 26°23 | 2°48 | 21°23 | F 3 |
| S 4 | 2 56 8 | 12°13'12 | 17°26 | 4°29 | 4°23 | 7°23 | 26°26 | 16°20 | 26°51 | 28°44 | 20°16 | 25°50 | 26°20 | 2°55 | 21°22 | S 4 |
| S 5 | 3 0 4 | 13°12'49 | 29°28 | 5°46 | 5°35 | 8° 3 | 26°37 | 16°27 | 26°50 | 28°46 | 20°17 | 25°48 | 26°17 | 3° 2 | 21°20 | S 5 |
| M 6 | 3 4 1 | 14°12'29 | 11♎39 | 7° 1 | 6°46 | 8°43 | 26°47 | 16°34 | 26°48 | 28°48 | 20°18 | 25°46 | 26°14 | 3° 9 | 21°19 | M 6 |
| T 7 | 3 7 57 | 15°12'10 | 24° 3 | 8°14 | 7°58 | 9°22 | 26°58 | 16°41 | 26°47 | 28°50 | 20°20 | 25°45 | 26°11 | 3°15 | 21°17 | T 7 |
| W 8 | 3 11 54 | 16°11'54 | 6♏41 | 9°26 | 9°10 | 10° 2 | 27° 9 | 16°48 | 26°45 | 28°52 | 20°21 | 25°44 | 26° 8 | 3°22 | 21°16 | W 8 |
| T 9 | 3 15 50 | 17°11'40 | 19°33 | 10°36 | 10°22 | 10°42 | 27°19 | 16°55 | 26°43 | 28°55 | 20°22 | 25°D43 | 26° 4 | 3°29 | 21°15 | T 9 |
| F 10 | 3 19 47 | 18°11'27 | 2♐39 | 11°44 | 11°34 | 11°22 | 27°30 | 17° 1 | 26°41 | 28°57 | 20°24 | 25°43 | 26° 1 | 3°35 | 21°14 | F 10 |
| S 11 | 3 23 44 | 19°11'17 | 16° 0 | 12°50 | 12°46 | 12° 2 | 27°40 | 17° 8 | 26°39 | 28°59 | 20°25 | 25°43 | 25°58 | 3°42 | 21°12 | S 11 |
| S 12 | 3 27 40 | 20°11'08 | 29°33 | 13°53 | 13°58 | 12°42 | 27°50 | 17°15 | 26°38 | 29° 1 | 20°26 | 25°44 | 25°55 | 3°49 | 21°11 | S 12 |
| M13 | 3 31 37 | 21°11'02 | 13♑18 | 14°54 | 15°11 | 13°22 | 28° 0 | 17°22 | 26°36 | 29° 3 | 20°27 | 25°45 | 25°52 | 3°56 | 21°10 | M13 |
| T 14 | 3 35 33 | 22°10'56 | 27°13 | 15°52 | 16°23 | 14° 2 | 28°10 | 17°28 | 26°34 | 29° 6 | 20°28 | 25°45 | 25°48 | 4° 2 | 21° 9 | T 14 |
| W15 | 3 39 30 | 23°10'53 | 11♒16 | 16°47 | 17°36 | 14°42 | 28°20 | 17°35 | 26°32 | 29° 8 | 20°29 | 25°45 | 25°45 | 4° 9 | 21° 8 | W15 |
| T 16 | 3 43 26 | 24°10'50 | 25°26 | 17°37 | 18°48 | 15°22 | 28°30 | 17°41 | 26°30 | 29°10 | 20°31 | 25°R45 | 25°42 | 4°16 | 21° 7 | T 16 |
| F 17 | 3 47 23 | 25°10'50 | 9♓40 | 18°24 | 20° 1 | 16° 2 | 28°39 | 17°48 | 26°28 | 29°12 | 20°32 | 25°45 | 25°39 | 4°23 | 21° 7 | F 17 |
| S 18 | 3 51 19 | 26°10'50 | 23°55 | 19° 6 | 21°14 | 16°42 | 28°49 | 17°54 | 26°26 | 29°15 | 20°33 | 25°D45 | 25°36 | 4°29 | 21° 6 | S 18 |
| S 19 | 3 55 16 | 27°10'53 | 8♈10 | 19°43 | 22°27 | 17°22 | 28°59 | 18° 1 | 26°24 | 29°17 | 20°34 | 25°45 | 25°33 | 4°36 | 21° 5 | S 19 |
| M20 | 3 59 13 | 28°10'56 | 22°20 | 20°15 | 23°39 | 18° 2 | 29° 8 | 18° 7 | 26°21 | 29°19 | 20°35 | 25°45 | 25°29 | 4°43 | 21° 4 | M20 |
| T 21 | 4 3 9 | 29°11'02 | 6♉23 | 20°40 | 24°52 | 18°43 | 29°17 | 18°13 | 26°19 | 29°21 | 20°36 | 25°46 | 25°26 | 4°49 | 21° 4 | T 21 |
| W22 | 4 7 6 | 0♐11'09 | 20°13 | 20°58 | 26° 5 | 19°23 | 29°26 | 18°19 | 26°17 | 29°24 | 20°37 | 25°R46 | 25°23 | 4°56 | 21° 3 | W22 |
| T 23 | 4 11 2 | 1°11'18 | 3♊50 | 21° 9 | 27°18 | 20° 3 | 29°35 | 18°26 | 26°15 | 29°26 | 20°38 | 25°46 | 25°20 | 5° 3 | 21° 3 | T 23 |
| F 24 | 4 14 59 | 2°11'29 | 17° 9 | 21°R11 | 28°32 | 20°44 | 29°44 | 18°32 | 26°13 | 29°28 | 20°38 | 25°45 | 25°17 | 5°10 | 21° 2 | F 24 |
| S 25 | 4 18 55 | 3°11'41 | 0♋10 | 21° 4 | 29°45 | 21°24 | 29°53 | 18°38 | 26°10 | 29°30 | 20°39 | 25°45 | 25°14 | 5°16 | 21° 2 | S 25 |
| S 26 | 4 22 52 | 4°11'55 | 12°54 | 20°48 | 0♏58 | 22° 4 | 0♎ 2 | 18°44 | 26° 8 | 29°33 | 20°40 | 25°44 | 25°10 | 5°23 | 21° 2 | S 26 |
| M27 | 4 26 48 | 5°12'12 | 25°21 | 20°22 | 2°12 | 22°45 | 0°11 | 18°50 | 26° 6 | 29°35 | 20°41 | 25°42 | 25° 7 | 5°30 | 21° 1 | M27 |
| T 28 | 4 30 45 | 6°12'30 | 7♌33 | 19°45 | 3°25 | 23°25 | 0°19 | 18°56 | 26° 4 | 29°37 | 20°42 | 25°41 | 25° 4 | 5°36 | 21° 1 | T 28 |
| W29 | 4 34 42 | 7°12'49 | 19°35 | 18°59 | 4°39 | 24° 6 | 0°27 | 19° 2 | 26° 1 | 29°39 | 20°42 | 25°40 | 25° 1 | 5°43 | 21° 1 | W29 |
| T 30 | 4 38 38 | 8♐13'11 | 1♍29 | 18♐ 3 | 5♏52 | 24♏46 | 0♎36 | 19♎ 7 | 25♊59 | 29♏42 | 20♍43 | 25♉39 | 24♉58 | 5♍50 | 21♓ 1 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14s30 | 22n 5 | 5n 6 | 22s15 | 2s 8 | 0n50 | 1n15 | 12s49 | 0n28 | 2n30 | 0n57 | 4s18 | 2n 7 | 23n22 | 0n 5 | 18s10 | 1n37 | 15n 3 | 12n10 | 19n 8 | 19n16 | 15n16 | 0n47 | 4n32 |
| T 2 | 14 49 | 18 32 | 5 15 | 22 37 | 2 14 | 0 24 | 1 18 | 13 3 | 0 27 | 2 26 | 0 57 | 4 20 | 2 7 | 23 22 | 0 5 | 18 11 | 1 37 | 15 2 | 12 11 | 19 8 | 19 16 | 15 14 | 0 46 | 4 31 |
| F 3 | 15 7 | 14 16 | 5 11 | 22 58 | 2 19 | 0s 2 | 1 20 | 13 16 | 0 27 | 2 21 | 0 57 | 4 23 | 2 7 | 23 22 | 0 5 | 18 11 | 1 37 | 15 2 | 12 11 | 19 7 | 19 15 | 15 11 | 0 45 | 4 31 |
| S 4 | 15 26 | 9 27 | 4 54 | 23 17 | 2 24 | 0 28 | 1 22 | 13 29 | 0 26 | 2 17 | 0 57 | 4 26 | 2 8 | 23 22 | 0 5 | 18 12 | 1 37 | 15 2 | 12 11 | 19 7 | 19 14 | 15 9 | 0 45 | 4 31 |
| S 5 | 15 44 | 4 14 | 4 23 | 23 36 | 2 29 | 0 54 | 1 25 | 13 43 | 0 26 | 2 13 | 0 57 | 4 28 | 2 8 | 23 22 | 0 5 | 18 12 | 1 37 | 15 2 | 12 12 | 19 7 | 19 13 | 15 6 | 0 44 | 4 30 |
| M 6 | 16 1 | 1s12 | 3 40 | 23 53 | 2 33 | 1 21 | 1 27 | 13 56 | 0 25 | 2 9 | 0 58 | 4 31 | 2 8 | 23 22 | 0 5 | 18 13 | 1 37 | 15 1 | 12 12 | 19 6 | 19 13 | 15 4 | 0 43 | 4 30 |
| T 7 | 16 19 | 6 42 | 2 46 | 24 9 | 2 37 | 1 47 | 1 29 | 14 9 | 0 25 | 2 5 | 0 58 | 4 33 | 2 8 | 23 22 | 0 5 | 18 13 | 1 37 | 15 1 | 12 12 | 19 6 | 19 12 | 15 1 | 0 42 | 4 30 |
| W 8 | 16 36 | 12 3 | 1 43 | 24 24 | 2 41 | 2 13 | 1 31 | 14 22 | 0 24 | 2 1 | 0 58 | 4 36 | 2 8 | 23 22 | 0 5 | 18 14 | 1 37 | 15 1 | 12 13 | 19 6 | 19 11 | 14 59 | 0 41 | 4 30 |
| T 9 | 16 53 | 16 59 | 0 34 | 24 38 | 2 44 | 2 40 | 1 33 | 14 35 | 0 24 | 1 57 | 0 58 | 4 38 | 2 8 | 23 22 | 0 5 | 18 14 | 1 37 | 15 1 | 12 13 | 19 5 | 19 10 | 14 56 | 0 41 | 4 29 |
| F 10 | 17 10 | 21 13 | 0s38 | 24 50 | 2 47 | 3 6 | 1 34 | 14 48 | 0 23 | 1 53 | 0 58 | 4 41 | 2 8 | 23 21 | 0 5 | 18 15 | 1 37 | 15 1 | 12 13 | 19 5 | 19 10 | 14 54 | 0 40 | 4 29 |
| S 11 | 17 26 | 24 25 | 1 50 | 25 1 | 2 49 | 3 33 | 1 36 | 15 0 | 0 23 | 1 49 | 0 58 | 4 43 | 2 8 | 23 21 | 0 5 | 18 15 | 1 37 | 15 1 | 12 14 | 19 6 | 19 9 | 14 51 | 0 39 | 4 29 |
| S 12 | 17 42 | 26 16 | 2 57 | 25 11 | 2 51 | 3 59 | 1 37 | 15 13 | 0 22 | 1 45 | 0 59 | 4 45 | 2 9 | 23 21 | 0 5 | 18 16 | 1 37 | 15 0 | 12 14 | 19 6 | 19 8 | 14 48 | 0 38 | 4 28 |
| M13 | 17 58 | 26 32 | 3 54 | 25 19 | 2 52 | 4 26 | 1 39 | 15 25 | 0 22 | 1 41 | 0 59 | 4 48 | 2 9 | 23 21 | 0 5 | 18 16 | 1 37 | 15 0 | 12 15 | 19 6 | 19 7 | 14 46 | 0 38 | 4 28 |
| T 14 | 18 13 | 25 10 | 4 39 | 25 26 | 2 53 | 4 52 | 1 40 | 15 38 | 0 21 | 1 38 | 0 59 | 4 50 | 2 9 | 23 21 | 0 5 | 18 17 | 1 37 | 15 0 | 12 15 | 19 6 | 19 7 | 14 43 | 0 37 | 4 28 |
| W15 | 18 28 | 22 13 | 5 7 | 25 32 | 2 53 | 5 18 | 1 42 | 15 50 | 0 21 | 1 34 | 0 59 | 4 53 | 2 9 | 23 21 | 0 5 | 18 17 | 1 37 | 15 0 | 12 15 | 19 6 | 19 6 | 14 41 | 0 36 | 4 27 |
| T 16 | 18 43 | 17 57 | 5 17 | 25 36 | 2 52 | 5 45 | 1 43 | 16 2 | 0 20 | 1 30 | 0 59 | 4 55 | 2 9 | 23 21 | 0 5 | 18 18 | 1 37 | 15 0 | 12 16 | 19 6 | 19 5 | 14 38 | 0 36 | 4 27 |
| F 17 | 18 58 | 12 39 | 5 8 | 25 39 | 2 51 | 6 11 | 1 44 | 16 14 | 0 20 | 1 26 | 0 59 | 4 57 | 2 9 | 23 21 | 0 5 | 18 18 | 1 37 | 15 0 | 12 16 | 19 6 | 19 4 | 14 35 | 0 35 | 4 27 |
| S 18 | 19 12 | 6 41 | 4 40 | 25 41 | 2 49 | 6 37 | 1 45 | 16 26 | 0 19 | 1 23 | 1 0 | 5 0 | 2 9 | 23 21 | 0 5 | 18 18 | 1 37 | 15 0 | 12 17 | 19 6 | 19 4 | 14 33 | 0 35 | 4 27 |
| S 19 | 19 26 | 0 22 | 3 54 | 25 40 | 2 45 | 7 3 | 1 46 | 16 38 | 0 19 | 1 19 | 1 0 | 5 2 | 2 10 | 23 21 | 0 5 | 18 19 | 1 37 | 15 0 | 12 17 | 19 6 | 19 3 | 14 30 | 0 34 | 4 26 |
| M20 | 19 39 | 5n57 | 2 55 | 25 38 | 2 41 | 7 29 | 1 47 | 16 50 | 0 18 | 1 16 | 1 0 | 5 4 | 2 10 | 23 21 | 0 5 | 18 19 | 1 37 | 15 0 | 12 17 | 19 6 | 19 2 | 14 28 | 0 33 | 4 26 |
| T 21 | 19 52 | 11 55 | 1 45 | 25 35 | 2 36 | 7 55 | 1 47 | 17 1 | 0 17 | 1 12 | 1 0 | 5 6 | 2 10 | 23 21 | 0 5 | 18 20 | 1 37 | 15 0 | 12 18 | 19 6 | 19 1 | 14 25 | 0 33 | 4 26 |
| W22 | 20 5 | 17 13 | 0 31 | 25 29 | 2 29 | 8 21 | 1 48 | 17 13 | 0 17 | 1 9 | 1 0 | 5 8 | 2 10 | 23 21 | 0 5 | 18 20 | 1 37 | 15 0 | 12 18 | 19 6 | 19 1 | 14 22 | 0 32 | 4 25 |
| T 23 | 20 18 | 21 32 | 0n45 | 25 22 | 2 21 | 8 46 | 1 49 | 17 24 | 0 16 | 1 5 | 1 1 | 5 11 | 2 10 | 23 21 | 0 5 | 18 21 | 1 37 | 15 0 | 12 19 | 19 6 | 19 0 | 14 20 | 0 32 | 4 25 |
| F 24 | 20 30 | 24 37 | 1 56 | 25 13 | 2 12 | 9 12 | 1 49 | 17 35 | 0 16 | 1 2 | 1 1 | 5 13 | 2 11 | 23 21 | 0 5 | 18 21 | 1 37 | 15 0 | 12 19 | 19 6 | 18 59 | 14 17 | 0 31 | 4 25 |
| S 25 | 20 41 | 26 18 | 2 59 | 25 2 | 2 1 | 9 37 | 1 50 | 17 46 | 0 15 | 0 59 | 1 1 | 5 15 | 2 11 | 23 21 | 0 5 | 18 22 | 1 37 | 15 0 | 12 19 | 19 6 | 18 58 | 14 15 | 0 31 | 4 24 |
| S 26 | 20 53 | 26 33 | 3 52 | 24 48 | 1 49 | 10 2 | 1 50 | 17 57 | 0 15 | 0 55 | 1 1 | 5 17 | 2 11 | 23 21 | 0 5 | 18 22 | 1 37 | 15 0 | 12 20 | 19 6 | 18 58 | 14 12 | 0 31 | 4 24 |
| M27 | 21 4 | 25 26 | 4 33 | 24 33 | 1 35 | 10 27 | 1 50 | 18 8 | 0 14 | 0 52 | 1 1 | 5 19 | 2 11 | 23 21 | 0 5 | 18 23 | 1 37 | 15 0 | 12 20 | 19 5 | 18 57 | 14 9 | 0 30 | 4 24 |
| T 28 | 21 14 | 23 8 | 5 1 | 24 15 | 1 19 | 10 52 | 1 50 | 18 19 | 0 14 | 0 49 | 1 2 | 5 21 | 2 11 | 23 21 | 0 5 | 18 23 | 1 37 | 15 0 | 12 21 | 19 5 | 18 56 | 14 7 | 0 30 | 4 23 |
| W29 | 21 24 | 19 51 | 5 14 | 23 54 | 1 2 | 11 16 | 1 50 | 18 29 | 0 13 | 0 46 | 1 2 | 5 23 | 2 11 | 23 21 | 0 5 | 18 24 | 1 37 | 15 0 | 12 21 | 19 5 | 18 55 | 14 4 | 0 29 | 4 23 |
| T 30 | 21s34 | 15n47 | 5n15 | 23s31 | 0s44 | 11s40 | 1n50 | 18s40 | 0n13 | 0n43 | 1n 2 | 5s25 | 2n12 | 23n21 | 0n 5 | 18s24 | 1n37 | 15n 0 | 12n22 | 19n 5 | 18n55 | 14n 1 | 0n29 | 4n23 |

Julian Day Number = 2799560.5, Delta T = 49m53s
Ecliptic obliquity = 23°19'02, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°04'39, Lahiri = 37°11'40


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# ASTRODIENST EPHEMERIS for the year 2952
# geocentric

## DECEMBER 2952 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 4 42 35 | 9♐13'34 | 13♍22 | 16°R58 | 7♏ 6 | 25♏27 | 0♎44 | 19♎13 | 25°R57 | 29♏44 | 20♍44 | 25°D39 | 24♉54 | 5♍57 | 21°D 1 | F 1 |
| S 2 | 4 46 31 | 10°14'00 | 25°17 | 15♐46 | 8°19 | 26° 8 | 0°52 | 19°19 | 25♊54 | 29°46 | 20°44 | 25♉40 | 24°51 | 6° 3 | 21♓ 1 | S 2 |
| S 3 | 4 50 28 | 11°14'27 | 7♎18 | 14°28 | 9°33 | 26°48 | 1° 0 | 19°24 | 25°52 | 29°48 | 20°45 | 25°41 | 24°48 | 6°10 | 21° 1 | S 3 |
| M 4 | 4 54 24 | 12°14'56 | 19°32 | 13° 7 | 10°47 | 27°29 | 1° 7 | 19°30 | 25°49 | 29°50 | 20°46 | 25°42 | 24°45 | 6°17 | 21° 1 | M 4 |
| T 5 | 4 58 21 | 13°15'26 | 2♏ 1 | 11°46 | 12° 1 | 28°10 | 1°15 | 19°35 | 25°47 | 29°53 | 20°46 | 25°44 | 24°42 | 6°24 | 21° 1 | T 5 |
| W 6 | 5 2 17 | 14°15'59 | 14°48 | 10°27 | 13°15 | 28°50 | 1°22 | 19°41 | 25°44 | 29°55 | 20°47 | 25°45 | 24°39 | 6°30 | 21° 2 | W 6 |
| T 7 | 5 6 14 | 15°16'33 | 27°56 | 9°12 | 14°29 | 29°31 | 1°30 | 19°46 | 25°42 | 29°57 | 20°47 | 25°R45 | 24°35 | 6°37 | 21° 2 | T 7 |
| F 8 | 5 10 11 | 16°17'08 | 11♐23 | 8° 5 | 15°43 | 0♐12 | 1°37 | 19°51 | 25°39 | 29°59 | 20°48 | 25°44 | 24°32 | 6°44 | 21° 2 | F 8 |
| S 9 | 5 14 7 | 17°17'45 | 25°10 | 7° 7 | 16°57 | 0°53 | 1°44 | 19°56 | 25°37 | 0♐ 1 | 20°48 | 25°43 | 24°29 | 6°50 | 21° 3 | S 9 |
| S 10 | 5 18 4 | 18°18'23 | 9♑12 | 6°19 | 18°11 | 1°34 | 1°51 | 20° 1 | 25°34 | 0° 4 | 20°49 | 25°40 | 24°26 | 6°57 | 21° 3 | S 10 |
| M11 | 5 22 0 | 19°19'03 | 23°26 | 5°42 | 19°25 | 2°15 | 1°58 | 20° 6 | 25°32 | 0° 6 | 20°49 | 25°36 | 24°23 | 7° 4 | 21° 4 | M11 |
| T 12 | 5 25 57 | 20°19'44 | 7♒47 | 5°17 | 20°39 | 2°56 | 2° 4 | 20°11 | 25°29 | 0° 8 | 20°49 | 25°33 | 24°20 | 7°11 | 21° 5 | T 12 |
| W13 | 5 29 53 | 21°20'26 | 22° 9 | 5° 4 | 21°53 | 3°37 | 2°11 | 20°16 | 25°27 | 0°10 | 20°50 | 25°30 | 24°16 | 7°17 | 21° 5 | W13 |
| T 14 | 5 33 50 | 22°21'08 | 6♓29 | 5°D 2 | 23° 7 | 4°18 | 2°17 | 20°21 | 25°24 | 0°12 | 20°50 | 25°28 | 24°13 | 7°24 | 21° 6 | T 14 |
| F 15 | 5 37 47 | 23°21'52 | 20°42 | 5°10 | 24°22 | 4°59 | 2°23 | 20°26 | 25°22 | 0°14 | 20°50 | 25°D27 | 24°10 | 7°31 | 21° 7 | F 15 |
| S 16 | 5 41 43 | 24°22'36 | 4♈47 | 5°28 | 25°36 | 5°40 | 2°29 | 20°30 | 25°19 | 0°16 | 20°50 | 25°27 | 24° 7 | 7°37 | 21° 8 | S 16 |
| S 17 | 5 45 40 | 25°23'21 | 18°42 | 5°55 | 26°50 | 6°21 | 2°35 | 20°35 | 25°17 | 0°18 | 20°50 | 25°28 | 24° 4 | 7°44 | 21° 9 | S 17 |
| M18 | 5 49 36 | 26°24'08 | 2♉27 | 6°30 | 28° 5 | 7° 3 | 2°41 | 20°39 | 25°14 | 0°20 | 20°51 | 25°30 | 24° 0 | 7°51 | 21°10 | M18 |
| T 19 | 5 53 33 | 27°24'55 | 16° 2 | 7°12 | 29°19 | 7°44 | 2°46 | 20°44 | 25°12 | 0°22 | 20°51 | 25°31 | 23°57 | 7°58 | 21°11 | T 19 |
| W20 | 5 57 29 | 28°25'43 | 29°25 | 8° 0 | 0♐34 | 8°25 | 2°52 | 20°48 | 25° 9 | 0°25 | 20°51 | 25°R32 | 23°54 | 8° 4 | 21°12 | W20 |
| T 21 | 6 1 26 | 29°26'32 | 12♊37 | 8°54 | 1°48 | 9° 6 | 2°57 | 20°52 | 25° 7 | 0°27 | 20°51 | 25°30 | 23°51 | 8°11 | 21°13 | T 21 |
| F 22 | 6 5 22 | 0♑27'22 | 25°36 | 9°52 | 3° 3 | 9°48 | 3° 2 | 20°56 | 25° 4 | 0°29 | 20°R51 | 25°27 | 23°48 | 8°18 | 21°14 | F 22 |
| S 23 | 6 9 19 | 1°28'13 | 8♋23 | 10°55 | 4°17 | 10°29 | 3° 7 | 21° 0 | 25° 2 | 0°31 | 20°51 | 25°22 | 23°45 | 8°24 | 21°15 | S 23 |
| S 24 | 6 13 16 | 2°29'05 | 20°57 | 12° 2 | 5°32 | 11°11 | 3°12 | 21° 4 | 24°59 | 0°33 | 20°51 | 25°16 | 23°41 | 8°31 | 21°17 | S 24 |
| M25 | 6 17 12 | 3°29'58 | 3♌18 | 13°12 | 6°46 | 11°52 | 3°16 | 21° 8 | 24°57 | 0°35 | 20°51 | 25° 9 | 23°38 | 8°38 | 21°18 | M25 |
| T 26 | 6 21 9 | 4°30'52 | 15°28 | 14°25 | 8° 1 | 12°34 | 3°21 | 21°12 | 24°54 | 0°36 | 20°51 | 25° 1 | 23°35 | 8°45 | 21°19 | T 26 |
| W27 | 6 25 5 | 5°31'47 | 27°28 | 15°40 | 9°16 | 13°15 | 3°25 | 21°15 | 24°52 | 0°38 | 20°51 | 24°55 | 23°32 | 8°51 | 21°21 | W27 |
| T 28 | 6 29 2 | 6°32'43 | 9♍22 | 16°57 | 10°30 | 13°57 | 3°29 | 21°19 | 24°49 | 0°40 | 20°50 | 24°49 | 23°29 | 8°58 | 21°22 | T 28 |
| F 29 | 6 32 58 | 7°33'40 | 21°13 | 18°16 | 11°45 | 14°38 | 3°33 | 21°22 | 24°47 | 0°42 | 20°50 | 24°46 | 23°26 | 9° 5 | 21°24 | F 29 |
| S 30 | 6 36 55 | 8°34'38 | 3♎ 6 | 19°37 | 13° 0 | 15°20 | 3°36 | 21°26 | 24°44 | 0°44 | 20°50 | 24°44 | 23°22 | 9°12 | 21°26 | S 30 |
| S 31 | 6 40 51 | 9♑35'37 | 15♎ 5 | 20♐59 | 14♐14 | 16♐ 2 | 3♎40 | 21♎29 | 24♊42 | 0♐46 | 20♍50 | 24°D44 | 23♉19 | 9♍18 | 21♓27 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 21s43 | 11n 9 | 5n 1 | 23s 6 | 0s25 | 12s 4 | 1n50 | 18s50 | 0n12 | 0n40 | 1n 2 | 5s27 | 2n12 | 23n20 | 0n 5 | 18s25 | 1n37 | 15n 0 | 12n22 | 19n 5 | 18n54 | 13n59 | 0n29 | 4n22 |
| S 2 | 21 52 | 6 5 | 4 35 | 22 38 | 0 5 | 12 28 | 1 50 | 19 0 | 0 11 | 0 37 | 1 2 | 5 29 | 2 12 | 23 20 | 0 5 | 18 25 | 1 37 | 15 1 | 12 22 | 19 5 | 18 53 | 13 56 | 0 29 | 4 22 |
| S 3 | 22 1 | 0 44 | 3 57 | 22 9 | 0n16 | 12 52 | 1 50 | 19 10 | 0 11 | 0 34 | 1 3 | 5 31 | 2 12 | 23 20 | 0 5 | 18 26 | 1 37 | 15 1 | 12 23 | 19 5 | 18 52 | 13 53 | 0 28 | 4 22 |
| M 4 | 22 9 | 4s43 | 3 7 | 21 40 | 0 36 | 13 15 | 1 49 | 19 20 | 0 10 | 0 31 | 1 3 | 5 33 | 2 12 | 23 20 | 0 5 | 18 26 | 1 37 | 15 1 | 12 23 | 19 5 | 18 52 | 13 51 | 0 28 | 4 21 |
| T 5 | 22 16 | 10 7 | 2 7 | 21 9 | 0 56 | 13 38 | 1 49 | 19 29 | 0 10 | 0 28 | 1 3 | 5 35 | 2 13 | 23 20 | 0 5 | 18 26 | 1 37 | 15 1 | 12 24 | 19 6 | 18 51 | 13 48 | 0 28 | 4 21 |
| W 6 | 22 24 | 15 14 | 1 0 | 20 40 | 1 15 | 14 1 | 1 48 | 19 39 | 0 9 | 0 26 | 1 3 | 5 36 | 2 13 | 23 20 | 0 5 | 18 27 | 1 37 | 15 1 | 12 24 | 19 6 | 18 50 | 13 45 | 0 28 | 4 21 |
| T 7 | 22 31 | 19 48 | 0s12 | 20 12 | 1 32 | 14 23 | 1 48 | 19 48 | 0 9 | 0 23 | 1 4 | 5 38 | 2 13 | 23 20 | 0 5 | 18 27 | 1 37 | 15 2 | 12 25 | 19 6 | 18 49 | 13 43 | 0 27 | 4 20 |
| F 8 | 22 37 | 23 26 | 1 25 | 19 46 | 1 48 | 14 45 | 1 47 | 19 58 | 0 8 | 0 20 | 1 4 | 5 40 | 2 13 | 23 20 | 0 5 | 18 28 | 1 37 | 15 2 | 12 25 | 19 6 | 18 48 | 13 40 | 0 27 | 4 20 |
| S 9 | 22 43 | 25 49 | 2 35 | 19 24 | 2 1 | 15 7 | 1 46 | 20 7 | 0 7 | 0 18 | 1 4 | 5 42 | 2 13 | 23 20 | 0 5 | 18 28 | 1 37 | 15 2 | 12 25 | 19 5 | 18 48 | 13 37 | 0 27 | 4 20 |
| S 10 | 22 48 | 26 36 | 3 37 | 19 5 | 2 12 | 15 28 | 1 45 | 20 15 | 0 7 | 0 15 | 1 4 | 5 43 | 2 14 | 23 20 | 0 5 | 18 29 | 1 37 | 15 2 | 12 26 | 19 5 | 18 47 | 13 35 | 0 27 | 4 19 |
| M11 | 22 53 | 25 39 | 4 26 | 18 49 | 2 22 | 15 49 | 1 45 | 20 24 | 0 6 | 0 13 | 1 4 | 5 45 | 2 14 | 23 20 | 0 5 | 18 29 | 1 37 | 15 2 | 12 26 | 19 4 | 18 46 | 13 32 | 0 27 | 4 19 |
| T 12 | 22 58 | 23 2 | 4 59 | 18 38 | 2 29 | 16 9 | 1 44 | 20 33 | 0 6 | 0 10 | 1 5 | 5 47 | 2 14 | 23 20 | 0 5 | 18 30 | 1 37 | 15 3 | 12 27 | 19 3 | 18 45 | 13 29 | 0 27 | 4 19 |
| W13 | 23 2 | 18 59 | 5 13 | 18 31 | 2 34 | 16 30 | 1 43 | 20 41 | 0 5 | 0 8 | 1 5 | 5 48 | 2 14 | 23 20 | 0 5 | 18 30 | 1 37 | 15 3 | 12 27 | 19 2 | 18 45 | 13 27 | 0 27 | 4 18 |
| T 14 | 23 6 | 13 51 | 5 8 | 18 27 | 2 37 | 16 49 | 1 41 | 20 49 | 0 5 | 0 6 | 1 5 | 5 50 | 2 15 | 23 20 | 0 5 | 18 30 | 1 37 | 15 3 | 12 28 | 19 2 | 18 44 | 13 24 | 0 27 | 4 18 |
| F 15 | 23 9 | 8 1 | 4 44 | 18 27 | 2 38 | 17 9 | 1 40 | 20 57 | 0 4 | 0 3 | 1 5 | 5 51 | 2 15 | 23 20 | 0 5 | 18 31 | 1 37 | 15 4 | 12 28 | 19 2 | 18 43 | 13 21 | 0 27 | 4 18 |
| S 16 | 23 12 | 1 50 | 4 3 | 18 31 | 2 38 | 17 28 | 1 39 | 21 5 | 0 3 | 0 1 | 1 6 | 5 53 | 2 15 | 23 19 | 0 5 | 18 31 | 1 37 | 15 4 | 12 29 | 19 2 | 18 42 | 13 19 | 0 27 | 4 17 |
| S 17 | 23 14 | 4n24 | 3 8 | 18 37 | 2 37 | 17 46 | 1 38 | 21 13 | 0 3 | 0s 1 | 1 6 | 5 54 | 2 15 | 23 19 | 0 5 | 18 32 | 1 37 | 15 4 | 12 29 | 19 2 | 18 41 | 13 16 | 0 27 | 4 17 |
| M18 | 23 16 | 10 20 | 2 3 | 18 45 | 2 34 | 18 4 | 1 36 | 21 20 | 0 2 | 0 3 | 1 6 | 5 56 | 2 15 | 23 19 | 0 5 | 18 32 | 1 37 | 15 5 | 12 29 | 19 2 | 18 41 | 13 13 | 0 27 | 4 17 |
| T 19 | 23 18 | 15 44 | 0 52 | 18 55 | 2 31 | 18 22 | 1 35 | 21 28 | 0 2 | 0 5 | 1 6 | 5 57 | 2 16 | 23 19 | 0 5 | 18 32 | 1 37 | 15 5 | 12 30 | 19 3 | 18 40 | 13 10 | 0 27 | 4 17 |
| W20 | 23 18 | 20 16 | 0n21 | 19 7 | 2 26 | 18 39 | 1 33 | 21 35 | 0 1 | 0 7 | 1 7 | 5 59 | 2 16 | 23 19 | 0 5 | 18 33 | 1 37 | 15 5 | 12 30 | 19 3 | 18 39 | 13 8 | 0 27 | 4 16 |
| T 21 | 23 19 | 23 43 | 1 32 | 19 21 | 2 21 | 18 55 | 1 32 | 21 42 | 0 0 | 0 9 | 1 7 | 6 0 | 2 16 | 23 19 | 0 5 | 18 33 | 1 37 | 15 6 | 12 31 | 19 2 | 18 38 | 13 5 | 0 28 | 4 16 |
| F 22 | 23 19 | 25 51 | 2 36 | 19 35 | 2 16 | 19 11 | 1 30 | 21 49 | 0s 0 | 0 10 | 1 7 | 6 1 | 2 16 | 23 19 | 0 5 | 18 34 | 1 37 | 15 6 | 12 31 | 19 2 | 18 38 | 13 2 | 0 28 | 4 16 |
| S 23 | 23 19 | 26 35 | 3 32 | 19 50 | 2 9 | 19 27 | 1 28 | 21 55 | 0 1 | 0 12 | 1 7 | 6 2 | 2 17 | 23 19 | 0 5 | 18 34 | 1 37 | 15 7 | 12 32 | 19 0 | 18 37 | 12 59 | 0 28 | 4 15 |
| S 24 | 23 18 | 25 55 | 4 16 | 20 5 | 2 3 | 19 42 | 1 27 | 22 2 | 0 1 | 0 14 | 1 8 | 6 4 | 2 17 | 23 19 | 0 5 | 18 34 | 1 37 | 15 7 | 12 32 | 18 59 | 18 36 | 12 57 | 0 28 | 4 15 |
| M25 | 23 16 | 23 58 | 4 47 | 20 21 | 1 56 | 19 56 | 1 25 | 22 8 | 0 2 | 0 15 | 1 8 | 6 5 | 2 17 | 23 19 | 0 5 | 18 35 | 1 37 | 15 7 | 12 33 | 18 57 | 18 35 | 12 54 | 0 28 | 4 15 |
| T 26 | 23 14 | 20 58 | 5 5 | 20 37 | 1 48 | 20 10 | 1 23 | 22 14 | 0 3 | 0 17 | 1 8 | 6 6 | 2 17 | 23 19 | 0 5 | 18 35 | 1 37 | 15 8 | 12 33 | 18 55 | 18 34 | 12 51 | 0 29 | 4 14 |
| W27 | 23 12 | 17 7 | 5 9 | 20 53 | 1 41 | 20 23 | 1 21 | 22 20 | 0 3 | 0 18 | 1 8 | 6 7 | 2 18 | 23 19 | 0 5 | 18 35 | 1 37 | 15 8 | 12 33 | 18 54 | 18 34 | 12 49 | 0 29 | 4 14 |
| T 28 | 23 9 | 12 38 | 4 59 | 21 8 | 1 33 | 20 36 | 1 19 | 22 25 | 0 4 | 0 20 | 1 9 | 6 8 | 2 18 | 23 18 | 0 5 | 18 36 | 1 37 | 15 9 | 12 34 | 18 53 | 18 33 | 12 46 | 0 29 | 4 14 |
| F 29 | 23 6 | 7 43 | 4 37 | 21 23 | 1 25 | 20 48 | 1 17 | 22 31 | 0 4 | 0 21 | 1 9 | 6 9 | 2 18 | 23 18 | 0 5 | 18 36 | 1 38 | 15 9 | 12 34 | 18 52 | 18 32 | 12 43 | 0 30 | 4 13 |
| S 30 | 23 2 | 2 30 | 4 3 | 21 37 | 1 18 | 21 0 | 1 15 | 22 36 | 0 5 | 0 22 | 1 9 | 6 10 | 2 18 | 23 18 | 0 5 | 18 37 | 1 38 | 15 10 | 12 35 | 18 51 | 18 31 | 12 40 | 0 30 | 4 13 |
| S 31 | 22s58 | 2s52 | 3n18 | 21s51 | 1n10 | 21s11 | 1n13 | 22s41 | 0s 6 | 0s23 | 1n 9 | 6s11 | 2n19 | 23n18 | 0n 5 | 18s37 | 1n38 | 15n10 | 12n35 | 18n51 | 18n30 | 12n37 | 0n30 | 4n13 |

Julian Day Number = 2799590.5, Delta T = 49m53s
Ecliptic obliquity = 23°19'02, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°04'44, Lahiri = 37°11'44


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# ASTRODIENST EPHEMERIS for the year 2953
# geocentric

## JANUARY 2953 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 6 44 48 | 10♑36'37 | 27♎16 | 22♐22 | 15♐29 | 16♐43 | 3♎43 | 21♎32 | 24°R39 | 0♐48 | 20°R49 | 24♉45 | 23♉16 | 9♍25 | 21♓29 | M 1 |
| T 2 | 6 48 45 | 11°37'38 | 9♏43 | 23°46 | 16°44 | 17°25 | 3°47 | 21°35 | 24♊37 | 0°50 | 20♍49 | 24°46 | 23°13 | 9°32 | 21°31 | T 2 |
| W 3 | 6 52 41 | 12°38'39 | 22°32 | 25°11 | 17°59 | 18° 7 | 3°50 | 21°38 | 24°35 | 0°51 | 20°49 | 24°R47 | 23°10 | 9°38 | 21°33 | W 3 |
| T 4 | 6 56 38 | 13°39'42 | 5♐45 | 26°38 | 19°14 | 18°49 | 3°52 | 21°41 | 24°32 | 0°53 | 20°48 | 24°47 | 23° 6 | 9°45 | 21°35 | T 4 |
| F 5 | 7 0 34 | 14°40'46 | 19°24 | 28° 4 | 20°29 | 19°31 | 3°55 | 21°44 | 24°30 | 0°55 | 20°48 | 24°44 | 23° 3 | 9°52 | 21°37 | F 5 |
| S 6 | 7 4 31 | 15°41'50 | 3♑28 | 29°32 | 21°43 | 20°13 | 3°57 | 21°47 | 24°28 | 0°57 | 20°48 | 24°39 | 23° 0 | 9°59 | 21°39 | S 6 |
| S 7 | 7 8 27 | 16°42'55 | 17°55 | 1♑ 0 | 22°58 | 20°55 | 4° 0 | 21°49 | 24°25 | 0°58 | 20°47 | 24°32 | 22°57 | 10° 5 | 21°41 | S 7 |
| M 8 | 7 12 24 | 17°44'00 | 2♒37 | 2°28 | 24°13 | 21°37 | 4° 2 | 21°52 | 24°23 | 1° 0 | 20°47 | 24°23 | 22°54 | 10°12 | 21°43 | M 8 |
| T 9 | 7 16 21 | 18°45'06 | 17°28 | 3°57 | 25°28 | 22°19 | 4° 4 | 21°54 | 24°21 | 1° 2 | 20°46 | 24°14 | 22°51 | 10°19 | 21°45 | T 9 |
| W10 | 7 20 17 | 19°46'11 | 2♓17 | 5°27 | 26°43 | 23° 1 | 4° 5 | 21°57 | 24°19 | 1° 3 | 20°46 | 24° 6 | 22°47 | 10°25 | 21°47 | W10 |
| T 11 | 7 24 14 | 20°47'17 | 16°58 | 6°57 | 27°58 | 23°43 | 4° 7 | 21°59 | 24°16 | 1° 5 | 20°45 | 24° 0 | 22°44 | 10°32 | 21°49 | T 11 |
| F 12 | 7 28 10 | 21°48'23 | 1♈25 | 8°27 | 29°13 | 24°25 | 4° 8 | 22° 1 | 24°14 | 1° 7 | 20°44 | 23°55 | 22°41 | 10°39 | 21°52 | F 12 |
| S 13 | 7 32 7 | 22°49'29 | 15°34 | 9°57 | 0♑28 | 25° 7 | 4° 9 | 22° 3 | 24°12 | 1° 8 | 20°44 | 23°53 | 22°38 | 10°46 | 21°54 | S 13 |
| S 14 | 7 36 3 | 23°50'34 | 29°24 | 11°28 | 1°43 | 25°49 | 4°10 | 22° 5 | 24°10 | 1°10 | 20°43 | 23°D53 | 22°35 | 10°52 | 21°57 | S 14 |
| M15 | 7 40 0 | 24°51'40 | 12♉56 | 13° 0 | 2°58 | 26°32 | 4°11 | 22° 7 | 24° 8 | 1°11 | 20°42 | 23°54 | 22°32 | 10°59 | 21°59 | M15 |
| T 16 | 7 43 56 | 25°52'45 | 26°12 | 14°31 | 4°13 | 27°14 | 4°11 | 22° 8 | 24° 6 | 1°13 | 20°42 | 23°R54 | 22°28 | 11° 6 | 22° 1 | T 16 |
| W17 | 7 47 53 | 26°53'51 | 9♊14 | 16° 3 | 5°28 | 27°56 | 4°12 | 22°10 | 24° 4 | 1°14 | 20°41 | 23°53 | 22°25 | 11°12 | 22° 4 | W17 |
| T 18 | 7 51 50 | 27°54'56 | 22° 3 | 17°36 | 6°43 | 28°39 | 4°R12 | 22°11 | 24° 2 | 1°16 | 20°40 | 23°50 | 22°22 | 11°19 | 22° 7 | T 18 |
| F 19 | 7 55 46 | 28°56'01 | 4♋42 | 19° 9 | 7°58 | 29°21 | 4°12 | 22°13 | 24° 0 | 1°17 | 20°39 | 23°43 | 22°19 | 11°26 | 22° 9 | F 19 |
| S 20 | 7 59 43 | 29°57'06 | 17°11 | 20°42 | 9°13 | 0♑ 4 | 4°12 | 22°14 | 23°58 | 1°18 | 20°38 | 23°34 | 22°16 | 11°33 | 22°12 | S 20 |
| S 21 | 8 3 39 | 0♒58'11 | 29°31 | 22°15 | 10°28 | 0°46 | 4°11 | 22°15 | 23°56 | 1°20 | 20°38 | 23°22 | 22°13 | 11°39 | 22°15 | S 21 |
| M22 | 8 7 36 | 1°59'16 | 11♌43 | 23°49 | 11°43 | 1°29 | 4°11 | 22°16 | 23°54 | 1°21 | 20°37 | 23° 9 | 22° 9 | 11°46 | 22°17 | M22 |
| T 23 | 8 11 32 | 3° 0'21 | 23°46 | 25°24 | 12°59 | 2°11 | 4°10 | 22°17 | 23°52 | 1°22 | 20°36 | 22°55 | 22° 6 | 11°53 | 22°20 | T 23 |
| W24 | 8 15 29 | 4° 1'26 | 5♍43 | 26°58 | 14°14 | 2°54 | 4° 9 | 22°18 | 23°51 | 1°24 | 20°35 | 22°43 | 22° 3 | 11°59 | 22°23 | W24 |
| T 25 | 8 19 25 | 5° 2'30 | 17°35 | 28°33 | 15°29 | 3°36 | 4° 8 | 22°18 | 23°49 | 1°25 | 20°34 | 22°32 | 22° 0 | 12° 6 | 22°26 | T 25 |
| F 26 | 8 23 22 | 6° 3'35 | 29°25 | 0♒ 9 | 16°44 | 4°19 | 4° 6 | 22°19 | 23°47 | 1°26 | 20°33 | 22°23 | 21°57 | 12°13 | 22°29 | F 26 |
| S 27 | 8 27 19 | 7° 4'40 | 11♎16 | 1°45 | 17°59 | 5° 2 | 4° 5 | 22°20 | 23°45 | 1°27 | 20°32 | 22°17 | 21°53 | 12°20 | 22°32 | S 27 |
| S 28 | 8 31 15 | 8° 5'44 | 23°13 | 3°21 | 19°14 | 5°44 | 4° 3 | 22°20 | 23°44 | 1°28 | 20°31 | 22°14 | 21°50 | 12°26 | 22°35 | S 28 |
| M29 | 8 35 12 | 9° 6'49 | 5♏19 | 4°58 | 20°29 | 6°27 | 4° 1 | 22°20 | 23°42 | 1°30 | 20°30 | 22°D13 | 21°47 | 12°33 | 22°38 | M29 |
| T 30 | 8 39 8 | 10° 7'53 | 17°42 | 6°36 | 21°44 | 7°10 | 3°59 | 22°20 | 23°41 | 1°31 | 20°29 | 22°R14 | 21°44 | 12°40 | 22°41 | T 30 |
| W31 | 8 43 5 | 11♒ 8'58 | 0♐25 | 8♒14 | 22♑59 | 7♑53 | 3♎56 | 22°R20 | 23♊39 | 1♐32 | 20♍28 | 22♉13 | 21♉41 | 12♍46 | 22♓44 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s54 | 8s13 | 2n23 | 22s 4 | 1n 2 | 21s22 | 1n11 | 22s46 | 0s 6 | 0s24 | 1n10 | 6s12 | 2n19 | 23n18 | 0n 5 | 18s37 | 1n38 | 15n11 | 12n36 | 18n52 | 18n30 | 12n35 | 0n31 | 4n13 |
| T 2 | 22 49 | 13 23 | 1 20 | 22 17 | 0 54 | 21 31 | 1 9 | 22 50 | 0 7 | 0 25 | 1 10 | 6 13 | 2 19 | 23 18 | 0 5 | 18 38 | 1 38 | 15 11 | 12 36 | 18 52 | 18 29 | 12 32 | 0 31 | 4 12 |
| W 3 | 22 43 | 18 7 | 0 12 | 22 28 | 0 46 | 21 41 | 1 6 | 22 55 | 0 8 | 0 26 | 1 10 | 6 14 | 2 20 | 23 18 | 0 6 | 18 38 | 1 38 | 15 12 | 12 37 | 18 52 | 18 28 | 12 29 | 0 32 | 4 12 |
| T 4 | 22 37 | 22 7 | 0s59 | 22 39 | 0 38 | 21 49 | 1 4 | 22 59 | 0 8 | 0 27 | 1 10 | 6 15 | 2 20 | 23 18 | 0 6 | 18 38 | 1 38 | 15 12 | 12 37 | 18 52 | 18 27 | 12 26 | 0 32 | 4 12 |
| F 5 | 22 31 | 25 2 | 2 8 | 22 48 | 0 30 | 21 57 | 1 2 | 23 3 | 0 9 | 0 28 | 1 11 | 6 16 | 2 20 | 23 18 | 0 6 | 18 39 | 1 38 | 15 13 | 12 37 | 18 51 | 18 27 | 12 24 | 0 33 | 4 11 |
| S 6 | 22 24 | 26 29 | 3 12 | 22 57 | 0 22 | 22 4 | 0 59 | 23 7 | 0 9 | 0 29 | 1 11 | 6 16 | 2 20 | 23 18 | 0 6 | 18 39 | 1 38 | 15 13 | 12 38 | 18 50 | 18 26 | 12 21 | 0 33 | 4 11 |
| S 7 | 22 17 | 26 11 | 4 6 | 23 4 | 0 14 | 22 11 | 0 57 | 23 11 | 0 10 | 0 29 | 1 11 | 6 17 | 2 21 | 23 18 | 0 6 | 18 39 | 1 38 | 15 14 | 12 38 | 18 48 | 18 25 | 12 18 | 0 34 | 4 11 |
| M 8 | 22 9 | 24 4 | 4 44 | 23 11 | 0 7 | 22 17 | 0 55 | 23 14 | 0 11 | 0 30 | 1 12 | 6 18 | 2 21 | 23 17 | 0 6 | 18 39 | 1 38 | 15 15 | 12 39 | 18 46 | 18 24 | 12 15 | 0 34 | 4 10 |
| T 9 | 22 1 | 20 20 | 5 3 | 23 16 | 0s 1 | 22 22 | 0 52 | 23 17 | 0 11 | 0 30 | 1 12 | 6 18 | 2 21 | 23 17 | 0 6 | 18 40 | 1 38 | 15 15 | 12 39 | 18 44 | 18 23 | 12 12 | 0 35 | 4 10 |
| W10 | 21 52 | 15 18 | 5 2 | 23 20 | 0 8 | 22 27 | 0 50 | 23 20 | 0 12 | 0 31 | 1 12 | 6 19 | 2 21 | 23 17 | 0 6 | 18 40 | 1 38 | 15 16 | 12 39 | 18 42 | 18 23 | 12 10 | 0 35 | 4 10 |
| T 11 | 21 43 | 9 26 | 4 41 | 23 23 | 0 15 | 22 31 | 0 47 | 23 23 | 0 13 | 0 31 | 1 12 | 6 20 | 2 22 | 23 17 | 0 6 | 18 40 | 1 38 | 15 16 | 12 40 | 18 40 | 18 22 | 12 7 | 0 36 | 4 10 |
| F 12 | 21 34 | 3 9 | 4 3 | 23 25 | 0 22 | 22 34 | 0 45 | 23 25 | 0 13 | 0 31 | 1 13 | 6 20 | 2 22 | 23 17 | 0 6 | 18 41 | 1 38 | 15 17 | 12 40 | 18 39 | 18 21 | 12 4 | 0 37 | 4 9 |
| S 13 | 21 24 | 3n10 | 3 10 | 23 26 | 0 29 | 22 37 | 0 42 | 23 28 | 0 14 | 0 32 | 1 13 | 6 21 | 2 22 | 23 17 | 0 6 | 18 41 | 1 38 | 15 18 | 12 41 | 18 39 | 18 20 | 12 1 | 0 37 | 4 9 |
| S 14 | 21 14 | 9 13 | 2 7 | 23 25 | 0 36 | 22 39 | 0 40 | 23 30 | 0 15 | 0 32 | 1 13 | 6 21 | 2 23 | 23 17 | 0 6 | 18 41 | 1 38 | 15 18 | 12 41 | 18 39 | 18 19 | 11 58 | 0 38 | 4 9 |
| M15 | 21 3 | 14 43 | 0 58 | 23 23 | 0 42 | 22 40 | 0 37 | 23 32 | 0 15 | 0 32 | 1 13 | 6 21 | 2 23 | 23 17 | 0 6 | 18 41 | 1 38 | 15 19 | 12 41 | 18 39 | 18 19 | 11 56 | 0 39 | 4 9 |
| T 16 | 20 52 | 19 24 | 0n12 | 23 20 | 0 49 | 22 40 | 0 35 | 23 33 | 0 16 | 0 32 | 1 14 | 6 22 | 2 23 | 23 17 | 0 6 | 18 42 | 1 38 | 15 20 | 12 42 | 18 39 | 18 18 | 11 53 | 0 40 | 4 8 |
| W17 | 20 40 | 23 3 | 1 21 | 23 16 | 0 55 | 22 40 | 0 32 | 23 35 | 0 17 | 0 32 | 1 14 | 6 22 | 2 23 | 23 17 | 0 6 | 18 42 | 1 38 | 15 20 | 12 42 | 18 39 | 18 17 | 11 50 | 0 40 | 4 8 |
| T 18 | 20 28 | 25 28 | 2 24 | 23 11 | 1 1 | 22 39 | 0 30 | 23 36 | 0 17 | 0 31 | 1 14 | 6 22 | 2 24 | 23 17 | 0 6 | 18 42 | 1 38 | 15 21 | 12 43 | 18 38 | 18 16 | 11 47 | 0 41 | 4 8 |
| F 19 | 20 16 | 26 33 | 3 19 | 23 4 | 1 7 | 22 38 | 0 27 | 23 37 | 0 18 | 0 31 | 1 14 | 6 23 | 2 24 | 23 17 | 0 6 | 18 42 | 1 38 | 15 21 | 12 43 | 18 36 | 18 15 | 11 44 | 0 42 | 4 8 |
| S 20 | 20 3 | 26 15 | 4 3 | 22 56 | 1 12 | 22 36 | 0 24 | 23 38 | 0 19 | 0 31 | 1 15 | 6 23 | 2 24 | 23 16 | 0 6 | 18 43 | 1 38 | 15 22 | 12 43 | 18 34 | 18 14 | 11 41 | 0 43 | 4 7 |
| S 21 | 19 50 | 24 38 | 4 36 | 22 46 | 1 18 | 22 33 | 0 22 | 23 38 | 0 19 | 0 30 | 1 15 | 6 23 | 2 25 | 23 16 | 0 6 | 18 43 | 1 38 | 15 23 | 12 44 | 18 31 | 18 14 | 11 39 | 0 43 | 4 7 |
| M22 | 19 37 | 21 55 | 4 55 | 22 36 | 1 23 | 22 29 | 0 19 | 23 38 | 0 20 | 0 30 | 1 15 | 6 23 | 2 25 | 23 16 | 0 6 | 18 43 | 1 38 | 15 24 | 12 44 | 18 28 | 18 13 | 11 36 | 0 44 | 4 7 |
| T 23 | 19 23 | 18 16 | 5 1 | 22 24 | 1 28 | 22 25 | 0 16 | 23 39 | 0 21 | 0 29 | 1 16 | 6 23 | 2 25 | 23 16 | 0 6 | 18 43 | 1 39 | 15 24 | 12 44 | 18 25 | 18 12 | 11 33 | 0 45 | 4 7 |
| W24 | 19 9 | 13 55 | 4 53 | 22 10 | 1 33 | 22 20 | 0 14 | 23 38 | 0 21 | 0 29 | 1 16 | 6 23 | 2 25 | 23 16 | 0 6 | 18 44 | 1 39 | 15 25 | 12 45 | 18 21 | 18 11 | 11 30 | 0 46 | 4 6 |
| T 25 | 18 55 | 9 4 | 4 33 | 21 56 | 1 37 | 22 14 | 0 11 | 23 38 | 0 22 | 0 28 | 1 16 | 6 23 | 2 26 | 23 16 | 0 6 | 18 44 | 1 39 | 15 26 | 12 45 | 18 19 | 18 10 | 11 27 | 0 47 | 4 6 |
| F 26 | 18 40 | 3 55 | 4 1 | 21 40 | 1 41 | 22 8 | 0 9 | 23 37 | 0 23 | 0 27 | 1 16 | 6 23 | 2 26 | 23 16 | 0 6 | 18 44 | 1 39 | 15 26 | 12 46 | 18 16 | 18 10 | 11 24 | 0 48 | 4 6 |
| S 27 | 18 25 | 1s23 | 3 19 | 21 23 | 1 45 | 22 1 | 0 6 | 23 37 | 0 23 | 0 26 | 1 17 | 6 23 | 2 26 | 23 16 | 0 6 | 18 44 | 1 39 | 15 27 | 12 46 | 18 15 | 18 9 | 11 22 | 0 49 | 4 6 |
| S 28 | 18 9 | 6 42 | 2 27 | 21 4 | 1 49 | 21 53 | 0 3 | 23 36 | 0 24 | 0 25 | 1 17 | 6 23 | 2 27 | 23 16 | 0 6 | 18 44 | 1 39 | 15 28 | 12 46 | 18 14 | 18 8 | 11 19 | 0 50 | 4 5 |
| M29 | 17 53 | 11 51 | 1 28 | 20 44 | 1 52 | 21 45 | 0 1 | 23 34 | 0 25 | 0 24 | 1 17 | 6 23 | 2 27 | 23 16 | 0 6 | 18 44 | 1 39 | 15 28 | 12 47 | 18 14 | 18 7 | 11 16 | 0 51 | 4 5 |
| T 30 | 17 37 | 16 38 | 0 24 | 20 23 | 1 55 | 21 36 | 0s 2 | 23 33 | 0 25 | 0 23 | 1 17 | 6 23 | 2 27 | 23 16 | 0 6 | 18 45 | 1 39 | 15 29 | 12 47 | 18 14 | 18 6 | 11 13 | 0 52 | 4 5 |
| W31 | 17s20 | 20s50 | 0s43 | 20s 0 | 1s58 | 21s26 | 0s 4 | 23s31 | 0s26 | 0s22 | 1n18 | 6s22 | 2n27 | 23n16 | 0n 6 | 18s45 | 1n39 | 15n30 | 12n47 | 18n14 | 18n 6 | 11n10 | 0n53 | 4n 5 |

Julian Day Number = 2799621.5, Delta T = 49m54s
Ecliptic obliquity = 23°19'02, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°04'48, Lahiri = 37°11'48


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# ASTRODIENST EPHEMERIS for the year 2953
# geocentric

## FEBRUARY 2953 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 47 1 | 12♒10'02 | 13♐34 | 9♒52 | 24♑15 | 8♑36 | 3°R54 | 22°R20 | 23°R38 | 1♐33 | 20°R27 | 22°R12 | 21♉38 | 12♍53 | 22♓47 | T 1 |
| F 2 | 8 50 58 | 13°11'06 | 27°12 | 11°31 | 25°30 | 9°19 | 3♎51 | 22♎20 | 23♊36 | 1°34 | 20♍25 | 22♉ 8 | 21°34 | 13° 0 | 22°50 | F 2 |
| S 3 | 8 54 54 | 14°12'10 | 11♑19 | 13°11 | 26°45 | 10° 2 | 3°48 | 22°20 | 23°35 | 1°35 | 20°24 | 22° 1 | 21°31 | 13° 7 | 22°53 | S 3 |
| S 4 | 8 58 51 | 15°13'14 | 25°55 | 14°51 | 28° 0 | 10°45 | 3°45 | 22°20 | 23°34 | 1°36 | 20°23 | 21°52 | 21°28 | 13°13 | 22°56 | S 4 |
| M 5 | 9 2 48 | 16°14'17 | 10♒53 | 16°32 | 29°15 | 11°28 | 3°42 | 22°19 | 23°32 | 1°37 | 20°22 | 21°41 | 21°25 | 13°20 | 23° 0 | M 5 |
| T 6 | 9 6 44 | 17°15'19 | 26° 4 | 18°13 | 0♒31 | 12°11 | 3°38 | 22°18 | 23°31 | 1°37 | 20°21 | 21°29 | 21°22 | 13°27 | 23° 3 | T 6 |
| W 7 | 9 10 41 | 18°16'21 | 11♓17 | 19°55 | 1°46 | 12°54 | 3°35 | 22°18 | 23°30 | 1°38 | 20°19 | 21°17 | 21°19 | 13°33 | 23° 6 | W 7 |
| T 8 | 9 14 37 | 19°17'21 | 26°21 | 21°37 | 3° 1 | 13°37 | 3°31 | 22°17 | 23°29 | 1°39 | 20°18 | 21° 8 | 21°15 | 13°40 | 23°10 | T 8 |
| F 9 | 9 18 34 | 20°18'21 | 11♈ 8 | 23°20 | 4°16 | 14°20 | 3°27 | 22°16 | 23°28 | 1°40 | 20°17 | 21° 2 | 21°12 | 13°47 | 23°13 | F 9 |
| S 10 | 9 22 30 | 21°19'20 | 25°32 | 25° 3 | 5°31 | 15° 3 | 3°23 | 22°15 | 23°27 | 1°41 | 20°16 | 20°58 | 21° 9 | 13°54 | 23°16 | S 10 |
| S 11 | 9 26 27 | 22°20'18 | 9♉31 | 26°47 | 6°46 | 15°47 | 3°18 | 22°14 | 23°26 | 1°41 | 20°14 | 20°56 | 21° 6 | 14° 0 | 23°20 | S 11 |
| M12 | 9 30 23 | 23°21'15 | 23° 5 | 28°32 | 8° 2 | 16°30 | 3°14 | 22°13 | 23°25 | 1°42 | 20°13 | 20°56 | 21° 3 | 14° 7 | 23°23 | M12 |
| T 13 | 9 34 20 | 24°22'10 | 6♊16 | 0♓17 | 9°17 | 17°13 | 3° 9 | 22°11 | 23°24 | 1°43 | 20°12 | 20°56 | 20°59 | 14°14 | 23°27 | T 13 |
| W14 | 9 38 17 | 25°23'05 | 19° 8 | 2° 2 | 10°32 | 17°57 | 3° 4 | 22°10 | 23°23 | 1°43 | 20°10 | 20°54 | 20°56 | 14°20 | 23°30 | W14 |
| T 15 | 9 42 13 | 26°23'58 | 1♋44 | 3°48 | 11°47 | 18°40 | 3° 0 | 22° 8 | 23°22 | 1°44 | 20° 9 | 20°50 | 20°53 | 14°27 | 23°34 | T 15 |
| F 16 | 9 46 10 | 27°24'50 | 14° 9 | 5°34 | 13° 2 | 19°23 | 2°54 | 22° 7 | 23°22 | 1°44 | 20° 8 | 20°43 | 20°50 | 14°34 | 23°37 | F 16 |
| S 17 | 9 50 6 | 28°25'41 | 26°24 | 7°20 | 14°17 | 20° 7 | 2°49 | 22° 5 | 23°21 | 1°45 | 20° 6 | 20°33 | 20°47 | 14°41 | 23°41 | S 17 |
| S 18 | 9 54 3 | 29°26'31 | 8♌31 | 9° 7 | 15°33 | 20°50 | 2°44 | 22° 3 | 23°20 | 1°45 | 20° 5 | 20°21 | 20°44 | 14°47 | 23°44 | S 18 |
| M19 | 9 57 59 | 0♓27'20 | 20°32 | 10°53 | 16°48 | 21°34 | 2°38 | 22° 1 | 23°20 | 1°46 | 20° 3 | 20° 6 | 20°40 | 14°54 | 23°48 | M19 |
| T 20 | 10 1 56 | 1°28'07 | 2♍29 | 12°39 | 18° 3 | 22°17 | 2°32 | 21°59 | 23°19 | 1°46 | 20° 2 | 19°52 | 20°37 | 15° 1 | 23°52 | T 20 |
| W21 | 10 5 52 | 2°28'54 | 14°22 | 14°24 | 19°18 | 23° 1 | 2°26 | 21°57 | 23°19 | 1°46 | 20° 0 | 19°38 | 20°34 | 15° 7 | 23°55 | W21 |
| T 22 | 10 9 49 | 3°29'39 | 26°14 | 16° 9 | 20°33 | 23°45 | 2°20 | 21°55 | 23°18 | 1°47 | 19°59 | 19°26 | 20°31 | 15°14 | 23°59 | T 22 |
| F 23 | 10 13 46 | 4°30'23 | 8♎ 4 | 17°53 | 21°48 | 24°28 | 2°14 | 21°52 | 23°18 | 1°47 | 19°58 | 19°16 | 20°28 | 15°21 | 24° 3 | F 23 |
| S 24 | 10 17 42 | 5°31'06 | 19°57 | 19°35 | 23° 3 | 25°12 | 2° 8 | 21°50 | 23°18 | 1°47 | 19°56 | 19° 9 | 20°24 | 15°28 | 24° 6 | S 24 |
| S 25 | 10 21 39 | 6°31'48 | 1♏55 | 21°16 | 24°19 | 25°56 | 2° 2 | 21°47 | 23°17 | 1°48 | 19°55 | 19° 6 | 20°21 | 15°34 | 24°10 | S 25 |
| M26 | 10 25 35 | 7°32'29 | 14° 1 | 22°55 | 25°34 | 26°39 | 1°55 | 21°45 | 23°17 | 1°48 | 19°53 | 19°D 4 | 20°18 | 15°41 | 24°14 | M26 |
| T 27 | 10 29 32 | 8°33'09 | 26°22 | 24°31 | 26°49 | 27°23 | 1°49 | 21°42 | 23°17 | 1°48 | 19°52 | 19° 4 | 20°15 | 15°48 | 24°17 | T 27 |
| W28 | 10 33 28 | 9♓33'49 | 9♐ 0 | 26♓ 4 | 28♒ 4 | 28♑ 7 | 1♎42 | 21♎39 | 23♊17 | 1♐48 | 19♍50 | 19°R 5 | 20♉12 | 15♍54 | 24♓21 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s 4 | 24s 8 | 1s50 | 19s37 | 2s 0 | 21s16 | 0s 7 | 23s29 | 0s27 | 0s21 | 1n18 | 6s22 | 2n28 | 23n16 | 0n 6 | 18s45 | 1n39 | 15n31 | 12n48 | 18n14 | 18n 5 | 11n 7 | 0n54 | 4n 4 |
| F 2 | 16 47 | 26 11 | 2 53 | 19 12 | 2 2 | 21 5 | 0 10 | 23 27 | 0 27 | 0 20 | 1 18 | 6 22 | 2 28 | 23 16 | 0 6 | 18 45 | 1 39 | 15 31 | 12 48 | 18 13 | 18 4 | 11 4 | 0 55 | 4 4 |
| S 3 | 16 29 | 26 38 | 3 48 | 18 45 | 2 4 | 20 54 | 0 12 | 23 24 | 0 28 | 0 18 | 1 18 | 6 21 | 2 28 | 23 15 | 0 6 | 18 45 | 1 39 | 15 32 | 12 48 | 18 11 | 18 3 | 11 1 | 0 56 | 4 4 |
| S 4 | 16 11 | 25 17 | 4 30 | 18 17 | 2 5 | 20 42 | 0 15 | 23 22 | 0 29 | 0 17 | 1 19 | 6 21 | 2 28 | 23 15 | 0 6 | 18 45 | 1 39 | 15 33 | 12 48 | 18 8 | 18 2 | 10 59 | 0 57 | 4 4 |
| M 5 | 15 53 | 22 8 | 4 55 | 17 48 | 2 6 | 20 29 | 0 17 | 23 19 | 0 29 | 0 15 | 1 19 | 6 20 | 2 29 | 23 15 | 0 6 | 18 46 | 1 39 | 15 34 | 12 49 | 18 6 | 18 1 | 10 56 | 0 58 | 4 4 |
| T 6 | 15 35 | 17 27 | 4 59 | 17 18 | 2 6 | 20 15 | 0 20 | 23 16 | 0 30 | 0 14 | 1 19 | 6 20 | 2 29 | 23 15 | 0 6 | 18 46 | 1 39 | 15 34 | 12 49 | 18 2 | 18 1 | 10 53 | 0 59 | 4 3 |
| W 7 | 15 17 | 11 39 | 4 42 | 16 46 | 2 6 | 20 1 | 0 22 | 23 12 | 0 31 | 0 12 | 1 19 | 6 19 | 2 29 | 23 15 | 0 6 | 18 46 | 1 39 | 15 35 | 12 49 | 17 59 | 18 0 | 10 50 | 1 0 | 4 3 |
| T 8 | 14 58 | 5 12 | 4 6 | 16 13 | 2 6 | 19 47 | 0 24 | 23 9 | 0 32 | 0 10 | 1 20 | 6 19 | 2 30 | 23 15 | 0 6 | 18 46 | 1 39 | 15 36 | 12 50 | 17 57 | 17 59 | 10 47 | 1 1 | 4 3 |
| F 9 | 14 39 | 1n25 | 3 13 | 15 39 | 2 5 | 19 32 | 0 27 | 23 5 | 0 32 | 0 8 | 1 20 | 6 18 | 2 30 | 23 15 | 0 6 | 18 46 | 1 39 | 15 37 | 12 50 | 17 55 | 17 58 | 10 44 | 1 2 | 4 3 |
| S 10 | 14 19 | 7 49 | 2 10 | 15 3 | 2 4 | 19 16 | 0 29 | 23 1 | 0 33 | 0 7 | 1 20 | 6 18 | 2 30 | 23 15 | 0 6 | 18 46 | 1 39 | 15 37 | 12 50 | 17 54 | 17 57 | 10 41 | 1 4 | 4 3 |
| S 11 | 14 0 | 13 38 | 1 0 | 14 26 | 2 2 | 19 0 | 0 31 | 22 57 | 0 34 | 0 5 | 1 20 | 6 17 | 2 30 | 23 15 | 0 6 | 18 46 | 1 39 | 15 38 | 12 50 | 17 54 | 17 56 | 10 38 | 1 5 | 4 2 |
| M12 | 13 40 | 18 38 | 0n11 | 13 48 | 2 0 | 18 43 | 0 34 | 22 52 | 0 34 | 0 3 | 1 21 | 6 16 | 2 31 | 23 15 | 0 6 | 18 46 | 1 40 | 15 39 | 12 51 | 17 54 | 17 56 | 10 35 | 1 6 | 4 2 |
| T 13 | 13 20 | 22 33 | 1 20 | 13 9 | 1 58 | 18 25 | 0 36 | 22 48 | 0 35 | 0 1 | 1 21 | 6 16 | 2 31 | 23 15 | 0 6 | 18 46 | 1 40 | 15 40 | 12 51 | 17 54 | 17 55 | 10 32 | 1 7 | 4 2 |
| W14 | 13 0 | 25 15 | 2 23 | 12 29 | 1 54 | 18 7 | 0 38 | 22 43 | 0 36 | 0n 1 | 1 21 | 6 15 | 2 31 | 23 15 | 0 6 | 18 46 | 1 40 | 15 40 | 12 51 | 17 53 | 17 54 | 10 30 | 1 8 | 4 2 |
| T 15 | 12 39 | 26 36 | 3 17 | 11 47 | 1 51 | 17 49 | 0 41 | 22 38 | 0 36 | 0 4 | 1 21 | 6 14 | 2 31 | 23 15 | 0 6 | 18 46 | 1 40 | 15 41 | 12 51 | 17 52 | 17 53 | 10 27 | 1 10 | 4 2 |
| F 16 | 12 19 | 26 34 | 4 2 | 11 4 | 1 46 | 17 30 | 0 43 | 22 32 | 0 37 | 0 6 | 1 22 | 6 13 | 2 32 | 23 15 | 0 6 | 18 46 | 1 40 | 15 42 | 12 52 | 17 51 | 17 52 | 10 24 | 1 11 | 4 2 |
| S 17 | 11 58 | 25 15 | 4 34 | 10 20 | 1 41 | 17 10 | 0 45 | 22 27 | 0 38 | 0 8 | 1 22 | 6 12 | 2 32 | 23 15 | 0 6 | 18 47 | 1 40 | 15 43 | 12 52 | 17 48 | 17 51 | 10 21 | 1 12 | 4 1 |
| S 18 | 11 37 | 22 45 | 4 53 | 9 35 | 1 36 | 16 50 | 0 47 | 22 21 | 0 39 | 0 10 | 1 22 | 6 11 | 2 32 | 23 15 | 0 6 | 18 47 | 1 40 | 15 43 | 12 52 | 17 45 | 17 51 | 10 18 | 1 13 | 4 1 |
| M19 | 11 15 | 19 18 | 5 0 | 8 50 | 1 29 | 16 30 | 0 49 | 22 15 | 0 39 | 0 13 | 1 22 | 6 10 | 2 32 | 23 15 | 0 6 | 18 47 | 1 40 | 15 44 | 12 52 | 17 41 | 17 50 | 10 15 | 1 15 | 4 1 |
| T 20 | 10 54 | 15 5 | 4 52 | 8 3 | 1 22 | 16 9 | 0 51 | 22 9 | 0 40 | 0 15 | 1 22 | 6 9 | 2 33 | 23 15 | 0 6 | 18 47 | 1 40 | 15 45 | 12 53 | 17 37 | 17 49 | 10 12 | 1 16 | 4 1 |
| W21 | 10 32 | 10 19 | 4 33 | 7 16 | 1 15 | 15 48 | 0 53 | 22 2 | 0 41 | 0 18 | 1 23 | 6 8 | 2 33 | 23 15 | 0 6 | 18 47 | 1 40 | 15 46 | 12 53 | 17 33 | 17 48 | 10 9 | 1 17 | 4 1 |
| T 22 | 10 10 | 5 11 | 4 1 | 6 28 | 1 7 | 15 26 | 0 55 | 21 55 | 0 41 | 0 20 | 1 23 | 6 7 | 2 33 | 23 15 | 0 6 | 18 47 | 1 40 | 15 46 | 12 53 | 17 30 | 17 47 | 10 6 | 1 18 | 4 1 |
| F 23 | 9 49 | 0s 8 | 3 19 | 5 39 | 0 58 | 15 4 | 0 57 | 21 48 | 0 42 | 0 23 | 1 23 | 6 6 | 2 33 | 23 15 | 0 6 | 18 47 | 1 40 | 15 47 | 12 53 | 17 27 | 17 46 | 10 3 | 1 20 | 4 0 |
| S 24 | 9 26 | 5 29 | 2 28 | 4 50 | 0 48 | 14 41 | 0 58 | 21 41 | 0 43 | 0 26 | 1 23 | 6 5 | 2 34 | 23 15 | 0 6 | 18 47 | 1 40 | 15 48 | 12 53 | 17 25 | 17 46 | 10 0 | 1 21 | 4 0 |
| S 25 | 9 4 | 10 40 | 1 30 | 4 1 | 0 38 | 14 18 | 1 0 | 21 34 | 0 44 | 0 28 | 1 23 | 6 4 | 2 34 | 23 15 | 0 6 | 18 47 | 1 40 | 15 49 | 12 53 | 17 24 | 17 45 | 9 57 | 1 22 | 4 0 |
| M26 | 8 42 | 15 32 | 0 27 | 3 12 | 0 27 | 13 54 | 1 2 | 21 27 | 0 44 | 0 31 | 1 23 | 6 3 | 2 34 | 23 15 | 0 6 | 18 47 | 1 40 | 15 49 | 12 54 | 17 24 | 17 44 | 9 54 | 1 24 | 4 0 |
| T 27 | 8 19 | 19 52 | 0s39 | 2 24 | 0 15 | 13 31 | 1 4 | 21 19 | 0 45 | 0 34 | 1 24 | 6 2 | 2 34 | 23 15 | 0 6 | 18 47 | 1 40 | 15 50 | 12 54 | 17 24 | 17 43 | 9 51 | 1 25 | 4 0 |
| W28 | 7s57 | 23s24 | 1s44 | 1s36 | 0s 3 | 13s 6 | 1s 5 | 21s11 | 0s46 | 0n37 | 1n24 | 6s 0 | 2n35 | 23n15 | 0n 6 | 18s47 | 1n40 | 15n51 | 12n54 | 17n24 | 17n42 | 9n48 | 1n27 | 4n 0 |

Julian Day Number = 2799652.5, Delta T = 49m54s
Ecliptic obliquity = 23°19'02, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°04'52, Lahiri = 37°11'53


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# ASTRODIENST EPHEMERIS for the year 2953
# geocentric

## MARCH 2953 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 37 25 | 10♓34'27 | 22♐ 2 | 27♓33 | 29♒19 | 28♑51 | 1°R35 | 21°R36 | 23°D17 | 1♐48 | 19°R49 | 19°R 4 | 20♉ 9 | 16♍ 1 | 24♓25 | T 1 |
| F 2 | 10 41 21 | 11°35'04 | 5♑32 | 28°58 | 0♓34 | 29°35 | 1♎28 | 21♎33 | 23♊17 | 1°48 | 19♍47 | 19♉ 2 | 20° 5 | 16° 8 | 24°29 | F 2 |
| S 3 | 10 45 18 | 12°35'40 | 19°30 | 0♈18 | 1°49 | 0♒19 | 1°21 | 21°30 | 23°17 | 1°R48 | 19°46 | 18°57 | 20° 2 | 16°14 | 24°33 | S 3 |
| S 4 | 10 49 15 | 13°36'15 | 3♒59 | 1°32 | 3° 4 | 1° 3 | 1°14 | 21°27 | 23°17 | 1°48 | 19°44 | 18°49 | 19°59 | 16°21 | 24°36 | S 4 |
| M 5 | 10 53 11 | 14°36'48 | 18°53 | 2°40 | 4°20 | 1°47 | 1° 7 | 21°24 | 23°17 | 1°48 | 19°42 | 18°40 | 19°56 | 16°28 | 24°40 | M 5 |
| T 6 | 10 57 8 | 15°37'20 | 4♓ 5 | 3°41 | 5°35 | 2°31 | 0°59 | 21°21 | 23°17 | 1°48 | 19°41 | 18°30 | 19°53 | 16°35 | 24°44 | T 6 |
| W 7 | 11 1 4 | 16°37'51 | 19°26 | 4°34 | 6°50 | 3°15 | 0°52 | 21°17 | 23°18 | 1°48 | 19°39 | 18°21 | 19°50 | 16°41 | 24°48 | W 7 |
| T 8 | 11 5 1 | 17°38'20 | 4♈42 | 5°19 | 8° 5 | 3°59 | 0°45 | 21°14 | 23°18 | 1°48 | 19°38 | 18°13 | 19°46 | 16°48 | 24°52 | T 8 |
| F 9 | 11 8 57 | 18°38'48 | 19°45 | 5°55 | 9°20 | 4°43 | 0°37 | 21°10 | 23°18 | 1°48 | 19°36 | 18° 7 | 19°43 | 16°55 | 24°55 | F 9 |
| S 10 | 11 12 54 | 19°39'14 | 4♉24 | 6°22 | 10°35 | 5°27 | 0°30 | 21° 7 | 23°19 | 1°48 | 19°35 | 18° 4 | 19°40 | 17° 1 | 24°59 | S 10 |
| S 11 | 11 16 50 | 20°39'38 | 18°37 | 6°39 | 11°50 | 6°11 | 0°22 | 21° 3 | 23°19 | 1°47 | 19°33 | 18°D 3 | 19°37 | 17° 8 | 25° 3 | S 11 |
| M12 | 11 20 47 | 21°40'00 | 2♊22 | 6°R46 | 13° 5 | 6°55 | 0°14 | 20°59 | 23°20 | 1°47 | 19°32 | 18° 4 | 19°34 | 17°15 | 25° 7 | M12 |
| T 13 | 11 24 43 | 22°40'20 | 15°39 | 6°43 | 14°20 | 7°40 | 0° 7 | 20°55 | 23°20 | 1°47 | 19°30 | 18° 5 | 19°30 | 17°22 | 25°11 | T 13 |
| W14 | 11 28 40 | 23°40'39 | 28°33 | 6°31 | 15°35 | 8°24 | 29♍59 | 20°51 | 23°21 | 1°46 | 19°29 | 18°R 5 | 19°27 | 17°28 | 25°15 | W14 |
| T 15 | 11 32 37 | 24°40'55 | 11♋ 8 | 6° 9 | 16°50 | 9° 8 | 29°51 | 20°48 | 23°22 | 1°46 | 19°27 | 18° 3 | 19°24 | 17°35 | 25°18 | T 15 |
| F 16 | 11 36 33 | 25°41'10 | 23°27 | 5°39 | 18° 5 | 9°52 | 29°43 | 20°44 | 23°22 | 1°46 | 19°26 | 18° 0 | 19°21 | 17°42 | 25°22 | F 16 |
| S 17 | 11 40 30 | 26°41'22 | 5♌34 | 5° 0 | 19°20 | 10°37 | 29°35 | 20°40 | 23°23 | 1°45 | 19°24 | 17°54 | 19°18 | 17°48 | 25°26 | S 17 |
| S 18 | 11 44 26 | 27°41'33 | 17°34 | 4°15 | 20°35 | 11°21 | 29°28 | 20°35 | 23°24 | 1°45 | 19°22 | 17°46 | 19°15 | 17°55 | 25°30 | S 18 |
| M19 | 11 48 23 | 28°41'41 | 29°29 | 3°24 | 21°50 | 12° 5 | 29°20 | 20°31 | 23°25 | 1°44 | 19°21 | 17°36 | 19°11 | 18° 2 | 25°34 | M19 |
| T 20 | 11 52 19 | 29°41'48 | 11♍21 | 2°28 | 23° 5 | 12°50 | 29°12 | 20°27 | 23°26 | 1°44 | 19°19 | 17°27 | 19° 8 | 18° 8 | 25°38 | T 20 |
| W21 | 11 56 16 | 0♈41'53 | 23°12 | 1°29 | 24°20 | 13°34 | 29° 4 | 20°23 | 23°27 | 1°43 | 19°18 | 17°17 | 19° 5 | 18°15 | 25°42 | W21 |
| T 22 | 12 0 12 | 1°41'56 | 5♎ 4 | 0°28 | 25°35 | 14°19 | 28°56 | 20°18 | 23°28 | 1°43 | 19°16 | 17° 9 | 19° 2 | 18°22 | 25°45 | T 22 |
| F 23 | 12 4 9 | 2°41'57 | 16°59 | 29♓28 | 26°50 | 15° 3 | 28°48 | 20°14 | 23°29 | 1°42 | 19°15 | 17° 3 | 18°59 | 18°29 | 25°49 | F 23 |
| S 24 | 12 8 6 | 3°41'56 | 28°58 | 28°28 | 28° 5 | 15°48 | 28°41 | 20°10 | 23°30 | 1°41 | 19°13 | 16°59 | 18°56 | 18°35 | 25°53 | S 24 |
| S 25 | 12 12 2 | 4°41'54 | 11♏ 3 | 27°30 | 29°20 | 16°32 | 28°33 | 20° 5 | 23°31 | 1°41 | 19°12 | 16°D57 | 18°52 | 18°42 | 25°57 | S 25 |
| M26 | 12 15 59 | 5°41'50 | 23°18 | 26°37 | 0♈34 | 17°17 | 28°25 | 20° 1 | 23°33 | 1°40 | 19°11 | 16°57 | 18°49 | 18°49 | 26° 1 | M26 |
| T 27 | 12 19 55 | 6°41'45 | 5♐44 | 25°47 | 1°49 | 18° 1 | 28°17 | 19°56 | 23°34 | 1°39 | 19° 9 | 16°59 | 18°46 | 18°55 | 26° 4 | T 27 |
| W28 | 12 23 52 | 7°41'38 | 18°26 | 25° 3 | 3° 4 | 18°46 | 28°10 | 19°52 | 23°35 | 1°38 | 19° 8 | 17° 0 | 18°43 | 19° 2 | 26° 8 | W28 |
| T 29 | 12 27 48 | 8°41'29 | 1♑27 | 24°24 | 4°19 | 19°31 | 28° 2 | 19°47 | 23°37 | 1°38 | 19° 6 | 17° 1 | 18°40 | 19° 9 | 26°12 | T 29 |
| F 30 | 12 31 45 | 9°41'19 | 14°50 | 23°51 | 5°34 | 20°15 | 27°55 | 19°43 | 23°38 | 1°37 | 19° 5 | 17°R 1 | 18°36 | 19°16 | 26°16 | F 30 |
| S 31 | 12 35 41 | 10♈41'07 | 28♑39 | 23♓25 | 6♈49 | 21♒ 0 | 27♍47 | 19♎38 | 23♊40 | 1♐36 | 19♍ 3 | 17♉ 0 | 18♉33 | 19♍22 | 26♓20 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7s34 | 25s50 | 2s46 | 0s49 | 0n10 | 12s42 | 1s 7 | 21s 3 | 0s46 | 0n39 | 1n24 | 5s59 | 2n35 | 23n15 | 0n 6 | 18s47 | 1n40 | 15n52 | 12n54 | 17n24 | 17n41 | 9n45 | 1n28 | 4n 0 |
| F 2 | 7 11 | 26 53 | 3 41 | 0 3 | 0 24 | 12 17 | 1 8 | 20 54 | 0 47 | 0 42 | 1 24 | 5 58 | 2 35 | 23 15 | 0 6 | 18 47 | 1 41 | 15 52 | 12 54 | 17 23 | 17 41 | 9 43 | 1 29 | 4 0 |
| S 3 | 6 48 | 26 16 | 4 24 | 0n42 | 0 38 | 11 52 | 1 10 | 20 46 | 0 48 | 0 45 | 1 24 | 5 56 | 2 35 | 23 15 | 0 6 | 18 46 | 1 41 | 15 53 | 12 54 | 17 22 | 17 40 | 9 40 | 1 31 | 3 59 |
| S 4 | 6 25 | 23 54 | 4 53 | 1 25 | 0 52 | 11 26 | 1 11 | 20 37 | 0 49 | 0 48 | 1 24 | 5 55 | 2 36 | 23 15 | 0 6 | 18 46 | 1 41 | 15 54 | 12 54 | 17 20 | 17 39 | 9 37 | 1 32 | 3 59 |
| M 5 | 6 2 | 19 53 | 5 3 | 2 5 | 1 7 | 11 0 | 1 13 | 20 28 | 0 49 | 0 51 | 1 25 | 5 54 | 2 36 | 23 15 | 0 6 | 18 46 | 1 41 | 15 54 | 12 55 | 17 18 | 17 38 | 9 34 | 1 33 | 3 59 |
| T 6 | 5 38 | 14 30 | 4 52 | 2 43 | 1 22 | 10 34 | 1 14 | 20 19 | 0 50 | 0 54 | 1 25 | 5 52 | 2 36 | 23 15 | 0 6 | 18 46 | 1 41 | 15 55 | 12 55 | 17 15 | 17 37 | 9 31 | 1 35 | 3 59 |
| W 7 | 5 15 | 8 9 | 4 20 | 3 18 | 1 37 | 10 7 | 1 15 | 20 9 | 0 51 | 0 57 | 1 25 | 5 51 | 2 36 | 23 15 | 0 6 | 18 46 | 1 41 | 15 56 | 12 55 | 17 12 | 17 36 | 9 28 | 1 36 | 3 59 |
| T 8 | 4 52 | 1 21 | 3 30 | 3 49 | 1 52 | 9 41 | 1 16 | 20 0 | 0 51 | 1 0 | 1 25 | 5 49 | 2 36 | 23 15 | 0 6 | 18 46 | 1 41 | 15 57 | 12 55 | 17 10 | 17 35 | 9 25 | 1 38 | 3 59 |
| F 9 | 4 28 | 5n26 | 2 25 | 4 17 | 2 7 | 9 14 | 1 17 | 19 50 | 0 52 | 1 3 | 1 25 | 5 48 | 2 37 | 23 15 | 0 6 | 18 46 | 1 41 | 15 57 | 12 55 | 17 8 | 17 35 | 9 22 | 1 39 | 3 59 |
| S 10 | 4 5 | 11 47 | 1 12 | 4 40 | 2 21 | 8 46 | 1 18 | 19 40 | 0 53 | 1 6 | 1 25 | 5 46 | 2 37 | 23 15 | 0 6 | 18 46 | 1 41 | 15 58 | 12 55 | 17 8 | 17 34 | 9 19 | 1 41 | 3 59 |
| S 11 | 3 41 | 17 20 | 0n 3 | 5 0 | 2 35 | 8 19 | 1 19 | 19 30 | 0 54 | 1 10 | 1 25 | 5 45 | 2 37 | 23 15 | 0 6 | 18 46 | 1 41 | 15 59 | 12 55 | 17 7 | 17 33 | 9 16 | 1 42 | 3 59 |
| M12 | 3 17 | 21 46 | 1 16 | 5 14 | 2 47 | 7 51 | 1 20 | 19 19 | 0 54 | 1 13 | 1 25 | 5 43 | 2 37 | 23 15 | 0 6 | 18 46 | 1 41 | 15 59 | 12 55 | 17 8 | 17 32 | 9 13 | 1 43 | 3 59 |
| T 13 | 2 54 | 24 54 | 2 22 | 5 24 | 2 59 | 7 23 | 1 21 | 19 9 | 0 55 | 1 16 | 1 25 | 5 42 | 2 37 | 23 15 | 0 6 | 18 46 | 1 41 | 16 0 | 12 55 | 17 8 | 17 31 | 9 10 | 1 45 | 3 59 |
| W14 | 2 30 | 26 38 | 3 19 | 5 29 | 3 10 | 6 55 | 1 22 | 18 58 | 0 56 | 1 19 | 1 26 | 5 40 | 2 37 | 23 15 | 0 6 | 18 45 | 1 41 | 16 1 | 12 55 | 17 8 | 17 30 | 9 7 | 1 46 | 3 58 |
| T 15 | 2 6 | 26 56 | 4 5 | 5 29 | 3 19 | 6 27 | 1 23 | 18 47 | 0 56 | 1 22 | 1 26 | 5 38 | 2 38 | 23 15 | 0 6 | 18 45 | 1 41 | 16 1 | 12 55 | 17 7 | 17 29 | 9 4 | 1 48 | 3 58 |
| F 16 | 1 42 | 25 52 | 4 39 | 5 23 | 3 26 | 5 58 | 1 23 | 18 36 | 0 57 | 1 25 | 1 26 | 5 37 | 2 38 | 23 15 | 0 6 | 18 45 | 1 41 | 16 2 | 12 55 | 17 6 | 17 29 | 9 1 | 1 49 | 3 58 |
| S 17 | 1 19 | 23 37 | 4 59 | 5 13 | 3 32 | 5 29 | 1 24 | 18 25 | 0 58 | 1 28 | 1 26 | 5 35 | 2 38 | 23 15 | 0 6 | 18 45 | 1 41 | 16 2 | 12 55 | 17 5 | 17 28 | 8 58 | 1 51 | 3 58 |
| S 18 | 0 55 | 20 21 | 5 6 | 4 58 | 3 35 | 5 1 | 1 25 | 18 14 | 0 59 | 1 32 | 1 26 | 5 33 | 2 38 | 23 15 | 0 6 | 18 45 | 1 41 | 16 3 | 12 55 | 17 2 | 17 27 | 8 55 | 1 52 | 3 58 |
| M19 | 0 31 | 16 16 | 5 0 | 4 40 | 3 37 | 4 32 | 1 25 | 18 2 | 0 59 | 1 35 | 1 26 | 5 32 | 2 38 | 23 15 | 0 6 | 18 45 | 1 41 | 16 4 | 12 55 | 17 0 | 17 26 | 8 52 | 1 54 | 3 58 |
| T 20 | 0 7 | 11 36 | 4 40 | 4 17 | 3 36 | 4 3 | 1 26 | 17 50 | 1 0 | 1 38 | 1 26 | 5 30 | 2 38 | 23 15 | 0 6 | 18 45 | 1 42 | 16 4 | 12 55 | 16 57 | 17 25 | 8 49 | 1 55 | 3 58 |
| W21 | 0n17 | 6 30 | 4 9 | 3 51 | 3 33 | 3 33 | 1 26 | 17 38 | 1 1 | 1 41 | 1 26 | 5 28 | 2 38 | 23 15 | 0 6 | 18 44 | 1 42 | 16 5 | 12 55 | 16 54 | 17 24 | 8 46 | 1 56 | 3 58 |
| T 22 | 0 40 | 1 9 | 3 26 | 3 23 | 3 28 | 3 4 | 1 26 | 17 26 | 1 1 | 1 44 | 1 26 | 5 27 | 2 39 | 23 15 | 0 6 | 18 44 | 1 42 | 16 5 | 12 55 | 16 52 | 17 23 | 8 43 | 1 58 | 3 58 |
| F 23 | 1 4 | 4s15 | 2 35 | 2 52 | 3 22 | 2 35 | 1 26 | 17 14 | 1 2 | 1 47 | 1 26 | 5 25 | 2 39 | 23 15 | 0 6 | 18 44 | 1 42 | 16 6 | 12 55 | 16 51 | 17 23 | 8 40 | 1 59 | 3 58 |
| S 24 | 1 28 | 9 33 | 1 36 | 2 21 | 3 13 | 2 5 | 1 27 | 17 1 | 1 3 | 1 50 | 1 26 | 5 23 | 2 39 | 23 15 | 0 6 | 18 44 | 1 42 | 16 7 | 12 55 | 16 49 | 17 22 | 8 37 | 2 1 | 3 58 |
| S 25 | 1 51 | 14 34 | 0 32 | 1 49 | 3 3 | 1 36 | 1 27 | 16 49 | 1 4 | 1 54 | 1 26 | 5 21 | 2 39 | 23 16 | 0 6 | 18 44 | 1 42 | 16 7 | 12 55 | 16 49 | 17 21 | 8 34 | 2 2 | 3 58 |
| M26 | 2 15 | 19 3 | 0s34 | 1 17 | 2 51 | 1 6 | 1 27 | 16 36 | 1 4 | 1 57 | 1 26 | 5 20 | 2 39 | 23 16 | 0 6 | 18 44 | 1 42 | 16 8 | 12 55 | 16 49 | 17 20 | 8 31 | 2 4 | 3 58 |
| T 27 | 2 39 | 22 48 | 1 40 | 0 46 | 2 39 | 0 36 | 1 27 | 16 23 | 1 5 | 2 0 | 1 26 | 5 18 | 2 39 | 23 16 | 0 6 | 18 43 | 1 42 | 16 8 | 12 55 | 16 49 | 17 19 | 8 28 | 2 5 | 3 58 |
| W28 | 3 2 | 25 31 | 2 43 | 0 16 | 2 25 | 0 7 | 1 27 | 16 10 | 1 6 | 2 3 | 1 26 | 5 16 | 2 39 | 23 16 | 0 6 | 18 43 | 1 42 | 16 9 | 12 55 | 16 50 | 17 18 | 8 24 | 2 7 | 3 58 |
| T 29 | 3 26 | 26 57 | 3 38 | 0s13 | 2 11 | 0n23 | 1 27 | 15 57 | 1 6 | 2 6 | 1 26 | 5 14 | 2 39 | 23 16 | 0 6 | 18 43 | 1 42 | 16 9 | 12 55 | 16 50 | 17 17 | 8 21 | 2 8 | 3 58 |
| F 30 | 3 49 | 26 52 | 4 24 | 0 39 | 1 56 | 0 53 | 1 26 | 15 43 | 1 7 | 2 9 | 1 26 | 5 13 | 2 39 | 23 16 | 0 6 | 18 43 | 1 42 | 16 10 | 12 55 | 16 50 | 17 16 | 8 18 | 2 10 | 3 58 |
| S 31 | 4n13 | 25s 9 | 4s56 | 1s 3 | 1n41 | 1n22 | 1s26 | 15s30 | 1s 8 | 2n12 | 1n26 | 5s11 | 2n39 | 23n16 | 0n 6 | 18s43 | 1n42 | 16n10 | 12n55 | 16n50 | 17n16 | 8n15 | 2n11 | 3n58 |

Julian Day Number = 2799680.5, Delta T = 49m55s
Ecliptic obliquity = 23°19'03, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°04'56, Lahiri = 37°11'56


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# ASTRODIENST EPHEMERIS for the year 2953
# geocentric

## APRIL 2953 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 39 38 | 11♈40'54 | 12♒53 | 23°R 5 | 8♈ 3 | 21♒45 | 27°R40 | 19°R33 | 23♊41 | 1°R35 | 19°R 2 | 16°R57 | 18♉30 | 19♍29 | 26♓23 | S 1 |
| M 2 | 12 43 35 | 12°40'38 | 27°30 | 22♓51 | 9°18 | 22°30 | 27♍32 | 19♎29 | 23°43 | 1♐34 | 19♍ 1 | 16♉53 | 18°27 | 19°36 | 26°27 | M 2 |
| T 3 | 12 47 31 | 13°40'21 | 12♓27 | 22°43 | 10°33 | 23°14 | 27°25 | 19°24 | 23°44 | 1°33 | 18°59 | 16°48 | 18°24 | 19°42 | 26°31 | T 3 |
| W 4 | 12 51 28 | 14°40'03 | 27°35 | 22°D42 | 11°48 | 23°59 | 27°18 | 19°19 | 23°46 | 1°32 | 18°58 | 16°43 | 18°21 | 19°49 | 26°34 | W 4 |
| T 5 | 12 55 24 | 15°39'42 | 12♈44 | 22°46 | 13° 2 | 24°44 | 27°10 | 19°15 | 23°48 | 1°31 | 18°56 | 16°39 | 18°17 | 19°56 | 26°38 | T 5 |
| F 6 | 12 59 21 | 16°39'19 | 27°45 | 22°56 | 14°17 | 25°29 | 27° 3 | 19°10 | 23°50 | 1°30 | 18°55 | 16°37 | 18°14 | 20° 2 | 26°42 | F 6 |
| S 7 | 13 3 17 | 17°38'55 | 12♉29 | 23°12 | 15°32 | 26°14 | 26°56 | 19° 5 | 23°51 | 1°29 | 18°54 | 16°D35 | 18°11 | 20° 9 | 26°45 | S 7 |
| S 8 | 13 7 14 | 18°38'28 | 26°50 | 23°33 | 16°47 | 26°58 | 26°50 | 19° 1 | 23°53 | 1°28 | 18°52 | 16°36 | 18° 8 | 20°16 | 26°49 | S 8 |
| M 9 | 13 11 10 | 19°37'59 | 10♊44 | 23°58 | 18° 1 | 27°43 | 26°43 | 18°56 | 23°55 | 1°27 | 18°51 | 16°37 | 18° 5 | 20°23 | 26°53 | M 9 |
| T 10 | 13 15 7 | 20°37'29 | 24°12 | 24°28 | 19°16 | 28°28 | 26°36 | 18°51 | 23°57 | 1°26 | 18°50 | 16°38 | 18° 1 | 20°29 | 26°56 | T 10 |
| W11 | 13 19 4 | 21°36'55 | 7♋13 | 25° 3 | 20°31 | 29°13 | 26°30 | 18°46 | 23°59 | 1°25 | 18°49 | 16°40 | 17°58 | 20°36 | 27° 0 | W11 |
| T 12 | 13 23 0 | 22°36'20 | 19°52 | 25°41 | 21°45 | 29°58 | 26°23 | 18°42 | 24° 1 | 1°24 | 18°47 | 16°R41 | 17°55 | 20°43 | 27° 3 | T 12 |
| F 13 | 13 26 57 | 23°35'42 | 2♌14 | 26°23 | 23° 0 | 0♓43 | 26°17 | 18°37 | 24° 3 | 1°22 | 18°46 | 16°40 | 17°52 | 20°49 | 27° 7 | F 13 |
| S 14 | 13 30 53 | 24°35'02 | 14°21 | 27° 9 | 24°14 | 1°28 | 26°11 | 18°32 | 24° 5 | 1°21 | 18°45 | 16°39 | 17°49 | 20°56 | 27°11 | S 14 |
| S 15 | 13 34 50 | 25°34'20 | 26°18 | 27°59 | 25°29 | 2°13 | 26° 5 | 18°28 | 24° 8 | 1°20 | 18°44 | 16°37 | 17°46 | 21° 3 | 27°14 | S 15 |
| M16 | 13 38 46 | 26°33'35 | 8♍11 | 28°51 | 26°44 | 2°58 | 25°59 | 18°23 | 24°10 | 1°19 | 18°43 | 16°34 | 17°42 | 21° 9 | 27°17 | M16 |
| T 17 | 13 42 43 | 27°32'49 | 20° 1 | 29°47 | 27°58 | 3°43 | 25°53 | 18°18 | 24°12 | 1°17 | 18°42 | 16°31 | 17°39 | 21°16 | 27°21 | T 17 |
| W18 | 13 46 39 | 28°32'00 | 1♎53 | 0♈45 | 29°13 | 4°28 | 25°47 | 18°14 | 24°14 | 1°16 | 18°40 | 16°28 | 17°36 | 21°23 | 27°24 | W18 |
| T 19 | 13 50 36 | 29°31'09 | 13°48 | 1°47 | 0♉27 | 5°13 | 25°42 | 18° 9 | 24°17 | 1°15 | 18°39 | 16°25 | 17°33 | 21°30 | 27°28 | T 19 |
| F 20 | 13 54 33 | 0♉30'15 | 25°50 | 2°51 | 1°42 | 5°58 | 25°36 | 18° 5 | 24°19 | 1°13 | 18°38 | 16°23 | 17°30 | 21°36 | 27°31 | F 20 |
| S 21 | 13 58 29 | 1°29'20 | 7♏59 | 3°57 | 2°56 | 6°43 | 25°31 | 18° 0 | 24°21 | 1°12 | 18°37 | 16°22 | 17°27 | 21°43 | 27°34 | S 21 |
| S 22 | 14 2 26 | 2°28'23 | 20°17 | 5° 6 | 4°10 | 7°28 | 25°26 | 17°56 | 24°24 | 1°11 | 18°36 | 16°D22 | 17°23 | 21°50 | 27°38 | S 22 |
| M23 | 14 6 22 | 3°27'24 | 2♐47 | 6°17 | 5°25 | 8°13 | 25°21 | 17°51 | 24°26 | 1° 9 | 18°35 | 16°23 | 17°20 | 21°56 | 27°41 | M23 |
| T 24 | 14 10 19 | 4°26'24 | 15°28 | 7°30 | 6°39 | 8°58 | 25°16 | 17°47 | 24°29 | 1° 8 | 18°34 | 16°24 | 17°17 | 22° 3 | 27°44 | T 24 |
| W25 | 14 14 15 | 5°25'21 | 28°24 | 8°46 | 7°54 | 9°43 | 25°12 | 17°42 | 24°31 | 1° 7 | 18°33 | 16°25 | 17°14 | 22°10 | 27°48 | W25 |
| T 26 | 14 18 12 | 6°24'17 | 11♑35 | 10° 3 | 9° 8 | 10°28 | 25° 7 | 17°38 | 24°34 | 1° 5 | 18°32 | 16°26 | 17°11 | 22°16 | 27°51 | T 26 |
| F 27 | 14 22 8 | 7°23'11 | 25° 2 | 11°23 | 10°22 | 11°14 | 25° 3 | 17°34 | 24°37 | 1° 4 | 18°31 | 16°26 | 17° 7 | 22°23 | 27°54 | F 27 |
| S 28 | 14 26 5 | 8°22'04 | 8♒48 | 12°44 | 11°37 | 11°59 | 24°59 | 17°30 | 24°39 | 1° 2 | 18°30 | 16°R26 | 17° 4 | 22°30 | 27°57 | S 28 |
| S 29 | 14 30 2 | 9°20'55 | 22°52 | 14° 8 | 12°51 | 12°44 | 24°55 | 17°25 | 24°42 | 1° 1 | 18°30 | 16°26 | 17° 1 | 22°37 | 28° 0 | S 29 |
| M30 | 14 33 58 | 10♉19'44 | 7♓12 | 15♈33 | 14♉ 5 | 13♓29 | 24♍51 | 17♎21 | 24♊45 | 0♐59 | 18♍29 | 16♉26 | 16♉58 | 22♍43 | 28♓ 3 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n36 | 21s49 | 5s11 | 1s25 | 1n26 | 1n52 | 1s26 | 15s16 | 1s 9 | 2n15 | 1n26 | 5s 9 | 2n40 | 23n16 | 0n 6 | 18s42 | 1n42 | 16n11 | 12n55 | 16n49 | 17n15 | 8n12 | 2n13 | 3n58 |
| M 2 | 4 59 | 17 4 | 5 6 | 1 45 | 1 11 | 2 22 | 1 25 | 15 2 | 1 9 | 2 17 | 1 26 | 5 7 | 2 40 | 23 16 | 0 6 | 18 42 | 1 42 | 16 11 | 12 55 | 16 48 | 17 14 | 8 9 | 2 14 | 3 58 |
| T 3 | 5 22 | 11 11 | 4 41 | 2 1 | 0 55 | 2 51 | 1 25 | 14 48 | 1 10 | 2 20 | 1 26 | 5 5 | 2 40 | 23 16 | 0 6 | 18 42 | 1 42 | 16 12 | 12 55 | 16 46 | 17 13 | 8 6 | 2 16 | 3 58 |
| W 4 | 5 45 | 4 34 | 3 56 | 2 16 | 0 41 | 3 21 | 1 24 | 14 34 | 1 11 | 2 23 | 1 26 | 5 4 | 2 40 | 23 16 | 0 6 | 18 42 | 1 42 | 16 12 | 12 55 | 16 45 | 17 12 | 8 3 | 2 17 | 3 58 |
| T 5 | 6 8 | 2n19 | 2 55 | 2 27 | 0 26 | 3 50 | 1 24 | 14 20 | 1 11 | 2 26 | 1 26 | 5 2 | 2 40 | 23 16 | 0 6 | 18 41 | 1 42 | 16 13 | 12 54 | 16 44 | 17 11 | 8 0 | 2 18 | 3 58 |
| F 6 | 6 31 | 9 3 | 1 41 | 2 36 | 0 12 | 4 20 | 1 23 | 14 6 | 1 12 | 2 29 | 1 26 | 5 0 | 2 40 | 23 16 | 0 6 | 18 41 | 1 42 | 16 13 | 12 54 | 16 43 | 17 10 | 7 57 | 2 20 | 3 58 |
| S 7 | 6 54 | 15 9 | 0 22 | 2 43 | 0s 2 | 4 49 | 1 22 | 13 51 | 1 13 | 2 31 | 1 26 | 4 58 | 2 40 | 23 17 | 0 6 | 18 41 | 1 42 | 16 13 | 12 54 | 16 43 | 17 9 | 7 54 | 2 21 | 3 58 |
| S 8 | 7 16 | 20 15 | 0n56 | 2 47 | 0 15 | 5 18 | 1 22 | 13 36 | 1 13 | 2 34 | 1 26 | 4 56 | 2 40 | 23 17 | 0 6 | 18 41 | 1 42 | 16 14 | 12 54 | 16 43 | 17 9 | 7 51 | 2 23 | 3 58 |
| M 9 | 7 39 | 24 4 | 2 9 | 2 48 | 0 27 | 5 47 | 1 21 | 13 22 | 1 14 | 2 37 | 1 26 | 4 55 | 2 40 | 23 17 | 0 6 | 18 40 | 1 42 | 16 14 | 12 54 | 16 43 | 17 8 | 7 48 | 2 24 | 3 58 |
| T 10 | 8 1 | 26 23 | 3 12 | 2 47 | 0 39 | 6 16 | 1 20 | 13 7 | 1 15 | 2 39 | 1 26 | 4 53 | 2 40 | 23 17 | 0 6 | 18 40 | 1 42 | 16 15 | 12 54 | 16 44 | 17 7 | 7 45 | 2 26 | 3 58 |
| W11 | 8 23 | 27 10 | 4 3 | 2 44 | 0 51 | 6 45 | 1 19 | 12 52 | 1 15 | 2 42 | 1 25 | 4 51 | 2 40 | 23 17 | 0 6 | 18 40 | 1 42 | 16 15 | 12 54 | 16 44 | 17 6 | 7 42 | 2 27 | 3 58 |
| T 12 | 8 45 | 26 29 | 4 41 | 2 39 | 1 2 | 7 14 | 1 18 | 12 37 | 1 16 | 2 44 | 1 25 | 4 49 | 2 40 | 23 17 | 0 6 | 18 40 | 1 43 | 16 15 | 12 54 | 16 44 | 17 5 | 7 39 | 2 29 | 3 58 |
| F 13 | 9 7 | 24 30 | 5 5 | 2 32 | 1 12 | 7 42 | 1 17 | 12 22 | 1 17 | 2 47 | 1 25 | 4 47 | 2 40 | 23 17 | 0 6 | 18 39 | 1 43 | 16 16 | 12 53 | 16 44 | 17 4 | 7 36 | 2 30 | 3 58 |
| S 14 | 9 29 | 21 27 | 5 14 | 2 23 | 1 22 | 8 11 | 1 16 | 12 6 | 1 17 | 2 49 | 1 25 | 4 46 | 2 40 | 23 17 | 0 6 | 18 39 | 1 43 | 16 16 | 12 53 | 16 44 | 17 3 | 7 33 | 2 31 | 3 58 |
| S 15 | 9 50 | 17 33 | 5 10 | 2 12 | 1 31 | 8 39 | 1 14 | 11 51 | 1 18 | 2 51 | 1 25 | 4 44 | 2 40 | 23 17 | 0 6 | 18 39 | 1 43 | 16 16 | 12 53 | 16 43 | 17 2 | 7 29 | 2 33 | 3 58 |
| M16 | 10 12 | 12 59 | 4 53 | 1 59 | 1 40 | 9 7 | 1 13 | 11 35 | 1 19 | 2 53 | 1 25 | 4 42 | 2 40 | 23 17 | 0 6 | 18 39 | 1 43 | 16 17 | 12 53 | 16 42 | 17 2 | 7 26 | 2 34 | 3 58 |
| T 17 | 10 33 | 7 58 | 4 23 | 1 44 | 1 48 | 9 35 | 1 12 | 11 20 | 1 19 | 2 56 | 1 25 | 4 40 | 2 40 | 23 18 | 0 6 | 18 38 | 1 43 | 16 17 | 12 53 | 16 41 | 17 1 | 7 23 | 2 36 | 3 58 |
| W18 | 10 54 | 2 39 | 3 41 | 1 28 | 1 56 | 10 2 | 1 11 | 11 4 | 1 20 | 2 58 | 1 25 | 4 39 | 2 40 | 23 18 | 0 6 | 18 38 | 1 43 | 16 17 | 12 53 | 16 40 | 17 0 | 7 20 | 2 37 | 3 58 |
| T 19 | 11 15 | 2s48 | 2 50 | 1 10 | 2 2 | 10 30 | 1 9 | 10 48 | 1 21 | 3 0 | 1 25 | 4 37 | 2 40 | 23 18 | 0 6 | 18 38 | 1 43 | 16 17 | 12 52 | 16 40 | 16 59 | 7 17 | 2 38 | 3 58 |
| F 20 | 11 35 | 8 12 | 1 51 | 0 51 | 2 9 | 10 57 | 1 8 | 10 32 | 1 21 | 3 2 | 1 24 | 4 35 | 2 40 | 23 18 | 0 6 | 18 37 | 1 43 | 16 18 | 12 52 | 16 39 | 16 58 | 7 14 | 2 40 | 3 58 |
| S 21 | 11 56 | 13 22 | 0 46 | 0 30 | 2 15 | 11 23 | 1 6 | 10 16 | 1 22 | 3 4 | 1 24 | 4 34 | 2 40 | 23 18 | 0 6 | 18 37 | 1 43 | 16 18 | 12 52 | 16 39 | 16 57 | 7 11 | 2 41 | 3 58 |
| S 22 | 12 16 | 18 5 | 0s22 | 0 8 | 2 20 | 11 50 | 1 5 | 10 0 | 1 23 | 3 6 | 1 24 | 4 32 | 2 40 | 23 18 | 0 6 | 18 37 | 1 43 | 16 18 | 12 52 | 16 39 | 16 56 | 7 8 | 2 43 | 3 58 |
| M23 | 12 36 | 22 4 | 1 30 | 0n16 | 2 24 | 12 16 | 1 3 | 9 44 | 1 23 | 3 8 | 1 24 | 4 30 | 2 40 | 23 18 | 0 6 | 18 36 | 1 43 | 16 18 | 12 52 | 16 39 | 16 55 | 7 5 | 2 44 | 3 58 |
| T 24 | 12 56 | 25 5 | 2 34 | 0 41 | 2 29 | 12 42 | 1 1 | 9 28 | 1 24 | 3 9 | 1 24 | 4 29 | 2 40 | 23 18 | 0 6 | 18 36 | 1 43 | 16 19 | 12 51 | 16 39 | 16 54 | 7 2 | 2 45 | 3 58 |
| W25 | 13 16 | 26 51 | 3 32 | 1 7 | 2 32 | 13 8 | 1 0 | 9 11 | 1 24 | 3 11 | 1 24 | 4 27 | 2 40 | 23 18 | 0 6 | 18 36 | 1 43 | 16 19 | 12 51 | 16 40 | 16 54 | 6 59 | 2 47 | 3 58 |
| T 26 | 13 35 | 27 8 | 4 20 | 1 35 | 2 35 | 13 33 | 0 58 | 8 55 | 1 25 | 3 13 | 1 24 | 4 26 | 2 39 | 23 18 | 0 6 | 18 36 | 1 43 | 16 19 | 12 51 | 16 40 | 16 53 | 6 55 | 2 48 | 3 58 |
| F 27 | 13 54 | 25 51 | 4 55 | 2 4 | 2 38 | 13 58 | 0 56 | 8 38 | 1 26 | 3 14 | 1 23 | 4 24 | 2 39 | 23 19 | 0 6 | 18 35 | 1 43 | 16 19 | 12 51 | 16 40 | 16 52 | 6 52 | 2 49 | 3 59 |
| S 28 | 14 13 | 23 1 | 5 14 | 2 33 | 2 40 | 14 23 | 0 54 | 8 22 | 1 26 | 3 16 | 1 23 | 4 23 | 2 39 | 23 19 | 0 6 | 18 35 | 1 43 | 16 19 | 12 50 | 16 40 | 16 51 | 6 49 | 2 50 | 3 59 |
| S 29 | 14 32 | 18 47 | 5 15 | 3 4 | 2 41 | 14 47 | 0 52 | 8 5 | 1 27 | 3 17 | 1 23 | 4 21 | 2 39 | 23 19 | 0 6 | 18 35 | 1 43 | 16 19 | 12 50 | 16 40 | 16 50 | 6 46 | 2 52 | 3 59 |
| M30 | 14n51 | 13s24 | 4s56 | 3n36 | 2s42 | 15n11 | 0s51 | 7s48 | 1s27 | 3n18 | 1n23 | 4s20 | 2n39 | 23n19 | 0n 6 | 18s34 | 1n43 | 16n19 | 12n50 | 16n40 | 16n49 | 6n43 | 2n53 | 3n59 |

Julian Day Number = 2799711.5, Delta T = 49m55s
Ecliptic obliquity = 23°19'03, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'00, Lahiri = 37°12'01


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# ASTRODIENST EPHEMERIS for the year 2953
# geocentric

## MAY 2953 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 37 55 | 11♉18'31 | 21♓47 | 17♈ 0 | 15♉20 | 14♓14 | 24°R47 | 17°R17 | 24♊47 | 0°R58 | 18°R28 | 16°R25 | 16♉55 | 22♍50 | 28♓ 6 | T 1 |
| W 2 | 14 41 51 | 12°17'17 | 6♈30 | 18°29 | 16°34 | 14°59 | 24♍44 | 17♎13 | 24°50 | 0♐56 | 18♍27 | 16♉25 | 16°52 | 22°57 | 28° 9 | W 2 |
| T 3 | 14 45 48 | 13°16'01 | 21°17 | 19°59 | 17°48 | 15°44 | 24°41 | 17° 9 | 24°53 | 0°55 | 18°26 | 16°24 | 16°48 | 23° 3 | 28°12 | T 3 |
| F 4 | 14 49 44 | 14°14'43 | 6♉ 0 | 21°31 | 19° 2 | 16°30 | 24°38 | 17° 5 | 24°56 | 0°53 | 18°26 | 16°24 | 16°45 | 23°10 | 28°15 | F 4 |
| S 5 | 14 53 41 | 15°13'23 | 20°32 | 23° 5 | 20°17 | 17°15 | 24°35 | 17° 1 | 24°59 | 0°52 | 18°25 | 16°D24 | 16°42 | 23°17 | 28°18 | S 5 |
| S 6 | 14 57 37 | 16°12'02 | 4♊47 | 24°41 | 21°31 | 18° 0 | 24°32 | 16°57 | 25° 2 | 0°50 | 18°24 | 16°R24 | 16°39 | 23°23 | 28°21 | S 6 |
| M 7 | 15 1 34 | 17°10'39 | 18°41 | 26°18 | 22°45 | 18°45 | 24°29 | 16°54 | 25° 5 | 0°48 | 18°24 | 16°24 | 16°36 | 23°30 | 28°24 | M 7 |
| T 8 | 15 5 31 | 18° 9'13 | 2♋11 | 27°58 | 23°59 | 19°30 | 24°27 | 16°50 | 25° 8 | 0°47 | 18°23 | 16°24 | 16°33 | 23°37 | 28°26 | T 8 |
| W 9 | 15 9 27 | 19° 7'46 | 15°18 | 29°38 | 25°13 | 20°15 | 24°25 | 16°46 | 25°11 | 0°45 | 18°22 | 16°24 | 16°29 | 23°43 | 28°29 | W 9 |
| T 10 | 15 13 24 | 20° 6'16 | 28° 2 | 1♌21 | 26°28 | 21° 0 | 24°23 | 16°43 | 25°14 | 0°44 | 18°22 | 16°23 | 16°26 | 23°50 | 28°32 | T 10 |
| F 11 | 15 17 20 | 21° 4'45 | 10♌27 | 3° 5 | 27°42 | 21°46 | 24°21 | 16°39 | 25°17 | 0°42 | 18°21 | 16°23 | 16°23 | 23°57 | 28°35 | F 11 |
| S 12 | 15 21 17 | 22° 3'11 | 22°37 | 4°51 | 28°56 | 22°31 | 24°19 | 16°36 | 25°20 | 0°41 | 18°21 | 16°D23 | 16°20 | 24° 4 | 28°37 | S 12 |
| S 13 | 15 25 13 | 23° 1'35 | 4♍35 | 6°39 | 0♊10 | 23°16 | 24°18 | 16°33 | 25°23 | 0°39 | 18°20 | 16°23 | 16°17 | 24°10 | 28°40 | S 13 |
| M14 | 15 29 10 | 23°59'57 | 16°28 | 8°28 | 1°24 | 24° 1 | 24°17 | 16°29 | 25°26 | 0°37 | 18°20 | 16°24 | 16°13 | 24°17 | 28°42 | M14 |
| T 15 | 15 33 6 | 24°58'17 | 28°19 | 10°19 | 2°38 | 24°46 | 24°15 | 16°26 | 25°29 | 0°36 | 18°19 | 16°24 | 16°10 | 24°24 | 28°45 | T 15 |
| W16 | 15 37 3 | 25°56'35 | 10♎12 | 12°12 | 3°52 | 25°31 | 24°15 | 16°23 | 25°32 | 0°34 | 18°19 | 16°25 | 16° 7 | 24°30 | 28°47 | W16 |
| T 17 | 15 41 0 | 26°54'51 | 22°11 | 14° 7 | 5° 6 | 26°16 | 24°14 | 16°20 | 25°35 | 0°32 | 18°18 | 16°26 | 16° 4 | 24°37 | 28°50 | T 17 |
| F 18 | 15 44 56 | 27°53'05 | 4♏20 | 16° 3 | 6°20 | 27° 1 | 24°13 | 16°17 | 25°39 | 0°31 | 18°18 | 16°27 | 16° 1 | 24°44 | 28°52 | F 18 |
| S 19 | 15 48 53 | 28°51'17 | 16°41 | 18° 1 | 7°34 | 27°46 | 24°13 | 16°14 | 25°42 | 0°29 | 18°18 | 16°R27 | 15°58 | 24°50 | 28°54 | S 19 |
| S 20 | 15 52 49 | 29°49'28 | 29°15 | 20° 1 | 8°48 | 28°31 | 24°D13 | 16°12 | 25°45 | 0°28 | 18°17 | 16°27 | 15°54 | 24°57 | 28°57 | S 20 |
| M21 | 15 56 46 | 0♊47'37 | 12♐ 4 | 22° 3 | 10° 2 | 29°17 | 24°13 | 16° 9 | 25°48 | 0°26 | 18°17 | 16°26 | 15°51 | 25° 4 | 28°59 | M21 |
| T 22 | 16 0 42 | 1°45'45 | 25° 8 | 24° 6 | 11°16 | 0♈ 2 | 24°13 | 16° 6 | 25°52 | 0°24 | 18°17 | 16°24 | 15°48 | 25°10 | 29° 1 | T 22 |
| W23 | 16 4 39 | 2°43'51 | 8♑26 | 26°10 | 12°29 | 0°47 | 24°13 | 16° 4 | 25°55 | 0°23 | 18°17 | 16°22 | 15°45 | 25°17 | 29° 3 | W23 |
| T 24 | 16 8 35 | 3°41'55 | 21°57 | 28°16 | 13°43 | 1°32 | 24°14 | 16° 1 | 25°58 | 0°21 | 18°17 | 16°20 | 15°42 | 25°24 | 29° 5 | T 24 |
| F 25 | 16 12 32 | 4°39'59 | 5♒40 | 0♊24 | 14°57 | 2°17 | 24°15 | 15°59 | 26° 2 | 0°19 | 18°16 | 16°18 | 15°39 | 25°31 | 29° 7 | F 25 |
| S 26 | 16 16 29 | 5°38'00 | 19°35 | 2°32 | 16°11 | 3° 2 | 24°15 | 15°57 | 26° 5 | 0°18 | 18°16 | 16°16 | 15°35 | 25°37 | 29° 9 | S 26 |
| S 27 | 16 20 25 | 6°36'01 | 3♓38 | 4°42 | 17°25 | 3°47 | 24°17 | 15°55 | 26° 8 | 0°16 | 18°16 | 16°D15 | 15°32 | 25°44 | 29°11 | S 27 |
| M28 | 16 24 22 | 7°34'00 | 17°50 | 6°52 | 18°39 | 4°32 | 24°18 | 15°53 | 26°12 | 0°15 | 18°16 | 16°16 | 15°29 | 25°51 | 29°13 | M28 |
| T 29 | 16 28 18 | 8°31'58 | 2♈ 6 | 9° 3 | 19°52 | 5°17 | 24°19 | 15°51 | 26°15 | 0°13 | 18°D16 | 16°17 | 15°26 | 25°57 | 29°15 | T 29 |
| W30 | 16 32 15 | 9°29'55 | 16°26 | 11°14 | 21° 6 | 6° 1 | 24°21 | 15°49 | 26°18 | 0°11 | 18°16 | 16°18 | 15°23 | 26° 4 | 29°17 | W30 |
| T 31 | 16 36 11 | 10♊27'51 | 0♉46 | 13♊25 | 22♊20 | 6♈46 | 24♍23 | 15♎47 | 26♊22 | 0♐10 | 18♍16 | 16♉19 | 15♉19 | 26♍11 | 29♓19 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15n 9 | 7s13 | 4s19 | 4n 9 | 2s42 | 15n34 | 0s49 | 7s32 | 1s28 | 3n20 | 1n23 | 4s18 | 2n39 | 23n19 | 0n 6 | 18s34 | 1n43 | 16n20 | 12n50 | 16n40 | 16n48 | 6n40 | 2n54 | 3n59 |
| W 2 | 15 27 | 0 33 | 3 24 | 4 42 | 2 42 | 15 58 | 0 47 | 7 15 | 1 29 | 3 21 | 1 23 | 4 17 | 2 39 | 23 19 | 0 6 | 18 34 | 1 43 | 16 20 | 12 50 | 16 40 | 16 47 | 6 37 | 2 56 | 3 59 |
| T 3 | 15 44 | 6n10 | 2 15 | 5 17 | 2 41 | 16 20 | 0 45 | 6 58 | 1 29 | 3 22 | 1 23 | 4 15 | 2 39 | 23 19 | 0 6 | 18 33 | 1 43 | 16 20 | 12 49 | 16 40 | 16 46 | 6 34 | 2 57 | 3 59 |
| F 4 | 16 2 | 12 33 | 0 57 | 5 53 | 2 40 | 16 43 | 0 42 | 6 41 | 1 30 | 3 23 | 1 22 | 4 14 | 2 39 | 23 19 | 0 6 | 18 33 | 1 43 | 16 20 | 12 49 | 16 39 | 16 45 | 6 30 | 2 58 | 3 59 |
| S 5 | 16 19 | 18 10 | 0n23 | 6 29 | 2 38 | 17 5 | 0 40 | 6 24 | 1 30 | 3 24 | 1 22 | 4 12 | 2 39 | 23 20 | 0 6 | 18 33 | 1 43 | 16 20 | 12 49 | 16 39 | 16 45 | 6 27 | 2 59 | 3 59 |
| S 6 | 16 36 | 22 38 | 1 40 | 7 6 | 2 36 | 17 26 | 0 38 | 6 7 | 1 31 | 3 25 | 1 22 | 4 11 | 2 38 | 23 20 | 0 6 | 18 32 | 1 43 | 16 20 | 12 48 | 16 39 | 16 44 | 6 24 | 3 1 | 3 59 |
| M 7 | 16 53 | 25 39 | 2 50 | 7 43 | 2 33 | 17 47 | 0 36 | 5 50 | 1 31 | 3 26 | 1 22 | 4 10 | 2 38 | 23 20 | 0 6 | 18 32 | 1 43 | 16 20 | 12 48 | 16 39 | 16 43 | 6 21 | 3 2 | 3 59 |
| T 8 | 17 9 | 27 6 | 3 48 | 8 22 | 2 30 | 18 8 | 0 34 | 5 33 | 1 32 | 3 27 | 1 22 | 4 9 | 2 38 | 23 20 | 0 6 | 18 32 | 1 43 | 16 20 | 12 48 | 16 39 | 16 42 | 6 18 | 3 3 | 4 0 |
| W 9 | 17 25 | 26 57 | 4 32 | 9 1 | 2 26 | 18 28 | 0 32 | 5 16 | 1 32 | 3 27 | 1 21 | 4 7 | 2 38 | 23 20 | 0 6 | 18 31 | 1 43 | 16 20 | 12 48 | 16 39 | 16 41 | 6 15 | 3 4 | 4 0 |
| T 10 | 17 41 | 25 22 | 5 1 | 9 40 | 2 21 | 18 47 | 0 29 | 4 58 | 1 33 | 3 28 | 1 21 | 4 6 | 2 38 | 23 20 | 0 6 | 18 31 | 1 43 | 16 20 | 12 47 | 16 39 | 16 40 | 6 12 | 3 5 | 4 0 |
| F 11 | 17 56 | 22 35 | 5 15 | 10 20 | 2 17 | 19 6 | 0 27 | 4 41 | 1 33 | 3 29 | 1 21 | 4 5 | 2 38 | 23 20 | 0 6 | 18 31 | 1 43 | 16 20 | 12 47 | 16 39 | 16 39 | 6 9 | 3 6 | 4 0 |
| S 12 | 18 11 | 18 52 | 5 15 | 11 1 | 2 11 | 19 25 | 0 25 | 4 24 | 1 34 | 3 29 | 1 21 | 4 4 | 2 38 | 23 20 | 0 6 | 18 30 | 1 43 | 16 20 | 12 47 | 16 39 | 16 38 | 6 5 | 3 8 | 4 0 |
| S 13 | 18 26 | 14 27 | 5 1 | 11 41 | 2 5 | 19 43 | 0 23 | 4 7 | 1 35 | 3 29 | 1 21 | 4 3 | 2 38 | 23 20 | 0 6 | 18 30 | 1 43 | 16 20 | 12 47 | 16 39 | 16 37 | 6 2 | 3 9 | 4 0 |
| M14 | 18 41 | 9 32 | 4 35 | 12 22 | 1 59 | 20 0 | 0 20 | 3 49 | 1 35 | 3 30 | 1 21 | 4 2 | 2 37 | 23 21 | 0 6 | 18 30 | 1 43 | 16 20 | 12 46 | 16 39 | 16 36 | 5 59 | 3 10 | 4 0 |
| T 15 | 18 55 | 4 17 | 3 56 | 13 4 | 1 52 | 20 17 | 0 18 | 3 32 | 1 36 | 3 30 | 1 20 | 4 1 | 2 37 | 23 21 | 0 6 | 18 29 | 1 43 | 16 20 | 12 46 | 16 40 | 16 36 | 5 56 | 3 11 | 4 0 |
| W16 | 19 9 | 1s 8 | 3 8 | 13 45 | 1 45 | 20 34 | 0 16 | 3 15 | 1 36 | 3 30 | 1 20 | 3 59 | 2 37 | 23 21 | 0 6 | 18 29 | 1 43 | 16 19 | 12 46 | 16 40 | 16 35 | 5 53 | 3 12 | 4 0 |
| T 17 | 19 22 | 6 35 | 2 10 | 14 27 | 1 37 | 20 49 | 0 13 | 2 57 | 1 36 | 3 30 | 1 20 | 3 59 | 2 37 | 23 21 | 0 6 | 18 29 | 1 43 | 16 19 | 12 45 | 16 40 | 16 34 | 5 50 | 3 13 | 4 1 |
| F 18 | 19 35 | 11 51 | 1 7 | 15 8 | 1 29 | 21 5 | 0 11 | 2 40 | 1 37 | 3 30 | 1 20 | 3 58 | 2 37 | 23 21 | 0 6 | 18 28 | 1 43 | 16 19 | 12 45 | 16 40 | 16 33 | 5 47 | 3 14 | 4 1 |
| S 19 | 19 48 | 16 46 | 0s 1 | 15 49 | 1 21 | 21 19 | 0 8 | 2 22 | 1 37 | 3 30 | 1 20 | 3 57 | 2 37 | 23 21 | 0 6 | 18 28 | 1 43 | 16 19 | 12 45 | 16 40 | 16 32 | 5 43 | 3 15 | 4 1 |
| S 20 | 20 1 | 21 2 | 1 10 | 16 30 | 1 12 | 21 33 | 0 6 | 2 5 | 1 38 | 3 30 | 1 19 | 3 56 | 2 36 | 23 21 | 0 6 | 18 28 | 1 43 | 16 19 | 12 45 | 16 40 | 16 31 | 5 40 | 3 16 | 4 1 |
| M21 | 20 13 | 24 23 | 2 17 | 17 11 | 1 3 | 21 47 | 0 3 | 1 48 | 1 38 | 3 30 | 1 19 | 3 55 | 2 36 | 23 21 | 0 6 | 18 27 | 1 43 | 16 19 | 12 44 | 16 40 | 16 30 | 5 37 | 3 17 | 4 1 |
| T 22 | 20 25 | 26 31 | 3 18 | 17 51 | 0 53 | 22 0 | 0 1 | 1 30 | 1 39 | 3 30 | 1 19 | 3 54 | 2 36 | 23 21 | 0 6 | 18 27 | 1 43 | 16 18 | 12 44 | 16 39 | 16 29 | 5 34 | 3 18 | 4 1 |
| W23 | 20 36 | 27 12 | 4 9 | 18 30 | 0 43 | 22 12 | 0n 1 | 1 13 | 1 39 | 3 29 | 1 19 | 3 53 | 2 36 | 23 22 | 0 6 | 18 27 | 1 43 | 16 18 | 12 44 | 16 39 | 16 28 | 5 31 | 3 19 | 4 1 |
| T 24 | 20 47 | 26 16 | 4 47 | 19 8 | 0 33 | 22 24 | 0 4 | 0 55 | 1 40 | 3 29 | 1 19 | 3 53 | 2 36 | 23 22 | 0 6 | 18 26 | 1 43 | 16 18 | 12 43 | 16 38 | 16 27 | 5 28 | 3 20 | 4 1 |
| F 25 | 20 58 | 23 46 | 5 10 | 19 46 | 0 23 | 22 35 | 0 6 | 0 38 | 1 40 | 3 29 | 1 18 | 3 52 | 2 35 | 23 22 | 0 6 | 18 26 | 1 43 | 16 18 | 12 43 | 16 38 | 16 26 | 5 24 | 3 21 | 4 2 |
| S 26 | 21 8 | 19 51 | 5 15 | 20 22 | 0 12 | 22 45 | 0 9 | 0 20 | 1 40 | 3 28 | 1 18 | 3 51 | 2 35 | 23 22 | 0 6 | 18 26 | 1 43 | 16 18 | 12 43 | 16 37 | 16 25 | 5 21 | 3 22 | 4 2 |
| S 27 | 21 18 | 14 48 | 5 1 | 20 56 | 0 2 | 22 55 | 0 11 | 0 3 | 1 41 | 3 27 | 1 18 | 3 51 | 2 35 | 23 22 | 0 6 | 18 25 | 1 43 | 16 17 | 12 42 | 16 37 | 16 25 | 5 18 | 3 23 | 4 2 |
| M28 | 21 28 | 8 55 | 4 29 | 21 29 | 0n 9 | 23 4 | 0 14 | 0n14 | 1 41 | 3 27 | 1 18 | 3 50 | 2 35 | 23 22 | 0 6 | 18 25 | 1 43 | 16 17 | 12 42 | 16 37 | 16 24 | 5 15 | 3 24 | 4 2 |
| T 29 | 21 37 | 2 32 | 3 40 | 22 1 | 0 19 | 23 12 | 0 16 | 0 32 | 1 42 | 3 26 | 1 18 | 3 49 | 2 35 | 23 22 | 0 6 | 18 25 | 1 43 | 16 17 | 12 42 | 16 37 | 16 23 | 5 12 | 3 25 | 4 2 |
| W30 | 21 46 | 4n 1 | 2 37 | 22 30 | 0 29 | 23 20 | 0 19 | 0 49 | 1 42 | 3 25 | 1 17 | 3 49 | 2 34 | 23 22 | 0 6 | 18 24 | 1 43 | 16 17 | 12 41 | 16 38 | 16 22 | 5 9 | 3 25 | 4 2 |
| T 31 | 21n54 | 10n22 | 1s25 | 22n57 | 0n40 | 23n27 | 0n21 | 1n 6 | 1s42 | 3n24 | 1n17 | 3s48 | 2n34 | 23n22 | 0n 6 | 18s24 | 1n43 | 16n16 | 12n41 | 16n38 | 16n21 | 5n 5 | 3n26 | 4n 2 |

Julian Day Number = 2799741.5, Delta T = 49m56s
Ecliptic obliquity = 23°19'03, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'04, Lahiri = 37°12'05


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# ASTRODIENST EPHEMERIS for the year 2953
# geocentric

## JUNE 2953 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 40 8 | 11♊25'45 | 15♉ 2 | 15♊36 | 23♊34 | 7♈31 | 24♍25 | 15°R45 | 26♊25 | 0°R 8 | 18♍16 | 16°R20 | 15♉16 | 26♍17 | 29♓20 | F 1 |
| S 2 | 16 44 4 | 12°23'38 | 29°11 | 17°47 | 24°47 | 8°16 | 24°27 | 15♎44 | 26°29 | 0♐ 7 | 18°16 | 16♉19 | 15°13 | 26°24 | 29°22 | S 2 |
| S 3 | 16 48 1 | 13°21'30 | 13♊ 7 | 19°57 | 26° 1 | 9° 1 | 24°29 | 15°42 | 26°32 | 0° 5 | 18°17 | 16°18 | 15°10 | 26°31 | 29°24 | S 3 |
| M 4 | 16 51 58 | 14°19'21 | 26°48 | 22° 6 | 27°15 | 9°46 | 24°32 | 15°41 | 26°36 | 0° 3 | 18°17 | 16°14 | 15° 7 | 26°37 | 29°25 | M 4 |
| T 5 | 16 55 54 | 15°17'10 | 10♋10 | 24°13 | 28°28 | 10°30 | 24°34 | 15°40 | 26°39 | 0° 2 | 18°17 | 16°10 | 15° 4 | 26°44 | 29°27 | T 5 |
| W 6 | 16 59 51 | 16°14'57 | 23°14 | 26°19 | 29°42 | 11°15 | 24°37 | 15°39 | 26°43 | 0° 0 | 18°17 | 16° 5 | 15° 0 | 26°51 | 29°28 | W 6 |
| T 7 | 17 3 47 | 17°12'44 | 5♌57 | 28°23 | 0♋56 | 12° 0 | 24°40 | 15°37 | 26°46 | 29♏59 | 18°17 | 16° 1 | 14°57 | 26°58 | 29°29 | T 7 |
| F 8 | 17 7 44 | 18°10'28 | 18°23 | 0♋25 | 2° 9 | 12°45 | 24°44 | 15°37 | 26°50 | 29°57 | 18°18 | 15°57 | 14°54 | 27° 4 | 29°31 | F 8 |
| S 9 | 17 11 40 | 19° 8'11 | 0♍34 | 2°25 | 3°23 | 13°29 | 24°47 | 15°36 | 26°53 | 29°56 | 18°18 | 15°54 | 14°51 | 27°11 | 29°32 | S 9 |
| S 10 | 17 15 37 | 20° 5'53 | 12°34 | 4°23 | 4°37 | 14°14 | 24°50 | 15°35 | 26°57 | 29°54 | 18°18 | 15°52 | 14°48 | 27°18 | 29°33 | S 10 |
| M11 | 17 19 33 | 21° 3'33 | 24°26 | 6°18 | 5°50 | 14°58 | 24°54 | 15°34 | 27° 0 | 29°53 | 18°19 | 15°D52 | 14°45 | 27°24 | 29°35 | M11 |
| T 12 | 17 23 30 | 22° 1'11 | 6♎17 | 8°11 | 7° 4 | 15°43 | 24°58 | 15°34 | 27° 4 | 29°51 | 18°19 | 15°53 | 14°41 | 27°31 | 29°36 | T 12 |
| W13 | 17 27 27 | 22°58'48 | 18°12 | 10° 1 | 8°17 | 16°27 | 25° 2 | 15°33 | 27° 7 | 29°50 | 18°19 | 15°54 | 14°38 | 27°38 | 29°37 | W13 |
| T 14 | 17 31 23 | 23°56'24 | 0♏14 | 11°48 | 9°31 | 17°12 | 25° 6 | 15°33 | 27°11 | 29°48 | 18°20 | 15°56 | 14°35 | 27°44 | 29°38 | T 14 |
| F 15 | 17 35 20 | 24°53'59 | 12°28 | 13°33 | 10°44 | 17°56 | 25°11 | 15°33 | 27°14 | 29°47 | 18°20 | 15°R57 | 14°32 | 27°51 | 29°39 | F 15 |
| S 16 | 17 39 16 | 25°51'32 | 24°58 | 15°15 | 11°58 | 18°40 | 25°15 | 15°32 | 27°18 | 29°45 | 18°21 | 15°56 | 14°29 | 27°58 | 29°40 | S 16 |
| S 17 | 17 43 13 | 26°49'04 | 7♐46 | 16°54 | 13°11 | 19°25 | 25°20 | 15°D32 | 27°21 | 29°44 | 18°21 | 15°54 | 14°25 | 28° 4 | 29°41 | S 17 |
| M18 | 17 47 9 | 27°46'35 | 20°54 | 18°30 | 14°24 | 20° 9 | 25°25 | 15°32 | 27°25 | 29°43 | 18°22 | 15°50 | 14°22 | 28°11 | 29°41 | M18 |
| T 19 | 17 51 6 | 28°44'05 | 4♑21 | 20° 3 | 15°38 | 20°53 | 25°30 | 15°33 | 27°28 | 29°41 | 18°23 | 15°45 | 14°19 | 28°18 | 29°42 | T 19 |
| W20 | 17 55 3 | 29°41'35 | 18° 5 | 21°33 | 16°51 | 21°37 | 25°35 | 15°33 | 27°32 | 29°40 | 18°23 | 15°38 | 14°16 | 28°24 | 29°43 | W20 |
| T 21 | 17 58 59 | 0♋39'03 | 2♒ 3 | 23° 0 | 18° 5 | 22°22 | 25°40 | 15°33 | 27°35 | 29°38 | 18°24 | 15°31 | 14°13 | 28°31 | 29°43 | T 21 |
| F 22 | 18 2 56 | 1°36'30 | 16°10 | 24°25 | 19°18 | 23° 6 | 25°45 | 15°34 | 27°39 | 29°37 | 18°25 | 15°24 | 14°10 | 28°38 | 29°44 | F 22 |
| S 23 | 18 6 52 | 2°33'57 | 0♓24 | 25°46 | 20°31 | 23°50 | 25°51 | 15°34 | 27°42 | 29°36 | 18°25 | 15°19 | 14° 6 | 28°45 | 29°45 | S 23 |
| S 24 | 18 10 49 | 3°31'23 | 14°38 | 27° 4 | 21°45 | 24°34 | 25°57 | 15°35 | 27°46 | 29°35 | 18°26 | 15°16 | 14° 3 | 28°51 | 29°45 | S 24 |
| M25 | 18 14 45 | 4°28'49 | 28°52 | 28°19 | 22°58 | 25°18 | 26° 3 | 15°36 | 27°49 | 29°33 | 18°27 | 15°D14 | 14° 0 | 28°58 | 29°46 | M25 |
| T 26 | 18 18 42 | 5°26'14 | 13♈ 1 | 29°31 | 24°11 | 26° 2 | 26° 9 | 15°36 | 27°53 | 29°32 | 18°28 | 15°14 | 13°57 | 29° 5 | 29°46 | T 26 |
| W27 | 18 22 38 | 6°23'38 | 27° 6 | 0♌40 | 25°24 | 26°45 | 26°15 | 15°37 | 27°56 | 29°31 | 18°28 | 15°15 | 13°54 | 29°11 | 29°46 | W27 |
| T 28 | 18 26 35 | 7°21'02 | 11♉ 4 | 1°46 | 26°38 | 27°29 | 26°21 | 15°38 | 28° 0 | 29°30 | 18°29 | 15°R16 | 13°51 | 29°18 | 29°46 | T 28 |
| F 29 | 18 30 32 | 8°18'26 | 24°55 | 2°48 | 27°51 | 28°13 | 26°27 | 15°40 | 28° 3 | 29°28 | 18°30 | 15°16 | 13°47 | 29°25 | 29°47 | F 29 |
| S 30 | 18 34 28 | 9♋15'50 | 8♊37 | 3♌47 | 29♋ 4 | 28♈56 | 26♍34 | 15♎41 | 28♊ 7 | 29♏27 | 18♍31 | 15♉13 | 13♉44 | 29♍31 | 29♓47 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n 2 | 16n 9 | 0s 7 | 23n22 | 0n50 | 23n33 | 0n23 | 1n24 | 1s43 | 3n23 | 1n17 | 3s48 | 2n34 | 23n22 | 0n 6 | 18s24 | 1n43 | 16n16 | 12n41 | 16n38 | 16n20 | 5n 2 | 3n27 | 4n 3 |
| S 2 | 22 10 | 21 1 | 1n10 | 23 44 | 0 59 | 23 39 | 0 26 | 1 41 | 1 43 | 3 22 | 1 17 | 3 48 | 2 34 | 23 23 | 0 6 | 18 23 | 1 43 | 16 16 | 12 41 | 16 38 | 16 19 | 4 59 | 3 28 | 4 3 |
| S 3 | 22 17 | 24 36 | 2 22 | 24 4 | 1 8 | 23 44 | 0 28 | 1 58 | 1 43 | 3 21 | 1 17 | 3 47 | 2 34 | 23 23 | 0 6 | 18 23 | 1 43 | 16 15 | 12 40 | 16 38 | 16 18 | 4 56 | 3 29 | 4 3 |
| M 4 | 22 24 | 26 40 | 3 24 | 24 22 | 1 17 | 23 48 | 0 31 | 2 15 | 1 44 | 3 20 | 1 16 | 3 47 | 2 33 | 23 23 | 0 6 | 18 23 | 1 43 | 16 15 | 12 40 | 16 37 | 16 17 | 4 53 | 3 29 | 4 3 |
| T 5 | 22 31 | 27 8 | 4 13 | 24 36 | 1 25 | 23 51 | 0 33 | 2 33 | 1 44 | 3 19 | 1 16 | 3 47 | 2 33 | 23 23 | 0 6 | 18 22 | 1 43 | 16 15 | 12 40 | 16 35 | 16 16 | 4 49 | 3 30 | 4 3 |
| W 6 | 22 37 | 26 3 | 4 48 | 24 48 | 1 32 | 23 54 | 0 35 | 2 50 | 1 44 | 3 17 | 1 16 | 3 46 | 2 33 | 23 23 | 0 6 | 18 22 | 1 43 | 16 14 | 12 39 | 16 34 | 16 15 | 4 46 | 3 31 | 4 3 |
| T 7 | 22 42 | 23 39 | 5 7 | 24 58 | 1 39 | 23 56 | 0 38 | 3 7 | 1 45 | 3 16 | 1 16 | 3 46 | 2 33 | 23 23 | 0 6 | 18 22 | 1 43 | 16 14 | 12 39 | 16 33 | 16 14 | 4 43 | 3 32 | 4 4 |
| F 8 | 22 48 | 20 11 | 5 12 | 25 4 | 1 45 | 23 58 | 0 40 | 3 24 | 1 45 | 3 15 | 1 16 | 3 46 | 2 32 | 23 23 | 0 6 | 18 21 | 1 43 | 16 13 | 12 39 | 16 32 | 16 13 | 4 40 | 3 32 | 4 4 |
| S 9 | 22 53 | 15 55 | 5 2 | 25 9 | 1 51 | 23 59 | 0 42 | 3 41 | 1 45 | 3 13 | 1 15 | 3 46 | 2 32 | 23 23 | 0 6 | 18 21 | 1 43 | 16 13 | 12 38 | 16 31 | 16 13 | 4 37 | 3 33 | 4 4 |
| S 10 | 22 57 | 11 7 | 4 39 | 25 10 | 1 56 | 23 59 | 0 44 | 3 58 | 1 46 | 3 11 | 1 15 | 3 46 | 2 32 | 23 23 | 0 6 | 18 21 | 1 43 | 16 13 | 12 38 | 16 30 | 16 12 | 4 34 | 3 33 | 4 4 |
| M11 | 23 1 | 5 56 | 4 4 | 25 9 | 1 59 | 23 58 | 0 47 | 4 14 | 1 46 | 3 10 | 1 15 | 3 46 | 2 32 | 23 23 | 0 6 | 18 21 | 1 43 | 16 12 | 12 38 | 16 30 | 16 11 | 4 30 | 3 34 | 4 4 |
| T 12 | 23 5 | 0 34 | 3 19 | 25 6 | 2 3 | 23 57 | 0 49 | 4 31 | 1 46 | 3 8 | 1 15 | 3 46 | 2 31 | 23 24 | 0 6 | 18 20 | 1 43 | 16 12 | 12 37 | 16 30 | 16 10 | 4 27 | 3 35 | 4 4 |
| W13 | 23 8 | 4s51 | 2 25 | 25 1 | 2 5 | 23 55 | 0 51 | 4 48 | 1 46 | 3 6 | 1 15 | 3 46 | 2 31 | 23 24 | 0 6 | 18 20 | 1 43 | 16 11 | 12 37 | 16 31 | 16 9 | 4 24 | 3 35 | 4 4 |
| T 14 | 23 11 | 10 10 | 1 25 | 24 54 | 2 6 | 23 52 | 0 53 | 5 5 | 1 46 | 3 4 | 1 14 | 3 46 | 2 31 | 23 24 | 0 6 | 18 20 | 1 43 | 16 11 | 12 37 | 16 31 | 16 8 | 4 21 | 3 36 | 4 5 |
| F 15 | 23 13 | 15 12 | 0 19 | 24 44 | 2 7 | 23 48 | 0 55 | 5 21 | 1 47 | 3 3 | 1 14 | 3 46 | 2 31 | 23 24 | 0 6 | 18 19 | 1 43 | 16 10 | 12 36 | 16 32 | 16 7 | 4 18 | 3 36 | 4 5 |
| S 16 | 23 15 | 19 42 | 0s49 | 24 33 | 2 7 | 23 44 | 0 57 | 5 38 | 1 47 | 3 1 | 1 14 | 3 46 | 2 31 | 23 24 | 0 6 | 18 19 | 1 43 | 16 10 | 12 36 | 16 32 | 16 6 | 4 14 | 3 37 | 4 5 |
| S 17 | 23 17 | 23 24 | 1 56 | 24 21 | 2 6 | 23 39 | 0 59 | 5 54 | 1 47 | 2 59 | 1 14 | 3 46 | 2 30 | 23 24 | 0 6 | 18 19 | 1 43 | 16 9 | 12 36 | 16 31 | 16 5 | 4 11 | 3 37 | 4 5 |
| M18 | 23 18 | 25 58 | 2 58 | 24 6 | 2 4 | 23 34 | 1 1 | 6 11 | 1 47 | 2 57 | 1 14 | 3 47 | 2 30 | 23 24 | 0 6 | 18 19 | 1 43 | 16 9 | 12 36 | 16 30 | 16 4 | 4 8 | 3 38 | 4 5 |
| T 19 | 23 19 | 27 6 | 3 52 | 23 50 | 2 2 | 23 27 | 1 3 | 6 27 | 1 47 | 2 54 | 1 13 | 3 47 | 2 30 | 23 24 | 0 6 | 18 18 | 1 43 | 16 8 | 12 35 | 16 28 | 16 3 | 4 5 | 3 38 | 4 5 |
| W20 | 23 19 | 26 37 | 4 33 | 23 33 | 1 59 | 23 20 | 1 5 | 6 43 | 1 48 | 2 52 | 1 13 | 3 47 | 2 30 | 23 24 | 0 6 | 18 18 | 1 43 | 16 8 | 12 35 | 16 26 | 16 2 | 4 1 | 3 39 | 4 6 |
| T 21 | 23 19 | 24 28 | 5 0 | 23 15 | 1 55 | 23 13 | 1 7 | 6 59 | 1 48 | 2 50 | 1 13 | 3 48 | 2 29 | 23 24 | 0 6 | 18 18 | 1 43 | 16 7 | 12 35 | 16 24 | 16 1 | 3 58 | 3 39 | 4 6 |
| F 22 | 23 18 | 20 48 | 5 8 | 22 56 | 1 50 | 23 5 | 1 9 | 7 16 | 1 48 | 2 48 | 1 13 | 3 48 | 2 29 | 23 24 | 0 7 | 18 18 | 1 43 | 16 7 | 12 34 | 16 22 | 16 0 | 3 55 | 3 40 | 4 6 |
| S 23 | 23 18 | 15 55 | 4 57 | 22 36 | 1 44 | 22 56 | 1 11 | 7 32 | 1 48 | 2 45 | 1 13 | 3 48 | 2 29 | 23 24 | 0 7 | 18 17 | 1 43 | 16 6 | 12 34 | 16 21 | 15 59 | 3 52 | 3 40 | 4 6 |
| S 24 | 23 16 | 10 9 | 4 29 | 22 15 | 1 38 | 22 46 | 1 13 | 7 48 | 1 48 | 2 43 | 1 13 | 3 49 | 2 29 | 23 24 | 0 7 | 18 17 | 1 43 | 16 6 | 12 34 | 16 20 | 15 59 | 3 49 | 3 40 | 4 6 |
| M25 | 23 15 | 3 52 | 3 43 | 21 53 | 1 31 | 22 36 | 1 14 | 8 3 | 1 48 | 2 40 | 1 12 | 3 49 | 2 28 | 23 25 | 0 7 | 18 17 | 1 43 | 16 5 | 12 33 | 16 19 | 15 58 | 3 45 | 3 41 | 4 6 |
| T 26 | 23 12 | 2n35 | 2 45 | 21 30 | 1 23 | 22 25 | 1 16 | 8 19 | 1 48 | 2 38 | 1 12 | 3 50 | 2 28 | 23 25 | 0 7 | 18 17 | 1 43 | 16 4 | 12 33 | 16 19 | 15 57 | 3 42 | 3 41 | 4 7 |
| W27 | 23 10 | 8 53 | 1 36 | 21 8 | 1 15 | 22 13 | 1 18 | 8 35 | 1 48 | 2 35 | 1 12 | 3 51 | 2 28 | 23 25 | 0 7 | 18 16 | 1 43 | 16 4 | 12 33 | 16 20 | 15 56 | 3 39 | 3 41 | 4 7 |
| T 28 | 23 7 | 14 43 | 0 23 | 20 44 | 1 6 | 22 1 | 1 19 | 8 50 | 1 48 | 2 33 | 1 12 | 3 51 | 2 28 | 23 25 | 0 7 | 18 16 | 1 43 | 16 3 | 12 33 | 16 20 | 15 55 | 3 36 | 3 41 | 4 7 |
| F 29 | 23 4 | 19 44 | 0n52 | 20 21 | 0 56 | 21 48 | 1 21 | 9 6 | 1 48 | 2 30 | 1 12 | 3 52 | 2 27 | 23 25 | 0 7 | 18 16 | 1 42 | 16 3 | 12 32 | 16 20 | 15 54 | 3 33 | 3 42 | 4 7 |
| S 30 | 23n 0 | 23n38 | 2n 2 | 19n57 | 0n46 | 21n35 | 1n22 | 9n21 | 1s49 | 2n27 | 1n11 | 3s53 | 2n27 | 23n25 | 0n 7 | 18s16 | 1n42 | 16n 2 | 12n32 | 16n19 | 15n53 | 3n29 | 3n42 | 4n 7 |

Julian Day Number = 2799772.5, Delta T = 49m56s
Ecliptic obliquity = 23°19'03, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'09, Lahiri = 37°12'09


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# ASTRODIENST EPHEMERIS for the year 2953
# geocentric

## JULY 2953 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 38 25 | 10♋13'13 | 22♊ 9 | 4♌42 | 0♌17 | 29♈40 | 26♍41 | 15♎42 | 28♊10 | 29°R26 | 18♍32 | 15°R 9 | 13♉41 | 29♍38 | 29♓47 | S 1 |
| M 2 | 18 42 21 | 11°10'35 | 5♋29 | 5°33 | 1°31 | 0♉24 | 26°48 | 15°44 | 28°14 | 29♏25 | 18°33 | 15♉ 2 | 13°38 | 29°45 | 29°R47 | M 2 |
| T 3 | 18 46 18 | 12° 7'57 | 18°36 | 6°21 | 2°44 | 1° 7 | 26°55 | 15°45 | 28°17 | 29°24 | 18°34 | 14°53 | 13°35 | 29°51 | 29°47 | T 3 |
| W 4 | 18 50 14 | 13° 5'18 | 1♌27 | 7° 6 | 3°57 | 1°50 | 27° 2 | 15°47 | 28°21 | 29°23 | 18°35 | 14°43 | 13°31 | 29°58 | 29°47 | W 4 |
| T 5 | 18 54 11 | 14° 2'39 | 14° 3 | 7°46 | 5°10 | 2°34 | 27° 9 | 15°49 | 28°24 | 29°22 | 18°36 | 14°32 | 13°28 | 0♎ 5 | 29°47 | T 5 |
| F 6 | 18 58 7 | 14°59'58 | 26°24 | 8°22 | 6°23 | 3°17 | 27°16 | 15°51 | 28°28 | 29°21 | 18°37 | 14°23 | 13°25 | 0°11 | 29°47 | F 6 |
| S 7 | 19 2 4 | 15°57'18 | 8♍32 | 8°54 | 7°36 | 4° 0 | 27°24 | 15°53 | 28°31 | 29°20 | 18°38 | 14°15 | 13°22 | 0°18 | 29°46 | S 7 |
| S 8 | 19 6 1 | 16°54'36 | 20°30 | 9°22 | 8°49 | 4°43 | 27°31 | 15°55 | 28°34 | 29°19 | 18°39 | 14° 9 | 13°19 | 0°25 | 29°46 | S 8 |
| M 9 | 19 9 57 | 17°51'54 | 2♎22 | 9°46 | 10° 2 | 5°26 | 27°39 | 15°57 | 28°38 | 29°18 | 18°40 | 14° 6 | 13°16 | 0°31 | 29°46 | M 9 |
| T 10 | 19 13 54 | 18°49'11 | 14°12 | 10° 5 | 11°15 | 6° 9 | 27°47 | 15°59 | 28°41 | 29°17 | 18°42 | 14°D 5 | 13°12 | 0°38 | 29°45 | T 10 |
| W11 | 19 17 50 | 19°46'28 | 26° 5 | 10°20 | 12°28 | 6°52 | 27°55 | 16° 1 | 28°45 | 29°16 | 18°43 | 14° 5 | 13° 9 | 0°45 | 29°45 | W11 |
| T 12 | 19 21 47 | 20°43'44 | 8♏ 7 | 10°30 | 13°41 | 7°35 | 28° 3 | 16° 4 | 28°48 | 29°15 | 18°44 | 14°R 5 | 13° 6 | 0°52 | 29°44 | T 12 |
| F 13 | 19 25 43 | 21°40'59 | 20°23 | 10°36 | 14°54 | 8°17 | 28°11 | 16° 6 | 28°51 | 29°14 | 18°45 | 14° 5 | 13° 3 | 0°58 | 29°44 | F 13 |
| S 14 | 19 29 40 | 22°38'15 | 2♐57 | 10°R37 | 16° 7 | 9° 0 | 28°19 | 16° 9 | 28°55 | 29°13 | 18°47 | 14° 4 | 13° 0 | 1° 5 | 29°43 | S 14 |
| S 15 | 19 33 36 | 23°35'29 | 15°54 | 10°33 | 17°20 | 9°43 | 28°28 | 16°12 | 28°58 | 29°13 | 18°48 | 14° 0 | 12°57 | 1°12 | 29°42 | S 15 |
| M16 | 19 37 33 | 24°32'44 | 29°15 | 10°25 | 18°33 | 10°25 | 28°36 | 16°15 | 29° 1 | 29°12 | 18°49 | 13°54 | 12°53 | 1°18 | 29°42 | M16 |
| T 17 | 19 41 30 | 25°29'58 | 13♑ 0 | 10°12 | 19°46 | 11° 7 | 28°45 | 16°17 | 29° 4 | 29°11 | 18°51 | 13°45 | 12°50 | 1°25 | 29°41 | T 17 |
| W18 | 19 45 26 | 26°27'12 | 27° 7 | 9°55 | 20°59 | 11°50 | 28°54 | 16°20 | 29° 8 | 29°10 | 18°52 | 13°35 | 12°47 | 1°32 | 29°40 | W18 |
| T 19 | 19 49 23 | 27°24'26 | 11♒31 | 9°34 | 22°11 | 12°32 | 29° 3 | 16°23 | 29°11 | 29°10 | 18°53 | 13°24 | 12°44 | 1°38 | 29°39 | T 19 |
| F 20 | 19 53 19 | 28°21'40 | 26° 5 | 9° 9 | 23°24 | 13°14 | 29°12 | 16°27 | 29°14 | 29° 9 | 18°55 | 13°14 | 12°41 | 1°45 | 29°38 | F 20 |
| S 21 | 19 57 16 | 29°18'53 | 10♓43 | 8°41 | 24°37 | 13°56 | 29°21 | 16°30 | 29°17 | 29° 8 | 18°56 | 13° 6 | 12°37 | 1°52 | 29°37 | S 21 |
| S 22 | 20 1 12 | 0♌16'07 | 25°17 | 8° 9 | 25°50 | 14°38 | 29°30 | 16°33 | 29°20 | 29° 8 | 18°58 | 13° 0 | 12°34 | 1°58 | 29°36 | S 22 |
| M23 | 20 5 9 | 1°13'22 | 9♈43 | 7°35 | 27° 2 | 15°19 | 29°39 | 16°37 | 29°24 | 29° 7 | 18°59 | 12°56 | 12°31 | 2° 5 | 29°35 | M23 |
| T 24 | 20 9 6 | 2°10'36 | 23°57 | 6°59 | 28°15 | 16° 1 | 29°48 | 16°40 | 29°27 | 29° 7 | 19° 1 | 12°55 | 12°28 | 2°12 | 29°34 | T 24 |
| W25 | 20 13 2 | 3° 7'51 | 7♉57 | 6°22 | 29°27 | 16°43 | 29°58 | 16°44 | 29°30 | 29° 6 | 19° 2 | 12°55 | 12°25 | 2°18 | 29°33 | W25 |
| T 26 | 20 16 59 | 4° 5'07 | 21°44 | 5°43 | 0♍40 | 17°24 | 0♎ 7 | 16°48 | 29°33 | 29° 6 | 19° 4 | 12°55 | 12°22 | 2°25 | 29°31 | T 26 |
| F 27 | 20 20 55 | 5° 2'23 | 5♊17 | 5° 4 | 1°53 | 18° 6 | 0°17 | 16°51 | 29°36 | 29° 5 | 19° 5 | 12°53 | 12°18 | 2°32 | 29°30 | F 27 |
| S 28 | 20 24 52 | 5°59'40 | 18°39 | 4°26 | 3° 5 | 18°47 | 0°27 | 16°55 | 29°39 | 29° 5 | 19° 7 | 12°50 | 12°15 | 2°38 | 29°29 | S 28 |
| S 29 | 20 28 48 | 6°56'57 | 1♋49 | 3°49 | 4°18 | 19°28 | 0°37 | 16°59 | 29°42 | 29° 4 | 19° 8 | 12°43 | 12°12 | 2°45 | 29°27 | S 29 |
| M30 | 20 32 45 | 7°54'14 | 14°47 | 3°13 | 5°30 | 20° 9 | 0°47 | 17° 3 | 29°45 | 29° 4 | 19°10 | 12°34 | 12° 9 | 2°52 | 29°26 | M30 |
| T 31 | 20 36 41 | 8♌51'32 | 27♋34 | 2♌40 | 6♍43 | 20♉50 | 0♎57 | 17♎ 7 | 29♊48 | 29♏ 4 | 19♍12 | 12♉22 | 12♉ 6 | 2♎58 | 29♓24 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n56 | 26n 9 | 3n 4 | 19n33 | 0n35 | 21n21 | 1n23 | 9n36 | 1s49 | 2n24 | 1n11 | 3s53 | 2n27 | 23n25 | 0n 7 | 18s16 | 1n42 | 16n 1 | 12n32 | 16n18 | 15n52 | 3n26 | 3n42 | 4n 7 |
| M 2 | 22 51 | 27 8 | 3 56 | 19 10 | 0 23 | 21 6 | 1 25 | 9 51 | 1 49 | 2 21 | 1 11 | 3 54 | 2 27 | 23 25 | 0 7 | 18 15 | 1 42 | 16 1 | 12 31 | 16 16 | 15 51 | 3 23 | 3 42 | 4 8 |
| T 3 | 22 46 | 26 33 | 4 33 | 18 46 | 0 11 | 20 51 | 1 26 | 10 6 | 1 49 | 2 19 | 1 11 | 3 55 | 2 26 | 23 25 | 0 7 | 18 15 | 1 42 | 16 0 | 12 31 | 16 13 | 15 50 | 3 20 | 3 42 | 4 8 |
| W 4 | 22 41 | 24 33 | 4 56 | 18 22 | 0s 2 | 20 35 | 1 27 | 10 21 | 1 49 | 2 16 | 1 11 | 3 56 | 2 26 | 23 25 | 0 7 | 18 15 | 1 42 | 15 59 | 12 31 | 16 10 | 15 49 | 3 16 | 3 42 | 4 8 |
| T 5 | 22 35 | 21 23 | 5 4 | 17 59 | 0 15 | 20 19 | 1 28 | 10 36 | 1 49 | 2 13 | 1 11 | 3 57 | 2 26 | 23 25 | 0 7 | 18 15 | 1 42 | 15 59 | 12 31 | 16 7 | 15 48 | 3 13 | 3 43 | 4 8 |
| F 6 | 22 29 | 17 19 | 4 58 | 17 37 | 0 29 | 20 2 | 1 30 | 10 51 | 1 48 | 2 9 | 1 10 | 3 58 | 2 26 | 23 25 | 0 7 | 18 15 | 1 42 | 15 58 | 12 30 | 16 4 | 15 47 | 3 10 | 3 43 | 4 8 |
| S 7 | 22 22 | 12 37 | 4 38 | 17 14 | 0 43 | 19 44 | 1 31 | 11 5 | 1 48 | 2 6 | 1 10 | 3 59 | 2 26 | 23 25 | 0 7 | 18 14 | 1 42 | 15 57 | 12 30 | 16 2 | 15 46 | 3 7 | 3 43 | 4 8 |
| S 8 | 22 15 | 7 31 | 4 6 | 16 53 | 0 58 | 19 26 | 1 32 | 11 20 | 1 48 | 2 3 | 1 10 | 4 0 | 2 25 | 23 25 | 0 7 | 18 14 | 1 42 | 15 57 | 12 30 | 16 0 | 15 45 | 3 3 | 3 43 | 4 9 |
| M 9 | 22 8 | 2 11 | 3 23 | 16 32 | 1 13 | 19 7 | 1 32 | 11 34 | 1 48 | 2 0 | 1 10 | 4 1 | 2 25 | 23 25 | 0 7 | 18 14 | 1 42 | 15 56 | 12 30 | 15 59 | 15 44 | 3 0 | 3 43 | 4 9 |
| T 10 | 22 0 | 3s14 | 2 32 | 16 12 | 1 29 | 18 48 | 1 33 | 11 48 | 1 48 | 1 57 | 1 10 | 4 2 | 2 25 | 23 25 | 0 7 | 18 14 | 1 42 | 15 55 | 12 29 | 15 59 | 15 43 | 2 57 | 3 43 | 4 9 |
| W11 | 21 52 | 8 33 | 1 35 | 15 53 | 1 44 | 18 29 | 1 34 | 12 2 | 1 48 | 1 53 | 1 10 | 4 3 | 2 25 | 23 25 | 0 7 | 18 14 | 1 42 | 15 55 | 12 29 | 15 59 | 15 42 | 2 54 | 3 43 | 4 9 |
| T 12 | 21 44 | 13 38 | 0 32 | 15 35 | 2 0 | 18 9 | 1 35 | 12 16 | 1 48 | 1 50 | 1 9 | 4 4 | 2 24 | 23 25 | 0 7 | 18 14 | 1 42 | 15 54 | 12 29 | 15 59 | 15 42 | 2 50 | 3 43 | 4 9 |
| F 13 | 21 35 | 18 17 | 0s33 | 15 19 | 2 16 | 17 48 | 1 35 | 12 30 | 1 48 | 1 47 | 1 9 | 4 5 | 2 24 | 23 25 | 0 7 | 18 14 | 1 42 | 15 53 | 12 29 | 15 59 | 15 41 | 2 47 | 3 42 | 4 9 |
| S 14 | 21 26 | 22 15 | 1 39 | 15 3 | 2 32 | 17 27 | 1 36 | 12 43 | 1 48 | 1 43 | 1 9 | 4 6 | 2 24 | 23 26 | 0 7 | 18 13 | 1 42 | 15 53 | 12 28 | 15 59 | 15 40 | 2 44 | 3 42 | 4 10 |
| S 15 | 21 16 | 25 14 | 2 41 | 14 49 | 2 47 | 17 6 | 1 36 | 12 57 | 1 48 | 1 40 | 1 9 | 4 8 | 2 24 | 23 26 | 0 7 | 18 13 | 1 42 | 15 52 | 12 28 | 15 58 | 15 39 | 2 41 | 3 42 | 4 10 |
| M16 | 21 6 | 26 54 | 3 35 | 14 36 | 3 3 | 16 44 | 1 37 | 13 10 | 1 47 | 1 36 | 1 9 | 4 9 | 2 23 | 23 26 | 0 7 | 18 13 | 1 42 | 15 51 | 12 28 | 15 56 | 15 38 | 2 37 | 3 42 | 4 10 |
| T 17 | 20 56 | 27 0 | 4 20 | 14 25 | 3 18 | 16 21 | 1 37 | 13 23 | 1 47 | 1 33 | 1 9 | 4 10 | 2 23 | 23 26 | 0 7 | 18 13 | 1 42 | 15 50 | 12 28 | 15 53 | 15 37 | 2 34 | 3 42 | 4 10 |
| W18 | 20 45 | 25 21 | 4 49 | 14 15 | 3 33 | 15 58 | 1 37 | 13 36 | 1 47 | 1 29 | 1 9 | 4 11 | 2 23 | 23 26 | 0 7 | 18 13 | 1 42 | 15 50 | 12 27 | 15 50 | 15 36 | 2 31 | 3 42 | 4 10 |
| T 19 | 20 34 | 22 4 | 5 1 | 14 7 | 3 47 | 15 35 | 1 38 | 13 49 | 1 47 | 1 26 | 1 8 | 4 13 | 2 23 | 23 26 | 0 7 | 18 13 | 1 42 | 15 49 | 12 27 | 15 47 | 15 35 | 2 28 | 3 42 | 4 10 |
| F 20 | 20 23 | 17 22 | 4 54 | 14 1 | 4 0 | 15 11 | 1 38 | 14 2 | 1 47 | 1 22 | 1 8 | 4 14 | 2 23 | 23 26 | 0 7 | 18 13 | 1 42 | 15 48 | 12 27 | 15 44 | 15 34 | 2 24 | 3 41 | 4 10 |
| S 21 | 20 11 | 11 38 | 4 28 | 13 56 | 4 12 | 14 47 | 1 38 | 14 15 | 1 46 | 1 18 | 1 8 | 4 16 | 2 22 | 23 26 | 0 7 | 18 13 | 1 41 | 15 47 | 12 27 | 15 41 | 15 33 | 2 21 | 3 41 | 4 11 |
| S 22 | 19 59 | 5 17 | 3 44 | 13 53 | 4 24 | 14 23 | 1 38 | 14 27 | 1 46 | 1 14 | 1 8 | 4 17 | 2 22 | 23 26 | 0 7 | 18 13 | 1 41 | 15 47 | 12 26 | 15 40 | 15 32 | 2 18 | 3 41 | 4 11 |
| M23 | 19 47 | 1n17 | 2 46 | 13 52 | 4 34 | 13 58 | 1 38 | 14 40 | 1 46 | 1 11 | 1 8 | 4 19 | 2 22 | 23 26 | 0 7 | 18 13 | 1 41 | 15 46 | 12 26 | 15 39 | 15 31 | 2 15 | 3 40 | 4 11 |
| T 24 | 19 34 | 7 43 | 1 39 | 13 52 | 4 42 | 13 33 | 1 38 | 14 52 | 1 46 | 1 7 | 1 8 | 4 20 | 2 22 | 23 26 | 0 7 | 18 12 | 1 41 | 15 45 | 12 26 | 15 38 | 15 30 | 2 11 | 3 40 | 4 11 |
| W25 | 19 21 | 13 41 | 0 26 | 13 54 | 4 50 | 13 7 | 1 37 | 15 4 | 1 45 | 1 3 | 1 8 | 4 22 | 2 21 | 23 26 | 0 7 | 18 12 | 1 41 | 15 44 | 12 26 | 15 38 | 15 29 | 2 8 | 3 40 | 4 11 |
| T 26 | 19 8 | 18 51 | 0n46 | 13 58 | 4 55 | 12 42 | 1 37 | 15 16 | 1 45 | 0 59 | 1 7 | 4 23 | 2 21 | 23 26 | 0 7 | 18 12 | 1 41 | 15 43 | 12 26 | 15 38 | 15 28 | 2 5 | 3 39 | 4 11 |
| F 27 | 18 55 | 22 58 | 1 55 | 14 3 | 4 59 | 12 15 | 1 37 | 15 27 | 1 45 | 0 55 | 1 7 | 4 25 | 2 21 | 23 26 | 0 7 | 18 12 | 1 41 | 15 43 | 12 25 | 15 38 | 15 27 | 2 2 | 3 39 | 4 11 |
| S 28 | 18 41 | 25 46 | 2 57 | 14 10 | 5 2 | 11 49 | 1 36 | 15 39 | 1 44 | 0 51 | 1 7 | 4 27 | 2 21 | 23 26 | 0 7 | 18 12 | 1 41 | 15 42 | 12 25 | 15 37 | 15 26 | 1 58 | 3 39 | 4 11 |
| S 29 | 18 26 | 27 6 | 3 48 | 14 17 | 5 3 | 11 22 | 1 36 | 15 50 | 1 44 | 0 47 | 1 7 | 4 28 | 2 21 | 23 26 | 0 7 | 18 12 | 1 41 | 15 41 | 12 25 | 15 35 | 15 25 | 1 55 | 3 38 | 4 12 |
| M30 | 18 12 | 26 54 | 4 26 | 14 26 | 5 2 | 10 55 | 1 35 | 16 2 | 1 43 | 0 43 | 1 7 | 4 30 | 2 20 | 23 26 | 0 7 | 18 12 | 1 41 | 15 40 | 12 25 | 15 32 | 15 24 | 1 52 | 3 38 | 4 12 |
| T 31 | 17n57 | 25n17 | 4n50 | 14n36 | 4s59 | 10n28 | 1n34 | 16n13 | 1s43 | 0n39 | 1n 7 | 4s32 | 2n20 | 23n26 | 0n 7 | 18s12 | 1n41 | 15n39 | 12n25 | 15n28 | 15n23 | 1n49 | 3n37 | 4n12 |

Julian Day Number = 2799802.5, Delta T = 49m57s
Ecliptic obliquity = 23°19'03, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'13, Lahiri = 37°12'13


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# ASTRODIENST EPHEMERIS for the year 2953
# geocentric

## AUGUST 2953 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 40 38 | 9♌48'50 | 10♌ 9 | 2°R10 | 7♍55 | 21♉31 | 1♎ 7 | 17♎11 | 29♊51 | 29°R 3 | 19♍13 | 12°R 9 | 12♉ 3 | 3♎ 5 | 29°R23 | W 1 |
| T 2 | 20 44 35 | 10°46'09 | 22°33 | 1♌44 | 9° 8 | 22°11 | 1°17 | 17°16 | 29°53 | 29♏ 3 | 19°15 | 11♉56 | 11°59 | 3°12 | 29♓21 | T 2 |
| F 3 | 20 48 31 | 11°43'27 | 4♍45 | 1°22 | 10°20 | 22°52 | 1°27 | 17°20 | 29°56 | 29° 3 | 19°16 | 11°44 | 11°56 | 3°18 | 29°20 | F 3 |
| S 4 | 20 52 28 | 12°40'46 | 16°47 | 1° 4 | 11°32 | 23°32 | 1°38 | 17°24 | 29°59 | 29° 3 | 19°18 | 11°33 | 11°53 | 3°25 | 29°18 | S 4 |
| S 5 | 20 56 24 | 13°38'06 | 28°41 | 0°51 | 12°45 | 24°12 | 1°48 | 17°29 | 0♋ 2 | 29° 3 | 19°20 | 11°25 | 11°50 | 3°32 | 29°16 | S 5 |
| M 6 | 21 0 21 | 14°35'25 | 10♎30 | 0°43 | 13°57 | 24°52 | 1°59 | 17°33 | 0° 5 | 29° 2 | 19°22 | 11°19 | 11°47 | 3°38 | 29°14 | M 6 |
| T 7 | 21 4 17 | 15°32'45 | 22°18 | 0°D41 | 15° 9 | 25°32 | 2° 9 | 17°38 | 0° 7 | 29° 2 | 19°23 | 11°17 | 11°43 | 3°45 | 29°13 | T 7 |
| W 8 | 21 8 14 | 16°30'05 | 4♏ 9 | 0°44 | 16°21 | 26°12 | 2°20 | 17°43 | 0°10 | 29° 2 | 19°25 | 11°16 | 11°40 | 3°52 | 29°11 | W 8 |
| T 9 | 21 12 10 | 17°27'26 | 16°10 | 0°53 | 17°34 | 26°52 | 2°31 | 17°48 | 0°13 | 29° 2 | 19°27 | 11°15 | 11°37 | 3°58 | 29° 9 | T 9 |
| F 10 | 21 16 7 | 18°24'47 | 28°24 | 1° 8 | 18°46 | 27°32 | 2°41 | 17°53 | 0°15 | 29°D 2 | 19°29 | 11°15 | 11°34 | 4° 5 | 29° 7 | F 10 |
| S 11 | 21 20 4 | 19°22'08 | 10♐58 | 1°29 | 19°58 | 28°11 | 2°52 | 17°57 | 0°18 | 29° 2 | 19°30 | 11°14 | 11°31 | 4°12 | 29° 5 | S 11 |
| S 12 | 21 24 0 | 20°19'30 | 23°56 | 1°57 | 21°10 | 28°50 | 3° 3 | 18° 2 | 0°21 | 29° 2 | 19°32 | 11°10 | 11°28 | 4°19 | 29° 3 | S 12 |
| M13 | 21 27 57 | 21°16'52 | 7♑21 | 2°30 | 22°22 | 29°29 | 3°14 | 18° 8 | 0°23 | 29° 2 | 19°34 | 11° 4 | 11°24 | 4°25 | 29° 1 | M13 |
| T 14 | 21 31 53 | 22°14'15 | 21°15 | 3° 9 | 23°34 | 0♊ 8 | 3°26 | 18°13 | 0°26 | 29° 2 | 19°36 | 10°56 | 11°21 | 4°32 | 28°59 | T 14 |
| W15 | 21 35 50 | 23°11'38 | 5♒35 | 3°54 | 24°46 | 0°47 | 3°37 | 18°18 | 0°28 | 29° 3 | 19°38 | 10°46 | 11°18 | 4°39 | 28°57 | W15 |
| T 16 | 21 39 46 | 24° 9'02 | 20°16 | 4°46 | 25°58 | 1°26 | 3°48 | 18°23 | 0°30 | 29° 3 | 19°40 | 10°35 | 11°15 | 4°45 | 28°54 | T 16 |
| F 17 | 21 43 43 | 25° 6'26 | 5♓12 | 5°43 | 27°10 | 2° 4 | 3°59 | 18°28 | 0°33 | 29° 3 | 19°42 | 10°25 | 11°12 | 4°52 | 28°52 | F 17 |
| S 18 | 21 47 39 | 26° 3'52 | 20°12 | 6°46 | 28°22 | 2°42 | 4°11 | 18°34 | 0°35 | 29° 3 | 19°44 | 10°16 | 11° 9 | 4°59 | 28°50 | S 18 |
| S 19 | 21 51 36 | 27° 1'18 | 5♈ 9 | 7°54 | 29°33 | 3°21 | 4°22 | 18°39 | 0°37 | 29° 4 | 19°45 | 10°10 | 11° 5 | 5° 5 | 28°48 | S 19 |
| M20 | 21 55 33 | 27°58'46 | 19°53 | 9° 8 | 0♎45 | 3°59 | 4°34 | 18°45 | 0°40 | 29° 4 | 19°47 | 10° 6 | 11° 2 | 5°12 | 28°45 | M20 |
| T 21 | 21 59 29 | 28°56'14 | 4♉20 | 10°27 | 1°57 | 4°36 | 4°45 | 18°50 | 0°42 | 29° 4 | 19°49 | 10°D 5 | 10°59 | 5°19 | 28°43 | T 21 |
| W22 | 22 3 26 | 29°53'44 | 18°26 | 11°52 | 3° 8 | 5°14 | 4°57 | 18°56 | 0°44 | 29° 5 | 19°51 | 10° 5 | 10°56 | 5°25 | 28°41 | W22 |
| T 23 | 22 7 22 | 0♍51'15 | 2♊13 | 13°21 | 4°20 | 5°52 | 5° 8 | 19° 2 | 0°46 | 29° 5 | 19°53 | 10°R 5 | 10°53 | 5°32 | 28°38 | T 23 |
| F 24 | 22 11 19 | 1°48'48 | 15°40 | 14°55 | 5°32 | 6°29 | 5°20 | 19° 8 | 0°48 | 29° 5 | 19°55 | 10° 5 | 10°49 | 5°39 | 28°36 | F 24 |
| S 25 | 22 15 15 | 2°46'22 | 28°50 | 16°33 | 6°43 | 7° 6 | 5°32 | 19°13 | 0°51 | 29° 6 | 19°57 | 10° 2 | 10°46 | 5°45 | 28°33 | S 25 |
| S 26 | 22 19 12 | 3°43'57 | 11♋44 | 18°15 | 7°55 | 7°43 | 5°44 | 19°19 | 0°53 | 29° 6 | 19°59 | 9°57 | 10°43 | 5°52 | 28°31 | S 26 |
| M27 | 22 23 8 | 4°41'34 | 24°26 | 20° 0 | 9° 6 | 8°19 | 5°56 | 19°25 | 0°55 | 29° 7 | 20° 1 | 9°49 | 10°40 | 5°59 | 28°28 | M27 |
| T 28 | 22 27 5 | 5°39'12 | 6♌55 | 21°49 | 10°18 | 8°56 | 6° 8 | 19°31 | 0°57 | 29° 7 | 20° 3 | 9°39 | 10°37 | 6° 5 | 28°26 | T 28 |
| W29 | 22 31 2 | 6°36'51 | 19°15 | 23°41 | 11°29 | 9°32 | 6°20 | 19°37 | 0°58 | 29° 8 | 20° 5 | 9°28 | 10°34 | 6°12 | 28°23 | W29 |
| T 30 | 22 34 58 | 7°34'31 | 1♍25 | 25°35 | 12°40 | 10° 8 | 6°32 | 19°43 | 1° 0 | 29° 9 | 20° 7 | 9°16 | 10°30 | 6°19 | 28°21 | T 30 |
| F 31 | 22 38 55 | 8♍32'12 | 13♍28 | 27♌31 | 13♎52 | 10♊44 | 6♎44 | 19♎49 | 1♋ 2 | 29♏ 9 | 20♍ 9 | 9♉ 5 | 10♉27 | 6♎25 | 28♓18 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n42 | 22n25 | 5n 0 | 14n47 | 4s55 | 10n 0 | 1n34 | 16n24 | 1s43 | 0n35 | 1n 7 | 4s34 | 2n20 | 23n26 | 0n 7 | 18s12 | 1n41 | 15n39 | 12n25 | 15n24 | 15n22 | 1n45 | 3n37 | 4n12 |
| T 2 | 17 27 | 18 34 | 4 55 | 14 58 | 4 49 | 9 32 | 1 33 | 16 34 | 1 42 | 0 31 | 1 7 | 4 35 | 2 20 | 23 26 | 0 7 | 18 12 | 1 41 | 15 38 | 12 24 | 15 20 | 15 21 | 1 42 | 3 36 | 4 12 |
| F 3 | 17 11 | 14 1 | 4 36 | 15 10 | 4 42 | 9 4 | 1 32 | 16 45 | 1 42 | 0 27 | 1 7 | 4 37 | 2 20 | 23 26 | 0 7 | 18 12 | 1 41 | 15 37 | 12 24 | 15 17 | 15 20 | 1 39 | 3 36 | 4 12 |
| S 4 | 16 55 | 8 58 | 4 6 | 15 22 | 4 33 | 8 36 | 1 31 | 16 55 | 1 41 | 0 22 | 1 6 | 4 39 | 2 19 | 23 26 | 0 7 | 18 12 | 1 41 | 15 36 | 12 24 | 15 13 | 15 19 | 1 36 | 3 35 | 4 12 |
| S 5 | 16 39 | 3 39 | 3 25 | 15 35 | 4 23 | 8 7 | 1 30 | 17 6 | 1 41 | 0 18 | 1 6 | 4 41 | 2 19 | 23 26 | 0 7 | 18 12 | 1 41 | 15 35 | 12 24 | 15 11 | 15 18 | 1 32 | 3 34 | 4 12 |
| M 6 | 16 22 | 1s45 | 2 35 | 15 47 | 4 12 | 7 39 | 1 28 | 17 16 | 1 40 | 0 14 | 1 6 | 4 43 | 2 19 | 23 26 | 0 7 | 18 12 | 1 41 | 15 35 | 12 24 | 15 9 | 15 17 | 1 29 | 3 34 | 4 13 |
| T 7 | 16 6 | 7 7 | 1 39 | 15 59 | 4 0 | 7 10 | 1 27 | 17 26 | 1 40 | 0 10 | 1 6 | 4 45 | 2 19 | 23 26 | 0 7 | 18 12 | 1 41 | 15 34 | 12 24 | 15 8 | 15 16 | 1 26 | 3 33 | 4 13 |
| W 8 | 15 49 | 12 15 | 0 38 | 16 11 | 3 48 | 6 41 | 1 26 | 17 36 | 1 39 | 0 5 | 1 6 | 4 47 | 2 19 | 23 26 | 0 7 | 18 12 | 1 40 | 15 33 | 12 24 | 15 8 | 15 15 | 1 22 | 3 33 | 4 13 |
| T 9 | 15 31 | 17 0 | 0s26 | 16 23 | 3 34 | 6 11 | 1 25 | 17 45 | 1 39 | 0 1 | 1 6 | 4 49 | 2 18 | 23 26 | 0 7 | 18 12 | 1 40 | 15 32 | 12 23 | 15 8 | 15 15 | 1 19 | 3 32 | 4 13 |
| F 10 | 15 14 | 21 10 | 1 30 | 16 33 | 3 19 | 5 42 | 1 23 | 17 55 | 1 38 | 0s 3 | 1 6 | 4 51 | 2 18 | 23 26 | 0 7 | 18 12 | 1 40 | 15 31 | 12 23 | 15 8 | 15 14 | 1 16 | 3 31 | 4 13 |
| S 11 | 14 56 | 24 27 | 2 30 | 16 43 | 3 5 | 5 12 | 1 21 | 18 4 | 1 38 | 0 8 | 1 6 | 4 53 | 2 18 | 23 26 | 0 7 | 18 13 | 1 40 | 15 30 | 12 23 | 15 7 | 15 13 | 1 13 | 3 31 | 4 13 |
| S 12 | 14 38 | 26 36 | 3 26 | 16 52 | 2 49 | 4 43 | 1 20 | 18 13 | 1 37 | 0 12 | 1 6 | 4 55 | 2 18 | 23 26 | 0 7 | 18 13 | 1 40 | 15 30 | 12 23 | 15 6 | 15 12 | 1 9 | 3 30 | 4 13 |
| M13 | 14 20 | 27 18 | 4 11 | 17 0 | 2 34 | 4 13 | 1 18 | 18 22 | 1 37 | 0 17 | 1 5 | 4 57 | 2 18 | 23 26 | 0 7 | 18 13 | 1 40 | 15 29 | 12 23 | 15 4 | 15 11 | 1 6 | 3 29 | 4 13 |
| T 14 | 14 2 | 26 19 | 4 44 | 17 7 | 2 18 | 3 43 | 1 16 | 18 31 | 1 36 | 0 21 | 1 5 | 4 59 | 2 18 | 23 26 | 0 7 | 18 13 | 1 40 | 15 28 | 12 23 | 15 2 | 15 10 | 1 3 | 3 28 | 4 13 |
| W15 | 13 43 | 23 38 | 5 0 | 17 12 | 2 2 | 3 13 | 1 15 | 18 39 | 1 35 | 0 26 | 1 5 | 5 1 | 2 17 | 23 26 | 0 7 | 18 13 | 1 40 | 15 27 | 12 23 | 14 59 | 15 9 | 1 0 | 3 28 | 4 13 |
| T 16 | 13 24 | 19 21 | 4 57 | 17 15 | 1 46 | 2 42 | 1 13 | 18 48 | 1 35 | 0 30 | 1 5 | 5 3 | 2 17 | 23 26 | 0 7 | 18 13 | 1 40 | 15 26 | 12 23 | 14 55 | 15 8 | 0 56 | 3 27 | 4 13 |
| F 17 | 13 5 | 13 48 | 4 34 | 17 17 | 1 30 | 2 12 | 1 11 | 18 56 | 1 34 | 0 35 | 1 5 | 5 5 | 2 17 | 23 26 | 0 7 | 18 13 | 1 40 | 15 26 | 12 23 | 14 52 | 15 7 | 0 53 | 3 26 | 4 13 |
| S 18 | 12 46 | 7 25 | 3 52 | 17 17 | 1 15 | 1 42 | 1 9 | 19 4 | 1 34 | 0 39 | 1 5 | 5 8 | 2 17 | 23 26 | 0 7 | 18 13 | 1 40 | 15 25 | 12 22 | 14 49 | 15 6 | 0 50 | 3 25 | 4 14 |
| S 19 | 12 27 | 0 38 | 2 54 | 17 15 | 0 59 | 1 12 | 1 6 | 19 12 | 1 33 | 0 44 | 1 5 | 5 10 | 2 17 | 23 26 | 0 7 | 18 13 | 1 40 | 15 24 | 12 22 | 14 48 | 15 5 | 0 46 | 3 24 | 4 14 |
| M20 | 12 7 | 6n 7 | 1 45 | 17 10 | 0 44 | 0 41 | 1 4 | 19 20 | 1 32 | 0 49 | 1 5 | 5 12 | 2 17 | 23 26 | 0 7 | 18 13 | 1 40 | 15 23 | 12 22 | 14 46 | 15 4 | 0 43 | 3 23 | 4 14 |
| T 21 | 11 47 | 12 25 | 0 31 | 17 3 | 0 30 | 0 11 | 1 2 | 19 27 | 1 31 | 0 53 | 1 5 | 5 14 | 2 16 | 23 26 | 0 7 | 18 14 | 1 40 | 15 22 | 12 22 | 14 46 | 15 3 | 0 40 | 3 23 | 4 14 |
| W22 | 11 27 | 17 56 | 0n44 | 16 54 | 0 15 | 0s20 | 1 0 | 19 35 | 1 31 | 0 58 | 1 5 | 5 17 | 2 16 | 23 26 | 0 7 | 18 14 | 1 40 | 15 21 | 12 22 | 14 46 | 15 2 | 0 37 | 3 22 | 4 14 |
| T 23 | 11 7 | 22 22 | 1 55 | 16 42 | 0 2 | 0 50 | 0 57 | 19 42 | 1 30 | 1 3 | 1 5 | 5 19 | 2 16 | 23 26 | 0 7 | 18 14 | 1 40 | 15 21 | 12 22 | 14 46 | 15 1 | 0 33 | 3 21 | 4 14 |
| F 24 | 10 47 | 25 29 | 2 57 | 16 27 | 0n11 | 1 21 | 0 55 | 19 49 | 1 29 | 1 7 | 1 5 | 5 21 | 2 16 | 23 26 | 0 7 | 18 14 | 1 40 | 15 20 | 12 22 | 14 46 | 15 0 | 0 30 | 3 20 | 4 14 |
| S 25 | 10 26 | 27 8 | 3 49 | 16 10 | 0 23 | 1 51 | 0 52 | 19 56 | 1 28 | 1 12 | 1 4 | 5 23 | 2 16 | 23 26 | 0 7 | 18 14 | 1 40 | 15 19 | 12 22 | 14 45 | 14 59 | 0 27 | 3 19 | 4 14 |
| S 26 | 10 5 | 27 15 | 4 28 | 15 50 | 0 35 | 2 22 | 0 50 | 20 3 | 1 28 | 1 17 | 1 4 | 5 26 | 2 16 | 23 26 | 0 7 | 18 14 | 1 39 | 15 18 | 12 22 | 14 43 | 14 58 | 0 23 | 3 18 | 4 14 |
| M27 | 9 45 | 25 55 | 4 52 | 15 28 | 0 46 | 2 52 | 0 47 | 20 9 | 1 27 | 1 21 | 1 4 | 5 28 | 2 16 | 23 26 | 0 7 | 18 14 | 1 39 | 15 17 | 12 22 | 14 41 | 14 57 | 0 20 | 3 17 | 4 14 |
| T 28 | 9 24 | 23 20 | 5 3 | 15 2 | 0 56 | 3 23 | 0 44 | 20 16 | 1 26 | 1 26 | 1 4 | 5 31 | 2 15 | 23 26 | 0 7 | 18 15 | 1 39 | 15 17 | 12 22 | 14 38 | 14 56 | 0 17 | 3 16 | 4 14 |
| W29 | 9 2 | 19 42 | 4 59 | 14 34 | 1 5 | 3 53 | 0 41 | 20 22 | 1 25 | 1 31 | 1 4 | 5 33 | 2 15 | 23 26 | 0 7 | 18 15 | 1 39 | 15 16 | 12 22 | 14 34 | 14 55 | 0 13 | 3 15 | 4 14 |
| T 30 | 8 41 | 15 17 | 4 41 | 14 4 | 1 13 | 4 23 | 0 38 | 20 28 | 1 24 | 1 36 | 1 4 | 5 35 | 2 15 | 23 26 | 0 7 | 18 15 | 1 39 | 15 15 | 12 22 | 14 31 | 14 54 | 0 10 | 3 14 | 4 14 |
| F 31 | 8n20 | 10n20 | 4n11 | 13n31 | 1n20 | 4s54 | 0n36 | 20n34 | 1s23 | 1s41 | 1n 4 | 5s38 | 2n15 | 23n26 | 0n 7 | 18s15 | 1n39 | 15n14 | 12n22 | 14n27 | 14n53 | 0n 7 | 3n13 | 4n14 |

Julian Day Number = 2799833.5, Delta T = 49m57s
Ecliptic obliquity = 23°19'03, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'17, Lahiri = 37°12'18


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# ASTRODIENST EPHEMERIS for the year 2953
# geocentric

## SEPTEMBER 2953 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 42 51 | 9♍29'55 | 25♍23 | 29♌29 | 15♎ 3 | 11♊20 | 6♎56 | 19♎56 | 1♋ 4 | 29♏10 | 20♍11 | 8°R56 | 10♉24 | 6♎32 | 28°R15 | S 1 |
| S 2 | 22 46 48 | 10°27'39 | 7♎13 | 1♍28 | 16°14 | 11°55 | 7° 8 | 20° 2 | 1° 6 | 29°11 | 20°13 | 8♉49 | 10°21 | 6°39 | 28♓13 | S 2 |
| M 3 | 22 50 44 | 11°25'24 | 19° 0 | 3°28 | 17°25 | 12°30 | 7°20 | 20° 8 | 1° 7 | 29°12 | 20°15 | 8°45 | 10°18 | 6°45 | 28°10 | M 3 |
| T 4 | 22 54 41 | 12°23'10 | 0♏47 | 5°29 | 18°36 | 13° 5 | 7°32 | 20°15 | 1° 9 | 29°12 | 20°17 | 8°43 | 10°14 | 6°52 | 28° 7 | T 4 |
| W 5 | 22 58 37 | 13°20'57 | 12°39 | 7°29 | 19°47 | 13°40 | 7°45 | 20°21 | 1°11 | 29°13 | 20°19 | 8°D42 | 10°11 | 6°59 | 28° 5 | W 5 |
| T 6 | 23 2 34 | 14°18'45 | 24°38 | 9°30 | 20°58 | 14°14 | 7°57 | 20°27 | 1°12 | 29°14 | 20°21 | 8°43 | 10° 8 | 7° 5 | 28° 2 | T 6 |
| F 7 | 23 6 30 | 15°16'35 | 6♐51 | 11°31 | 22° 9 | 14°49 | 8° 9 | 20°34 | 1°14 | 29°15 | 20°23 | 8°44 | 10° 5 | 7°12 | 27°59 | F 7 |
| S 8 | 23 10 27 | 16°14'25 | 19°23 | 13°31 | 23°20 | 15°23 | 8°22 | 20°40 | 1°15 | 29°16 | 20°25 | 8°R44 | 10° 2 | 7°19 | 27°56 | S 8 |
| S 9 | 23 14 24 | 17°12'17 | 2♑17 | 15°31 | 24°31 | 15°56 | 8°34 | 20°47 | 1°16 | 29°17 | 20°27 | 8°43 | 9°59 | 7°25 | 27°54 | S 9 |
| M10 | 23 18 20 | 18°10'10 | 15°39 | 17°29 | 25°41 | 16°30 | 8°47 | 20°54 | 1°18 | 29°18 | 20°29 | 8°40 | 9°55 | 7°32 | 27°51 | M10 |
| T 11 | 23 22 17 | 19° 8'04 | 29°29 | 19°27 | 26°52 | 17° 3 | 8°59 | 21° 0 | 1°19 | 29°19 | 20°31 | 8°35 | 9°52 | 7°39 | 27°48 | T 11 |
| W12 | 23 26 13 | 20° 6'00 | 13♒49 | 21°24 | 28° 3 | 17°36 | 9°12 | 21° 7 | 1°20 | 29°20 | 20°33 | 8°29 | 9°49 | 7°45 | 27°45 | W12 |
| T 13 | 23 30 10 | 21° 3'56 | 28°34 | 23°20 | 29°13 | 18° 9 | 9°24 | 21°14 | 1°22 | 29°21 | 20°35 | 8°22 | 9°46 | 7°52 | 27°42 | T 13 |
| F 14 | 23 34 6 | 22° 1'54 | 13♓38 | 25°15 | 0♏24 | 18°41 | 9°37 | 21°20 | 1°23 | 29°22 | 20°37 | 8°15 | 9°43 | 7°59 | 27°40 | F 14 |
| S 15 | 23 38 3 | 22°59'54 | 28°51 | 27° 8 | 1°34 | 19°13 | 9°50 | 21°27 | 1°24 | 29°23 | 20°40 | 8° 9 | 9°40 | 8° 5 | 27°37 | S 15 |
| S 16 | 23 41 59 | 23°57'54 | 14♈ 3 | 29° 0 | 2°45 | 19°45 | 10° 2 | 21°34 | 1°25 | 29°24 | 20°42 | 8° 5 | 9°36 | 8°12 | 27°34 | S 16 |
| M17 | 23 45 56 | 24°55'57 | 29° 4 | 0♎52 | 3°55 | 20°16 | 10°15 | 21°41 | 1°26 | 29°25 | 20°44 | 8° 3 | 9°33 | 8°19 | 27°31 | M17 |
| T 18 | 23 49 53 | 25°54'02 | 13♉47 | 2°42 | 5° 5 | 20°48 | 10°28 | 21°48 | 1°27 | 29°27 | 20°46 | 8°D 3 | 9°30 | 8°25 | 27°28 | T 18 |
| W19 | 23 53 49 | 26°52'08 | 28° 7 | 4°30 | 6°15 | 21°19 | 10°40 | 21°55 | 1°28 | 29°28 | 20°48 | 8° 4 | 9°27 | 8°32 | 27°25 | W19 |
| T 20 | 23 57 46 | 27°50'16 | 12♊ 2 | 6°18 | 7°25 | 21°49 | 10°53 | 22° 2 | 1°29 | 29°29 | 20°50 | 8° 5 | 9°24 | 8°39 | 27°23 | T 20 |
| F 21 | 0 1 42 | 28°48'27 | 25°33 | 8° 4 | 8°35 | 22°20 | 11° 6 | 22° 9 | 1°30 | 29°30 | 20°52 | 8°R 6 | 9°20 | 8°45 | 27°20 | F 21 |
| S 22 | 0 5 39 | 29°46'39 | 8♋41 | 9°49 | 9°45 | 22°49 | 11°19 | 22°16 | 1°30 | 29°32 | 20°54 | 8° 6 | 9°17 | 8°52 | 27°17 | S 22 |
| S 23 | 0 9 35 | 0♎44'53 | 21°30 | 11°33 | 10°55 | 23°19 | 11°32 | 22°23 | 1°31 | 29°33 | 20°56 | 8° 4 | 9°14 | 8°59 | 27°14 | S 23 |
| M24 | 0 13 32 | 1°43'10 | 4♌ 1 | 13°16 | 12° 5 | 23°48 | 11°44 | 22°30 | 1°32 | 29°34 | 20°58 | 8° 0 | 9°11 | 9° 5 | 27°11 | M24 |
| T 25 | 0 17 28 | 2°41'28 | 16°20 | 14°57 | 13°15 | 24°17 | 11°57 | 22°37 | 1°32 | 29°36 | 21° 0 | 7°55 | 9° 8 | 9°12 | 27° 8 | T 25 |
| W26 | 0 21 25 | 3°39'48 | 28°28 | 16°38 | 14°24 | 24°46 | 12°10 | 22°44 | 1°33 | 29°37 | 21° 2 | 7°49 | 9° 5 | 9°19 | 27° 6 | W26 |
| T 27 | 0 25 22 | 4°38'10 | 10♍28 | 18°17 | 15°34 | 25°14 | 12°23 | 22°51 | 1°34 | 29°39 | 21° 4 | 7°43 | 9° 1 | 9°25 | 27° 3 | T 27 |
| F 28 | 0 29 18 | 5°36'33 | 22°22 | 19°56 | 16°43 | 25°42 | 12°36 | 22°58 | 1°34 | 29°40 | 21° 6 | 7°37 | 8°58 | 9°32 | 27° 0 | F 28 |
| S 29 | 0 33 15 | 6°34'59 | 4♎12 | 21°33 | 17°53 | 26° 9 | 12°49 | 23° 6 | 1°34 | 29°42 | 21° 8 | 7°33 | 8°55 | 9°39 | 26°57 | S 29 |
| S 30 | 0 37 11 | 7♎33'26 | 16♎ 0 | 23♎ 9 | 19♏ 2 | 26♊36 | 13♎ 2 | 23♎13 | 1♋35 | 29♏43 | 21♍10 | 7♉29 | 8♉52 | 9♎45 | 26♓54 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n58 | 5n 3 | 3n30 | 12n56 | 1n26 | 5s24 | 0n33 | 20n40 | 1s22 | 1s45 | 1n 4 | 5s40 | 2n15 | 23n26 | 0n 7 | 18s15 | 1n39 | 15n13 | 12n22 | 14n24 | 14n52 | 0n 4 | 3n12 | 4n14 |
| S 2 | 7 36 | 0s23 | 2 40 | 12 19 | 1 31 | 5 54 | 0 30 | 20 46 | 1 21 | 1 50 | 1 4 | 5 43 | 2 15 | 23 26 | 0 7 | 18 16 | 1 39 | 15 13 | 12 22 | 14 22 | 14 51 | 0 0 | 3 11 | 4 14 |
| M 3 | 7 15 | 5 48 | 1 44 | 11 41 | 1 36 | 6 24 | 0 26 | 20 51 | 1 20 | 1 55 | 1 4 | 5 45 | 2 15 | 23 26 | 0 7 | 18 16 | 1 39 | 15 12 | 12 22 | 14 21 | 14 50 | 0s 3 | 3 10 | 4 14 |
| T 4 | 6 53 | 11 2 | 0 42 | 11 0 | 1 39 | 6 54 | 0 23 | 20 56 | 1 19 | 2 0 | 1 4 | 5 48 | 2 15 | 23 26 | 0 7 | 18 16 | 1 39 | 15 11 | 12 22 | 14 20 | 14 49 | 0 6 | 3 9 | 4 14 |
| W 5 | 6 31 | 15 53 | 0s21 | 10 18 | 1 42 | 7 23 | 0 20 | 21 2 | 1 18 | 2 5 | 1 4 | 5 50 | 2 14 | 23 26 | 0 7 | 18 16 | 1 39 | 15 10 | 12 22 | 14 20 | 14 48 | 0 10 | 3 8 | 4 14 |
| T 6 | 6 9 | 20 12 | 1 25 | 9 34 | 1 44 | 7 53 | 0 17 | 21 7 | 1 17 | 2 10 | 1 4 | 5 53 | 2 14 | 23 26 | 0 7 | 18 16 | 1 39 | 15 9 | 12 22 | 14 20 | 14 47 | 0 13 | 3 7 | 4 14 |
| F 7 | 5 46 | 23 44 | 2 26 | 8 50 | 1 45 | 8 22 | 0 14 | 21 12 | 1 16 | 2 15 | 1 4 | 5 55 | 2 14 | 23 26 | 0 7 | 18 17 | 1 39 | 15 9 | 12 22 | 14 20 | 14 46 | 0 16 | 3 5 | 4 14 |
| S 8 | 5 24 | 26 14 | 3 21 | 8 4 | 1 46 | 8 52 | 0 10 | 21 16 | 1 15 | 2 19 | 1 4 | 5 58 | 2 14 | 23 26 | 0 7 | 18 17 | 1 39 | 15 8 | 12 22 | 14 21 | 14 45 | 0 19 | 3 4 | 4 14 |
| S 9 | 5 2 | 27 26 | 4 8 | 7 18 | 1 45 | 9 21 | 0 7 | 21 21 | 1 14 | 2 24 | 1 4 | 6 0 | 2 14 | 23 26 | 0 8 | 18 17 | 1 39 | 15 7 | 12 22 | 14 20 | 14 44 | 0 23 | 3 3 | 4 14 |
| M10 | 4 39 | 27 6 | 4 44 | 6 31 | 1 44 | 9 50 | 0 3 | 21 25 | 1 13 | 2 29 | 1 4 | 6 3 | 2 14 | 23 26 | 0 8 | 18 17 | 1 39 | 15 6 | 12 22 | 14 19 | 14 43 | 0 26 | 3 2 | 4 14 |
| T 11 | 4 17 | 25 6 | 5 4 | 5 44 | 1 43 | 10 18 | 0s 0 | 21 30 | 1 12 | 2 34 | 1 4 | 6 5 | 2 14 | 23 26 | 0 8 | 18 18 | 1 39 | 15 6 | 12 22 | 14 18 | 14 42 | 0 29 | 3 1 | 4 14 |
| W12 | 3 54 | 21 29 | 5 7 | 4 56 | 1 40 | 10 47 | 0 4 | 21 34 | 1 11 | 2 39 | 1 3 | 6 8 | 2 14 | 23 26 | 0 8 | 18 18 | 1 39 | 15 5 | 12 22 | 14 15 | 14 41 | 0 33 | 3 0 | 4 14 |
| T 13 | 3 31 | 16 26 | 4 49 | 4 8 | 1 38 | 11 15 | 0 7 | 21 38 | 1 10 | 2 44 | 1 3 | 6 10 | 2 14 | 23 26 | 0 8 | 18 18 | 1 38 | 15 4 | 12 22 | 14 13 | 14 40 | 0 36 | 2 59 | 4 14 |
| F 14 | 3 9 | 10 17 | 4 12 | 3 19 | 1 34 | 11 43 | 0 11 | 21 42 | 1 9 | 2 49 | 1 3 | 6 13 | 2 13 | 23 26 | 0 8 | 18 19 | 1 38 | 15 3 | 12 22 | 14 11 | 14 39 | 0 39 | 2 57 | 4 14 |
| S 15 | 2 46 | 3 27 | 3 16 | 2 31 | 1 31 | 12 11 | 0 14 | 21 46 | 1 7 | 2 54 | 1 3 | 6 16 | 2 13 | 23 26 | 0 8 | 18 19 | 1 38 | 15 3 | 12 22 | 14 9 | 14 38 | 0 43 | 2 56 | 4 14 |
| S 16 | 2 23 | 3n34 | 2 6 | 1 43 | 1 26 | 12 39 | 0 18 | 21 49 | 1 6 | 2 59 | 1 3 | 6 18 | 2 13 | 23 26 | 0 8 | 18 19 | 1 38 | 15 2 | 12 22 | 14 8 | 14 37 | 0 46 | 2 55 | 4 14 |
| M17 | 2 0 | 10 20 | 0 48 | 0 55 | 1 22 | 13 6 | 0 22 | 21 53 | 1 5 | 3 4 | 1 3 | 6 21 | 2 13 | 23 26 | 0 8 | 18 19 | 1 38 | 15 1 | 12 23 | 14 7 | 14 36 | 0 49 | 2 54 | 4 14 |
| T 18 | 1 37 | 16 24 | 0n31 | 0 7 | 1 17 | 13 33 | 0 25 | 21 56 | 1 4 | 3 9 | 1 3 | 6 23 | 2 13 | 23 26 | 0 8 | 18 20 | 1 38 | 15 0 | 12 23 | 14 7 | 14 35 | 0 52 | 2 53 | 4 14 |
| W19 | 1 14 | 21 23 | 1 47 | 0s41 | 1 12 | 14 0 | 0 29 | 22 0 | 1 2 | 3 14 | 1 3 | 6 26 | 2 13 | 23 26 | 0 8 | 18 20 | 1 38 | 15 0 | 12 23 | 14 7 | 14 34 | 0 56 | 2 52 | 4 13 |
| T 20 | 0 51 | 25 0 | 2 54 | 1 29 | 1 6 | 14 26 | 0 33 | 22 3 | 1 1 | 3 19 | 1 3 | 6 29 | 2 13 | 23 26 | 0 8 | 18 20 | 1 38 | 14 59 | 12 23 | 14 8 | 14 33 | 0 59 | 2 50 | 4 13 |
| F 21 | 0 28 | 27 4 | 3 50 | 2 16 | 1 0 | 14 52 | 0 37 | 22 6 | 1 0 | 3 24 | 1 3 | 6 31 | 2 13 | 23 26 | 0 8 | 18 21 | 1 38 | 14 58 | 12 23 | 14 8 | 14 32 | 1 2 | 2 49 | 4 13 |
| S 22 | 0 5 | 27 33 | 4 31 | 3 3 | 0 54 | 15 18 | 0 40 | 22 9 | 0 58 | 3 29 | 1 3 | 6 34 | 2 13 | 23 26 | 0 8 | 18 21 | 1 38 | 14 58 | 12 23 | 14 8 | 14 31 | 1 6 | 2 48 | 4 13 |
| S 23 | 0s18 | 26 31 | 4 58 | 3 49 | 0 48 | 15 44 | 0 44 | 22 12 | 0 57 | 3 34 | 1 3 | 6 37 | 2 13 | 23 26 | 0 8 | 18 21 | 1 38 | 14 57 | 12 23 | 14 7 | 14 30 | 1 9 | 2 47 | 4 13 |
| M24 | 0 41 | 24 10 | 5 10 | 4 35 | 0 41 | 16 9 | 0 48 | 22 15 | 0 56 | 3 39 | 1 3 | 6 39 | 2 13 | 23 26 | 0 8 | 18 22 | 1 38 | 14 56 | 12 23 | 14 6 | 14 29 | 1 12 | 2 46 | 4 13 |
| T 25 | 1 4 | 20 45 | 5 8 | 5 20 | 0 34 | 16 34 | 0 52 | 22 18 | 0 54 | 3 44 | 1 3 | 6 42 | 2 13 | 23 26 | 0 8 | 18 22 | 1 38 | 14 56 | 12 23 | 14 5 | 14 28 | 1 16 | 2 44 | 4 13 |
| W26 | 1 27 | 16 30 | 4 51 | 6 5 | 0 28 | 16 58 | 0 56 | 22 20 | 0 53 | 3 49 | 1 3 | 6 45 | 2 13 | 23 26 | 0 8 | 18 22 | 1 38 | 14 55 | 12 24 | 14 3 | 14 27 | 1 19 | 2 43 | 4 13 |
| T 27 | 1 50 | 11 39 | 4 22 | 6 49 | 0 21 | 17 22 | 1 0 | 22 23 | 0 51 | 3 54 | 1 3 | 6 47 | 2 13 | 23 26 | 0 8 | 18 23 | 1 38 | 14 54 | 12 24 | 14 1 | 14 26 | 1 22 | 2 42 | 4 13 |
| F 28 | 2 13 | 6 25 | 3 42 | 7 33 | 0 13 | 17 46 | 1 4 | 22 25 | 0 50 | 3 59 | 1 3 | 6 50 | 2 13 | 23 26 | 0 8 | 18 23 | 1 38 | 14 54 | 12 24 | 13 59 | 14 25 | 1 26 | 2 41 | 4 13 |
| S 29 | 2 36 | 0 58 | 2 52 | 8 16 | 0 6 | 18 9 | 1 8 | 22 27 | 0 48 | 4 4 | 1 3 | 6 53 | 2 12 | 23 26 | 0 8 | 18 23 | 1 38 | 14 53 | 12 24 | 13 57 | 14 24 | 1 29 | 2 40 | 4 12 |
| S 30 | 2s59 | 4s30 | 1n55 | 8s58 | 0s 1 | 18s32 | 1s11 | 22n30 | 0s47 | 4s 9 | 1n 3 | 6s55 | 2n12 | 23n26 | 0n 8 | 18s24 | 1n38 | 14n52 | 12n24 | 13n56 | 14n23 | 1s32 | 2n38 | 4n12 |

Julian Day Number = 2799864.5, Delta T = 49m58s
Ecliptic obliquity = 23°19'04, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'21, Lahiri = 37°12'22


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# ASTRODIENST EPHEMERIS for the year 2953
# geocentric

## OCTOBER 2953 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 0 41 8 | 8♎31'56 | 27♎48 | 24♎44 | 20♏11 | 27♊ 3 | 13♎15 | 23♎20 | 1♋35 | 29♏45 | 21♍12 | 7°R27 | 8♉49 | 9♎52 | 26°R52 | M 1 |
| T 2 | 0 45 4 | 9°30'27 | 9♏39 | 26°18 | 21°21 | 27°29 | 13°28 | 23°27 | 1°35 | 29°46 | 21°14 | 7°D27 | 8°46 | 9°59 | 26♓49 | T 2 |
| W 3 | 0 49 1 | 10°28'59 | 21°34 | 27°51 | 22°30 | 27°55 | 13°41 | 23°35 | 1°36 | 29°48 | 21°16 | 7♉28 | 8°42 | 10° 5 | 26°46 | W 3 |
| T 4 | 0 52 57 | 11°27'34 | 3♐38 | 29°23 | 23°39 | 28°20 | 13°54 | 23°42 | 1°36 | 29°49 | 21°18 | 7°29 | 8°39 | 10°12 | 26°43 | T 4 |
| F 5 | 0 56 54 | 12°26'10 | 15°54 | 0♏54 | 24°48 | 28°45 | 14° 7 | 23°49 | 1°36 | 29°51 | 21°20 | 7°31 | 8°36 | 10°19 | 26°41 | F 5 |
| S 6 | 1 0 51 | 13°24'48 | 28°26 | 2°24 | 25°57 | 29°10 | 14°20 | 23°57 | 1°36 | 29°53 | 21°22 | 7°32 | 8°33 | 10°25 | 26°38 | S 6 |
| S 7 | 1 4 47 | 14°23'27 | 11♑18 | 3°52 | 27° 5 | 29°34 | 14°32 | 24° 4 | 1°R36 | 29°54 | 21°24 | 7°R33 | 8°30 | 10°32 | 26°35 | S 7 |
| M 8 | 1 8 44 | 15°22'08 | 24°34 | 5°20 | 28°14 | 29°57 | 14°45 | 24°11 | 1°36 | 29°56 | 21°25 | 7°33 | 8°26 | 10°39 | 26°33 | M 8 |
| T 9 | 1 12 40 | 16°20'51 | 8♒15 | 6°47 | 29°22 | 0♋20 | 14°58 | 24°19 | 1°36 | 29°58 | 21°27 | 7°31 | 8°23 | 10°45 | 26°30 | T 9 |
| W10 | 1 16 37 | 17°19'35 | 22°24 | 8°13 | 0♐31 | 0°43 | 15°11 | 24°26 | 1°36 | 29°59 | 21°29 | 7°29 | 8°20 | 10°52 | 26°27 | W10 |
| T 11 | 1 20 33 | 18°18'21 | 6♓59 | 9°37 | 1°39 | 1° 5 | 15°24 | 24°33 | 1°35 | 0♐ 1 | 21°31 | 7°27 | 8°17 | 10°58 | 26°25 | T 11 |
| F 12 | 1 24 30 | 19°17'08 | 21°54 | 11° 1 | 2°47 | 1°27 | 15°37 | 24°41 | 1°35 | 0° 3 | 21°33 | 7°24 | 8°14 | 11° 5 | 26°22 | F 12 |
| S 13 | 1 28 26 | 20°15'57 | 7♈ 3 | 12°23 | 3°55 | 1°48 | 15°50 | 24°48 | 1°35 | 0° 5 | 21°35 | 7°23 | 8°11 | 11°12 | 26°20 | S 13 |
| S 14 | 1 32 23 | 21°14'49 | 22°16 | 13°44 | 5° 3 | 2° 8 | 16° 3 | 24°56 | 1°34 | 0° 7 | 21°37 | 7°21 | 8° 7 | 11°18 | 26°17 | S 14 |
| M15 | 1 36 20 | 22°13'42 | 7♉25 | 15° 4 | 6°11 | 2°28 | 16°16 | 25° 3 | 1°34 | 0° 9 | 21°38 | 7°D21 | 8° 4 | 11°25 | 26°15 | M15 |
| T 16 | 1 40 16 | 23°12'37 | 22°18 | 16°23 | 7°19 | 2°48 | 16°29 | 25°10 | 1°34 | 0°10 | 21°40 | 7°21 | 8° 1 | 11°32 | 26°12 | T 16 |
| W17 | 1 44 13 | 24°11'34 | 6♊51 | 17°40 | 8°26 | 3° 7 | 16°42 | 25°18 | 1°33 | 0°12 | 21°42 | 7°22 | 7°58 | 11°38 | 26°10 | W17 |
| T 18 | 1 48 9 | 25°10'34 | 20°58 | 18°57 | 9°34 | 3°25 | 16°55 | 25°25 | 1°33 | 0°14 | 21°44 | 7°23 | 7°55 | 11°45 | 26° 8 | T 18 |
| F 19 | 1 52 6 | 26° 9'36 | 4♋38 | 20°11 | 10°41 | 3°43 | 17° 8 | 25°33 | 1°32 | 0°16 | 21°46 | 7°24 | 7°52 | 11°52 | 26° 5 | F 19 |
| S 20 | 1 56 2 | 27° 8'40 | 17°52 | 21°24 | 11°48 | 4° 0 | 17°21 | 25°40 | 1°31 | 0°18 | 21°47 | 7°25 | 7°48 | 11°58 | 26° 3 | S 20 |
| S 21 | 1 59 59 | 28° 7'47 | 0♌42 | 22°36 | 12°55 | 4°17 | 17°33 | 25°47 | 1°31 | 0°20 | 21°49 | 7°R25 | 7°45 | 12° 5 | 26° 1 | S 21 |
| M22 | 2 3 55 | 29° 6'55 | 13°12 | 23°45 | 14° 2 | 4°33 | 17°46 | 25°55 | 1°30 | 0°22 | 21°51 | 7°24 | 7°42 | 12°12 | 25°58 | M22 |
| T 23 | 2 7 52 | 0♏ 6'06 | 25°26 | 24°53 | 15° 9 | 4°48 | 17°59 | 26° 2 | 1°29 | 0°24 | 21°53 | 7°24 | 7°39 | 12°18 | 25°56 | T 23 |
| W24 | 2 11 49 | 1° 5'19 | 7♍28 | 25°59 | 16°15 | 5° 3 | 18°12 | 26°10 | 1°28 | 0°26 | 21°54 | 7°23 | 7°36 | 12°25 | 25°54 | W24 |
| T 25 | 2 15 45 | 2° 4'34 | 19°22 | 27° 3 | 17°22 | 5°17 | 18°25 | 26°17 | 1°27 | 0°28 | 21°56 | 7°22 | 7°32 | 12°32 | 25°52 | T 25 |
| F 26 | 2 19 42 | 3° 3'51 | 1♎12 | 28° 4 | 18°28 | 5°30 | 18°38 | 26°24 | 1°26 | 0°30 | 21°58 | 7°22 | 7°29 | 12°38 | 25°50 | F 26 |
| S 27 | 2 23 38 | 4° 3'11 | 13° 0 | 29° 2 | 19°34 | 5°43 | 18°50 | 26°32 | 1°25 | 0°32 | 21°59 | 7°21 | 7°26 | 12°45 | 25°48 | S 27 |
| S 28 | 2 27 35 | 5° 2'32 | 24°49 | 29°58 | 20°40 | 5°55 | 19° 3 | 26°39 | 1°24 | 0°34 | 22° 1 | 7°21 | 7°23 | 12°52 | 25°46 | S 28 |
| M29 | 2 31 31 | 6° 1'56 | 6♏41 | 0♐50 | 21°46 | 6° 6 | 19°16 | 26°47 | 1°23 | 0°36 | 22° 2 | 7°D21 | 7°20 | 12°58 | 25°44 | M29 |
| T 30 | 2 35 28 | 7° 1'22 | 18°39 | 1°40 | 22°52 | 6°16 | 19°28 | 26°54 | 1°22 | 0°38 | 22° 4 | 7°R21 | 7°17 | 13° 5 | 25°42 | T 30 |
| W31 | 2 39 24 | 8♏ 0'49 | 0♐45 | 2♐25 | 23♐57 | 6♋26 | 19♎41 | 27♎ 1 | 1♋21 | 0♐40 | 22♍ 5 | 7♉21 | 7♉13 | 13♎12 | 25♓40 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 3s22 | 9s49 | 0n53 | 9s40 | 0s 9 | 18s55 | 1s15 | 22n32 | 0s45 | 4s14 | 1n 3 | 6s58 | 2n12 | 23n26 | 0n 8 | 18s24 | 1n38 | 14n52 | 12n24 | 13n56 | 14n22 | 1s35 | 2n37 | 4n12 |
| T 2 | 3 45 | 14 49 | 0s12 | 10 21 | 0 16 | 19 17 | 1 19 | 22 34 | 0 44 | 4 19 | 1 3 | 7 1 | 2 12 | 23 26 | 0 8 | 18 25 | 1 38 | 14 51 | 12 25 | 13 56 | 14 21 | 1 39 | 2 36 | 4 12 |
| W 3 | 4 8 | 19 18 | 1 17 | 11 2 | 0 24 | 19 38 | 1 23 | 22 36 | 0 42 | 4 24 | 1 3 | 7 3 | 2 12 | 23 26 | 0 8 | 18 25 | 1 38 | 14 50 | 12 25 | 13 56 | 14 20 | 1 42 | 2 35 | 4 12 |
| T 4 | 4 31 | 23 3 | 2 19 | 11 41 | 0 31 | 20 0 | 1 27 | 22 38 | 0 40 | 4 29 | 1 3 | 7 6 | 2 12 | 23 26 | 0 8 | 18 25 | 1 38 | 14 50 | 12 25 | 13 56 | 14 19 | 1 45 | 2 34 | 4 12 |
| F 5 | 4 53 | 25 50 | 3 16 | 12 20 | 0 39 | 20 20 | 1 31 | 22 40 | 0 39 | 4 34 | 1 3 | 7 9 | 2 12 | 23 26 | 0 8 | 18 26 | 1 37 | 14 49 | 12 25 | 13 57 | 14 18 | 1 49 | 2 32 | 4 12 |
| S 6 | 5 16 | 27 24 | 4 5 | 12 58 | 0 47 | 20 41 | 1 35 | 22 42 | 0 37 | 4 39 | 1 3 | 7 12 | 2 12 | 23 26 | 0 8 | 18 26 | 1 37 | 14 49 | 12 25 | 13 57 | 14 17 | 1 52 | 2 31 | 4 12 |
| S 7 | 5 39 | 27 33 | 4 43 | 13 36 | 0 54 | 21 1 | 1 39 | 22 44 | 0 35 | 4 44 | 1 3 | 7 14 | 2 12 | 23 26 | 0 8 | 18 26 | 1 37 | 14 48 | 12 26 | 13 58 | 14 16 | 1 55 | 2 30 | 4 11 |
| M 8 | 6 1 | 26 9 | 5 8 | 14 12 | 1 2 | 21 20 | 1 42 | 22 46 | 0 33 | 4 49 | 1 3 | 7 17 | 2 12 | 23 26 | 0 8 | 18 27 | 1 37 | 14 48 | 12 26 | 13 57 | 14 15 | 1 59 | 2 29 | 4 11 |
| T 9 | 6 24 | 23 11 | 5 15 | 14 48 | 1 9 | 21 39 | 1 46 | 22 47 | 0 32 | 4 54 | 1 3 | 7 20 | 2 12 | 23 26 | 0 8 | 18 27 | 1 37 | 14 47 | 12 26 | 13 57 | 14 14 | 2 2 | 2 28 | 4 11 |
| W10 | 6 46 | 18 47 | 5 5 | 15 23 | 1 17 | 21 57 | 1 50 | 22 49 | 0 30 | 4 59 | 1 3 | 7 22 | 2 12 | 23 27 | 0 8 | 18 28 | 1 37 | 14 46 | 12 26 | 13 56 | 14 13 | 2 5 | 2 26 | 4 11 |
| T 11 | 7 9 | 13 10 | 4 35 | 15 57 | 1 24 | 22 15 | 1 54 | 22 51 | 0 28 | 5 4 | 1 3 | 7 25 | 2 12 | 23 27 | 0 8 | 18 28 | 1 37 | 14 46 | 12 26 | 13 56 | 14 12 | 2 9 | 2 25 | 4 11 |
| F 12 | 7 31 | 6 39 | 3 46 | 16 30 | 1 31 | 22 32 | 1 58 | 22 53 | 0 26 | 5 9 | 1 3 | 7 28 | 2 12 | 23 27 | 0 8 | 18 28 | 1 37 | 14 45 | 12 27 | 13 55 | 14 11 | 2 12 | 2 24 | 4 11 |
| S 13 | 7 53 | 0n20 | 2 40 | 17 2 | 1 39 | 22 49 | 2 1 | 22 54 | 0 24 | 5 14 | 1 3 | 7 30 | 2 12 | 23 27 | 0 8 | 18 29 | 1 37 | 14 45 | 12 27 | 13 54 | 14 10 | 2 15 | 2 23 | 4 10 |
| S 14 | 8 15 | 7 21 | 1 23 | 17 34 | 1 46 | 23 5 | 2 5 | 22 56 | 0 22 | 5 19 | 1 3 | 7 33 | 2 12 | 23 27 | 0 8 | 18 29 | 1 37 | 14 44 | 12 27 | 13 54 | 14 9 | 2 19 | 2 22 | 4 10 |
| M15 | 8 37 | 13 55 | 0n 0 | 18 4 | 1 53 | 23 20 | 2 9 | 22 58 | 0 20 | 5 23 | 1 3 | 7 36 | 2 12 | 23 27 | 0 8 | 18 30 | 1 37 | 14 44 | 12 27 | 13 54 | 14 8 | 2 22 | 2 21 | 4 10 |
| T 16 | 8 58 | 19 34 | 1 22 | 18 34 | 2 0 | 23 36 | 2 12 | 22 59 | 0 18 | 5 28 | 1 3 | 7 38 | 2 12 | 23 27 | 0 8 | 18 30 | 1 37 | 14 43 | 12 28 | 13 54 | 14 7 | 2 25 | 2 19 | 4 10 |
| W17 | 9 20 | 23 55 | 2 36 | 19 2 | 2 6 | 23 50 | 2 16 | 23 1 | 0 16 | 5 33 | 1 3 | 7 41 | 2 12 | 23 27 | 0 8 | 18 31 | 1 37 | 14 43 | 12 28 | 13 54 | 14 6 | 2 28 | 2 18 | 4 10 |
| T 18 | 9 42 | 26 39 | 3 39 | 19 30 | 2 13 | 24 4 | 2 19 | 23 2 | 0 14 | 5 38 | 1 3 | 7 44 | 2 12 | 23 27 | 0 8 | 18 31 | 1 37 | 14 42 | 12 28 | 13 54 | 14 5 | 2 32 | 2 17 | 4 9 |
| F 19 | 10 3 | 27 41 | 4 27 | 19 56 | 2 19 | 24 17 | 2 23 | 23 4 | 0 12 | 5 43 | 1 3 | 7 46 | 2 12 | 23 27 | 0 8 | 18 31 | 1 37 | 14 42 | 12 28 | 13 55 | 14 4 | 2 35 | 2 16 | 4 9 |
| S 20 | 10 24 | 27 4 | 4 59 | 20 21 | 2 25 | 24 30 | 2 26 | 23 6 | 0 10 | 5 48 | 1 3 | 7 49 | 2 12 | 23 27 | 0 8 | 18 32 | 1 37 | 14 42 | 12 29 | 13 55 | 14 3 | 2 38 | 2 15 | 4 9 |
| S 21 | 10 45 | 25 1 | 5 15 | 20 46 | 2 31 | 24 42 | 2 29 | 23 7 | 0 7 | 5 53 | 1 3 | 7 52 | 2 12 | 23 27 | 0 8 | 18 32 | 1 37 | 14 41 | 12 29 | 13 55 | 14 2 | 2 42 | 2 14 | 4 9 |
| M22 | 11 6 | 21 49 | 5 16 | 21 9 | 2 37 | 24 54 | 2 33 | 23 9 | 0 5 | 5 58 | 1 4 | 7 54 | 2 12 | 23 27 | 0 8 | 18 33 | 1 37 | 14 41 | 12 29 | 13 55 | 14 0 | 2 45 | 2 13 | 4 9 |
| T 23 | 11 27 | 17 43 | 5 2 | 21 31 | 2 42 | 25 5 | 2 36 | 23 11 | 0 3 | 6 2 | 1 4 | 7 57 | 2 12 | 23 27 | 0 8 | 18 33 | 1 37 | 14 40 | 12 30 | 13 55 | 13 59 | 2 48 | 2 12 | 4 8 |
| W24 | 11 48 | 12 58 | 4 35 | 21 51 | 2 47 | 25 15 | 2 39 | 23 13 | 0 1 | 6 7 | 1 4 | 8 0 | 2 12 | 23 27 | 0 8 | 18 34 | 1 37 | 14 40 | 12 30 | 13 54 | 13 58 | 2 52 | 2 11 | 4 8 |
| T 25 | 12 8 | 7 49 | 3 56 | 22 11 | 2 52 | 25 25 | 2 42 | 23 14 | 0n 2 | 6 12 | 1 4 | 8 2 | 2 12 | 23 27 | 0 8 | 18 34 | 1 37 | 14 40 | 12 30 | 13 54 | 13 57 | 2 55 | 2 10 | 4 8 |
| F 26 | 12 28 | 2 24 | 3 8 | 22 29 | 2 56 | 25 34 | 2 45 | 23 16 | 0 4 | 6 17 | 1 4 | 8 5 | 2 12 | 23 27 | 0 8 | 18 34 | 1 37 | 14 39 | 12 31 | 13 54 | 13 56 | 2 58 | 2 9 | 4 8 |
| S 27 | 12 48 | 3s 5 | 2 11 | 22 46 | 3 0 | 25 42 | 2 48 | 23 18 | 0 6 | 6 22 | 1 4 | 8 7 | 2 12 | 23 27 | 0 8 | 18 35 | 1 37 | 14 39 | 12 31 | 13 54 | 13 55 | 3 2 | 2 8 | 4 8 |
| S 28 | 13 8 | 8 29 | 1 9 | 23 1 | 3 3 | 25 50 | 2 51 | 23 20 | 0 9 | 6 26 | 1 4 | 8 10 | 2 12 | 23 27 | 0 8 | 18 35 | 1 37 | 14 38 | 12 31 | 13 54 | 13 54 | 3 5 | 2 7 | 4 7 |
| M29 | 13 28 | 13 37 | 0 4 | 23 15 | 3 6 | 25 58 | 2 54 | 23 22 | 0 11 | 6 31 | 1 4 | 8 13 | 2 12 | 23 27 | 0 8 | 18 36 | 1 37 | 14 38 | 12 31 | 13 54 | 13 53 | 3 8 | 2 6 | 4 7 |
| T 30 | 13 47 | 18 17 | 1s 2 | 23 27 | 3 8 | 26 4 | 2 57 | 23 24 | 0 14 | 6 36 | 1 4 | 8 15 | 2 12 | 23 27 | 0 8 | 18 36 | 1 37 | 14 38 | 12 32 | 13 54 | 13 52 | 3 12 | 2 5 | 4 7 |
| W31 | 14s 7 | 22s16 | 2s 6 | 23s38 | 3s10 | 26s10 | 2s59 | 23n26 | 0n16 | 6s40 | 1n 4 | 8s18 | 2n13 | 23n27 | 0n 8 | 18s37 | 1n37 | 14n37 | 12n32 | 13n54 | 13n51 | 3s15 | 2n 4 | 4n 7 |

Julian Day Number = 2799894.5, Delta T = 49m58s
Ecliptic obliquity = 23°19'04, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'26, Lahiri = 37°12'26


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# ASTRODIENST EPHEMERIS for the year 2953
# geocentric

## NOVEMBER 2953 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 43 21 | 9♏ 0'19 | 13♐ 0 | 3♐ 6 | 25♐ 2 | 6♋35 | 19♎54 | 27♎ 9 | 1°R20 | 0♐42 | 22♍ 7 | 7°R21 | 7♉10 | 13♎18 | 25°R38 | T 1 |
| F 2 | 2 47 17 | 9°59'50 | 25°26 | 3°43 | 26° 7 | 6°43 | 20° 6 | 27°16 | 1♋18 | 0°45 | 22° 8 | 7♉20 | 7° 7 | 13°25 | 25♓36 | F 2 |
| S 3 | 2 51 14 | 10°59'24 | 8♑ 7 | 4°14 | 27°12 | 6°51 | 20°19 | 27°23 | 1°17 | 0°47 | 22°10 | 7°20 | 7° 4 | 13°32 | 25°34 | S 3 |
| S 4 | 2 55 11 | 11°58'58 | 21° 3 | 4°40 | 28°17 | 6°57 | 20°31 | 27°30 | 1°16 | 0°49 | 22°11 | 7°20 | 7° 1 | 13°38 | 25°33 | S 4 |
| M 5 | 2 59 7 | 12°58'35 | 4♒18 | 5° 0 | 29°21 | 7° 3 | 20°44 | 27°38 | 1°14 | 0°51 | 22°13 | 7°19 | 6°57 | 13°45 | 25°31 | M 5 |
| T 6 | 3 3 4 | 13°58'13 | 17°53 | 5°13 | 0♑25 | 7° 8 | 20°56 | 27°45 | 1°13 | 0°53 | 22°14 | 7°D19 | 6°54 | 13°52 | 25°29 | T 6 |
| W 7 | 3 7 0 | 14°57'53 | 1♓49 | 5°R19 | 1°29 | 7°12 | 21° 9 | 27°52 | 1°11 | 0°55 | 22°16 | 7°20 | 6°51 | 13°58 | 25°28 | W 7 |
| T 8 | 3 10 57 | 15°57'34 | 16° 6 | 5°17 | 2°33 | 7°16 | 21°21 | 27°59 | 1°10 | 0°58 | 22°17 | 7°20 | 6°48 | 14° 5 | 25°26 | T 8 |
| F 9 | 3 14 53 | 16°57'17 | 0♈41 | 5° 7 | 3°36 | 7°18 | 21°33 | 28° 6 | 1° 8 | 1° 0 | 22°18 | 7°21 | 6°45 | 14°12 | 25°25 | F 9 |
| S 10 | 3 18 50 | 17°57'02 | 15°31 | 4°48 | 4°39 | 7°20 | 21°46 | 28°14 | 1° 7 | 1° 2 | 22°20 | 7°22 | 6°42 | 14°18 | 25°23 | S 10 |
| S 11 | 3 22 46 | 18°56'49 | 0♉29 | 4°20 | 5°42 | 7°21 | 21°58 | 28°21 | 1° 5 | 1° 4 | 22°21 | 7°R22 | 6°38 | 14°25 | 25°22 | S 11 |
| M12 | 3 26 43 | 19°56'37 | 15°28 | 3°43 | 6°44 | 7°R21 | 22°10 | 28°28 | 1° 3 | 1° 6 | 22°22 | 7°22 | 6°35 | 14°32 | 25°21 | M12 |
| T 13 | 3 30 40 | 20°56'27 | 0♊18 | 2°57 | 7°47 | 7°20 | 22°22 | 28°35 | 1° 1 | 1° 9 | 22°24 | 7°21 | 6°32 | 14°38 | 25°19 | T 13 |
| W14 | 3 34 36 | 21°56'19 | 14°53 | 2° 2 | 8°49 | 7°18 | 22°34 | 28°42 | 1° 0 | 1°11 | 22°25 | 7°20 | 6°29 | 14°45 | 25°18 | W14 |
| T 15 | 3 38 33 | 22°56'14 | 29° 6 | 0°59 | 9°50 | 7°16 | 22°46 | 28°49 | 0°58 | 1°13 | 22°26 | 7°18 | 6°26 | 14°52 | 25°17 | T 15 |
| F 16 | 3 42 29 | 23°56'10 | 12♋54 | 29♏49 | 10°51 | 7°12 | 22°58 | 28°56 | 0°56 | 1°15 | 22°27 | 7°16 | 6°23 | 14°58 | 25°16 | F 16 |
| S 17 | 3 46 26 | 24°56'08 | 26°15 | 28°34 | 11°52 | 7° 8 | 23°10 | 29° 3 | 0°54 | 1°17 | 22°28 | 7°14 | 6°19 | 15° 5 | 25°15 | S 17 |
| S 18 | 3 50 22 | 25°56'08 | 9♌11 | 27°17 | 12°53 | 7° 3 | 23°22 | 29°10 | 0°52 | 1°20 | 22°29 | 7°12 | 6°16 | 15°11 | 25°14 | S 18 |
| M19 | 3 54 19 | 26°56'11 | 21°44 | 25°58 | 13°53 | 6°57 | 23°34 | 29°17 | 0°50 | 1°22 | 22°31 | 7°D11 | 6°13 | 15°18 | 25°13 | M19 |
| T 20 | 3 58 16 | 27°56'15 | 3♍59 | 24°42 | 14°53 | 6°50 | 23°46 | 29°23 | 0°48 | 1°24 | 22°32 | 7°11 | 6°10 | 15°25 | 25°12 | T 20 |
| W21 | 4 2 12 | 28°56'22 | 16° 0 | 23°29 | 15°52 | 6°42 | 23°58 | 29°30 | 0°46 | 1°26 | 22°33 | 7°12 | 6° 7 | 15°31 | 25°11 | W21 |
| T 22 | 4 6 9 | 29°56'30 | 27°52 | 22°24 | 16°51 | 6°33 | 24° 9 | 29°37 | 0°44 | 1°29 | 22°34 | 7°14 | 6° 3 | 15°38 | 25°10 | T 22 |
| F 23 | 4 10 5 | 0♐56'41 | 9♎40 | 21°26 | 17°50 | 6°23 | 24°21 | 29°44 | 0°42 | 1°31 | 22°35 | 7°15 | 6° 0 | 15°45 | 25° 9 | F 23 |
| S 24 | 4 14 2 | 1°56'53 | 21°28 | 20°39 | 18°48 | 6°12 | 24°32 | 29°50 | 0°40 | 1°33 | 22°36 | 7°17 | 5°57 | 15°51 | 25° 9 | S 24 |
| S 25 | 4 17 58 | 2°57'07 | 3♏20 | 20° 3 | 19°46 | 6° 1 | 24°44 | 29°57 | 0°38 | 1°35 | 22°36 | 7°R18 | 5°54 | 15°58 | 25° 8 | S 25 |
| M26 | 4 21 55 | 3°57'23 | 15°19 | 19°38 | 20°43 | 5°49 | 24°55 | 0♏ 4 | 0°36 | 1°38 | 22°37 | 7°18 | 5°51 | 16° 5 | 25° 8 | M26 |
| T 27 | 4 25 51 | 4°57'41 | 27°28 | 19°25 | 21°40 | 5°35 | 25° 7 | 0°10 | 0°33 | 1°40 | 22°38 | 7°16 | 5°48 | 16°11 | 25° 7 | T 27 |
| W28 | 4 29 48 | 5°58'01 | 9♐48 | 19°D23 | 22°36 | 5°22 | 25°18 | 0°17 | 0°31 | 1°42 | 22°39 | 7°13 | 5°44 | 16°18 | 25° 7 | W28 |
| T 29 | 4 33 45 | 6°58'23 | 22°21 | 19°32 | 23°32 | 5° 7 | 25°29 | 0°23 | 0°29 | 1°44 | 22°40 | 7° 9 | 5°41 | 16°25 | 25° 6 | T 29 |
| F 30 | 4 37 41 | 7♐58'45 | 5♑ 6 | 19♏52 | 24♑27 | 4♋51 | 25♎40 | 0♏30 | 0♋27 | 1♐47 | 22♍41 | 7♉ 3 | 5♉38 | 16♎31 | 25♓ 6 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s26 | 25s19 | 3s 5 | 23s47 | 3s11 | 26s15 | 3s 2 | 23n28 | 0n19 | 6s45 | 1n 4 | 8s20 | 2n13 | 23n27 | 0n 8 | 18s37 | 1n37 | 14n37 | 12n32 | 13n54 | 13n50 | 3s18 | 2n 3 | 4n 6 |
| F 2 | 14 44 | 27 11 | 3 57 | 23 54 | 3 11 | 26 20 | 3 5 | 23 30 | 0 22 | 6 50 | 1 4 | 8 23 | 2 13 | 23 27 | 0 8 | 18 38 | 1 37 | 14 37 | 12 33 | 13 54 | 13 49 | 3 21 | 2 2 | 4 6 |
| S 3 | 15 3 | 27 41 | 4 37 | 24 0 | 3 10 | 26 24 | 3 7 | 23 33 | 0 24 | 6 54 | 1 4 | 8 25 | 2 13 | 23 27 | 0 8 | 18 38 | 1 37 | 14 37 | 12 33 | 13 53 | 13 48 | 3 25 | 2 1 | 4 6 |
| S 4 | 15 21 | 26 42 | 5 5 | 24 3 | 3 8 | 26 28 | 3 9 | 23 35 | 0 27 | 6 59 | 1 4 | 8 28 | 2 13 | 23 27 | 0 8 | 18 38 | 1 37 | 14 36 | 12 33 | 13 53 | 13 47 | 3 28 | 2 0 | 4 6 |
| M 5 | 15 39 | 24 13 | 5 17 | 24 4 | 3 6 | 26 30 | 3 11 | 23 37 | 0 30 | 7 4 | 1 4 | 8 30 | 2 13 | 23 27 | 0 8 | 18 39 | 1 37 | 14 36 | 12 34 | 13 53 | 13 46 | 3 31 | 1 59 | 4 5 |
| T 6 | 15 57 | 20 21 | 5 12 | 24 3 | 3 2 | 26 32 | 3 13 | 23 40 | 0 32 | 7 8 | 1 4 | 8 33 | 2 13 | 23 27 | 0 8 | 18 39 | 1 37 | 14 36 | 12 34 | 13 53 | 13 45 | 3 35 | 1 58 | 4 5 |
| W 7 | 16 15 | 15 16 | 4 49 | 23 59 | 2 57 | 26 34 | 3 15 | 23 42 | 0 35 | 7 13 | 1 4 | 8 35 | 2 13 | 23 27 | 0 8 | 18 40 | 1 37 | 14 36 | 12 35 | 13 53 | 13 44 | 3 38 | 1 57 | 4 5 |
| T 8 | 16 32 | 9 16 | 4 8 | 23 52 | 2 51 | 26 35 | 3 17 | 23 45 | 0 38 | 7 17 | 1 5 | 8 38 | 2 13 | 23 27 | 0 8 | 18 40 | 1 37 | 14 35 | 12 35 | 13 53 | 13 43 | 3 41 | 1 56 | 4 5 |
| F 9 | 16 49 | 2 38 | 3 10 | 23 43 | 2 43 | 26 35 | 3 19 | 23 48 | 0 41 | 7 22 | 1 5 | 8 40 | 2 13 | 23 27 | 0 8 | 18 41 | 1 36 | 14 35 | 12 35 | 13 54 | 13 42 | 3 45 | 1 56 | 4 4 |
| S 10 | 17 6 | 4n15 | 1 58 | 23 30 | 2 33 | 26 35 | 3 21 | 23 51 | 0 44 | 7 26 | 1 5 | 8 43 | 2 13 | 23 27 | 0 9 | 18 41 | 1 36 | 14 35 | 12 36 | 13 54 | 13 41 | 3 48 | 1 55 | 4 4 |
| S 11 | 17 22 | 10 59 | 0 38 | 23 14 | 2 22 | 26 34 | 3 22 | 23 54 | 0 47 | 7 31 | 1 5 | 8 45 | 2 13 | 23 27 | 0 9 | 18 42 | 1 36 | 14 35 | 12 36 | 13 54 | 13 40 | 3 51 | 1 54 | 4 4 |
| M12 | 17 38 | 17 6 | 0n45 | 22 55 | 2 10 | 26 32 | 3 24 | 23 57 | 0 50 | 7 35 | 1 5 | 8 48 | 2 13 | 23 27 | 0 9 | 18 42 | 1 36 | 14 35 | 12 36 | 13 54 | 13 39 | 3 55 | 1 53 | 4 3 |
| T 13 | 17 54 | 22 8 | 2 4 | 22 32 | 1 55 | 26 30 | 3 25 | 24 0 | 0 53 | 7 40 | 1 5 | 8 50 | 2 13 | 23 27 | 0 9 | 18 43 | 1 36 | 14 35 | 12 37 | 13 54 | 13 38 | 3 58 | 1 52 | 4 3 |
| W14 | 18 10 | 25 40 | 3 13 | 22 5 | 1 39 | 26 27 | 3 26 | 24 3 | 0 56 | 7 44 | 1 5 | 8 52 | 2 14 | 23 27 | 0 9 | 18 43 | 1 36 | 14 34 | 12 37 | 13 53 | 13 37 | 4 1 | 1 52 | 4 3 |
| T 15 | 18 25 | 27 28 | 4 9 | 21 35 | 1 22 | 26 24 | 3 27 | 24 6 | 0 59 | 7 48 | 1 5 | 8 55 | 2 14 | 23 27 | 0 9 | 18 44 | 1 36 | 14 34 | 12 38 | 13 53 | 13 36 | 4 5 | 1 51 | 4 3 |
| F 16 | 18 40 | 27 28 | 4 48 | 21 2 | 1 3 | 26 20 | 3 28 | 24 9 | 1 2 | 7 53 | 1 5 | 8 57 | 2 14 | 23 27 | 0 9 | 18 44 | 1 36 | 14 34 | 12 38 | 13 52 | 13 35 | 4 8 | 1 50 | 4 2 |
| S 17 | 18 54 | 25 52 | 5 10 | 20 27 | 0 43 | 26 15 | 3 29 | 24 13 | 1 5 | 7 57 | 1 5 | 8 59 | 2 14 | 23 27 | 0 9 | 18 44 | 1 36 | 14 34 | 12 38 | 13 51 | 13 34 | 4 11 | 1 50 | 4 2 |
| S 18 | 19 9 | 22 56 | 5 16 | 19 49 | 0 23 | 26 10 | 3 29 | 24 16 | 1 8 | 8 1 | 1 5 | 9 2 | 2 14 | 23 28 | 0 9 | 18 45 | 1 36 | 14 34 | 12 39 | 13 51 | 13 33 | 4 14 | 1 49 | 4 2 |
| M19 | 19 22 | 19 1 | 5 6 | 19 11 | 0 2 | 26 4 | 3 29 | 24 19 | 1 11 | 8 5 | 1 5 | 9 4 | 2 14 | 23 28 | 0 9 | 18 45 | 1 36 | 14 34 | 12 39 | 13 51 | 13 32 | 4 18 | 1 48 | 4 2 |
| T 20 | 19 36 | 14 23 | 4 42 | 18 33 | 0n18 | 25 58 | 3 30 | 24 23 | 1 14 | 8 10 | 1 6 | 9 6 | 2 14 | 23 28 | 0 9 | 18 46 | 1 36 | 14 34 | 12 40 | 13 51 | 13 30 | 4 21 | 1 48 | 4 1 |
| W21 | 19 49 | 9 17 | 4 6 | 17 56 | 0 38 | 25 51 | 3 30 | 24 27 | 1 18 | 8 14 | 1 6 | 9 9 | 2 14 | 23 28 | 0 9 | 18 46 | 1 36 | 14 34 | 12 40 | 13 51 | 13 29 | 4 24 | 1 47 | 4 1 |
| T 22 | 20 2 | 3 55 | 3 21 | 17 22 | 0 57 | 25 44 | 3 30 | 24 30 | 1 21 | 8 18 | 1 6 | 9 11 | 2 14 | 23 28 | 0 9 | 18 47 | 1 36 | 14 34 | 12 40 | 13 51 | 13 28 | 4 28 | 1 47 | 4 1 |
| F 23 | 20 15 | 1s34 | 2 26 | 16 51 | 1 14 | 25 36 | 3 29 | 24 34 | 1 24 | 8 22 | 1 6 | 9 13 | 2 15 | 23 28 | 0 9 | 18 47 | 1 36 | 14 34 | 12 41 | 13 52 | 13 27 | 4 31 | 1 46 | 4 0 |
| S 24 | 20 27 | 7 0 | 1 26 | 16 23 | 1 29 | 25 27 | 3 29 | 24 38 | 1 27 | 8 26 | 1 6 | 9 15 | 2 15 | 23 28 | 0 9 | 18 48 | 1 36 | 14 34 | 12 41 | 13 52 | 13 26 | 4 34 | 1 45 | 4 0 |
| S 25 | 20 39 | 12 13 | 0 22 | 16 1 | 1 43 | 25 18 | 3 28 | 24 41 | 1 31 | 8 30 | 1 6 | 9 18 | 2 15 | 23 28 | 0 9 | 18 48 | 1 36 | 14 34 | 12 42 | 13 53 | 13 25 | 4 38 | 1 45 | 4 0 |
| M26 | 20 50 | 17 3 | 0s44 | 15 43 | 1 54 | 25 9 | 3 28 | 24 45 | 1 34 | 8 34 | 1 6 | 9 20 | 2 15 | 23 28 | 0 9 | 18 48 | 1 36 | 14 34 | 12 42 | 13 53 | 13 24 | 4 41 | 1 44 | 4 0 |
| T 27 | 21 1 | 21 15 | 1 49 | 15 30 | 2 4 | 24 59 | 3 27 | 24 49 | 1 37 | 8 38 | 1 6 | 9 22 | 2 15 | 23 28 | 0 9 | 18 49 | 1 36 | 14 34 | 12 43 | 13 52 | 13 23 | 4 44 | 1 44 | 3 59 |
| W28 | 21 12 | 24 35 | 2 49 | 15 22 | 2 12 | 24 49 | 3 26 | 24 53 | 1 40 | 8 42 | 1 6 | 9 24 | 2 15 | 23 28 | 0 9 | 18 49 | 1 36 | 14 34 | 12 43 | 13 51 | 13 22 | 4 48 | 1 44 | 3 59 |
| T 29 | 21 22 | 26 48 | 3 42 | 15 19 | 2 17 | 24 38 | 3 24 | 24 57 | 1 44 | 8 46 | 1 7 | 9 26 | 2 15 | 23 28 | 0 9 | 18 50 | 1 36 | 14 34 | 12 43 | 13 50 | 13 21 | 4 51 | 1 43 | 3 59 |
| F 30 | 21s32 | 27s38 | 4s25 | 15s21 | 2n21 | 24s27 | 3s23 | 25n 0 | 1n47 | 8s50 | 1n 7 | 9s28 | 2n15 | 23n28 | 0n 9 | 18s50 | 1n36 | 14n34 | 12n44 | 13n48 | 13n20 | 4s54 | 1n43 | 3n58 |

Julian Day Number = 2799925.5, Delta T = 49m59s
Ecliptic obliquity = 23°19'04, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'30, Lahiri = 37°12'30


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# ASTRODIENST EPHEMERIS for the year 2953
# geocentric

## DECEMBER 2953 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 41 38 | 8♐59'10 | 18♑ 5 | 20♏21 | 25♑22 | 4°R35 | 25♎51 | 0♏36 | 0°R24 | 1♐49 | 22♍41 | 6°R58 | 5♉35 | 16♎38 | 25°R 5 | S 1 |
| S 2 | 4 45 34 | 9°59'36 | 1♒17 | 20°59 | 26°16 | 4♋18 | 26° 2 | 0°42 | 0♋22 | 1°51 | 22°42 | 6♉53 | 5°32 | 16°45 | 25♓ 5 | S 2 |
| M 3 | 4 49 31 | 11° 0'03 | 14°41 | 21°44 | 27° 9 | 4° 0 | 26°13 | 0°48 | 0°20 | 1°53 | 22°43 | 6°49 | 5°29 | 16°51 | 25° 5 | M 3 |
| T 4 | 4 53 27 | 12° 0'31 | 28°19 | 22°36 | 28° 2 | 3°42 | 26°24 | 0°55 | 0°17 | 1°56 | 22°44 | 6°46 | 5°25 | 16°58 | 25° 5 | T 4 |
| W 5 | 4 57 24 | 13° 1'01 | 12♓10 | 23°33 | 28°54 | 3°23 | 26°35 | 1° 1 | 0°15 | 1°58 | 22°44 | 6°D46 | 5°22 | 17° 5 | 25°D 5 | W 5 |
| T 6 | 5 1 20 | 14° 1'31 | 26°13 | 24°36 | 29°45 | 3° 4 | 26°46 | 1° 7 | 0°13 | 2° 0 | 22°45 | 6°46 | 5°19 | 17°11 | 25° 5 | T 6 |
| F 7 | 5 5 17 | 15° 2'03 | 10♈28 | 25°44 | 0♒36 | 2°44 | 26°56 | 1°13 | 0°10 | 2° 2 | 22°45 | 6°47 | 5°16 | 17°18 | 25° 5 | F 7 |
| S 8 | 5 9 14 | 16° 2'36 | 24°54 | 26°55 | 1°26 | 2°23 | 27° 7 | 1°19 | 0° 8 | 2° 4 | 22°46 | 6°49 | 5°13 | 17°25 | 25° 5 | S 8 |
| S 9 | 5 13 10 | 17° 3'10 | 9♉26 | 28°10 | 2°15 | 2° 2 | 27°17 | 1°25 | 0° 5 | 2° 7 | 22°46 | 6°R49 | 5° 9 | 17°31 | 25° 5 | S 9 |
| M10 | 5 17 7 | 18° 3'45 | 24° 0 | 29°27 | 3° 3 | 1°41 | 27°27 | 1°31 | 0° 3 | 2° 9 | 22°47 | 6°48 | 5° 6 | 17°38 | 25° 6 | M10 |
| T 11 | 5 21 3 | 19° 4'22 | 8♊31 | 0♐47 | 3°50 | 1°19 | 27°38 | 1°37 | 0° 0 | 2°11 | 22°47 | 6°45 | 5° 3 | 17°45 | 25° 6 | T 11 |
| W12 | 5 25 0 | 20° 5'00 | 22°52 | 2° 9 | 4°37 | 0°57 | 27°48 | 1°42 | 29♊58 | 2°13 | 22°48 | 6°39 | 5° 0 | 17°51 | 25° 6 | W12 |
| T 13 | 5 28 56 | 21° 5'39 | 6♋58 | 3°33 | 5°22 | 0°35 | 27°58 | 1°48 | 29°55 | 2°15 | 22°48 | 6°32 | 4°57 | 17°58 | 25° 7 | T 13 |
| F 14 | 5 32 53 | 22° 6'19 | 20°44 | 4°58 | 6° 7 | 0°12 | 28° 8 | 1°54 | 29°53 | 2°17 | 22°49 | 6°24 | 4°54 | 18° 4 | 25° 7 | F 14 |
| S 15 | 5 36 50 | 23° 7'01 | 4♌ 7 | 6°24 | 6°50 | 29♊50 | 28°18 | 1°59 | 29°50 | 2°20 | 22°49 | 6°17 | 4°50 | 18°11 | 25° 8 | S 15 |
| S 16 | 5 40 46 | 24° 7'45 | 17° 6 | 7°52 | 7°33 | 29°27 | 28°27 | 2° 5 | 29°48 | 2°22 | 22°49 | 6°10 | 4°47 | 18°18 | 25° 8 | S 16 |
| M17 | 5 44 43 | 25° 8'29 | 29°43 | 9°20 | 8°14 | 29° 4 | 28°37 | 2°10 | 29°45 | 2°24 | 22°49 | 6° 4 | 4°44 | 18°24 | 25° 9 | M17 |
| T 18 | 5 48 39 | 26° 9'15 | 12♍ 0 | 10°49 | 8°54 | 28°41 | 28°47 | 2°16 | 29°43 | 2°26 | 22°50 | 6° 1 | 4°41 | 18°31 | 25°10 | T 18 |
| W19 | 5 52 36 | 27°10'03 | 24° 2 | 12°19 | 9°33 | 28°18 | 28°56 | 2°21 | 29°40 | 2°28 | 22°50 | 6°D 0 | 4°38 | 18°38 | 25°10 | W19 |
| T 20 | 5 56 32 | 28°10'51 | 5♎55 | 13°49 | 10°11 | 27°55 | 29° 5 | 2°26 | 29°38 | 2°30 | 22°50 | 6° 0 | 4°35 | 18°44 | 25°11 | T 20 |
| F 21 | 6 0 29 | 29°11'42 | 17°43 | 15°20 | 10°47 | 27°32 | 29°15 | 2°31 | 29°35 | 2°32 | 22°50 | 6° 1 | 4°31 | 18°51 | 25°12 | F 21 |
| S 22 | 6 4 25 | 0♑12'33 | 29°31 | 16°51 | 11°22 | 27°10 | 29°24 | 2°36 | 29°33 | 2°34 | 22°50 | 6° 2 | 4°28 | 18°58 | 25°13 | S 22 |
| S 23 | 6 8 22 | 1°13'26 | 11♏26 | 18°22 | 11°56 | 26°47 | 29°33 | 2°41 | 29°30 | 2°36 | 22°50 | 6°R 2 | 4°25 | 19° 4 | 25°14 | S 23 |
| M24 | 6 12 19 | 2°14'20 | 23°30 | 19°54 | 12°28 | 26°25 | 29°42 | 2°46 | 29°28 | 2°38 | 22°50 | 6° 0 | 4°22 | 19°11 | 25°15 | M24 |
| T 25 | 6 16 15 | 3°15'15 | 5♐49 | 21°26 | 12°59 | 26° 4 | 29°50 | 2°51 | 29°25 | 2°40 | 22°R50 | 5°56 | 4°19 | 19°18 | 25°16 | T 25 |
| W26 | 6 20 12 | 4°16'11 | 18°23 | 22°58 | 13°28 | 25°42 | 29°59 | 2°56 | 29°22 | 2°42 | 22°50 | 5°49 | 4°15 | 19°24 | 25°17 | W26 |
| T 27 | 6 24 8 | 5°17'08 | 1♑15 | 24°30 | 13°55 | 25°21 | 0♏ 8 | 3° 1 | 29°20 | 2°44 | 22°50 | 5°40 | 4°12 | 19°31 | 25°18 | T 27 |
| F 28 | 6 28 5 | 6°18'06 | 14°23 | 26° 2 | 14°21 | 25° 1 | 0°16 | 3° 5 | 29°17 | 2°46 | 22°50 | 5°29 | 4° 9 | 19°38 | 25°20 | F 28 |
| S 29 | 6 32 1 | 7°19'05 | 27°47 | 27°35 | 14°45 | 24°41 | 0°24 | 3°10 | 29°15 | 2°48 | 22°50 | 5°18 | 4° 6 | 19°44 | 25°21 | S 29 |
| S 30 | 6 35 58 | 8°20'04 | 11♒23 | 29° 8 | 15° 7 | 24°21 | 0°33 | 3°14 | 29°12 | 2°50 | 22°50 | 5° 8 | 4° 3 | 19°51 | 25°22 | S 30 |
| M31 | 6 39 54 | 9♑21'04 | 25♒10 | 0♑41 | 15♒28 | 24♊ 3 | 0♏41 | 3♏19 | 29♊10 | 2♐52 | 22♍50 | 4♉59 | 4♉ 0 | 19♎58 | 25♓24 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 21s41 | 26s59 | 4s55 | 15s26 | 2n24 | 24s15 | 3s21 | 25n 4 | 1n50 | 8s54 | 1n 7 | 9s30 | 2n16 | 23n28 | 0n 9 | 18s51 | 1n36 | 14n34 | 12n44 | 13n46 | 13n19 | 4s57 | 1n42 | 3n58 | S 1 |
| S 2 | 21 50 | 24 49 | 5 10 | 15 34 | 2 25 | 24 3 | 3 19 | 25 8 | 1 53 | 8 58 | 1 7 | 9 32 | 2 16 | 23 28 | 0 9 | 18 51 | 1 36 | 14 35 | 12 45 | 13 45 | 13 18 | 5 1 | 1 42 | 3 58 | S 2 |
| M 3 | 21 59 | 21 16 | 5 9 | 15 46 | 2 25 | 23 50 | 3 17 | 25 12 | 1 56 | 9 2 | 1 7 | 9 34 | 2 16 | 23 28 | 0 9 | 18 52 | 1 36 | 14 35 | 12 45 | 13 43 | 13 17 | 5 4 | 1 42 | 3 57 | M 3 |
| T 4 | 22 7 | 16 32 | 4 50 | 16 0 | 2 24 | 23 37 | 3 14 | 25 15 | 1 59 | 9 6 | 1 7 | 9 36 | 2 16 | 23 28 | 0 9 | 18 52 | 1 36 | 14 35 | 12 46 | 13 42 | 13 16 | 5 7 | 1 41 | 3 57 | T 4 |
| W 5 | 22 15 | 10 53 | 4 14 | 16 17 | 2 21 | 23 24 | 3 12 | 25 19 | 2 3 | 9 9 | 1 7 | 9 38 | 2 16 | 23 28 | 0 9 | 18 52 | 1 36 | 14 35 | 12 46 | 13 42 | 13 15 | 5 11 | 1 41 | 3 57 | W 5 |
| T 6 | 22 22 | 4 36 | 3 23 | 16 35 | 2 18 | 23 11 | 3 9 | 25 23 | 2 6 | 9 13 | 1 7 | 9 40 | 2 16 | 23 28 | 0 9 | 18 53 | 1 36 | 14 35 | 12 47 | 13 42 | 13 14 | 5 14 | 1 41 | 3 57 | T 6 |
| F 7 | 22 29 | 2n 0 | 2 18 | 16 55 | 2 14 | 22 57 | 3 6 | 25 26 | 2 9 | 9 17 | 1 8 | 9 42 | 2 17 | 23 28 | 0 9 | 18 53 | 1 36 | 14 35 | 12 47 | 13 43 | 13 13 | 5 17 | 1 40 | 3 56 | F 7 |
| S 8 | 22 35 | 8 35 | 1 4 | 17 16 | 2 10 | 22 42 | 3 2 | 25 29 | 2 12 | 9 20 | 1 8 | 9 44 | 2 17 | 23 28 | 0 9 | 18 54 | 1 36 | 14 35 | 12 47 | 13 43 | 13 12 | 5 21 | 1 40 | 3 56 | S 8 |
| S 9 | 22 41 | 14 47 | 0n14 | 17 37 | 2 5 | 22 28 | 2 59 | 25 33 | 2 15 | 9 24 | 1 8 | 9 46 | 2 17 | 23 28 | 0 9 | 18 54 | 1 36 | 14 36 | 12 48 | 13 43 | 13 11 | 5 24 | 1 40 | 3 56 | S 9 |
| M10 | 22 47 | 20 10 | 1 32 | 17 59 | 1 59 | 22 13 | 2 55 | 25 36 | 2 18 | 9 27 | 1 8 | 9 48 | 2 17 | 23 28 | 0 9 | 18 55 | 1 36 | 14 36 | 12 48 | 13 43 | 13 9 | 5 27 | 1 40 | 3 55 | M10 |
| T 11 | 22 52 | 24 18 | 2 43 | 18 22 | 1 53 | 21 58 | 2 51 | 25 39 | 2 20 | 9 31 | 1 8 | 9 50 | 2 17 | 23 28 | 0 9 | 18 55 | 1 37 | 14 36 | 12 49 | 13 42 | 13 8 | 5 30 | 1 40 | 3 55 | T 11 |
| W12 | 22 57 | 26 51 | 3 43 | 18 44 | 1 47 | 21 42 | 2 47 | 25 42 | 2 23 | 9 34 | 1 8 | 9 51 | 2 17 | 23 28 | 0 9 | 18 55 | 1 37 | 14 36 | 12 49 | 13 40 | 13 7 | 5 34 | 1 40 | 3 55 | W12 |
| T 13 | 23 1 | 27 36 | 4 29 | 19 7 | 1 40 | 21 27 | 2 42 | 25 45 | 2 26 | 9 38 | 1 8 | 9 53 | 2 18 | 23 28 | 0 9 | 18 56 | 1 37 | 14 37 | 12 50 | 13 38 | 13 6 | 5 37 | 1 39 | 3 54 | T 13 |
| F 14 | 23 5 | 26 37 | 4 57 | 19 29 | 1 34 | 21 11 | 2 37 | 25 48 | 2 29 | 9 41 | 1 9 | 9 55 | 2 18 | 23 28 | 0 9 | 18 56 | 1 37 | 14 37 | 12 50 | 13 35 | 13 5 | 5 40 | 1 39 | 3 54 | F 14 |
| S 15 | 23 8 | 24 7 | 5 8 | 19 51 | 1 27 | 20 55 | 2 32 | 25 50 | 2 31 | 9 45 | 1 9 | 9 57 | 2 18 | 23 28 | 0 9 | 18 57 | 1 37 | 14 37 | 12 51 | 13 33 | 13 4 | 5 44 | 1 39 | 3 54 | S 15 |
| S 16 | 23 11 | 20 26 | 5 3 | 20 12 | 1 19 | 20 39 | 2 26 | 25 53 | 2 34 | 9 48 | 1 9 | 9 58 | 2 18 | 23 28 | 0 9 | 18 57 | 1 37 | 14 38 | 12 51 | 13 30 | 13 3 | 5 47 | 1 39 | 3 54 | S 16 |
| M17 | 23 14 | 15 55 | 4 43 | 20 33 | 1 12 | 20 23 | 2 20 | 25 55 | 2 36 | 9 51 | 1 9 | 10 0 | 2 18 | 23 28 | 0 9 | 18 57 | 1 37 | 14 38 | 12 52 | 13 29 | 13 2 | 5 50 | 1 39 | 3 53 | M17 |
| T 18 | 23 16 | 10 52 | 4 10 | 20 53 | 1 5 | 20 6 | 2 14 | 25 57 | 2 38 | 9 54 | 1 9 | 10 2 | 2 19 | 23 28 | 0 9 | 18 58 | 1 37 | 14 38 | 12 52 | 13 28 | 13 1 | 5 54 | 1 39 | 3 53 | T 18 |
| W19 | 23 17 | 5 31 | 3 27 | 21 12 | 0 57 | 19 50 | 2 8 | 25 59 | 2 41 | 9 57 | 1 9 | 10 3 | 2 19 | 23 28 | 0 9 | 18 58 | 1 37 | 14 39 | 12 52 | 13 27 | 13 0 | 5 57 | 1 39 | 3 53 | W19 |
| T 20 | 23 18 | 0 2 | 2 35 | 21 31 | 0 50 | 19 33 | 2 1 | 26 1 | 2 43 | 10 1 | 1 10 | 10 5 | 2 19 | 23 28 | 0 9 | 18 58 | 1 37 | 14 39 | 12 53 | 13 27 | 12 59 | 6 0 | 1 39 | 3 52 | T 20 |
| F 21 | 23 19 | 5s25 | 1 37 | 21 49 | 0 43 | 19 16 | 1 54 | 26 3 | 2 45 | 10 4 | 1 10 | 10 6 | 2 19 | 23 28 | 0 9 | 18 59 | 1 37 | 14 39 | 12 53 | 13 28 | 12 58 | 6 3 | 1 39 | 3 52 | F 21 |
| S 22 | 23 19 | 10 42 | 0 35 | 22 5 | 0 35 | 18 59 | 1 47 | 26 4 | 2 47 | 10 7 | 1 10 | 10 8 | 2 19 | 23 28 | 0 9 | 18 59 | 1 37 | 14 40 | 12 54 | 13 28 | 12 57 | 6 7 | 1 39 | 3 52 | S 22 |
| S 23 | 23 19 | 15 39 | 0s29 | 22 21 | 0 28 | 18 43 | 1 39 | 26 6 | 2 49 | 10 10 | 1 10 | 10 9 | 2 20 | 23 28 | 0 9 | 19 0 | 1 37 | 14 40 | 12 54 | 13 28 | 12 56 | 6 10 | 1 40 | 3 52 | S 23 |
| M24 | 23 18 | 20 3 | 1 32 | 22 36 | 0 20 | 18 26 | 1 31 | 26 7 | 2 51 | 10 13 | 1 10 | 10 11 | 2 20 | 23 28 | 0 9 | 19 0 | 1 37 | 14 40 | 12 55 | 13 27 | 12 55 | 6 13 | 1 40 | 3 51 | M24 |
| T 25 | 23 17 | 23 40 | 2 33 | 22 50 | 0 13 | 18 9 | 1 22 | 26 8 | 2 52 | 10 16 | 1 10 | 10 12 | 2 20 | 23 28 | 0 9 | 19 0 | 1 37 | 14 41 | 12 55 | 13 26 | 12 54 | 6 17 | 1 40 | 3 51 | T 25 |
| W26 | 23 15 | 26 14 | 3 26 | 23 2 | 0 6 | 17 52 | 1 14 | 26 9 | 2 54 | 10 18 | 1 11 | 10 14 | 2 20 | 23 28 | 0 9 | 19 1 | 1 37 | 14 41 | 12 56 | 13 24 | 12 52 | 6 20 | 1 40 | 3 51 | W26 |
| T 27 | 23 13 | 27 30 | 4 11 | 23 14 | 0s 1 | 17 36 | 1 4 | 26 10 | 2 56 | 10 21 | 1 11 | 10 15 | 2 20 | 23 28 | 0 9 | 19 1 | 1 37 | 14 42 | 12 56 | 13 21 | 12 51 | 6 23 | 1 40 | 3 50 | T 27 |
| F 28 | 23 10 | 27 14 | 4 43 | 23 24 | 0 9 | 17 19 | 0 55 | 26 10 | 2 57 | 10 24 | 1 11 | 10 16 | 2 21 | 23 28 | 0 9 | 19 1 | 1 37 | 14 42 | 12 57 | 13 17 | 12 50 | 6 26 | 1 41 | 3 50 | F 28 |
| S 29 | 23 7 | 25 25 | 5 1 | 23 33 | 0 16 | 17 3 | 0 45 | 26 11 | 2 58 | 10 27 | 1 11 | 10 18 | 2 21 | 23 28 | 0 9 | 19 2 | 1 37 | 14 43 | 12 57 | 13 13 | 12 49 | 6 30 | 1 41 | 3 50 | S 29 |
| S 30 | 23 3 | 22 6 | 5 2 | 23 41 | 0 22 | 16 46 | 0 35 | 26 11 | 3 0 | 10 29 | 1 11 | 10 19 | 2 21 | 23 28 | 0 9 | 19 2 | 1 37 | 14 43 | 12 58 | 13 10 | 12 48 | 6 33 | 1 41 | 3 50 | S 30 |
| M31 | 22s59 | 17s32 | 4s45 | 23s48 | 0s29 | 16s30 | 0s24 | 26n12 | 3n 1 | 10s32 | 1n11 | 10s20 | 2n21 | 23n28 | 0n 9 | 19s 2 | 1n37 | 14n44 | 12n58 | 13n 7 | 12n47 | 6s36 | 1n41 | 3n49 | M31 |

Julian Day Number = 2799955.5, Delta T = 49m59s
Ecliptic obliquity = 23°19'03, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'34, Lahiri = 37°12'34


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# ASTRODIENST EPHEMERIS for the year 2954
# geocentric

## JANUARY 2954 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 43 51 | 10♑22'04 | 9♓ 4 | 2♑13 | 15♒46 | 23°R44 | 0♏49 | 3♏23 | 29°R 7 | 2♐54 | 22°R49 | 4°R52 | 3♉56 | 20♎ 4 | 25♓25 | T 1 |
| W 2 | 6 47 48 | 11°23'05 | 23° 3 | 3°47 | 16° 2 | 23♊27 | 0°56 | 3°27 | 29♊ 5 | 2°56 | 22♍49 | 4♉48 | 3°53 | 20°11 | 25°27 | W 2 |
| T 3 | 6 51 44 | 12°24'06 | 7♈ 5 | 5°20 | 16°16 | 23°10 | 1° 4 | 3°31 | 29° 2 | 2°58 | 22°49 | 4°D47 | 3°50 | 20°17 | 25°28 | T 3 |
| F 4 | 6 55 41 | 13°25'07 | 21°10 | 6°53 | 16°28 | 22°53 | 1°12 | 3°35 | 29° 0 | 2°59 | 22°49 | 4°47 | 3°47 | 20°24 | 25°30 | F 4 |
| S 5 | 6 59 37 | 14°26'09 | 5♉17 | 8°27 | 16°38 | 22°38 | 1°19 | 3°39 | 28°58 | 3° 1 | 22°48 | 4°R47 | 3°44 | 20°31 | 25°32 | S 5 |
| S 6 | 7 3 34 | 15°27'11 | 19°25 | 10° 1 | 16°45 | 22°23 | 1°26 | 3°43 | 28°55 | 3° 3 | 22°48 | 4°46 | 3°41 | 20°37 | 25°34 | S 6 |
| M 7 | 7 7 30 | 16°28'13 | 3♊31 | 11°35 | 16°50 | 22° 9 | 1°33 | 3°47 | 28°53 | 3° 5 | 22°48 | 4°43 | 3°37 | 20°44 | 25°35 | M 7 |
| T 8 | 7 11 27 | 17°29'15 | 17°35 | 13° 9 | 16°53 | 21°56 | 1°40 | 3°51 | 28°50 | 3° 6 | 22°47 | 4°38 | 3°34 | 20°51 | 25°37 | T 8 |
| W 9 | 7 15 23 | 18°30'18 | 1♋31 | 14°43 | 16°R53 | 21°43 | 1°47 | 3°54 | 28°48 | 3° 8 | 22°47 | 4°29 | 3°31 | 20°57 | 25°39 | W 9 |
| T 10 | 7 19 20 | 19°31'21 | 15°17 | 16°18 | 16°51 | 21°32 | 1°54 | 3°58 | 28°46 | 3°10 | 22°46 | 4°17 | 3°28 | 21° 4 | 25°41 | T 10 |
| F 11 | 7 23 17 | 20°32'25 | 28°47 | 17°53 | 16°46 | 21°21 | 2° 1 | 4° 1 | 28°43 | 3°12 | 22°46 | 4° 5 | 3°25 | 21°11 | 25°43 | F 11 |
| S 12 | 7 27 13 | 21°33'28 | 12♌ 0 | 19°28 | 16°39 | 21°11 | 2° 7 | 4° 4 | 28°41 | 3°13 | 22°45 | 3°52 | 3°22 | 21°17 | 25°45 | S 12 |
| S 13 | 7 31 10 | 22°34'32 | 24°54 | 21° 3 | 16°29 | 21° 1 | 2°13 | 4° 8 | 28°39 | 3°15 | 22°45 | 3°40 | 3°18 | 21°24 | 25°47 | S 13 |
| M14 | 7 35 6 | 23°35'37 | 7♍29 | 22°39 | 16°17 | 20°53 | 2°19 | 4°11 | 28°37 | 3°16 | 22°44 | 3°30 | 3°15 | 21°31 | 25°49 | M14 |
| T 15 | 7 39 3 | 24°36'41 | 19°46 | 24°15 | 16° 2 | 20°45 | 2°25 | 4°14 | 28°34 | 3°18 | 22°43 | 3°23 | 3°12 | 21°37 | 25°52 | T 15 |
| W16 | 7 42 59 | 25°37'46 | 1♎49 | 25°51 | 15°45 | 20°38 | 2°31 | 4°17 | 28°32 | 3°20 | 22°43 | 3°18 | 3° 9 | 21°44 | 25°54 | W16 |
| T 17 | 7 46 56 | 26°38'52 | 13°41 | 27°28 | 15°26 | 20°32 | 2°37 | 4°20 | 28°30 | 3°21 | 22°42 | 3°16 | 3° 6 | 21°51 | 25°56 | T 17 |
| F 18 | 7 50 53 | 27°39'58 | 25°29 | 29° 5 | 15° 4 | 20°27 | 2°42 | 4°22 | 28°28 | 3°23 | 22°41 | 3°15 | 3° 2 | 21°57 | 25°58 | F 18 |
| S 19 | 7 54 49 | 28°41'04 | 7♏18 | 0♒42 | 14°40 | 20°23 | 2°48 | 4°25 | 28°26 | 3°24 | 22°40 | 3°15 | 2°59 | 22° 4 | 26° 1 | S 19 |
| S 20 | 7 58 46 | 29°42'10 | 19°12 | 2°20 | 14°14 | 20°19 | 2°53 | 4°27 | 28°24 | 3°25 | 22°40 | 3°15 | 2°56 | 22°11 | 26° 3 | S 20 |
| M21 | 8 2 42 | 0♒43'17 | 1♐19 | 3°58 | 13°46 | 20°16 | 2°58 | 4°30 | 28°22 | 3°27 | 22°39 | 3°12 | 2°53 | 22°17 | 26° 6 | M21 |
| T 22 | 8 6 39 | 1°44'24 | 13°42 | 5°37 | 13°16 | 20°14 | 3° 3 | 4°32 | 28°20 | 3°28 | 22°38 | 3° 7 | 2°50 | 22°24 | 26° 8 | T 22 |
| W23 | 8 10 35 | 2°45'32 | 26°25 | 7°16 | 12°44 | 20°13 | 3° 7 | 4°34 | 28°18 | 3°30 | 22°37 | 2°59 | 2°47 | 22°30 | 26°11 | W23 |
| T 24 | 8 14 32 | 3°46'39 | 9♑30 | 8°55 | 12°11 | 20°D13 | 3°12 | 4°37 | 28°16 | 3°31 | 22°36 | 2°49 | 2°43 | 22°37 | 26°13 | T 24 |
| F 25 | 8 18 28 | 4°47'46 | 22°57 | 10°34 | 11°37 | 20°13 | 3°16 | 4°39 | 28°14 | 3°32 | 22°35 | 2°36 | 2°40 | 22°44 | 26°16 | F 25 |
| S 26 | 8 22 25 | 5°48'53 | 6♒44 | 12°14 | 11° 2 | 20°14 | 3°21 | 4°41 | 28°12 | 3°34 | 22°34 | 2°23 | 2°37 | 22°50 | 26°19 | S 26 |
| S 27 | 8 26 22 | 6°50'00 | 20°48 | 13°55 | 10°26 | 20°16 | 3°25 | 4°42 | 28°10 | 3°35 | 22°33 | 2°11 | 2°34 | 22°57 | 26°21 | S 27 |
| M28 | 8 30 18 | 7°51'06 | 5♓ 2 | 15°35 | 9°50 | 20°19 | 3°28 | 4°44 | 28° 8 | 3°36 | 22°33 | 2° 0 | 2°31 | 23° 4 | 26°24 | M28 |
| T 29 | 8 34 15 | 8°52'12 | 19°22 | 17°16 | 9°13 | 20°23 | 3°32 | 4°46 | 28° 7 | 3°37 | 22°31 | 1°52 | 2°27 | 23°10 | 26°27 | T 29 |
| W30 | 8 38 11 | 9°53'17 | 3♈42 | 18°57 | 8°36 | 20°27 | 3°36 | 4°47 | 28° 5 | 3°38 | 22°30 | 1°47 | 2°24 | 23°17 | 26°30 | W30 |
| T 31 | 8 42 8 | 10♒54'22 | 17♈59 | 20♒38 | 8♒ 0 | 20♊32 | 3♏39 | 4♏49 | 28♊ 3 | 3♐40 | 22♍29 | 1♉44 | 2♉21 | 23♎24 | 26♓33 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s55 | 12s 1 | 4s11 | 23s54 | 0s36 | 16s14 | 0s13 | 26n12 | 3n 2 | 10s35 | 1n12 | 10s22 | 2n21 | 23n28 | 0n 9 | 19s 3 | 1n37 | 14n44 | 12n58 | 13n 5 | 12n46 | 6s40 | 1n42 | 3n49 |
| W 2 | 22 50 | 5 51 | 3 23 | 23 58 | 0 42 | 15 58 | 0 1 | 26 12 | 3 3 | 10 37 | 1 12 | 10 23 | 2 22 | 23 28 | 0 9 | 19 3 | 1 37 | 14 45 | 12 59 | 13 3 | 12 45 | 6 43 | 1 42 | 3 49 |
| T 3 | 22 45 | 0n38 | 2 22 | 24 1 | 0 48 | 15 43 | 0n10 | 26 12 | 3 4 | 10 40 | 1 12 | 10 24 | 2 22 | 23 28 | 0 9 | 19 3 | 1 37 | 14 45 | 12 59 | 13 3 | 12 44 | 6 46 | 1 42 | 3 48 |
| F 4 | 22 39 | 7 6 | 1 12 | 24 3 | 0 54 | 15 28 | 0 23 | 26 12 | 3 5 | 10 42 | 1 12 | 10 25 | 2 22 | 23 28 | 0 9 | 19 4 | 1 37 | 14 46 | 13 0 | 13 3 | 12 43 | 6 49 | 1 43 | 3 48 |
| S 5 | 22 32 | 13 16 | 0n 3 | 24 3 | 1 0 | 15 13 | 0 35 | 26 12 | 3 6 | 10 44 | 1 12 | 10 26 | 2 22 | 23 28 | 0 9 | 19 4 | 1 37 | 14 46 | 13 0 | 13 3 | 12 42 | 6 53 | 1 43 | 3 48 |
| S 6 | 22 26 | 18 44 | 1 17 | 24 2 | 1 6 | 14 58 | 0 48 | 26 12 | 3 6 | 10 47 | 1 13 | 10 27 | 2 23 | 23 28 | 0 9 | 19 4 | 1 37 | 14 47 | 13 1 | 13 3 | 12 41 | 6 56 | 1 44 | 3 48 |
| M 7 | 22 18 | 23 9 | 2 26 | 24 0 | 1 12 | 14 44 | 1 1 | 26 12 | 3 7 | 10 49 | 1 13 | 10 28 | 2 23 | 23 28 | 0 9 | 19 5 | 1 37 | 14 47 | 13 1 | 13 2 | 12 40 | 6 59 | 1 44 | 3 47 |
| T 8 | 22 11 | 26 10 | 3 26 | 23 57 | 1 17 | 14 30 | 1 15 | 26 11 | 3 7 | 10 51 | 1 13 | 10 29 | 2 23 | 23 28 | 0 9 | 19 5 | 1 37 | 14 48 | 13 2 | 13 0 | 12 39 | 7 3 | 1 45 | 3 47 |
| W 9 | 22 3 | 27 32 | 4 13 | 23 52 | 1 22 | 14 17 | 1 29 | 26 11 | 3 8 | 10 53 | 1 13 | 10 30 | 2 23 | 23 28 | 0 9 | 19 5 | 1 37 | 14 48 | 13 2 | 12 57 | 12 38 | 7 6 | 1 45 | 3 47 |
| T 10 | 21 54 | 27 10 | 4 45 | 23 46 | 1 27 | 14 4 | 1 43 | 26 11 | 3 8 | 10 55 | 1 13 | 10 31 | 2 24 | 23 28 | 0 9 | 19 5 | 1 37 | 14 49 | 13 2 | 12 53 | 12 36 | 7 9 | 1 46 | 3 46 |
| F 11 | 21 45 | 25 11 | 5 0 | 23 39 | 1 32 | 13 51 | 1 58 | 26 10 | 3 8 | 10 58 | 1 14 | 10 32 | 2 24 | 23 28 | 0 9 | 19 6 | 1 37 | 14 50 | 13 3 | 12 49 | 12 35 | 7 12 | 1 46 | 3 46 |
| S 12 | 21 36 | 21 52 | 4 58 | 23 30 | 1 36 | 13 39 | 2 13 | 26 10 | 3 9 | 11 0 | 1 14 | 10 33 | 2 24 | 23 28 | 0 9 | 19 6 | 1 37 | 14 50 | 13 3 | 12 45 | 12 34 | 7 16 | 1 47 | 3 46 |
| S 13 | 21 26 | 17 34 | 4 41 | 23 20 | 1 41 | 13 28 | 2 28 | 26 9 | 3 9 | 11 1 | 1 14 | 10 34 | 2 24 | 23 28 | 0 9 | 19 6 | 1 37 | 14 51 | 13 4 | 12 40 | 12 33 | 7 19 | 1 47 | 3 46 |
| M14 | 21 16 | 12 35 | 4 10 | 23 9 | 1 45 | 13 17 | 2 43 | 26 9 | 3 9 | 11 3 | 1 14 | 10 35 | 2 25 | 23 28 | 0 9 | 19 7 | 1 37 | 14 51 | 13 4 | 12 37 | 12 32 | 7 22 | 1 48 | 3 45 |
| T 15 | 21 6 | 7 14 | 3 29 | 22 56 | 1 48 | 13 6 | 2 58 | 26 8 | 3 9 | 11 5 | 1 14 | 10 35 | 2 25 | 23 28 | 0 9 | 19 7 | 1 37 | 14 52 | 13 4 | 12 35 | 12 31 | 7 26 | 1 49 | 3 45 |
| W16 | 20 55 | 1 42 | 2 38 | 22 42 | 1 52 | 12 57 | 3 14 | 26 8 | 3 9 | 11 7 | 1 15 | 10 36 | 2 25 | 23 28 | 0 9 | 19 7 | 1 38 | 14 53 | 13 5 | 12 33 | 12 30 | 7 29 | 1 49 | 3 45 |
| T 17 | 20 43 | 3s49 | 1 42 | 22 26 | 1 55 | 12 47 | 3 29 | 26 7 | 3 9 | 11 9 | 1 15 | 10 37 | 2 25 | 23 28 | 0 9 | 19 7 | 1 38 | 14 53 | 13 5 | 12 32 | 12 29 | 7 32 | 1 50 | 3 45 |
| F 18 | 20 31 | 9 10 | 0 41 | 22 9 | 1 58 | 12 39 | 3 45 | 26 7 | 3 9 | 11 10 | 1 15 | 10 37 | 2 26 | 23 28 | 0 9 | 19 8 | 1 38 | 14 54 | 13 6 | 12 32 | 12 28 | 7 35 | 1 51 | 3 44 |
| S 19 | 20 19 | 14 13 | 0s21 | 21 51 | 2 0 | 12 31 | 4 0 | 26 6 | 3 9 | 11 12 | 1 15 | 10 38 | 2 26 | 23 28 | 0 9 | 19 8 | 1 38 | 14 55 | 13 6 | 12 32 | 12 27 | 7 39 | 1 51 | 3 44 |
| S 20 | 20 7 | 18 47 | 1 23 | 21 32 | 2 2 | 12 23 | 4 16 | 26 6 | 3 8 | 11 13 | 1 16 | 10 39 | 2 26 | 23 28 | 0 9 | 19 8 | 1 38 | 14 55 | 13 6 | 12 32 | 12 26 | 7 42 | 1 52 | 3 44 |
| M21 | 19 54 | 22 39 | 2 23 | 21 11 | 2 4 | 12 17 | 4 31 | 26 5 | 3 8 | 11 15 | 1 16 | 10 39 | 2 26 | 23 28 | 0 9 | 19 8 | 1 38 | 14 56 | 13 7 | 12 31 | 12 25 | 7 45 | 1 53 | 3 44 |
| T 22 | 19 40 | 25 35 | 3 16 | 20 48 | 2 6 | 12 11 | 4 46 | 26 5 | 3 8 | 11 16 | 1 16 | 10 40 | 2 27 | 23 28 | 0 9 | 19 8 | 1 38 | 14 57 | 13 7 | 12 29 | 12 23 | 7 48 | 1 54 | 3 43 |
| W23 | 19 27 | 27 18 | 4 2 | 20 24 | 2 7 | 12 5 | 5 1 | 26 5 | 3 7 | 11 18 | 1 16 | 10 40 | 2 27 | 23 28 | 0 9 | 19 9 | 1 38 | 14 57 | 13 8 | 12 27 | 12 22 | 7 52 | 1 54 | 3 43 |
| T 24 | 19 13 | 27 34 | 4 36 | 19 59 | 2 8 | 12 0 | 5 15 | 26 4 | 3 7 | 11 19 | 1 16 | 10 41 | 2 27 | 23 28 | 0 9 | 19 9 | 1 38 | 14 58 | 13 8 | 12 23 | 12 21 | 7 55 | 1 55 | 3 43 |
| F 25 | 18 58 | 26 14 | 4 56 | 19 33 | 2 8 | 11 56 | 5 29 | 26 4 | 3 7 | 11 20 | 1 17 | 10 41 | 2 27 | 23 28 | 0 9 | 19 9 | 1 38 | 14 59 | 13 8 | 12 19 | 12 20 | 7 58 | 1 56 | 3 43 |
| S 26 | 18 43 | 23 19 | 4 59 | 19 5 | 2 8 | 11 53 | 5 42 | 26 3 | 3 6 | 11 22 | 1 17 | 10 42 | 2 28 | 23 28 | 0 9 | 19 9 | 1 38 | 15 0 | 13 9 | 12 14 | 12 19 | 8 1 | 1 57 | 3 43 |
| S 27 | 18 28 | 18 59 | 4 45 | 18 36 | 2 7 | 11 50 | 5 55 | 26 3 | 3 6 | 11 23 | 1 17 | 10 42 | 2 28 | 23 28 | 0 9 | 19 9 | 1 38 | 15 0 | 13 9 | 12 10 | 12 18 | 8 5 | 1 58 | 3 42 |
| M28 | 18 13 | 13 32 | 4 12 | 18 5 | 2 6 | 11 48 | 6 7 | 26 3 | 3 5 | 11 24 | 1 17 | 10 42 | 2 28 | 23 28 | 0 9 | 19 10 | 1 38 | 15 1 | 13 10 | 12 6 | 12 17 | 8 8 | 1 59 | 3 42 |
| T 29 | 17 57 | 7 19 | 3 24 | 17 34 | 2 5 | 11 46 | 6 19 | 26 2 | 3 5 | 11 25 | 1 18 | 10 43 | 2 29 | 23 28 | 0 9 | 19 10 | 1 38 | 15 2 | 13 10 | 12 4 | 12 16 | 8 11 | 1 59 | 3 42 |
| W30 | 17 41 | 0 43 | 2 22 | 17 1 | 2 3 | 11 45 | 6 29 | 26 2 | 3 4 | 11 26 | 1 18 | 10 43 | 2 29 | 23 28 | 0 9 | 19 10 | 1 38 | 15 2 | 13 10 | 12 2 | 12 15 | 8 14 | 2 0 | 3 42 |
| T 31 | 17s24 | 5n54 | 1s12 | 16s26 | 2s 0 | 11s44 | 6n39 | 26n 2 | 3n 4 | 11s27 | 1n18 | 10s43 | 2n29 | 23n28 | 0n 9 | 19s10 | 1n38 | 15n 3 | 13n11 | 12n 1 | 12n14 | 8s18 | 2n 1 | 3n41 |

Julian Day Number = 2799986.5, Delta T = 50m00s
Ecliptic obliquity = 23°19'03, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'38, Lahiri = 37°12'39


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# ASTRODIENST EPHEMERIS for the year 2954
# geocentric

## FEBRUARY 2954 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 8 46 4 | 11♒55'26 | 2♉ 9 | 22♒19 | 7°R24 | 20♊37 | 3♏42 | 4♏50 | 28°R 2 | 3♐41 | 22°R28 | 1°D44 | 2♉18 | 23♎30 | 26♓35 | F 1 |
| S 2 | 8 50 1 | 12°56'29 | 16°12 | 24° 0 | 6♒48 | 20°43 | 3°45 | 4°51 | 28♊ 0 | 3°42 | 22♍27 | 1°R44 | 2°15 | 23°37 | 26°38 | S 2 |
| S 3 | 8 53 57 | 13°57'31 | 0♊ 7 | 25°41 | 6°14 | 20°50 | 3°48 | 4°52 | 27°58 | 3°43 | 22°26 | 1♉43 | 2°12 | 23°44 | 26°41 | S 3 |
| M 4 | 8 57 54 | 14°58'33 | 13°54 | 27°22 | 5°40 | 20°58 | 3°50 | 4°53 | 27°57 | 3°44 | 22°25 | 1°40 | 2° 8 | 23°50 | 26°44 | M 4 |
| T 5 | 9 1 51 | 15°59'34 | 27°33 | 29° 2 | 5° 9 | 21° 6 | 3°53 | 4°54 | 27°55 | 3°45 | 22°24 | 1°35 | 2° 5 | 23°57 | 26°47 | T 5 |
| W 6 | 9 5 47 | 17° 0'34 | 11♋ 3 | 0♓42 | 4°38 | 21°15 | 3°55 | 4°55 | 27°54 | 3°46 | 22°23 | 1°26 | 2° 2 | 24° 4 | 26°51 | W 6 |
| T 7 | 9 9 44 | 18° 1'33 | 24°23 | 2°21 | 4°10 | 21°25 | 3°57 | 4°55 | 27°53 | 3°47 | 22°21 | 1°15 | 1°59 | 24°10 | 26°54 | T 7 |
| F 8 | 9 13 40 | 19° 2'32 | 7♌31 | 3°58 | 3°43 | 21°35 | 3°59 | 4°56 | 27°51 | 3°47 | 22°20 | 1° 2 | 1°56 | 24°17 | 26°57 | F 8 |
| S 9 | 9 17 37 | 20° 3'29 | 20°25 | 5°34 | 3°19 | 21°46 | 4° 0 | 4°56 | 27°50 | 3°48 | 22°19 | 0°49 | 1°53 | 24°23 | 27° 0 | S 9 |
| S 10 | 9 21 33 | 21° 4'26 | 3♍ 5 | 7° 8 | 2°56 | 21°57 | 4° 2 | 4°57 | 27°49 | 3°49 | 22°18 | 0°37 | 1°49 | 24°30 | 27° 3 | S 10 |
| M11 | 9 25 30 | 22° 5'22 | 15°30 | 8°40 | 2°36 | 22° 9 | 4° 3 | 4°57 | 27°47 | 3°50 | 22°16 | 0°27 | 1°46 | 24°37 | 27° 6 | M11 |
| T 12 | 9 29 26 | 23° 6'18 | 27°41 | 10° 8 | 2°19 | 22°22 | 4° 4 | 4°57 | 27°46 | 3°51 | 22°15 | 0°20 | 1°43 | 24°43 | 27°10 | T 12 |
| W13 | 9 33 23 | 24° 7'12 | 9♎41 | 11°34 | 2° 4 | 22°35 | 4° 5 | 4°R57 | 27°45 | 3°51 | 22°14 | 0°15 | 1°40 | 24°50 | 27°13 | W13 |
| T 14 | 9 37 20 | 25° 8'06 | 21°33 | 12°55 | 1°51 | 22°48 | 4° 6 | 4°57 | 27°44 | 3°52 | 22°12 | 0°13 | 1°37 | 24°57 | 27°16 | T 14 |
| F 15 | 9 41 16 | 26° 9'00 | 3♏20 | 14°12 | 1°41 | 23° 2 | 4° 7 | 4°57 | 27°43 | 3°53 | 22°11 | 0°D12 | 1°33 | 25° 3 | 27°20 | F 15 |
| S 16 | 9 45 13 | 27° 9'52 | 15° 8 | 15°24 | 1°33 | 23°17 | 4° 7 | 4°57 | 27°42 | 3°53 | 22°10 | 0°13 | 1°30 | 25°10 | 27°23 | S 16 |
| S 17 | 9 49 9 | 28°10'44 | 27° 1 | 16°29 | 1°28 | 23°32 | 4°R 7 | 4°56 | 27°41 | 3°54 | 22° 8 | 0°R13 | 1°27 | 25°17 | 27°26 | S 17 |
| M18 | 9 53 6 | 29°11'36 | 9♐ 6 | 17°27 | 1°25 | 23°47 | 4° 7 | 4°56 | 27°40 | 3°55 | 22° 7 | 0°13 | 1°24 | 25°23 | 27°30 | M18 |
| T 19 | 9 57 2 | 0♓12'26 | 21°28 | 18°18 | 1°D25 | 24° 3 | 4° 7 | 4°55 | 27°40 | 3°55 | 22° 6 | 0°10 | 1°21 | 25°30 | 27°33 | T 19 |
| W20 | 10 0 59 | 1°13'16 | 4♑12 | 19° 0 | 1°27 | 24°20 | 4° 6 | 4°54 | 27°39 | 3°56 | 22° 4 | 0° 6 | 1°18 | 25°37 | 27°37 | W20 |
| T 21 | 10 4 55 | 2°14'05 | 17°20 | 19°33 | 1°32 | 24°37 | 4° 6 | 4°53 | 27°38 | 3°56 | 22° 3 | 29♈59 | 1°14 | 25°43 | 27°40 | T 21 |
| F 22 | 10 8 52 | 3°14'53 | 0♒55 | 19°56 | 1°38 | 24°54 | 4° 5 | 4°52 | 27°37 | 3°56 | 22° 1 | 29°50 | 1°11 | 25°50 | 27°44 | F 22 |
| S 23 | 10 12 49 | 4°15'40 | 14°55 | 20° 9 | 1°48 | 25°12 | 4° 4 | 4°51 | 27°37 | 3°57 | 22° 0 | 29°40 | 1° 8 | 25°56 | 27°47 | S 23 |
| S 24 | 10 16 45 | 5°16'26 | 29°17 | 20°R10 | 1°59 | 25°30 | 4° 3 | 4°50 | 27°36 | 3°57 | 21°58 | 29°31 | 1° 5 | 26° 3 | 27°51 | S 24 |
| M25 | 10 20 42 | 6°17'11 | 13♓54 | 20° 1 | 2°12 | 25°49 | 4° 2 | 4°49 | 27°36 | 3°57 | 21°57 | 29°23 | 1° 2 | 26°10 | 27°54 | M25 |
| T 26 | 10 24 38 | 7°17'54 | 28°41 | 19°42 | 2°28 | 26° 8 | 4° 0 | 4°48 | 27°35 | 3°58 | 21°55 | 29°17 | 0°59 | 26°16 | 27°58 | T 26 |
| W27 | 10 28 35 | 8°18'36 | 13♈28 | 19°12 | 2°45 | 26°28 | 3°58 | 4°46 | 27°35 | 3°58 | 21°54 | 29°14 | 0°55 | 26°23 | 28° 1 | W27 |
| T 28 | 10 32 31 | 9♓19'17 | 28♈ 8 | 18♓32 | 3♒ 5 | 26♊48 | 3♏56 | 4♏45 | 27♊35 | 3♐58 | 21♍52 | 29°D13 | 0♉52 | 26♎30 | 28♓ 5 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 17s 8 | 12n12 | 0n 2 | 15s51 | 1s57 | 11s44 | 6n49 | 26n 2 | 3n 3 | 11s27 | 1n18 | 10s43 | 2n29 | 23n27 | 0n 9 | 19s10 | 1n38 | 15n 4 | 13n11 | 12n 1 | 12n13 | 8s21 | 2n 2 | 3n41 | F 1 |
| S 2 | 16 51 | 17 49 | 1 16 | 15 14 | 1 53 | 11 45 | 6 57 | 26 2 | 3 2 | 11 28 | 1 19 | 10 43 | 2 30 | 23 27 | 0 9 | 19 10 | 1 38 | 15 5 | 13 11 | 12 1 | 12 12 | 8 24 | 2 3 | 3 41 | S 2 |
| S 3 | 16 33 | 22 25 | 2 24 | 14 36 | 1 49 | 11 46 | 7 4 | 26 1 | 3 2 | 11 29 | 1 19 | 10 43 | 2 30 | 23 27 | 0 9 | 19 11 | 1 38 | 15 5 | 13 12 | 12 1 | 12 10 | 8 27 | 2 4 | 3 41 | S 3 |
| M 4 | 16 16 | 25 43 | 3 23 | 13 57 | 1 44 | 11 47 | 7 11 | 26 1 | 3 1 | 11 30 | 1 19 | 10 43 | 2 30 | 23 27 | 0 9 | 19 11 | 1 38 | 15 6 | 13 12 | 12 0 | 12 9 | 8 31 | 2 5 | 3 41 | M 4 |
| T 5 | 15 58 | 27 28 | 4 10 | 13 17 | 1 38 | 11 49 | 7 17 | 26 1 | 3 0 | 11 30 | 1 19 | 10 43 | 2 30 | 23 27 | 0 9 | 19 11 | 1 38 | 15 7 | 13 12 | 11 58 | 12 8 | 8 34 | 2 6 | 3 40 | T 5 |
| W 6 | 15 40 | 27 33 | 4 43 | 12 36 | 1 32 | 11 51 | 7 22 | 26 1 | 2 59 | 11 31 | 1 19 | 10 43 | 2 31 | 23 27 | 0 9 | 19 11 | 1 39 | 15 8 | 13 13 | 11 55 | 12 7 | 8 37 | 2 7 | 3 40 | W 6 |
| T 7 | 15 21 | 26 2 | 4 59 | 11 55 | 1 25 | 11 53 | 7 26 | 26 1 | 2 59 | 11 31 | 1 20 | 10 43 | 2 31 | 23 27 | 0 9 | 19 11 | 1 39 | 15 8 | 13 13 | 11 51 | 12 6 | 8 40 | 2 8 | 3 40 | T 7 |
| F 8 | 15 2 | 23 7 | 4 59 | 11 12 | 1 17 | 11 56 | 7 29 | 26 1 | 2 58 | 11 32 | 1 20 | 10 43 | 2 31 | 23 27 | 0 9 | 19 11 | 1 39 | 15 9 | 13 13 | 11 47 | 12 5 | 8 44 | 2 9 | 3 40 | F 8 |
| S 9 | 14 43 | 19 6 | 4 44 | 10 30 | 1 9 | 11 59 | 7 31 | 26 1 | 2 57 | 11 32 | 1 20 | 10 43 | 2 32 | 23 27 | 0 9 | 19 11 | 1 39 | 15 10 | 13 13 | 11 42 | 12 4 | 8 47 | 2 10 | 3 40 | S 9 |
| S 10 | 14 24 | 14 17 | 4 15 | 9 46 | 1 0 | 12 3 | 7 33 | 26 1 | 2 57 | 11 32 | 1 20 | 10 43 | 2 32 | 23 27 | 0 9 | 19 11 | 1 39 | 15 11 | 13 14 | 11 38 | 12 3 | 8 50 | 2 12 | 3 39 | S 10 |
| M11 | 14 5 | 8 59 | 3 34 | 9 3 | 0 49 | 12 6 | 7 34 | 26 1 | 2 56 | 11 32 | 1 21 | 10 43 | 2 32 | 23 27 | 0 9 | 19 12 | 1 39 | 15 11 | 13 14 | 11 34 | 12 2 | 8 53 | 2 13 | 3 39 | M11 |
| T 12 | 13 45 | 3 26 | 2 44 | 8 19 | 0 39 | 12 10 | 7 34 | 26 1 | 2 55 | 11 33 | 1 21 | 10 43 | 2 32 | 23 27 | 0 9 | 19 12 | 1 39 | 15 12 | 13 14 | 11 32 | 12 1 | 8 57 | 2 14 | 3 39 | T 12 |
| W13 | 13 25 | 2s10 | 1 47 | 7 36 | 0 27 | 12 14 | 7 33 | 26 1 | 2 54 | 11 33 | 1 21 | 10 42 | 2 33 | 23 27 | 0 9 | 19 12 | 1 39 | 15 13 | 13 15 | 11 30 | 12 0 | 9 0 | 2 15 | 3 39 | W13 |
| T 14 | 13 5 | 7 39 | 0 46 | 6 54 | 0 14 | 12 18 | 7 32 | 26 0 | 2 53 | 11 33 | 1 21 | 10 42 | 2 33 | 23 27 | 0 9 | 19 12 | 1 39 | 15 14 | 13 15 | 11 29 | 11 58 | 9 3 | 2 16 | 3 39 | T 14 |
| F 15 | 12 44 | 12 49 | 0s17 | 6 12 | 0 1 | 12 22 | 7 30 | 26 0 | 2 53 | 11 33 | 1 22 | 10 42 | 2 33 | 23 27 | 0 9 | 19 12 | 1 39 | 15 14 | 13 15 | 11 29 | 11 57 | 9 6 | 2 17 | 3 39 | F 15 |
| S 16 | 12 24 | 17 33 | 1 19 | 5 32 | 0n13 | 12 26 | 7 28 | 26 0 | 2 52 | 11 32 | 1 22 | 10 41 | 2 33 | 23 27 | 0 9 | 19 12 | 1 39 | 15 15 | 13 15 | 11 29 | 11 56 | 9 10 | 2 18 | 3 38 | S 16 |
| S 17 | 12 3 | 21 38 | 2 18 | 4 53 | 0 28 | 12 30 | 7 25 | 26 0 | 2 51 | 11 32 | 1 22 | 10 41 | 2 34 | 23 27 | 0 9 | 19 12 | 1 39 | 15 16 | 13 16 | 11 30 | 11 55 | 9 13 | 2 20 | 3 38 | S 17 |
| M18 | 11 42 | 24 52 | 3 13 | 4 16 | 0 43 | 12 34 | 7 21 | 26 0 | 2 50 | 11 32 | 1 22 | 10 41 | 2 34 | 23 27 | 0 9 | 19 12 | 1 39 | 15 17 | 13 16 | 11 29 | 11 54 | 9 16 | 2 21 | 3 38 | M18 |
| T 19 | 11 21 | 27 1 | 3 59 | 3 42 | 0 59 | 12 37 | 7 17 | 26 0 | 2 49 | 11 32 | 1 23 | 10 40 | 2 34 | 23 27 | 0 9 | 19 12 | 1 39 | 15 18 | 13 16 | 11 29 | 11 53 | 9 19 | 2 22 | 3 38 | T 19 |
| W20 | 10 59 | 27 50 | 4 35 | 3 11 | 1 15 | 12 41 | 7 13 | 26 0 | 2 48 | 11 31 | 1 23 | 10 40 | 2 34 | 23 27 | 0 9 | 19 12 | 1 39 | 15 18 | 13 16 | 11 27 | 11 52 | 9 22 | 2 23 | 3 38 | W20 |
| T 21 | 10 38 | 27 8 | 4 58 | 2 43 | 1 31 | 12 45 | 7 8 | 26 0 | 2 48 | 11 31 | 1 23 | 10 39 | 2 35 | 23 27 | 0 9 | 19 12 | 1 39 | 15 19 | 13 16 | 11 24 | 11 51 | 9 26 | 2 24 | 3 38 | T 21 |
| F 22 | 10 16 | 24 49 | 5 5 | 2 19 | 1 48 | 12 48 | 7 3 | 26 0 | 2 47 | 11 31 | 1 23 | 10 39 | 2 35 | 23 27 | 0 9 | 19 12 | 1 39 | 15 20 | 13 17 | 11 21 | 11 50 | 9 29 | 2 26 | 3 37 | F 22 |
| S 23 | 9 54 | 20 59 | 4 55 | 1 59 | 2 4 | 12 52 | 6 58 | 26 0 | 2 46 | 11 30 | 1 23 | 10 38 | 2 35 | 23 27 | 0 9 | 19 12 | 1 39 | 15 21 | 13 17 | 11 18 | 11 49 | 9 32 | 2 27 | 3 37 | S 23 |
| S 24 | 9 32 | 15 49 | 4 26 | 1 44 | 2 20 | 12 55 | 6 52 | 25 59 | 2 45 | 11 29 | 1 24 | 10 37 | 2 36 | 23 27 | 0 9 | 19 12 | 1 39 | 15 21 | 13 17 | 11 15 | 11 47 | 9 35 | 2 28 | 3 37 | S 24 |
| M25 | 9 10 | 9 40 | 3 39 | 1 33 | 2 35 | 12 58 | 6 46 | 25 59 | 2 44 | 11 29 | 1 24 | 10 37 | 2 36 | 23 27 | 0 9 | 19 12 | 1 40 | 15 22 | 13 17 | 11 12 | 11 46 | 9 39 | 2 30 | 3 37 | M25 |
| T 26 | 8 47 | 2 55 | 2 37 | 1 28 | 2 49 | 13 1 | 6 40 | 25 59 | 2 43 | 11 28 | 1 24 | 10 36 | 2 36 | 23 27 | 0 9 | 19 12 | 1 40 | 15 23 | 13 17 | 11 10 | 11 45 | 9 42 | 2 31 | 3 37 | T 26 |
| W27 | 8 25 | 4n 0 | 1 24 | 1 28 | 3 2 | 13 3 | 6 33 | 25 59 | 2 42 | 11 27 | 1 24 | 10 35 | 2 36 | 23 27 | 0 9 | 19 12 | 1 40 | 15 24 | 13 18 | 11 9 | 11 44 | 9 45 | 2 32 | 3 37 | W27 |
| T 28 | 8s 2 | 10n40 | 0s 6 | 1s32 | 3n14 | 13s 5 | 6n27 | 25n58 | 2n42 | 11s26 | 1n25 | 10s35 | 2n37 | 23n27 | 0n 9 | 19s12 | 1n40 | 15n24 | 13n18 | 11n 8 | 11n43 | 9s48 | 2n33 | 3n37 | T 28 |

Julian Day Number = 2800017.5, Delta T = 50m00s
Ecliptic obliquity = 23°19'04, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'43, Lahiri = 37°12'43


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# ASTRODIENST EPHEMERIS for the year 2954
# geocentric

## MARCH 2954 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 36 28 | 10♓19'56 | 12♉37 | 17°R44 | 3♒26 | 27♊ 8 | 3°R54 | 4°R43 | 27°R34 | 3♐58 | 21°R51 | 29♈13 | 0♉49 | 26♎36 | 28♓ 9 | F 1 |
| S 2 | 10 40 24 | 11°20'33 | 26°51 | 16♓49 | 3°50 | 27°29 | 3♏52 | 4♏41 | 27♊34 | 3°59 | 21♍49 | 29°14 | 0°46 | 26°43 | 28°12 | S 2 |
| S 3 | 10 44 21 | 12°21'09 | 10♊49 | 15°47 | 4°15 | 27°50 | 3°49 | 4°39 | 27°34 | 3°59 | 21°48 | 29°R15 | 0°43 | 26°50 | 28°16 | S 3 |
| M 4 | 10 48 18 | 13°21'43 | 24°30 | 14°42 | 4°41 | 28°11 | 3°47 | 4°37 | 27°34 | 3°59 | 21°46 | 29°14 | 0°39 | 26°56 | 28°20 | M 4 |
| T 5 | 10 52 14 | 14°22'15 | 7♋57 | 13°35 | 5°10 | 28°33 | 3°44 | 4°35 | 27°34 | 3°59 | 21°45 | 29°12 | 0°36 | 27° 3 | 28°23 | T 5 |
| W 6 | 10 56 11 | 15°22'46 | 21° 8 | 12°26 | 5°40 | 28°55 | 3°41 | 4°33 | 27°D34 | 3°R59 | 21°43 | 29° 7 | 0°33 | 27°10 | 28°27 | W 6 |
| T 7 | 11 0 7 | 16°23'15 | 4♌ 6 | 11°20 | 6°11 | 29°17 | 3°38 | 4°31 | 27°34 | 3°59 | 21°42 | 29° 1 | 0°30 | 27°16 | 28°31 | T 7 |
| F 8 | 11 4 4 | 17°23'42 | 16°52 | 10°16 | 6°44 | 29°40 | 3°34 | 4°29 | 27°34 | 3°59 | 21°40 | 28°54 | 0°27 | 27°23 | 28°35 | F 8 |
| S 9 | 11 8 0 | 18°24'08 | 29°26 | 9°16 | 7°18 | 0♋ 3 | 3°31 | 4°26 | 27°34 | 3°59 | 21°39 | 28°46 | 0°24 | 27°29 | 28°38 | S 9 |
| S 10 | 11 11 57 | 19°24'31 | 11♍48 | 8°21 | 7°54 | 0°26 | 3°27 | 4°24 | 27°34 | 3°58 | 21°37 | 28°39 | 0°20 | 27°36 | 28°42 | S 10 |
| M11 | 11 15 53 | 20°24'53 | 24° 0 | 7°32 | 8°31 | 0°49 | 3°23 | 4°21 | 27°34 | 3°58 | 21°36 | 28°33 | 0°17 | 27°43 | 28°46 | M11 |
| T 12 | 11 19 50 | 21°25'14 | 6♎ 2 | 6°50 | 9° 9 | 1°13 | 3°19 | 4°18 | 27°35 | 3°58 | 21°34 | 28°28 | 0°14 | 27°49 | 28°49 | T 12 |
| W13 | 11 23 47 | 22°25'33 | 17°56 | 6°15 | 9°49 | 1°37 | 3°15 | 4°16 | 27°35 | 3°58 | 21°33 | 28°26 | 0°11 | 27°56 | 28°53 | W13 |
| T 14 | 11 27 43 | 23°25'51 | 29°45 | 5°48 | 10°29 | 2° 2 | 3°10 | 4°13 | 27°35 | 3°58 | 21°31 | 28°D25 | 0° 8 | 28° 3 | 28°57 | T 14 |
| F 15 | 11 31 40 | 24°26'07 | 11♏32 | 5°27 | 11°11 | 2°26 | 3° 6 | 4°10 | 27°36 | 3°57 | 21°29 | 28°26 | 0° 5 | 28° 9 | 29° 1 | F 15 |
| S 16 | 11 35 36 | 25°26'21 | 23°20 | 5°14 | 11°54 | 2°51 | 3° 1 | 4° 7 | 27°36 | 3°57 | 21°28 | 28°28 | 0° 1 | 28°16 | 29° 5 | S 16 |
| S 17 | 11 39 33 | 26°26'34 | 5♐14 | 5°D 8 | 12°37 | 3°16 | 2°56 | 4° 4 | 27°37 | 3°57 | 21°26 | 28°30 | 29♈58 | 28°23 | 29° 8 | S 17 |
| M18 | 11 43 29 | 27°26'46 | 17°18 | 5° 8 | 13°22 | 3°42 | 2°51 | 4° 0 | 27°38 | 3°56 | 21°25 | 28°31 | 29°55 | 28°29 | 29°12 | M18 |
| T 19 | 11 47 26 | 28°26'56 | 29°38 | 5°15 | 14° 8 | 4° 7 | 2°46 | 3°57 | 27°38 | 3°56 | 21°23 | 28°R32 | 29°52 | 28°36 | 29°16 | T 19 |
| W20 | 11 51 22 | 29°27'05 | 12♑17 | 5°27 | 14°55 | 4°33 | 2°41 | 3°54 | 27°39 | 3°55 | 21°22 | 28°31 | 29°49 | 28°43 | 29°20 | W20 |
| T 21 | 11 55 19 | 0♈27'13 | 25°21 | 5°46 | 15°42 | 4°59 | 2°35 | 3°50 | 27°40 | 3°55 | 21°20 | 28°29 | 29°45 | 28°49 | 29°23 | T 21 |
| F 22 | 11 59 15 | 1°27'19 | 8♒51 | 6° 9 | 16°31 | 5°25 | 2°30 | 3°47 | 27°40 | 3°54 | 21°19 | 28°26 | 29°42 | 28°56 | 29°27 | F 22 |
| S 23 | 12 3 12 | 2°27'23 | 22°50 | 6°38 | 17°20 | 5°52 | 2°24 | 3°43 | 27°41 | 3°54 | 21°17 | 28°22 | 29°39 | 29° 3 | 29°31 | S 23 |
| S 24 | 12 7 9 | 3°27'25 | 7♓15 | 7°11 | 18°10 | 6°19 | 2°18 | 3°40 | 27°42 | 3°53 | 21°16 | 28°18 | 29°36 | 29° 9 | 29°35 | S 24 |
| M25 | 12 11 5 | 4°27'26 | 22° 1 | 7°49 | 19° 0 | 6°46 | 2°12 | 3°36 | 27°43 | 3°53 | 21°14 | 28°15 | 29°33 | 29°16 | 29°38 | M25 |
| T 26 | 12 15 2 | 5°27'25 | 7♈ 2 | 8°30 | 19°52 | 7°13 | 2° 6 | 3°32 | 27°44 | 3°52 | 21°13 | 28°13 | 29°30 | 29°22 | 29°42 | T 26 |
| W27 | 12 18 58 | 6°27'22 | 22° 9 | 9°16 | 20°44 | 7°40 | 2° 0 | 3°28 | 27°45 | 3°51 | 21°11 | 28°D11 | 29°26 | 29°29 | 29°46 | W27 |
| T 28 | 12 22 55 | 7°27'18 | 7♉12 | 10° 4 | 21°36 | 8° 8 | 1°53 | 3°24 | 27°46 | 3°51 | 21°10 | 28°12 | 29°23 | 29°36 | 29°50 | T 28 |
| F 29 | 12 26 51 | 8°27'11 | 22° 3 | 10°57 | 22°30 | 8°35 | 1°47 | 3°20 | 27°48 | 3°50 | 21° 8 | 28°12 | 29°20 | 29°42 | 29°54 | F 29 |
| S 30 | 12 30 48 | 9°27'02 | 6♊37 | 11°52 | 23°24 | 9° 3 | 1°40 | 3°16 | 27°49 | 3°49 | 21° 7 | 28°14 | 29°17 | 29°49 | 29°57 | S 30 |
| S 31 | 12 34 44 | 10♈26'52 | 20♊48 | 12♓50 | 24♒18 | 9♋32 | 1♏34 | 3♏12 | 27♊50 | 3♐48 | 21♍ 5 | 28♈15 | 29♈14 | 29♎56 | 0♈ 1 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7s39 | 16n41 | 1n12 | 1s42 | 3n23 | 13s 7 | 6n20 | 25n58 | 2n41 | 11s25 | 1n25 | 10s34 | 2n37 | 23n27 | 0n 9 | 19s12 | 1n40 | 15n25 | 13n18 | 11n 8 | 11n42 | 9s51 | 2n35 | 3n36 |
| S 2 | 7 16 | 21 41 | 2 24 | 1 56 | 3 31 | 13 9 | 6 13 | 25 57 | 2 40 | 11 24 | 1 25 | 10 33 | 2 37 | 23 27 | 0 9 | 19 12 | 1 40 | 15 26 | 13 18 | 11 9 | 11 41 | 9 55 | 2 36 | 3 36 |
| S 3 | 6 54 | 25 21 | 3 25 | 2 15 | 3 36 | 13 10 | 6 6 | 25 57 | 2 39 | 11 23 | 1 25 | 10 32 | 2 37 | 23 27 | 0 9 | 19 12 | 1 40 | 15 27 | 13 18 | 11 9 | 11 40 | 9 58 | 2 37 | 3 36 |
| M 4 | 6 30 | 27 26 | 4 14 | 2 37 | 3 39 | 13 11 | 5 58 | 25 56 | 2 38 | 11 22 | 1 25 | 10 31 | 2 37 | 23 27 | 0 9 | 19 12 | 1 40 | 15 27 | 13 18 | 11 9 | 11 39 | 10 1 | 2 39 | 3 36 |
| T 5 | 6 7 | 27 52 | 4 48 | 3 2 | 3 40 | 13 12 | 5 51 | 25 56 | 2 37 | 11 21 | 1 26 | 10 30 | 2 38 | 23 27 | 0 9 | 19 12 | 1 40 | 15 28 | 13 18 | 11 8 | 11 38 | 10 4 | 2 40 | 3 36 |
| W 6 | 5 44 | 26 42 | 5 6 | 3 29 | 3 39 | 13 12 | 5 43 | 25 55 | 2 36 | 11 20 | 1 26 | 10 29 | 2 38 | 23 27 | 0 9 | 19 12 | 1 40 | 15 29 | 13 19 | 11 6 | 11 36 | 10 7 | 2 41 | 3 36 |
| T 7 | 5 21 | 24 7 | 5 8 | 3 58 | 3 35 | 13 12 | 5 36 | 25 55 | 2 36 | 11 19 | 1 26 | 10 29 | 2 38 | 23 27 | 0 9 | 19 12 | 1 40 | 15 29 | 13 19 | 11 4 | 11 35 | 10 11 | 2 43 | 3 36 |
| F 8 | 4 57 | 20 22 | 4 54 | 4 27 | 3 29 | 13 12 | 5 28 | 25 54 | 2 35 | 11 17 | 1 26 | 10 28 | 2 38 | 23 27 | 0 9 | 19 12 | 1 40 | 15 30 | 13 19 | 11 2 | 11 34 | 10 14 | 2 44 | 3 36 |
| S 9 | 4 34 | 15 46 | 4 26 | 4 56 | 3 22 | 13 11 | 5 20 | 25 53 | 2 34 | 11 16 | 1 27 | 10 27 | 2 39 | 23 27 | 0 9 | 19 12 | 1 40 | 15 31 | 13 19 | 10 59 | 11 33 | 10 17 | 2 46 | 3 36 |
| S 10 | 4 10 | 10 35 | 3 46 | 5 25 | 3 12 | 13 10 | 5 12 | 25 52 | 2 33 | 11 15 | 1 27 | 10 25 | 2 39 | 23 27 | 0 9 | 19 12 | 1 40 | 15 32 | 13 19 | 10 56 | 11 32 | 10 20 | 2 47 | 3 35 |
| M11 | 3 47 | 5 5 | 2 56 | 5 53 | 3 2 | 13 8 | 5 5 | 25 51 | 2 32 | 11 13 | 1 27 | 10 24 | 2 39 | 23 27 | 0 9 | 19 12 | 1 40 | 15 32 | 13 19 | 10 54 | 11 31 | 10 23 | 2 48 | 3 35 |
| T 12 | 3 23 | 0s34 | 1 59 | 6 19 | 2 50 | 13 6 | 4 57 | 25 50 | 2 31 | 11 11 | 1 27 | 10 23 | 2 39 | 23 27 | 0 9 | 19 11 | 1 40 | 15 33 | 13 19 | 10 53 | 11 30 | 10 27 | 2 50 | 3 35 |
| W13 | 2 59 | 6 7 | 0 57 | 6 44 | 2 38 | 13 3 | 4 49 | 25 49 | 2 30 | 11 10 | 1 27 | 10 22 | 2 39 | 23 27 | 0 9 | 19 11 | 1 40 | 15 34 | 13 19 | 10 52 | 11 29 | 10 30 | 2 51 | 3 35 |
| T 14 | 2 36 | 11 27 | 0s 7 | 7 6 | 2 24 | 13 0 | 4 41 | 25 48 | 2 30 | 11 8 | 1 27 | 10 21 | 2 40 | 23 27 | 0 9 | 19 11 | 1 40 | 15 34 | 13 19 | 10 52 | 11 28 | 10 33 | 2 53 | 3 35 |
| F 15 | 2 12 | 16 21 | 1 11 | 7 26 | 2 11 | 12 57 | 4 33 | 25 47 | 2 29 | 11 7 | 1 28 | 10 20 | 2 40 | 23 27 | 0 9 | 19 11 | 1 41 | 15 35 | 13 19 | 10 52 | 11 26 | 10 36 | 2 54 | 3 35 |
| S 16 | 1 48 | 20 39 | 2 12 | 7 44 | 1 57 | 12 53 | 4 25 | 25 45 | 2 28 | 11 5 | 1 28 | 10 19 | 2 40 | 23 27 | 0 9 | 19 11 | 1 41 | 15 36 | 13 19 | 10 52 | 11 25 | 10 39 | 2 55 | 3 35 |
| S 17 | 1 24 | 24 9 | 3 8 | 7 59 | 1 43 | 12 49 | 4 17 | 25 44 | 2 27 | 11 3 | 1 28 | 10 17 | 2 40 | 23 27 | 0 9 | 19 11 | 1 41 | 15 36 | 13 19 | 10 53 | 11 24 | 10 43 | 2 57 | 3 35 |
| M18 | 1 1 | 26 38 | 3 57 | 8 12 | 1 29 | 12 44 | 4 9 | 25 42 | 2 26 | 11 1 | 1 28 | 10 16 | 2 40 | 23 27 | 0 9 | 19 11 | 1 41 | 15 37 | 13 19 | 10 54 | 11 23 | 10 46 | 2 58 | 3 35 |
| T 19 | 0 37 | 27 54 | 4 35 | 8 23 | 1 15 | 12 39 | 4 1 | 25 41 | 2 25 | 10 59 | 1 28 | 10 15 | 2 41 | 23 27 | 0 9 | 19 11 | 1 41 | 15 37 | 13 19 | 10 54 | 11 22 | 10 49 | 3 0 | 3 35 |
| W20 | 0 13 | 27 46 | 5 2 | 8 31 | 1 1 | 12 33 | 3 54 | 25 39 | 2 25 | 10 57 | 1 29 | 10 14 | 2 41 | 23 27 | 0 9 | 19 11 | 1 41 | 15 38 | 13 20 | 10 53 | 11 21 | 10 52 | 3 1 | 3 35 |
| T 21 | 0n11 | 26 6 | 5 14 | 8 37 | 0 48 | 12 27 | 3 46 | 25 37 | 2 24 | 10 55 | 1 29 | 10 12 | 2 41 | 23 27 | 0 9 | 19 10 | 1 41 | 15 39 | 13 20 | 10 53 | 11 20 | 10 55 | 3 2 | 3 35 |
| F 22 | 0 35 | 22 55 | 5 9 | 8 41 | 0 34 | 12 20 | 3 38 | 25 35 | 2 23 | 10 53 | 1 29 | 10 11 | 2 41 | 23 27 | 0 9 | 19 10 | 1 41 | 15 39 | 13 20 | 10 52 | 11 19 | 10 58 | 3 4 | 3 34 |
| S 23 | 0 58 | 18 20 | 4 46 | 8 42 | 0 22 | 12 13 | 3 30 | 25 33 | 2 22 | 10 51 | 1 29 | 10 10 | 2 41 | 23 27 | 0 9 | 19 10 | 1 41 | 15 40 | 13 20 | 10 50 | 11 18 | 11 2 | 3 5 | 3 34 |
| S 24 | 1 22 | 12 36 | 4 5 | 8 41 | 0 9 | 12 6 | 3 23 | 25 31 | 2 21 | 10 49 | 1 29 | 10 8 | 2 42 | 23 27 | 0 9 | 19 10 | 1 41 | 15 40 | 13 20 | 10 49 | 11 16 | 11 5 | 3 7 | 3 34 |
| M25 | 1 46 | 6 0 | 3 6 | 8 39 | 0s 3 | 11 58 | 3 15 | 25 29 | 2 21 | 10 47 | 1 29 | 10 7 | 2 42 | 23 27 | 0 9 | 19 10 | 1 41 | 15 41 | 13 19 | 10 48 | 11 15 | 11 8 | 3 8 | 3 34 |
| T 26 | 2 9 | 1n 2 | 1 54 | 8 34 | 0 14 | 11 49 | 3 7 | 25 27 | 2 20 | 10 45 | 1 29 | 10 5 | 2 42 | 23 27 | 0 9 | 19 10 | 1 41 | 15 42 | 13 19 | 10 47 | 11 14 | 11 11 | 3 10 | 3 34 |
| W27 | 2 33 | 8 4 | 0 33 | 8 27 | 0 26 | 11 40 | 3 0 | 25 25 | 2 19 | 10 42 | 1 30 | 10 4 | 2 42 | 23 27 | 0 9 | 19 9 | 1 41 | 15 42 | 13 19 | 10 47 | 11 13 | 11 14 | 3 11 | 3 34 |
| T 28 | 2 57 | 14 38 | 0n50 | 8 19 | 0 36 | 11 31 | 2 52 | 25 22 | 2 18 | 10 40 | 1 30 | 10 3 | 2 42 | 23 27 | 0 9 | 19 9 | 1 41 | 15 43 | 13 19 | 10 47 | 11 12 | 11 17 | 3 13 | 3 34 |
| F 29 | 3 20 | 20 15 | 2 8 | 8 8 | 0 46 | 11 21 | 2 45 | 25 20 | 2 17 | 10 38 | 1 30 | 10 1 | 2 42 | 23 27 | 0 9 | 19 9 | 1 41 | 15 43 | 13 19 | 10 47 | 11 11 | 11 21 | 3 14 | 3 34 |
| S 30 | 3 44 | 24 32 | 3 17 | 7 57 | 0 56 | 11 10 | 2 37 | 25 17 | 2 17 | 10 35 | 1 30 | 10 0 | 2 42 | 23 27 | 0 9 | 19 9 | 1 41 | 15 44 | 13 19 | 10 47 | 11 10 | 11 24 | 3 15 | 3 34 |
| S 31 | 4n 7 | 27n11 | 4n11 | 7s43 | 1s 5 | 11s 0 | 2n30 | 25n14 | 2n16 | 10s33 | 1n30 | 9s58 | 2n43 | 23n27 | 0n 9 | 19s 9 | 1n41 | 15n44 | 13n19 | 10n48 | 11n 9 | 11s27 | 3n17 | 3n34 |

Julian Day Number = 2800045.5, Delta T = 50m01s
Ecliptic obliquity = 23°19'05, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'46, Lahiri = 37°12'47


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# ASTRODIENST EPHEMERIS for the year 2954
# geocentric

## APRIL 2954 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 38 41 | 11♈26'39 | 4♋37 | 13♓51 | 25♒13 | 10♋ 0 | 1°R27 | 3°R 8 | 27♊52 | 3°R48 | 21°R 4 | 28♈16 | 29♈11 | 0♏ 2 | 0♈ 5 | M 1 |
| T 2 | 12 42 38 | 12°26'23 | 18° 3 | 14°54 | 26° 9 | 10°28 | 1♏20 | 3♏ 4 | 27°53 | 3♐47 | 21♍ 2 | 28°R16 | 29° 7 | 0° 9 | 0° 8 | T 2 |
| W 3 | 12 46 34 | 13°26'06 | 1♌ 9 | 16° 0 | 27° 5 | 10°57 | 1°13 | 3° 0 | 27°54 | 3°46 | 21° 1 | 28°15 | 29° 4 | 0°16 | 0°12 | W 3 |
| T 4 | 12 50 31 | 14°25'46 | 13°55 | 17° 8 | 28° 1 | 11°26 | 1° 6 | 2°56 | 27°56 | 3°45 | 21° 0 | 28°14 | 29° 1 | 0°22 | 0°16 | T 4 |
| F 5 | 12 54 27 | 15°25'24 | 26°26 | 18°18 | 28°59 | 11°55 | 0°59 | 2°51 | 27°57 | 3°44 | 20°58 | 28°12 | 28°58 | 0°29 | 0°19 | F 5 |
| S 6 | 12 58 24 | 16°25'00 | 8♍44 | 19°31 | 29°56 | 12°24 | 0°51 | 2°47 | 27°59 | 3°43 | 20°57 | 28°10 | 28°55 | 0°36 | 0°23 | S 6 |
| S 7 | 13 2 20 | 17°24'33 | 20°52 | 20°45 | 0♓54 | 12°53 | 0°44 | 2°43 | 28° 1 | 3°42 | 20°55 | 28° 9 | 28°51 | 0°42 | 0°27 | S 7 |
| M 8 | 13 6 17 | 18°24'05 | 2♎51 | 22° 1 | 1°52 | 13°22 | 0°37 | 2°38 | 28° 2 | 3°41 | 20°54 | 28° 7 | 28°48 | 0°49 | 0°30 | M 8 |
| T 9 | 13 10 13 | 19°23'34 | 14°45 | 23°20 | 2°51 | 13°52 | 0°29 | 2°34 | 28° 4 | 3°40 | 20°53 | 28° 7 | 28°45 | 0°55 | 0°34 | T 9 |
| W10 | 13 14 10 | 20°23'02 | 26°34 | 24°39 | 3°51 | 14°22 | 0°22 | 2°29 | 28° 6 | 3°39 | 20°51 | 28°D 6 | 28°42 | 1° 2 | 0°38 | W10 |
| T 11 | 13 18 7 | 21°22'27 | 8♏22 | 26° 1 | 4°50 | 14°52 | 0°14 | 2°25 | 28° 7 | 3°38 | 20°50 | 28° 6 | 28°39 | 1° 9 | 0°41 | T 11 |
| F 12 | 13 22 3 | 22°21'51 | 20°10 | 27°24 | 5°50 | 15°21 | 0° 7 | 2°20 | 28° 9 | 3°37 | 20°49 | 28° 7 | 28°36 | 1°15 | 0°45 | F 12 |
| S 13 | 13 26 0 | 23°21'13 | 2♐ 2 | 28°49 | 6°51 | 15°52 | 29♎59 | 2°16 | 28°11 | 3°36 | 20°48 | 28° 7 | 28°32 | 1°22 | 0°48 | S 13 |
| S 14 | 13 29 56 | 24°20'33 | 13°59 | 0♈16 | 7°51 | 16°22 | 29°52 | 2°11 | 28°13 | 3°35 | 20°46 | 28° 8 | 28°29 | 1°29 | 0°52 | S 14 |
| M15 | 13 33 53 | 25°19'51 | 26° 6 | 1°44 | 8°53 | 16°52 | 29°44 | 2° 6 | 28°15 | 3°33 | 20°45 | 28° 8 | 28°26 | 1°35 | 0°55 | M15 |
| T 16 | 13 37 49 | 26°19'08 | 8♑27 | 3°13 | 9°54 | 17°23 | 29°36 | 2° 2 | 28°17 | 3°32 | 20°44 | 28° 8 | 28°23 | 1°42 | 0°59 | T 16 |
| W17 | 13 41 46 | 27°18'23 | 21° 4 | 4°44 | 10°56 | 17°53 | 29°29 | 1°57 | 28°19 | 3°31 | 20°43 | 28° 8 | 28°20 | 1°49 | 1° 2 | W17 |
| T 18 | 13 45 42 | 28°17'36 | 4♒ 3 | 6°17 | 11°58 | 18°24 | 29°21 | 1°53 | 28°21 | 3°30 | 20°42 | 28° 8 | 28°16 | 1°55 | 1° 6 | T 18 |
| F 19 | 13 49 39 | 29°16'48 | 17°25 | 7°51 | 13° 0 | 18°55 | 29°13 | 1°48 | 28°23 | 3°28 | 20°40 | 28° 8 | 28°13 | 2° 2 | 1° 9 | F 19 |
| S 20 | 13 53 36 | 0♉15'57 | 1♓14 | 9°27 | 14° 3 | 19°26 | 29° 5 | 1°43 | 28°26 | 3°27 | 20°39 | 28° 9 | 28°10 | 2° 9 | 1°13 | S 20 |
| S 21 | 13 57 32 | 1°15'05 | 15°29 | 11° 4 | 15° 6 | 19°57 | 28°58 | 1°39 | 28°28 | 3°26 | 20°38 | 28° 9 | 28° 7 | 2°15 | 1°16 | S 21 |
| M22 | 14 1 29 | 2°14'11 | 0♈ 8 | 12°43 | 16° 9 | 20°28 | 28°50 | 1°34 | 28°30 | 3°25 | 20°37 | 28° 9 | 28° 4 | 2°22 | 1°19 | M22 |
| T 23 | 14 5 25 | 3°13'16 | 15° 6 | 14°23 | 17°12 | 20°59 | 28°42 | 1°29 | 28°32 | 3°23 | 20°36 | 28°10 | 28° 1 | 2°28 | 1°23 | T 23 |
| W24 | 14 9 22 | 4°12'18 | 0♉15 | 16° 4 | 18°16 | 21°31 | 28°35 | 1°25 | 28°35 | 3°22 | 20°35 | 28°R10 | 27°57 | 2°35 | 1°26 | W24 |
| T 25 | 14 13 18 | 5°11'19 | 15°28 | 17°47 | 19°20 | 22° 2 | 28°27 | 1°20 | 28°37 | 3°20 | 20°34 | 28° 9 | 27°54 | 2°42 | 1°29 | T 25 |
| F 26 | 14 17 15 | 6°10'17 | 0♊33 | 19°32 | 20°24 | 22°34 | 28°19 | 1°15 | 28°40 | 3°19 | 20°33 | 28° 9 | 27°51 | 2°48 | 1°33 | F 26 |
| S 27 | 14 21 11 | 7° 9'14 | 15°23 | 21°18 | 21°28 | 23° 5 | 28°12 | 1°11 | 28°42 | 3°18 | 20°32 | 28° 8 | 27°48 | 2°55 | 1°36 | S 27 |
| S 28 | 14 25 8 | 8° 8'08 | 29°50 | 23° 5 | 22°33 | 23°37 | 28° 4 | 1° 6 | 28°45 | 3°16 | 20°31 | 28° 7 | 27°45 | 3° 2 | 1°39 | S 28 |
| M29 | 14 29 5 | 9° 7'01 | 13♋52 | 24°55 | 23°38 | 24° 9 | 27°57 | 1° 1 | 28°47 | 3°15 | 20°30 | 28° 6 | 27°42 | 3° 8 | 1°42 | M29 |
| T 30 | 14 33 1 | 10♉ 5'51 | 27♋26 | 26♈45 | 24♓43 | 24♋41 | 27♎49 | 0♏57 | 28♊50 | 3♐13 | 20♍29 | 28♈ 5 | 27♈38 | 3♏15 | 1♈45 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 4n30 | 28n 4 | 4n50 | 7s28 | 1s14 | 10s48 | 2n23 | 25n11 | 2n15 | 10s30 | 1n30 | 9s57 | 2n43 | 23n27 | 0n 9 | 19s 9 | 1n41 | 15n45 | 13n19 | 10n48 | 11n 8 | 11s30 | 3n18 | 3n34 |
| T 2 | 4 53 | 27 15 | 5 11 | 7 11 | 1 22 | 10 37 | 2 16 | 25 8 | 2 14 | 10 28 | 1 30 | 9 55 | 2 43 | 23 27 | 0 9 | 19 8 | 1 41 | 15 45 | 13 19 | 10 48 | 11 6 | 11 33 | 3 20 | 3 34 |
| W 3 | 5 17 | 24 56 | 5 16 | 6 53 | 1 30 | 10 25 | 2 8 | 25 5 | 2 13 | 10 26 | 1 30 | 9 54 | 2 43 | 23 27 | 0 9 | 19 8 | 1 41 | 15 46 | 13 19 | 10 48 | 11 5 | 11 36 | 3 21 | 3 34 |
| T 4 | 5 40 | 21 26 | 5 5 | 6 33 | 1 37 | 10 12 | 2 1 | 25 2 | 2 13 | 10 23 | 1 30 | 9 52 | 2 43 | 23 28 | 0 9 | 19 8 | 1 41 | 15 46 | 13 19 | 10 47 | 11 4 | 11 40 | 3 23 | 3 34 |
| F 5 | 6 3 | 17 1 | 4 39 | 6 12 | 1 44 | 9 59 | 1 54 | 24 59 | 2 12 | 10 20 | 1 30 | 9 51 | 2 43 | 23 28 | 0 9 | 19 8 | 1 42 | 15 47 | 13 19 | 10 47 | 11 3 | 11 43 | 3 24 | 3 34 |
| S 6 | 6 25 | 11 58 | 4 1 | 5 50 | 1 51 | 9 46 | 1 47 | 24 55 | 2 11 | 10 18 | 1 30 | 9 49 | 2 43 | 23 28 | 0 9 | 19 7 | 1 42 | 15 47 | 13 19 | 10 46 | 11 2 | 11 46 | 3 26 | 3 34 |
| S 7 | 6 48 | 6 33 | 3 12 | 5 26 | 1 57 | 9 32 | 1 41 | 24 52 | 2 10 | 10 15 | 1 31 | 9 47 | 2 43 | 23 28 | 0 9 | 19 7 | 1 42 | 15 48 | 13 19 | 10 46 | 11 1 | 11 49 | 3 27 | 3 34 |
| M 8 | 7 11 | 0 57 | 2 16 | 5 1 | 2 2 | 9 17 | 1 34 | 24 48 | 2 10 | 10 13 | 1 31 | 9 46 | 2 43 | 23 28 | 0 9 | 19 7 | 1 42 | 15 48 | 13 18 | 10 45 | 11 0 | 11 52 | 3 28 | 3 34 |
| T 9 | 7 33 | 4s39 | 1 14 | 4 35 | 2 7 | 9 3 | 1 27 | 24 44 | 2 9 | 10 10 | 1 31 | 9 44 | 2 43 | 23 28 | 0 9 | 19 7 | 1 42 | 15 48 | 13 18 | 10 45 | 10 59 | 11 55 | 3 30 | 3 34 |
| W10 | 7 55 | 10 4 | 0 9 | 4 7 | 2 11 | 8 48 | 1 21 | 24 40 | 2 8 | 10 7 | 1 31 | 9 43 | 2 44 | 23 28 | 0 9 | 19 7 | 1 42 | 15 49 | 13 18 | 10 45 | 10 57 | 11 58 | 3 31 | 3 34 |
| T 11 | 8 18 | 15 7 | 0s57 | 3 39 | 2 15 | 8 32 | 1 14 | 24 36 | 2 7 | 10 5 | 1 31 | 9 41 | 2 44 | 23 28 | 0 9 | 19 6 | 1 42 | 15 49 | 13 18 | 10 45 | 10 56 | 12 1 | 3 33 | 3 34 |
| F 12 | 8 40 | 19 37 | 2 0 | 3 9 | 2 19 | 8 16 | 1 8 | 24 32 | 2 7 | 10 2 | 1 31 | 9 40 | 2 44 | 23 28 | 0 9 | 19 6 | 1 42 | 15 50 | 13 18 | 10 45 | 10 55 | 12 5 | 3 34 | 3 34 |
| S 13 | 9 2 | 23 22 | 2 58 | 2 38 | 2 22 | 8 0 | 1 1 | 24 28 | 2 6 | 10 0 | 1 31 | 9 38 | 2 44 | 23 28 | 0 9 | 19 6 | 1 42 | 15 50 | 13 18 | 10 45 | 10 54 | 12 8 | 3 35 | 3 34 |
| S 14 | 9 23 | 26 9 | 3 48 | 2 7 | 2 25 | 7 43 | 0 55 | 24 23 | 2 5 | 9 57 | 1 31 | 9 36 | 2 44 | 23 28 | 0 9 | 19 6 | 1 42 | 15 50 | 13 18 | 10 45 | 10 53 | 12 11 | 3 37 | 3 34 |
| M15 | 9 45 | 27 45 | 4 30 | 1 34 | 2 27 | 7 26 | 0 49 | 24 19 | 2 4 | 9 54 | 1 31 | 9 35 | 2 44 | 23 28 | 0 9 | 19 5 | 1 42 | 15 51 | 13 17 | 10 45 | 10 52 | 12 14 | 3 38 | 3 34 |
| T 16 | 10 6 | 28 2 | 4 59 | 1 0 | 2 28 | 7 9 | 0 43 | 24 14 | 2 4 | 9 51 | 1 31 | 9 33 | 2 44 | 23 28 | 0 9 | 19 5 | 1 42 | 15 51 | 13 17 | 10 46 | 10 51 | 12 17 | 3 40 | 3 34 |
| W17 | 10 28 | 26 52 | 5 15 | 0 25 | 2 29 | 6 51 | 0 37 | 24 10 | 2 3 | 9 49 | 1 31 | 9 32 | 2 44 | 23 28 | 0 9 | 19 5 | 1 42 | 15 51 | 13 17 | 10 46 | 10 50 | 12 20 | 3 41 | 3 34 |
| T 18 | 10 49 | 24 16 | 5 16 | 0n11 | 2 30 | 6 33 | 0 31 | 24 5 | 2 2 | 9 46 | 1 31 | 9 30 | 2 44 | 23 28 | 0 9 | 19 5 | 1 42 | 15 52 | 13 17 | 10 46 | 10 48 | 12 23 | 3 42 | 3 34 |
| F 19 | 11 10 | 20 18 | 5 0 | 0 48 | 2 30 | 6 15 | 0 26 | 24 0 | 2 1 | 9 43 | 1 31 | 9 28 | 2 44 | 23 28 | 0 9 | 19 4 | 1 42 | 15 52 | 13 17 | 10 46 | 10 47 | 12 26 | 3 44 | 3 34 |
| S 20 | 11 30 | 15 8 | 4 27 | 1 26 | 2 30 | 5 56 | 0 20 | 23 55 | 2 1 | 9 41 | 1 31 | 9 27 | 2 44 | 23 28 | 0 9 | 19 4 | 1 42 | 15 52 | 13 17 | 10 46 | 10 46 | 12 30 | 3 45 | 3 34 |
| S 21 | 11 51 | 9 1 | 3 36 | 2 4 | 2 29 | 5 37 | 0 14 | 23 49 | 2 0 | 9 38 | 1 31 | 9 25 | 2 44 | 23 28 | 0 9 | 19 4 | 1 42 | 15 52 | 13 16 | 10 46 | 10 45 | 12 33 | 3 47 | 3 34 |
| M22 | 12 11 | 2 14 | 2 30 | 2 44 | 2 28 | 5 18 | 0 9 | 23 44 | 1 59 | 9 35 | 1 31 | 9 24 | 2 44 | 23 28 | 0 9 | 19 3 | 1 42 | 15 53 | 13 16 | 10 46 | 10 44 | 12 36 | 3 48 | 3 34 |
| T 23 | 12 31 | 4n48 | 1 12 | 3 24 | 2 26 | 4 58 | 0 4 | 23 39 | 1 59 | 9 33 | 1 31 | 9 22 | 2 44 | 23 28 | 0 9 | 19 3 | 1 42 | 15 53 | 13 16 | 10 46 | 10 43 | 12 39 | 3 49 | 3 34 |
| W24 | 12 51 | 11 41 | 0n12 | 4 5 | 2 23 | 4 39 | 0s 2 | 23 33 | 1 58 | 9 30 | 1 31 | 9 20 | 2 44 | 23 28 | 0 9 | 19 3 | 1 42 | 15 53 | 13 16 | 10 46 | 10 42 | 12 42 | 3 51 | 3 34 |
| T 25 | 13 11 | 17 54 | 1 35 | 4 47 | 2 21 | 4 18 | 0 7 | 23 27 | 1 57 | 9 27 | 1 31 | 9 19 | 2 44 | 23 28 | 0 9 | 19 3 | 1 42 | 15 53 | 13 16 | 10 46 | 10 41 | 12 45 | 3 52 | 3 34 |
| F 26 | 13 31 | 22 57 | 2 50 | 5 29 | 2 17 | 3 58 | 0 12 | 23 21 | 1 56 | 9 25 | 1 31 | 9 17 | 2 44 | 23 28 | 0 9 | 19 2 | 1 42 | 15 54 | 13 15 | 10 46 | 10 39 | 12 48 | 3 53 | 3 34 |
| S 27 | 13 50 | 26 23 | 3 53 | 6 12 | 2 14 | 3 37 | 0 17 | 23 15 | 1 56 | 9 22 | 1 31 | 9 16 | 2 44 | 23 28 | 0 9 | 19 2 | 1 42 | 15 54 | 13 15 | 10 45 | 10 38 | 12 51 | 3 55 | 3 34 |
| S 28 | 14 9 | 27 59 | 4 40 | 6 56 | 2 9 | 3 16 | 0 21 | 23 9 | 1 55 | 9 19 | 1 30 | 9 14 | 2 44 | 23 28 | 0 9 | 19 2 | 1 42 | 15 54 | 13 15 | 10 45 | 10 37 | 12 54 | 3 56 | 3 34 |
| M29 | 14 28 | 27 42 | 5 8 | 7 40 | 2 5 | 2 55 | 0 26 | 23 3 | 1 54 | 9 17 | 1 30 | 9 13 | 2 44 | 23 28 | 0 9 | 19 1 | 1 42 | 15 54 | 13 15 | 10 45 | 10 36 | 12 57 | 3 57 | 3 34 |
| T 30 | 14n46 | 25n45 | 5n17 | 8n24 | 1s59 | 2s34 | 0s31 | 22n57 | 1n54 | 9s14 | 1n30 | 9s11 | 2n44 | 23n28 | 0n 9 | 19s 1 | 1n42 | 15n54 | 13n14 | 10n44 | 10n35 | 13s 1 | 3n58 | 3n34 |

Julian Day Number = 2800076.5, Delta T = 50m01s
Ecliptic obliquity = 23°19'05, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'51, Lahiri = 37°12'51


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# ASTRODIENST EPHEMERIS for the year 2954
# geocentric

## MAY 2954 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 36 58 | 11♉ 4'38 | 10♌34 | 28♈37 | 25♓48 | 25♋13 | 27°R42 | 0°R52 | 28♊52 | 3°R12 | 20°R28 | 28°D 4 | 27♈35 | 3♏22 | 1♈48 | W 1 |
| T 2 | 14 40 54 | 12° 3'24 | 23°19 | 0♉31 | 26°53 | 25°45 | 27♎35 | 0♏48 | 28°55 | 3♐10 | 20♍27 | 28♈ 5 | 27°32 | 3°28 | 1°51 | T 2 |
| F 3 | 14 44 51 | 13° 2'07 | 5♍45 | 2°26 | 27°59 | 26°18 | 27°27 | 0°43 | 28°58 | 3° 9 | 20°27 | 28° 6 | 27°29 | 3°35 | 1°54 | F 3 |
| S 4 | 14 48 47 | 14° 0'48 | 17°55 | 4°23 | 29° 4 | 26°50 | 27°20 | 0°39 | 29° 0 | 3° 7 | 20°26 | 28° 7 | 27°26 | 3°42 | 1°58 | S 4 |
| S 5 | 14 52 44 | 14°59'27 | 29°54 | 6°22 | 0♈10 | 27°22 | 27°13 | 0°34 | 29° 3 | 3° 6 | 20°25 | 28° 8 | 27°22 | 3°48 | 2° 0 | S 5 |
| M 6 | 14 56 40 | 15°58'04 | 11♎46 | 8°22 | 1°16 | 27°55 | 27° 6 | 0°30 | 29° 6 | 3° 4 | 20°24 | 28°10 | 27°19 | 3°55 | 2° 3 | M 6 |
| T 7 | 15 0 37 | 16°56'39 | 23°34 | 10°23 | 2°22 | 28°27 | 26°59 | 0°26 | 29° 9 | 3° 3 | 20°24 | 28°R10 | 27°16 | 4° 1 | 2° 6 | T 7 |
| W 8 | 15 4 34 | 17°55'11 | 5♏21 | 12°26 | 3°29 | 29° 0 | 26°52 | 0°21 | 29°12 | 3° 1 | 20°23 | 28°10 | 27°13 | 4° 8 | 2° 9 | W 8 |
| T 9 | 15 8 30 | 18°53'42 | 17°10 | 14°30 | 4°35 | 29°33 | 26°46 | 0°17 | 29°14 | 3° 0 | 20°22 | 28° 9 | 27°10 | 4°15 | 2°12 | T 9 |
| F 10 | 15 12 27 | 19°52'12 | 29° 3 | 16°35 | 5°42 | 0♌ 5 | 26°39 | 0°13 | 29°17 | 2°58 | 20°22 | 28° 7 | 27° 7 | 4°21 | 2°15 | F 10 |
| S 11 | 15 16 23 | 20°50'39 | 11♐ 2 | 18°41 | 6°49 | 0°38 | 26°32 | 0° 9 | 29°20 | 2°57 | 20°21 | 28° 4 | 27° 3 | 4°28 | 2°18 | S 11 |
| S 12 | 15 20 20 | 21°49'05 | 23° 8 | 20°49 | 7°56 | 1°11 | 26°26 | 0° 4 | 29°23 | 2°55 | 20°20 | 28° 0 | 27° 0 | 4°35 | 2°20 | S 12 |
| M13 | 15 24 16 | 22°47'29 | 5♑25 | 22°57 | 9° 3 | 1°44 | 26°20 | 0° 0 | 29°26 | 2°53 | 20°20 | 27°56 | 26°57 | 4°41 | 2°23 | M13 |
| T 14 | 15 28 13 | 23°45'51 | 17°53 | 25° 6 | 10°10 | 2°17 | 26°13 | 29♎56 | 29°29 | 2°52 | 20°19 | 27°52 | 26°54 | 4°48 | 2°26 | T 14 |
| W15 | 15 32 9 | 24°44'12 | 0♒36 | 27°15 | 11°18 | 2°51 | 26° 7 | 29°52 | 29°32 | 2°50 | 20°19 | 27°49 | 26°51 | 4°55 | 2°28 | W15 |
| T 16 | 15 36 6 | 25°42'31 | 13°35 | 29°25 | 12°25 | 3°24 | 26° 1 | 29°48 | 29°35 | 2°49 | 20°18 | 27°47 | 26°48 | 5° 1 | 2°31 | T 16 |
| F 17 | 15 40 3 | 26°40'49 | 26°53 | 1♊34 | 13°33 | 3°57 | 25°56 | 29°44 | 29°38 | 2°47 | 20°18 | 27°D47 | 26°44 | 5° 8 | 2°33 | F 17 |
| S 18 | 15 43 59 | 27°39'06 | 10♓32 | 3°43 | 14°40 | 4°30 | 25°50 | 29°40 | 29°41 | 2°45 | 20°17 | 27°47 | 26°41 | 5°15 | 2°36 | S 18 |
| S 19 | 15 47 56 | 28°37'20 | 24°34 | 5°51 | 15°48 | 5° 4 | 25°44 | 29°37 | 29°45 | 2°44 | 20°17 | 27°49 | 26°38 | 5°21 | 2°38 | S 19 |
| M20 | 15 51 52 | 29°35'34 | 8♈57 | 7°59 | 16°56 | 5°37 | 25°39 | 29°33 | 29°48 | 2°42 | 20°17 | 27°50 | 26°35 | 5°28 | 2°41 | M20 |
| T 21 | 15 55 49 | 0♊33'46 | 23°39 | 10° 5 | 18° 4 | 6°11 | 25°34 | 29°29 | 29°51 | 2°40 | 20°16 | 27°R51 | 26°32 | 5°35 | 2°43 | T 21 |
| W22 | 15 59 45 | 1°31'57 | 8♉36 | 12° 9 | 19°13 | 6°45 | 25°29 | 29°26 | 29°54 | 2°39 | 20°16 | 27°51 | 26°28 | 5°41 | 2°46 | W22 |
| T 23 | 16 3 42 | 2°30'06 | 23°41 | 14°12 | 20°21 | 7°18 | 25°24 | 29°22 | 29°57 | 2°37 | 20°16 | 27°49 | 26°25 | 5°48 | 2°48 | T 23 |
| F 24 | 16 7 38 | 3°28'14 | 8♊44 | 16°13 | 21°29 | 7°52 | 25°19 | 29°19 | 0♋ 1 | 2°36 | 20°15 | 27°45 | 26°22 | 5°54 | 2°50 | F 24 |
| S 25 | 16 11 35 | 4°26'20 | 23°37 | 18°11 | 22°38 | 8°26 | 25°14 | 29°15 | 0° 4 | 2°34 | 20°15 | 27°40 | 26°19 | 6° 1 | 2°52 | S 25 |
| S 26 | 16 15 32 | 5°24'24 | 8♋11 | 20° 7 | 23°46 | 9° 0 | 25° 9 | 29°12 | 0° 7 | 2°32 | 20°15 | 27°34 | 26°16 | 6° 8 | 2°54 | S 26 |
| M27 | 16 19 28 | 6°22'27 | 22°20 | 22° 0 | 24°55 | 9°34 | 25° 5 | 29° 9 | 0°10 | 2°31 | 20°15 | 27°29 | 26°13 | 6°14 | 2°56 | M27 |
| T 28 | 16 23 25 | 7°20'28 | 6♌ 2 | 23°50 | 26° 4 | 10° 8 | 25° 1 | 29° 6 | 0°14 | 2°29 | 20°15 | 27°24 | 26° 9 | 6°21 | 2°59 | T 28 |
| W29 | 16 27 21 | 8°18'27 | 19°16 | 25°37 | 27°12 | 10°42 | 24°57 | 29° 3 | 0°17 | 2°27 | 20°15 | 27°21 | 26° 6 | 6°28 | 3° 1 | W29 |
| T 30 | 16 31 18 | 9°16'24 | 2♍ 4 | 27°21 | 28°21 | 11°16 | 24°53 | 29° 0 | 0°20 | 2°26 | 20°15 | 27°19 | 26° 3 | 6°34 | 3° 3 | T 30 |
| F 31 | 16 35 14 | 10♊14'19 | 14♍31 | 29♊ 2 | 29♈30 | 11♌50 | 24♎49 | 28♎57 | 0♋24 | 2♐24 | 20♍15 | 27°D19 | 26♈ 0 | 6♏41 | 3♈ 4 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15n 5 | 22n28 | 5n10 | 9n10 | 1s53 | 2s12 | 0s35 | 22n50 | 1n53 | 9s12 | 1n30 | 9s 9 | 2n44 | 23n28 | 0n 9 | 19s 1 | 1n42 | 15n54 | 13n14 | 10n44 | 10n34 | 13s 4 | 4n 0 | 3n34 |
| T 2 | 15 23 | 18 12 | 4 47 | 9 55 | 1 47 | 1 50 | 0 40 | 22 43 | 1 52 | 9 9 | 1 30 | 9 8 | 2 44 | 23 28 | 0 9 | 19 1 | 1 42 | 15 54 | 13 14 | 10 44 | 10 33 | 13 7 | 4 1 | 3 34 |
| F 3 | 15 40 | 13 15 | 4 11 | 10 41 | 1 41 | 1 28 | 0 44 | 22 37 | 1 52 | 9 7 | 1 30 | 9 6 | 2 44 | 23 28 | 0 9 | 19 0 | 1 42 | 15 55 | 13 14 | 10 45 | 10 31 | 13 10 | 4 2 | 3 35 |
| S 4 | 15 58 | 7 54 | 3 25 | 11 27 | 1 33 | 1 6 | 0 48 | 22 30 | 1 51 | 9 4 | 1 30 | 9 5 | 2 44 | 23 28 | 0 9 | 19 0 | 1 42 | 15 55 | 13 13 | 10 45 | 10 30 | 13 13 | 4 4 | 3 35 |
| S 5 | 16 15 | 2 20 | 2 30 | 12 13 | 1 26 | 0 44 | 0 52 | 22 23 | 1 50 | 9 2 | 1 30 | 9 4 | 2 44 | 23 28 | 0 9 | 19 0 | 1 42 | 15 55 | 13 13 | 10 46 | 10 29 | 13 16 | 4 5 | 3 35 |
| M 6 | 16 32 | 3s15 | 1 30 | 13 0 | 1 18 | 0 21 | 0 56 | 22 16 | 1 50 | 9 0 | 1 30 | 9 2 | 2 43 | 23 28 | 0 9 | 18 59 | 1 42 | 15 55 | 13 13 | 10 46 | 10 28 | 13 19 | 4 6 | 3 35 |
| T 7 | 16 49 | 8 43 | 0 25 | 13 46 | 1 9 | 0n 1 | 1 0 | 22 9 | 1 49 | 8 57 | 1 30 | 9 1 | 2 43 | 23 28 | 0 9 | 18 59 | 1 42 | 15 55 | 13 13 | 10 46 | 10 27 | 13 22 | 4 7 | 3 35 |
| W 8 | 17 5 | 13 52 | 0s40 | 14 32 | 1 0 | 0 24 | 1 4 | 22 1 | 1 48 | 8 55 | 1 29 | 8 59 | 2 43 | 23 28 | 0 9 | 18 59 | 1 43 | 15 55 | 13 12 | 10 46 | 10 26 | 13 25 | 4 8 | 3 35 |
| T 9 | 17 21 | 18 31 | 1 43 | 15 18 | 0 51 | 0 47 | 1 7 | 21 54 | 1 48 | 8 53 | 1 29 | 8 58 | 2 43 | 23 28 | 0 9 | 18 58 | 1 43 | 15 55 | 13 12 | 10 46 | 10 25 | 13 28 | 4 10 | 3 35 |
| F 10 | 17 37 | 22 29 | 2 42 | 16 3 | 0 41 | 1 10 | 1 11 | 21 46 | 1 47 | 8 50 | 1 29 | 8 56 | 2 43 | 23 28 | 0 9 | 18 58 | 1 43 | 15 55 | 13 12 | 10 45 | 10 24 | 13 31 | 4 11 | 3 35 |
| S 11 | 17 52 | 25 32 | 3 35 | 16 48 | 0 32 | 1 33 | 1 14 | 21 38 | 1 46 | 8 48 | 1 29 | 8 55 | 2 43 | 23 28 | 0 10 | 18 58 | 1 43 | 15 55 | 13 11 | 10 44 | 10 22 | 13 34 | 4 12 | 3 35 |
| S 12 | 18 8 | 27 26 | 4 18 | 17 31 | 0 21 | 1 57 | 1 18 | 21 31 | 1 46 | 8 46 | 1 29 | 8 54 | 2 43 | 23 28 | 0 10 | 18 57 | 1 43 | 15 55 | 13 11 | 10 43 | 10 21 | 13 37 | 4 13 | 3 35 |
| M13 | 18 23 | 28 2 | 4 50 | 18 14 | 0 11 | 2 20 | 1 21 | 21 23 | 1 45 | 8 44 | 1 29 | 8 52 | 2 43 | 23 29 | 0 10 | 18 57 | 1 43 | 15 55 | 13 11 | 10 41 | 10 20 | 13 40 | 4 14 | 3 35 |
| T 14 | 18 37 | 27 14 | 5 9 | 18 56 | 0 1 | 2 43 | 1 24 | 21 14 | 1 44 | 8 42 | 1 29 | 8 51 | 2 43 | 23 29 | 0 10 | 18 57 | 1 43 | 15 55 | 13 11 | 10 40 | 10 19 | 13 43 | 4 15 | 3 35 |
| W15 | 18 51 | 25 1 | 5 14 | 19 37 | 0n10 | 3 7 | 1 27 | 21 6 | 1 44 | 8 40 | 1 28 | 8 50 | 2 42 | 23 29 | 0 10 | 18 57 | 1 43 | 15 55 | 13 10 | 10 39 | 10 18 | 13 47 | 4 17 | 3 35 |
| T 16 | 19 5 | 21 29 | 5 2 | 20 15 | 0 21 | 3 30 | 1 30 | 20 58 | 1 43 | 8 38 | 1 28 | 8 49 | 2 42 | 23 29 | 0 10 | 18 56 | 1 43 | 15 54 | 13 10 | 10 38 | 10 17 | 13 50 | 4 18 | 3 36 |
| F 17 | 19 19 | 16 47 | 4 34 | 20 53 | 0 31 | 3 54 | 1 32 | 20 49 | 1 42 | 8 36 | 1 28 | 8 47 | 2 42 | 23 29 | 0 10 | 18 56 | 1 43 | 15 54 | 13 10 | 10 38 | 10 16 | 13 53 | 4 19 | 3 36 |
| S 18 | 19 32 | 11 8 | 3 51 | 21 28 | 0 42 | 4 18 | 1 35 | 20 41 | 1 42 | 8 34 | 1 28 | 8 46 | 2 42 | 23 29 | 0 10 | 18 56 | 1 43 | 15 54 | 13 9 | 10 38 | 10 14 | 13 56 | 4 20 | 3 36 |
| S 19 | 19 45 | 4 47 | 2 52 | 22 1 | 0 52 | 4 41 | 1 37 | 20 32 | 1 41 | 8 32 | 1 28 | 8 45 | 2 42 | 23 29 | 0 10 | 18 55 | 1 43 | 15 54 | 13 9 | 10 39 | 10 13 | 13 59 | 4 21 | 3 36 |
| M20 | 19 58 | 1n58 | 1 42 | 22 33 | 1 2 | 5 5 | 1 40 | 20 23 | 1 40 | 8 30 | 1 28 | 8 44 | 2 42 | 23 29 | 0 10 | 18 55 | 1 43 | 15 54 | 13 9 | 10 39 | 10 12 | 14 2 | 4 22 | 3 36 |
| T 21 | 20 10 | 8 47 | 0 23 | 23 1 | 1 11 | 5 29 | 1 42 | 20 14 | 1 40 | 8 29 | 1 27 | 8 43 | 2 42 | 23 29 | 0 10 | 18 55 | 1 43 | 15 54 | 13 8 | 10 39 | 10 11 | 14 5 | 4 23 | 3 36 |
| W22 | 20 22 | 15 13 | 0n59 | 23 28 | 1 20 | 5 52 | 1 44 | 20 5 | 1 39 | 8 27 | 1 27 | 8 42 | 2 41 | 23 29 | 0 10 | 18 54 | 1 43 | 15 54 | 13 8 | 10 39 | 10 10 | 14 8 | 4 24 | 3 36 |
| T 23 | 20 33 | 20 48 | 2 16 | 23 52 | 1 29 | 6 16 | 1 46 | 19 56 | 1 38 | 8 25 | 1 27 | 8 41 | 2 41 | 23 29 | 0 10 | 18 54 | 1 43 | 15 54 | 13 8 | 10 39 | 10 9 | 14 11 | 4 25 | 3 36 |
| F 24 | 20 44 | 25 1 | 3 25 | 24 13 | 1 37 | 6 40 | 1 48 | 19 47 | 1 38 | 8 24 | 1 27 | 8 39 | 2 41 | 23 29 | 0 10 | 18 54 | 1 43 | 15 53 | 13 8 | 10 37 | 10 8 | 14 14 | 4 26 | 3 36 |
| S 25 | 20 55 | 27 28 | 4 18 | 24 32 | 1 44 | 7 3 | 1 50 | 19 38 | 1 37 | 8 22 | 1 27 | 8 38 | 2 41 | 23 29 | 0 10 | 18 53 | 1 43 | 15 53 | 13 7 | 10 35 | 10 6 | 14 17 | 4 27 | 3 36 |
| S 26 | 21 6 | 27 57 | 4 53 | 24 48 | 1 51 | 7 27 | 1 52 | 19 28 | 1 36 | 8 21 | 1 26 | 8 37 | 2 41 | 23 29 | 0 10 | 18 53 | 1 43 | 15 53 | 13 7 | 10 33 | 10 5 | 14 20 | 4 28 | 3 36 |
| M27 | 21 16 | 26 34 | 5 10 | 25 2 | 1 57 | 7 50 | 1 53 | 19 18 | 1 36 | 8 19 | 1 26 | 8 37 | 2 41 | 23 29 | 0 10 | 18 53 | 1 43 | 15 53 | 13 7 | 10 31 | 10 4 | 14 23 | 4 29 | 3 37 |
| T 28 | 21 25 | 23 38 | 5 7 | 25 13 | 2 3 | 8 14 | 1 55 | 19 9 | 1 35 | 8 18 | 1 26 | 8 36 | 2 40 | 23 29 | 0 10 | 18 52 | 1 43 | 15 52 | 13 6 | 10 30 | 10 3 | 14 26 | 4 30 | 3 37 |
| W29 | 21 35 | 19 32 | 4 49 | 25 22 | 2 7 | 8 37 | 1 56 | 18 59 | 1 35 | 8 17 | 1 26 | 8 35 | 2 40 | 23 29 | 0 10 | 18 52 | 1 43 | 15 52 | 13 6 | 10 29 | 10 2 | 14 29 | 4 31 | 3 37 |
| T 30 | 21 44 | 14 40 | 4 16 | 25 28 | 2 11 | 9 0 | 1 58 | 18 49 | 1 34 | 8 16 | 1 26 | 8 34 | 2 40 | 23 29 | 0 10 | 18 52 | 1 43 | 15 52 | 13 6 | 10 28 | 10 1 | 14 32 | 4 31 | 3 37 |
| F 31 | 21n52 | 9n19 | 3n32 | 25n33 | 2n14 | 9n23 | 1s59 | 18n39 | 1n33 | 8s14 | 1n25 | 8s33 | 2n40 | 23n29 | 0n10 | 18s52 | 1n43 | 15n52 | 13n 5 | 10n28 | 10n 0 | 14s35 | 4n32 | 3n37 |

Julian Day Number = 2800106.5, Delta T = 50m02s
Ecliptic obliquity = 23°19'04, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'55, Lahiri = 37°12'55


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# ASTRODIENST EPHEMERIS for the year 2954
# geocentric

## JUNE 2954 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 39 11 | 11♊12'13 | 26♍40 | 0♋39 | 0♉39 | 12♌24 | 24°R46 | 28°R54 | 0♋27 | 2°R23 | 20°D15 | 27♈20 | 25♈57 | 6♏48 | 3♈ 6 | S 1 |
| S 2 | 16 43 7 | 12°10'05 | 8♎36 | 2°13 | 1°49 | 12°58 | 24♎42 | 28♎51 | 0°31 | 2♐21 | 20♍15 | 27°21 | 25°54 | 6°54 | 3° 8 | S 2 |
| M 3 | 16 47 4 | 13° 7'55 | 20°26 | 3°44 | 2°58 | 13°33 | 24°39 | 28°48 | 0°34 | 2°19 | 20°15 | 27°22 | 25°50 | 7° 1 | 3°10 | M 3 |
| T 4 | 16 51 1 | 14° 5'44 | 2♏12 | 5°11 | 4° 7 | 14° 7 | 24°36 | 28°46 | 0°37 | 2°18 | 20°15 | 27°R22 | 25°47 | 7° 8 | 3°12 | T 4 |
| W 5 | 16 54 57 | 15° 3'31 | 14° 0 | 6°35 | 5°16 | 14°41 | 24°33 | 28°43 | 0°41 | 2°16 | 20°15 | 27°21 | 25°44 | 7°14 | 3°13 | W 5 |
| T 6 | 16 58 54 | 16° 1'17 | 25°53 | 7°55 | 6°26 | 15°16 | 24°30 | 28°41 | 0°44 | 2°15 | 20°15 | 27°17 | 25°41 | 7°21 | 3°15 | T 6 |
| F 7 | 17 2 50 | 16°59'01 | 7♐53 | 9°12 | 7°35 | 15°50 | 24°28 | 28°39 | 0°48 | 2°13 | 20°15 | 27°11 | 25°38 | 7°28 | 3°17 | F 7 |
| S 8 | 17 6 47 | 17°56'45 | 20° 3 | 10°25 | 8°45 | 16°25 | 24°26 | 28°36 | 0°51 | 2°12 | 20°16 | 27° 4 | 25°34 | 7°34 | 3°18 | S 8 |
| S 9 | 17 10 43 | 18°54'26 | 2♑23 | 11°34 | 9°55 | 17° 0 | 24°23 | 28°34 | 0°55 | 2°10 | 20°16 | 26°55 | 25°31 | 7°41 | 3°20 | S 9 |
| M10 | 17 14 40 | 19°52'07 | 14°55 | 12°39 | 11° 4 | 17°34 | 24°21 | 28°32 | 0°58 | 2° 8 | 20°16 | 26°45 | 25°28 | 7°47 | 3°21 | M10 |
| T 11 | 17 18 37 | 20°49'47 | 27°38 | 13°41 | 12°14 | 18° 9 | 24°20 | 28°30 | 1° 2 | 2° 7 | 20°16 | 26°36 | 25°25 | 7°54 | 3°22 | T 11 |
| W12 | 17 22 33 | 21°47'25 | 10♒34 | 14°39 | 13°24 | 18°44 | 24°18 | 28°28 | 1° 5 | 2° 5 | 20°17 | 26°28 | 25°22 | 8° 1 | 3°24 | W12 |
| T 13 | 17 26 30 | 22°45'03 | 23°43 | 15°32 | 14°34 | 19°18 | 24°16 | 28°27 | 1° 9 | 2° 4 | 20°17 | 26°23 | 25°19 | 8° 7 | 3°25 | T 13 |
| F 14 | 17 30 26 | 23°42'39 | 7♓ 6 | 16°22 | 15°44 | 19°53 | 24°15 | 28°25 | 1°12 | 2° 2 | 20°17 | 26°19 | 25°15 | 8°14 | 3°26 | F 14 |
| S 15 | 17 34 23 | 24°40'15 | 20°44 | 17° 8 | 16°54 | 20°28 | 24°14 | 28°23 | 1°16 | 2° 1 | 20°18 | 26°D18 | 25°12 | 8°21 | 3°27 | S 15 |
| S 16 | 17 38 19 | 25°37'50 | 4♈37 | 17°49 | 18° 4 | 21° 3 | 24°13 | 28°22 | 1°19 | 1°59 | 20°18 | 26°18 | 25° 9 | 8°27 | 3°29 | S 16 |
| M17 | 17 42 16 | 26°35'24 | 18°46 | 18°26 | 19°14 | 21°38 | 24°12 | 28°20 | 1°23 | 1°58 | 20°19 | 26°R19 | 25° 6 | 8°34 | 3°30 | M17 |
| T 18 | 17 46 12 | 27°32'57 | 3♉10 | 18°59 | 20°24 | 22°13 | 24°12 | 28°19 | 1°26 | 1°57 | 20°19 | 26°19 | 25° 3 | 8°41 | 3°31 | T 18 |
| W19 | 17 50 9 | 28°30'30 | 17°47 | 19°27 | 21°35 | 22°48 | 24°12 | 28°18 | 1°30 | 1°55 | 20°20 | 26°17 | 25° 0 | 8°47 | 3°32 | W19 |
| T 20 | 17 54 6 | 29°28'02 | 2♊31 | 19°51 | 22°45 | 23°23 | 24°11 | 28°17 | 1°33 | 1°54 | 20°20 | 26°13 | 24°56 | 8°54 | 3°32 | T 20 |
| F 21 | 17 58 2 | 0♋25'34 | 17°17 | 20°10 | 23°55 | 23°58 | 24°D11 | 28°16 | 1°37 | 1°52 | 20°21 | 26° 6 | 24°53 | 9° 1 | 3°33 | F 21 |
| S 22 | 18 1 59 | 1°23'04 | 1♋57 | 20°25 | 25° 6 | 24°33 | 24°11 | 28°15 | 1°40 | 1°51 | 20°22 | 25°58 | 24°50 | 9° 7 | 3°34 | S 22 |
| S 23 | 18 5 55 | 2°20'34 | 16°24 | 20°35 | 26°16 | 25° 9 | 24°12 | 28°14 | 1°44 | 1°50 | 20°22 | 25°48 | 24°47 | 9°14 | 3°35 | S 23 |
| M24 | 18 9 52 | 3°18'02 | 0♌30 | 20°41 | 27°27 | 25°44 | 24°12 | 28°13 | 1°48 | 1°48 | 20°23 | 25°37 | 24°44 | 9°21 | 3°36 | M24 |
| T 25 | 18 13 48 | 4°15'30 | 14°11 | 20°R42 | 28°37 | 26°19 | 24°13 | 28°13 | 1°51 | 1°47 | 20°24 | 25°28 | 24°40 | 9°27 | 3°36 | T 25 |
| W26 | 18 17 45 | 5°12'56 | 27°27 | 20°38 | 29°48 | 26°55 | 24°14 | 28°12 | 1°55 | 1°46 | 20°24 | 25°21 | 24°37 | 9°34 | 3°37 | W26 |
| T 27 | 18 21 41 | 6°10'22 | 10♍17 | 20°31 | 0♊59 | 27°30 | 24°15 | 28°12 | 1°58 | 1°44 | 20°25 | 25°16 | 24°34 | 9°41 | 3°37 | T 27 |
| F 28 | 18 25 38 | 7° 7'46 | 22°45 | 20°19 | 2° 9 | 28° 5 | 24°16 | 28°12 | 2° 2 | 1°43 | 20°26 | 25°13 | 24°31 | 9°47 | 3°38 | F 28 |
| S 29 | 18 29 35 | 8° 5'09 | 4♎55 | 20° 2 | 3°20 | 28°41 | 24°18 | 28°11 | 2° 5 | 1°42 | 20°27 | 25°D12 | 24°28 | 9°54 | 3°38 | S 29 |
| S 30 | 18 33 31 | 9♋ 2'32 | 16♎52 | 19♋43 | 4♊31 | 29♌16 | 24♎19 | 28°D11 | 2♋ 9 | 1♐41 | 20♍28 | 25♈12 | 24♈25 | 10♏ 0 | 3♈39 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n 0 | 3n45 | 2n39 | 25n35 | 2n16 | 9n46 | 2s 0 | 18n29 | 1n33 | 8s13 | 1n25 | 8s32 | 2n40 | 23n29 | 0n10 | 18s51 | 1n43 | 15n51 | 13n 5 | 10n28 | 9n58 | 14s38 | 4n33 | 3n37 |
| S 2 | 22 8 | 1s52 | 1 40 | 25 35 | 2 17 | 10 9 | 2 1 | 18 18 | 1 32 | 8 12 | 1 25 | 8 31 | 2 40 | 23 29 | 0 10 | 18 51 | 1 43 | 15 51 | 13 5 | 10 29 | 9 57 | 14 41 | 4 34 | 3 37 |
| M 3 | 22 16 | 7 22 | 0 38 | 25 33 | 2 17 | 10 31 | 2 2 | 18 8 | 1 31 | 8 11 | 1 25 | 8 31 | 2 39 | 23 29 | 0 10 | 18 51 | 1 43 | 15 51 | 13 4 | 10 29 | 9 56 | 14 44 | 4 35 | 3 37 |
| T 4 | 22 23 | 12 35 | 0s26 | 25 30 | 2 17 | 10 54 | 2 3 | 17 57 | 1 31 | 8 10 | 1 24 | 8 30 | 2 39 | 23 29 | 0 10 | 18 50 | 1 43 | 15 50 | 13 4 | 10 29 | 9 55 | 14 47 | 4 36 | 3 38 |
| W 5 | 22 29 | 17 22 | 1 29 | 25 24 | 2 15 | 11 16 | 2 3 | 17 47 | 1 30 | 8 10 | 1 24 | 8 29 | 2 39 | 23 29 | 0 10 | 18 50 | 1 43 | 15 50 | 13 4 | 10 29 | 9 54 | 14 50 | 4 36 | 3 38 |
| T 6 | 22 35 | 21 31 | 2 28 | 25 18 | 2 13 | 11 38 | 2 4 | 17 36 | 1 30 | 8 9 | 1 24 | 8 29 | 2 39 | 23 29 | 0 10 | 18 50 | 1 43 | 15 50 | 13 3 | 10 27 | 9 53 | 14 53 | 4 37 | 3 38 |
| F 7 | 22 41 | 24 49 | 3 21 | 25 9 | 2 10 | 12 0 | 2 5 | 17 25 | 1 29 | 8 8 | 1 24 | 8 28 | 2 38 | 23 29 | 0 10 | 18 49 | 1 42 | 15 49 | 13 3 | 10 25 | 9 51 | 14 56 | 4 38 | 3 38 |
| S 8 | 22 46 | 27 1 | 4 5 | 25 0 | 2 6 | 12 22 | 2 5 | 17 14 | 1 28 | 8 8 | 1 23 | 8 27 | 2 38 | 23 29 | 0 10 | 18 49 | 1 42 | 15 49 | 13 3 | 10 22 | 9 50 | 14 59 | 4 39 | 3 38 |
| S 9 | 22 51 | 27 56 | 4 39 | 24 49 | 2 1 | 12 44 | 2 5 | 17 3 | 1 28 | 8 7 | 1 23 | 8 27 | 2 38 | 23 29 | 0 10 | 18 49 | 1 42 | 15 48 | 13 2 | 10 19 | 9 49 | 15 2 | 4 39 | 3 38 |
| M10 | 22 56 | 27 27 | 4 59 | 24 37 | 1 55 | 13 5 | 2 5 | 16 52 | 1 27 | 8 7 | 1 23 | 8 26 | 2 38 | 23 29 | 0 10 | 18 49 | 1 42 | 15 48 | 13 2 | 10 16 | 9 48 | 15 5 | 4 40 | 3 38 |
| T 11 | 23 0 | 25 31 | 5 6 | 24 25 | 1 48 | 13 26 | 2 6 | 16 41 | 1 26 | 8 6 | 1 23 | 8 26 | 2 38 | 23 29 | 0 10 | 18 48 | 1 42 | 15 48 | 13 2 | 10 13 | 9 47 | 15 8 | 4 41 | 3 38 |
| W12 | 23 4 | 22 15 | 4 57 | 24 11 | 1 41 | 13 47 | 2 6 | 16 30 | 1 26 | 8 6 | 1 22 | 8 25 | 2 37 | 23 28 | 0 10 | 18 48 | 1 42 | 15 47 | 13 1 | 10 10 | 9 46 | 15 11 | 4 41 | 3 39 |
| T 13 | 23 7 | 17 49 | 4 32 | 23 57 | 1 32 | 14 8 | 2 5 | 16 18 | 1 25 | 8 5 | 1 22 | 8 25 | 2 37 | 23 28 | 0 10 | 18 48 | 1 42 | 15 47 | 13 1 | 10 8 | 9 45 | 15 14 | 4 42 | 3 39 |
| F 14 | 23 10 | 12 27 | 3 52 | 23 41 | 1 23 | 14 28 | 2 5 | 16 7 | 1 25 | 8 5 | 1 22 | 8 25 | 2 37 | 23 28 | 0 10 | 18 48 | 1 42 | 15 46 | 13 1 | 10 7 | 9 43 | 15 17 | 4 43 | 3 39 |
| S 15 | 23 13 | 6 24 | 2 59 | 23 26 | 1 13 | 14 48 | 2 5 | 15 55 | 1 24 | 8 5 | 1 22 | 8 24 | 2 37 | 23 28 | 0 10 | 18 47 | 1 42 | 15 46 | 13 0 | 10 6 | 9 42 | 15 20 | 4 43 | 3 39 |
| S 16 | 23 15 | 0n 5 | 1 53 | 23 10 | 1 2 | 15 8 | 2 5 | 15 44 | 1 23 | 8 5 | 1 21 | 8 24 | 2 36 | 23 28 | 0 10 | 18 47 | 1 42 | 15 45 | 13 0 | 10 6 | 9 41 | 15 23 | 4 44 | 3 39 |
| M17 | 23 16 | 6 42 | 0 40 | 22 53 | 0 50 | 15 27 | 2 4 | 15 32 | 1 23 | 8 5 | 1 21 | 8 24 | 2 36 | 23 28 | 0 10 | 18 47 | 1 42 | 15 45 | 13 0 | 10 6 | 9 40 | 15 25 | 4 44 | 3 39 |
| T 18 | 23 18 | 13 5 | 0n37 | 22 36 | 0 38 | 15 46 | 2 4 | 15 20 | 1 22 | 8 5 | 1 21 | 8 24 | 2 36 | 23 28 | 0 10 | 18 46 | 1 42 | 15 44 | 12 59 | 10 6 | 9 39 | 15 28 | 4 45 | 3 39 |
| W19 | 23 19 | 18 50 | 1 52 | 22 19 | 0 24 | 16 5 | 2 3 | 15 8 | 1 22 | 8 5 | 1 21 | 8 23 | 2 36 | 23 28 | 0 10 | 18 46 | 1 42 | 15 44 | 12 59 | 10 6 | 9 38 | 15 31 | 4 45 | 3 39 |
| T 20 | 23 19 | 23 31 | 3 1 | 22 2 | 0 11 | 16 23 | 2 2 | 14 56 | 1 21 | 8 5 | 1 20 | 8 23 | 2 35 | 23 28 | 0 10 | 18 46 | 1 42 | 15 43 | 12 59 | 10 4 | 9 36 | 15 34 | 4 46 | 3 40 |
| F 21 | 23 19 | 26 39 | 3 57 | 21 45 | 0s 4 | 16 42 | 2 2 | 14 44 | 1 20 | 8 5 | 1 20 | 8 23 | 2 35 | 23 28 | 0 10 | 18 46 | 1 42 | 15 43 | 12 58 | 10 2 | 9 35 | 15 37 | 4 46 | 3 40 |
| S 22 | 23 19 | 27 55 | 4 37 | 21 28 | 0 19 | 16 59 | 2 1 | 14 31 | 1 20 | 8 6 | 1 20 | 8 23 | 2 35 | 23 28 | 0 10 | 18 45 | 1 42 | 15 42 | 12 58 | 9 59 | 9 34 | 15 40 | 4 47 | 3 40 |
| S 23 | 23 18 | 27 16 | 4 59 | 21 11 | 0 35 | 17 17 | 2 0 | 14 19 | 1 19 | 8 6 | 1 20 | 8 23 | 2 35 | 23 28 | 0 10 | 18 45 | 1 42 | 15 42 | 12 58 | 9 55 | 9 33 | 15 43 | 4 47 | 3 40 |
| M24 | 23 17 | 24 51 | 5 2 | 20 54 | 0 51 | 17 34 | 1 59 | 14 7 | 1 19 | 8 6 | 1 19 | 8 23 | 2 34 | 23 28 | 0 10 | 18 45 | 1 42 | 15 41 | 12 57 | 9 51 | 9 32 | 15 46 | 4 47 | 3 40 |
| T 25 | 23 15 | 21 4 | 4 47 | 20 37 | 1 8 | 17 50 | 1 58 | 13 54 | 1 18 | 8 7 | 1 19 | 8 23 | 2 34 | 23 28 | 0 10 | 18 45 | 1 42 | 15 41 | 12 57 | 9 48 | 9 31 | 15 49 | 4 48 | 3 40 |
| W26 | 23 13 | 16 19 | 4 17 | 20 21 | 1 24 | 18 6 | 1 57 | 13 42 | 1 17 | 8 8 | 1 19 | 8 23 | 2 34 | 23 28 | 0 10 | 18 45 | 1 42 | 15 40 | 12 57 | 9 45 | 9 30 | 15 52 | 4 48 | 3 40 |
| T 27 | 23 10 | 11 0 | 3 35 | 20 5 | 1 41 | 18 22 | 1 55 | 13 29 | 1 17 | 8 8 | 1 19 | 8 23 | 2 34 | 23 28 | 0 10 | 18 44 | 1 42 | 15 39 | 12 57 | 9 44 | 9 28 | 15 55 | 4 49 | 3 41 |
| F 28 | 23 8 | 5 22 | 2 44 | 19 50 | 1 58 | 18 37 | 1 54 | 13 16 | 1 16 | 8 9 | 1 18 | 8 23 | 2 33 | 23 28 | 0 10 | 18 44 | 1 42 | 15 39 | 12 56 | 9 43 | 9 27 | 15 58 | 4 49 | 3 41 |
| S 29 | 23 4 | 0s20 | 1 46 | 19 36 | 2 15 | 18 52 | 1 53 | 13 3 | 1 16 | 8 10 | 1 18 | 8 23 | 2 33 | 23 28 | 0 10 | 18 44 | 1 42 | 15 38 | 12 56 | 9 42 | 9 26 | 16 1 | 4 49 | 3 41 |
| S 30 | 23n 1 | 5s55 | 0n44 | 19n22 | 2s32 | 19n 7 | 1s51 | 12n50 | 1n15 | 8s10 | 1n18 | 8s24 | 2n33 | 23n28 | 0n10 | 18s44 | 1n42 | 15n38 | 12n56 | 9n42 | 9n25 | 16s 4 | 4n49 | 3n41 |

Julian Day Number = 2800137.5, Delta T = 50m02s
Ecliptic obliquity = 23°19'04, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°05'59, Lahiri = 37°13'00


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# ASTRODIENST EPHEMERIS for the year 2954
# geocentric

## JULY 2954 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 37 28 | 9♋59'53 | 28♎42 | 19°R19 | 5♊42 | 29♌52 | 24♎21 | 28♎11 | 2♋12 | 1°R39 | 20♍29 | 25°R12 | 24♈21 | 10♏ 7 | 3♈39 | M 1 |
| T 2 | 18 41 24 | 10°57'14 | 10♏30 | 18♋53 | 6°53 | 0♍28 | 24°23 | 28°11 | 2°16 | 1♐38 | 20°30 | 25♈11 | 24°18 | 10°14 | 3°39 | T 2 |
| W 3 | 18 45 21 | 11°54'34 | 22°21 | 18°24 | 8° 4 | 1° 3 | 24°25 | 28°12 | 2°19 | 1°37 | 20°30 | 25° 8 | 24°15 | 10°20 | 3°39 | W 3 |
| T 4 | 18 49 17 | 12°51'53 | 4♐18 | 17°52 | 9°15 | 1°39 | 24°27 | 28°12 | 2°23 | 1°36 | 20°31 | 25° 3 | 24°12 | 10°27 | 3°40 | T 4 |
| F 5 | 18 53 14 | 13°49'12 | 16°27 | 17°19 | 10°26 | 2°15 | 24°30 | 28°12 | 2°26 | 1°35 | 20°32 | 24°55 | 24° 9 | 10°34 | 3°40 | F 5 |
| S 6 | 18 57 10 | 14°46'30 | 28°48 | 16°45 | 11°37 | 2°50 | 24°33 | 28°13 | 2°30 | 1°34 | 20°33 | 24°45 | 24° 6 | 10°40 | 3°R40 | S 6 |
| S 7 | 19 1 7 | 15°43'47 | 11♑24 | 16°11 | 12°48 | 3°26 | 24°35 | 28°13 | 2°33 | 1°33 | 20°35 | 24°33 | 24° 2 | 10°47 | 3°40 | S 7 |
| M 8 | 19 5 4 | 16°41'04 | 24°14 | 15°36 | 13°59 | 4° 2 | 24°38 | 28°14 | 2°37 | 1°32 | 20°36 | 24°20 | 23°59 | 10°54 | 3°40 | M 8 |
| T 9 | 19 9 0 | 17°38'20 | 7♒17 | 15° 2 | 15°10 | 4°38 | 24°41 | 28°15 | 2°40 | 1°31 | 20°37 | 24° 8 | 23°56 | 11° 0 | 3°39 | T 9 |
| W10 | 19 12 57 | 18°35'36 | 20°34 | 14°29 | 16°21 | 5°14 | 24°45 | 28°16 | 2°44 | 1°30 | 20°38 | 23°57 | 23°53 | 11° 7 | 3°39 | W10 |
| T 11 | 19 16 53 | 19°32'52 | 4♓ 1 | 13°58 | 17°33 | 5°50 | 24°48 | 28°17 | 2°47 | 1°29 | 20°39 | 23°49 | 23°50 | 11°14 | 3°39 | T 11 |
| F 12 | 19 20 50 | 20°30'08 | 17°39 | 13°29 | 18°44 | 6°26 | 24°52 | 28°18 | 2°50 | 1°28 | 20°40 | 23°44 | 23°46 | 11°20 | 3°39 | F 12 |
| S 13 | 19 24 46 | 21°27'23 | 1♈26 | 13° 3 | 19°55 | 7° 2 | 24°56 | 28°19 | 2°54 | 1°27 | 20°41 | 23°41 | 23°43 | 11°27 | 3°38 | S 13 |
| S 14 | 19 28 43 | 22°24'39 | 15°21 | 12°41 | 21° 7 | 7°38 | 25° 0 | 28°20 | 2°57 | 1°26 | 20°43 | 23°41 | 23°40 | 11°34 | 3°38 | S 14 |
| M15 | 19 32 40 | 23°21'55 | 29°24 | 12°22 | 22°18 | 8°14 | 25° 4 | 28°22 | 3° 1 | 1°25 | 20°44 | 23°41 | 23°37 | 11°40 | 3°38 | M15 |
| T 16 | 19 36 36 | 24°19'11 | 13♉36 | 12° 7 | 23°30 | 8°50 | 25° 8 | 28°23 | 3° 4 | 1°24 | 20°45 | 23°40 | 23°34 | 11°47 | 3°37 | T 16 |
| W17 | 19 40 33 | 25°16'27 | 27°54 | 11°56 | 24°41 | 9°26 | 25°12 | 28°25 | 3° 7 | 1°23 | 20°46 | 23°38 | 23°31 | 11°54 | 3°37 | W17 |
| T 18 | 19 44 29 | 26°13'43 | 12♊15 | 11°50 | 25°53 | 10° 2 | 25°17 | 28°27 | 3°11 | 1°23 | 20°48 | 23°33 | 23°27 | 12° 0 | 3°36 | T 18 |
| F 19 | 19 48 26 | 27°11'00 | 26°37 | 11°D49 | 27° 5 | 10°38 | 25°22 | 28°28 | 3°14 | 1°22 | 20°49 | 23°25 | 23°24 | 12° 7 | 3°35 | F 19 |
| S 20 | 19 52 22 | 28° 8'16 | 10♋54 | 11°52 | 28°16 | 11°15 | 25°27 | 28°30 | 3°17 | 1°21 | 20°50 | 23°15 | 23°21 | 12°14 | 3°35 | S 20 |
| S 21 | 19 56 19 | 29° 5'33 | 25° 0 | 12° 1 | 29°28 | 11°51 | 25°32 | 28°32 | 3°21 | 1°21 | 20°52 | 23° 4 | 23°18 | 12°20 | 3°34 | S 21 |
| M22 | 20 0 15 | 0♌ 2'49 | 8♌50 | 12°15 | 0♋40 | 12°27 | 25°37 | 28°34 | 3°24 | 1°20 | 20°53 | 22°52 | 23°15 | 12°27 | 3°33 | M22 |
| T 23 | 20 4 12 | 1° 0'06 | 22°21 | 12°33 | 1°52 | 13° 4 | 25°42 | 28°37 | 3°27 | 1°19 | 20°55 | 22°41 | 23°12 | 12°33 | 3°32 | T 23 |
| W24 | 20 8 9 | 1°57'22 | 5♍29 | 12°57 | 3° 4 | 13°40 | 25°48 | 28°39 | 3°30 | 1°19 | 20°56 | 22°32 | 23° 8 | 12°40 | 3°31 | W24 |
| T 25 | 20 12 5 | 2°54'38 | 18°16 | 13°26 | 4°15 | 14°17 | 25°53 | 28°41 | 3°34 | 1°18 | 20°58 | 22°25 | 23° 5 | 12°47 | 3°30 | T 25 |
| F 26 | 20 16 2 | 3°51'54 | 0♎42 | 14° 0 | 5°27 | 14°53 | 25°59 | 28°44 | 3°37 | 1°17 | 20°59 | 22°22 | 23° 2 | 12°53 | 3°29 | F 26 |
| S 27 | 20 19 58 | 4°49'10 | 12°52 | 14°40 | 6°39 | 15°30 | 26° 5 | 28°46 | 3°40 | 1°17 | 21° 1 | 22°20 | 22°59 | 13° 0 | 3°28 | S 27 |
| S 28 | 20 23 55 | 5°46'26 | 24°50 | 15°24 | 7°51 | 16° 6 | 26°11 | 28°49 | 3°43 | 1°16 | 21° 2 | 22°D20 | 22°56 | 13° 7 | 3°27 | S 28 |
| M29 | 20 27 51 | 6°43'42 | 6♏41 | 16°13 | 9° 3 | 16°43 | 26°18 | 28°52 | 3°46 | 1°16 | 21° 4 | 22°R20 | 22°52 | 13°13 | 3°26 | M29 |
| T 30 | 20 31 48 | 7°40'58 | 18°30 | 17° 7 | 10°15 | 17°20 | 26°24 | 28°54 | 3°49 | 1°16 | 21° 5 | 22°19 | 22°49 | 13°20 | 3°24 | T 30 |
| W31 | 20 35 44 | 8♌38'14 | 0♐22 | 18♋ 7 | 11♋28 | 17♍56 | 26♎30 | 28♎57 | 3♋52 | 1♐15 | 21♍ 7 | 22♈17 | 22♈46 | 13♏27 | 3♈23 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n57 | 11s15 | 0s19 | 19n 9 | 2s49 | 19n21 | 1s50 | 12n37 | 1n15 | 8s11 | 1n18 | 8s24 | 2n33 | 23n28 | 0n10 | 18s44 | 1n42 | 15n37 | 12n55 | 9n42 | 9n24 | 16s 6 | 4n50 | 3n41 |
| T 2 | 22 52 | 16 10 | 1 20 | 18 57 | 3 5 | 19 34 | 1 48 | 12 24 | 1 14 | 8 12 | 1 17 | 8 24 | 2 32 | 23 28 | 0 10 | 18 43 | 1 42 | 15 36 | 12 55 | 9 42 | 9 23 | 16 9 | 4 50 | 3 41 |
| W 3 | 22 47 | 20 30 | 2 19 | 18 46 | 3 20 | 19 47 | 1 46 | 12 11 | 1 13 | 8 13 | 1 17 | 8 24 | 2 32 | 23 28 | 0 10 | 18 43 | 1 42 | 15 36 | 12 55 | 9 41 | 9 21 | 16 12 | 4 50 | 3 41 |
| T 4 | 22 42 | 24 2 | 3 11 | 18 35 | 3 34 | 20 0 | 1 45 | 11 58 | 1 13 | 8 14 | 1 17 | 8 25 | 2 32 | 23 28 | 0 10 | 18 43 | 1 42 | 15 35 | 12 54 | 9 39 | 9 20 | 16 15 | 4 50 | 3 42 |
| F 5 | 22 36 | 26 33 | 3 56 | 18 26 | 3 48 | 20 12 | 1 43 | 11 45 | 1 12 | 8 15 | 1 17 | 8 25 | 2 32 | 23 28 | 0 10 | 18 43 | 1 42 | 15 34 | 12 54 | 9 36 | 9 19 | 16 18 | 4 50 | 3 42 |
| S 6 | 22 30 | 27 49 | 4 31 | 18 18 | 4 0 | 20 24 | 1 41 | 11 31 | 1 12 | 8 17 | 1 16 | 8 26 | 2 31 | 23 28 | 0 10 | 18 43 | 1 42 | 15 34 | 12 54 | 9 32 | 9 18 | 16 21 | 4 51 | 3 42 |
| S 7 | 22 24 | 27 42 | 4 53 | 18 11 | 4 11 | 20 35 | 1 39 | 11 18 | 1 11 | 8 18 | 1 16 | 8 26 | 2 31 | 23 28 | 0 10 | 18 42 | 1 42 | 15 33 | 12 54 | 9 28 | 9 17 | 16 24 | 4 51 | 3 42 |
| M 8 | 22 17 | 26 5 | 5 0 | 18 5 | 4 21 | 20 45 | 1 37 | 11 4 | 1 10 | 8 19 | 1 16 | 8 27 | 2 31 | 23 27 | 0 10 | 18 42 | 1 42 | 15 32 | 12 53 | 9 23 | 9 16 | 16 27 | 4 51 | 3 42 |
| T 9 | 22 10 | 23 4 | 4 53 | 18 0 | 4 30 | 20 55 | 1 35 | 10 51 | 1 10 | 8 21 | 1 16 | 8 27 | 2 31 | 23 27 | 0 10 | 18 42 | 1 42 | 15 32 | 12 53 | 9 19 | 9 14 | 16 30 | 4 51 | 3 42 |
| W10 | 22 2 | 18 49 | 4 29 | 17 57 | 4 37 | 21 5 | 1 33 | 10 37 | 1 9 | 8 22 | 1 15 | 8 28 | 2 30 | 23 27 | 0 10 | 18 42 | 1 41 | 15 31 | 12 53 | 9 15 | 9 13 | 16 32 | 4 51 | 3 42 |
| T 11 | 21 54 | 13 34 | 3 50 | 17 54 | 4 43 | 21 14 | 1 31 | 10 24 | 1 9 | 8 24 | 1 15 | 8 28 | 2 30 | 23 27 | 0 10 | 18 42 | 1 41 | 15 30 | 12 52 | 9 12 | 9 12 | 16 35 | 4 51 | 3 42 |
| F 12 | 21 46 | 7 35 | 2 58 | 17 53 | 4 47 | 21 22 | 1 29 | 10 10 | 1 8 | 8 25 | 1 15 | 8 29 | 2 30 | 23 27 | 0 10 | 18 42 | 1 41 | 15 30 | 12 52 | 9 10 | 9 11 | 16 38 | 4 51 | 3 43 |
| S 13 | 21 37 | 1 12 | 1 55 | 17 53 | 4 49 | 21 30 | 1 27 | 9 56 | 1 8 | 8 27 | 1 15 | 8 30 | 2 30 | 23 27 | 0 10 | 18 42 | 1 41 | 15 29 | 12 52 | 9 9 | 9 10 | 16 41 | 4 51 | 3 43 |
| S 14 | 21 28 | 5n20 | 0 44 | 17 54 | 4 50 | 21 37 | 1 24 | 9 42 | 1 7 | 8 28 | 1 14 | 8 30 | 2 29 | 23 27 | 0 10 | 18 41 | 1 41 | 15 28 | 12 52 | 9 9 | 9 9 | 16 44 | 4 51 | 3 43 |
| M15 | 21 18 | 11 41 | 0n30 | 17 57 | 4 49 | 21 44 | 1 22 | 9 28 | 1 6 | 8 30 | 1 14 | 8 31 | 2 29 | 23 27 | 0 10 | 18 41 | 1 41 | 15 27 | 12 51 | 9 9 | 9 7 | 16 47 | 4 51 | 3 43 |
| T 16 | 21 9 | 17 29 | 1 43 | 18 0 | 4 47 | 21 50 | 1 20 | 9 14 | 1 6 | 8 32 | 1 14 | 8 32 | 2 29 | 23 27 | 0 10 | 18 41 | 1 41 | 15 27 | 12 51 | 9 9 | 9 6 | 16 50 | 4 51 | 3 43 |
| W17 | 20 58 | 22 21 | 2 50 | 18 4 | 4 44 | 21 55 | 1 17 | 9 0 | 1 5 | 8 34 | 1 14 | 8 33 | 2 28 | 23 27 | 0 10 | 18 41 | 1 41 | 15 26 | 12 51 | 9 8 | 9 5 | 16 52 | 4 51 | 3 43 |
| T 18 | 20 48 | 25 54 | 3 47 | 18 9 | 4 39 | 22 0 | 1 15 | 8 46 | 1 5 | 8 36 | 1 13 | 8 33 | 2 28 | 23 27 | 0 10 | 18 41 | 1 41 | 15 25 | 12 51 | 9 6 | 9 4 | 16 55 | 4 51 | 3 43 |
| F 19 | 20 37 | 27 45 | 4 29 | 18 15 | 4 33 | 22 5 | 1 12 | 8 32 | 1 4 | 8 38 | 1 13 | 8 34 | 2 28 | 23 27 | 0 10 | 18 41 | 1 41 | 15 24 | 12 50 | 9 3 | 9 3 | 16 58 | 4 50 | 3 44 |
| S 20 | 20 26 | 27 45 | 4 54 | 18 22 | 4 26 | 22 8 | 1 10 | 8 17 | 1 4 | 8 40 | 1 13 | 8 35 | 2 28 | 23 27 | 0 10 | 18 41 | 1 41 | 15 24 | 12 50 | 8 59 | 9 2 | 17 1 | 4 50 | 3 44 |
| S 21 | 20 14 | 25 57 | 5 0 | 18 29 | 4 18 | 22 12 | 1 7 | 8 3 | 1 3 | 8 42 | 1 13 | 8 36 | 2 27 | 23 27 | 0 10 | 18 41 | 1 41 | 15 23 | 12 50 | 8 55 | 9 0 | 17 4 | 4 50 | 3 44 |
| M22 | 20 2 | 22 36 | 4 49 | 18 37 | 4 9 | 22 14 | 1 5 | 7 49 | 1 2 | 8 44 | 1 12 | 8 37 | 2 27 | 23 27 | 0 10 | 18 41 | 1 41 | 15 22 | 12 50 | 8 51 | 8 59 | 17 7 | 4 50 | 3 44 |
| T 23 | 19 50 | 18 7 | 4 22 | 18 45 | 3 59 | 22 16 | 1 2 | 7 34 | 1 2 | 8 46 | 1 12 | 8 38 | 2 27 | 23 26 | 0 10 | 18 40 | 1 41 | 15 21 | 12 49 | 8 47 | 8 58 | 17 9 | 4 50 | 3 44 |
| W24 | 19 37 | 12 53 | 3 41 | 18 54 | 3 49 | 22 17 | 1 0 | 7 20 | 1 1 | 8 48 | 1 12 | 8 39 | 2 27 | 23 26 | 0 10 | 18 40 | 1 41 | 15 20 | 12 49 | 8 43 | 8 57 | 17 12 | 4 49 | 3 44 |
| T 25 | 19 25 | 7 14 | 2 50 | 19 2 | 3 37 | 22 18 | 0 57 | 7 5 | 1 1 | 8 50 | 1 12 | 8 40 | 2 26 | 23 26 | 0 10 | 18 40 | 1 41 | 15 20 | 12 49 | 8 41 | 8 56 | 17 15 | 4 49 | 3 44 |
| F 26 | 19 11 | 1 26 | 1 52 | 19 11 | 3 25 | 22 18 | 0 54 | 6 51 | 1 0 | 8 53 | 1 12 | 8 41 | 2 26 | 23 26 | 0 10 | 18 40 | 1 41 | 15 19 | 12 49 | 8 40 | 8 55 | 17 18 | 4 49 | 3 44 |
| S 27 | 18 58 | 4s17 | 0 50 | 19 19 | 3 13 | 22 17 | 0 52 | 6 36 | 1 0 | 8 55 | 1 11 | 8 42 | 2 26 | 23 26 | 0 10 | 18 40 | 1 41 | 15 18 | 12 49 | 8 39 | 8 53 | 17 21 | 4 48 | 3 44 |
| S 28 | 18 44 | 9 47 | 0s13 | 19 28 | 3 0 | 22 16 | 0 49 | 6 22 | 0 59 | 8 57 | 1 11 | 8 44 | 2 26 | 23 26 | 0 10 | 18 40 | 1 41 | 15 17 | 12 48 | 8 39 | 8 52 | 17 24 | 4 48 | 3 45 |
| M29 | 18 30 | 14 52 | 1 15 | 19 35 | 2 46 | 22 14 | 0 46 | 6 7 | 0 58 | 9 0 | 1 11 | 8 45 | 2 25 | 23 26 | 0 10 | 18 40 | 1 41 | 15 16 | 12 48 | 8 39 | 8 51 | 17 26 | 4 48 | 3 45 |
| T 30 | 18 15 | 19 24 | 2 14 | 19 42 | 2 32 | 22 12 | 0 44 | 5 52 | 0 58 | 9 2 | 1 11 | 8 46 | 2 25 | 23 26 | 0 10 | 18 40 | 1 40 | 15 16 | 12 48 | 8 39 | 8 50 | 17 29 | 4 47 | 3 45 |
| W31 | 18n 1 | 23s11 | 3s 8 | 19n49 | 2s18 | 22n 9 | 0s41 | 5n37 | 0n57 | 9s 5 | 1n10 | 8s47 | 2n25 | 23n26 | 0n10 | 18s40 | 1n40 | 15n15 | 12n48 | 8n38 | 8n49 | 17s32 | 4n47 | 3n45 |

Julian Day Number = 2800167.5, Delta T = 50m03s
Ecliptic obliquity = 23°19'04, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°06'03, Lahiri = 37°13'04


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# ASTRODIENST EPHEMERIS for the year 2954
# geocentric

## AUGUST 2954 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 39 41 | 9♌35'30 | 12♐24 | 19♋10 | 12♋40 | 18♍33 | 26♎37 | 29♎ 0 | 3♋55 | 1°R15 | 21♍ 9 | 22°R13 | 22♈43 | 13♏33 | 3°R22 | T 1 |
| F 2 | 20 43 38 | 10°32'46 | 24°38 | 20°19 | 13°52 | 19°10 | 26°44 | 29° 3 | 3°58 | 1♐14 | 21°10 | 22♈ 6 | 22°40 | 13°40 | 3♈20 | F 2 |
| S 3 | 20 47 34 | 11°30'03 | 7♑ 8 | 21°33 | 15° 4 | 19°46 | 26°51 | 29° 7 | 4° 1 | 1°14 | 21°12 | 21°57 | 22°37 | 13°47 | 3°19 | S 3 |
| S 4 | 20 51 31 | 12°27'20 | 19°57 | 22°51 | 16°17 | 20°23 | 26°58 | 29°10 | 4° 4 | 1°14 | 21°13 | 21°47 | 22°33 | 13°53 | 3°18 | S 4 |
| M 5 | 20 55 27 | 13°24'36 | 3♒ 4 | 24°13 | 17°29 | 21° 0 | 27° 5 | 29°13 | 4° 7 | 1°14 | 21°15 | 21°36 | 22°30 | 14° 0 | 3°16 | M 5 |
| T 6 | 20 59 24 | 14°21'54 | 16°29 | 25°40 | 18°41 | 21°37 | 27°12 | 29°17 | 4°10 | 1°13 | 21°17 | 21°25 | 22°27 | 14° 7 | 3°15 | T 6 |
| W 7 | 21 3 20 | 15°19'12 | 0♓ 8 | 27°11 | 19°54 | 22°14 | 27°20 | 29°20 | 4°13 | 1°13 | 21°19 | 21°16 | 22°24 | 14°13 | 3°13 | W 7 |
| T 8 | 21 7 17 | 16°16'30 | 14° 0 | 28°47 | 21° 6 | 22°51 | 27°27 | 29°24 | 4°16 | 1°13 | 21°20 | 21° 8 | 22°21 | 14°20 | 3°11 | T 8 |
| F 9 | 21 11 13 | 17°13'49 | 28° 1 | 0♌26 | 22°19 | 23°28 | 27°35 | 29°28 | 4°19 | 1°13 | 21°22 | 21° 4 | 22°18 | 14°27 | 3°10 | F 9 |
| S 10 | 21 15 10 | 18°11'09 | 12♈ 6 | 2° 9 | 23°31 | 24° 5 | 27°43 | 29°31 | 4°22 | 1°13 | 21°24 | 21° 2 | 22°14 | 14°33 | 3° 8 | S 10 |
| S 11 | 21 19 7 | 19° 8'29 | 26°15 | 3°55 | 24°44 | 24°42 | 27°50 | 29°35 | 4°24 | 1°13 | 21°26 | 21°D 2 | 22°11 | 14°40 | 3° 6 | S 11 |
| M12 | 21 23 3 | 20° 5'51 | 10♉24 | 5°45 | 25°56 | 25°19 | 27°58 | 29°39 | 4°27 | 1°D13 | 21°27 | 21° 2 | 22° 8 | 14°47 | 3° 4 | M12 |
| T 13 | 21 27 0 | 21° 3'13 | 24°33 | 7°38 | 27° 9 | 25°56 | 28° 7 | 29°43 | 4°30 | 1°13 | 21°29 | 21°R 3 | 22° 5 | 14°53 | 3° 2 | T 13 |
| W14 | 21 30 56 | 22° 0'37 | 8♊40 | 9°33 | 28°22 | 26°33 | 28°15 | 29°47 | 4°32 | 1°13 | 21°31 | 21° 1 | 22° 2 | 15° 0 | 3° 0 | W14 |
| T 15 | 21 34 53 | 22°58'02 | 22°44 | 11°31 | 29°34 | 27°11 | 28°23 | 29°51 | 4°35 | 1°13 | 21°33 | 20°58 | 21°58 | 15° 7 | 2°58 | T 15 |
| F 16 | 21 38 49 | 23°55'28 | 6♋43 | 13°31 | 0♌47 | 27°48 | 28°32 | 29°56 | 4°38 | 1°13 | 21°35 | 20°53 | 21°55 | 15°13 | 2°56 | F 16 |
| S 17 | 21 42 46 | 24°52'55 | 20°34 | 15°33 | 2° 0 | 28°25 | 28°40 | 0♏ 0 | 4°40 | 1°13 | 21°37 | 20°45 | 21°52 | 15°20 | 2°54 | S 17 |
| S 18 | 21 46 42 | 25°50'22 | 4♌14 | 17°35 | 3°13 | 29° 3 | 28°49 | 0° 4 | 4°43 | 1°13 | 21°39 | 20°36 | 21°49 | 15°27 | 2°52 | S 18 |
| M19 | 21 50 39 | 26°47'51 | 17°41 | 19°39 | 4°26 | 29°40 | 28°58 | 0° 9 | 4°45 | 1°13 | 21°40 | 20°27 | 21°46 | 15°33 | 2°50 | M19 |
| T 20 | 21 54 36 | 27°45'21 | 0♍52 | 21°43 | 5°39 | 0♎17 | 29° 7 | 0°13 | 4°48 | 1°14 | 21°42 | 20°19 | 21°43 | 15°40 | 2°48 | T 20 |
| W21 | 21 58 32 | 28°42'51 | 13°46 | 23°48 | 6°52 | 0°55 | 29°16 | 0°18 | 4°50 | 1°14 | 21°44 | 20°12 | 21°39 | 15°46 | 2°46 | W21 |
| T 22 | 22 2 29 | 29°40'22 | 26°22 | 25°53 | 8° 5 | 1°32 | 29°25 | 0°23 | 4°52 | 1°14 | 21°46 | 20° 7 | 21°36 | 15°53 | 2°44 | T 22 |
| F 23 | 22 6 25 | 0♍37'54 | 8♎42 | 27°57 | 9°18 | 2°10 | 29°34 | 0°28 | 4°55 | 1°15 | 21°48 | 20° 4 | 21°33 | 16° 0 | 2°42 | F 23 |
| S 24 | 22 10 22 | 1°35'27 | 20°49 | 0♍ 1 | 10°31 | 2°48 | 29°43 | 0°32 | 4°57 | 1°15 | 21°50 | 20°D 4 | 21°30 | 16° 6 | 2°39 | S 24 |
| S 25 | 22 14 18 | 2°33'01 | 2♏45 | 2° 5 | 11°44 | 3°25 | 29°53 | 0°37 | 4°59 | 1°15 | 21°52 | 20° 4 | 21°27 | 16°13 | 2°37 | S 25 |
| M26 | 22 18 15 | 3°30'36 | 14°35 | 4° 7 | 12°57 | 4° 3 | 0♏ 2 | 0°42 | 5° 2 | 1°16 | 21°54 | 20° 6 | 21°24 | 16°20 | 2°35 | M26 |
| T 27 | 22 22 11 | 4°28'11 | 26°24 | 6° 9 | 14°11 | 4°40 | 0°12 | 0°47 | 5° 4 | 1°16 | 21°56 | 20° 7 | 21°20 | 16°26 | 2°32 | T 27 |
| W28 | 22 26 8 | 5°25'47 | 8♐17 | 8°10 | 15°24 | 5°18 | 0°22 | 0°53 | 5° 6 | 1°17 | 21°58 | 20°R 7 | 21°17 | 16°33 | 2°30 | W28 |
| T 29 | 22 30 5 | 6°23'25 | 20°19 | 10° 9 | 16°37 | 5°56 | 0°32 | 0°58 | 5° 8 | 1°17 | 22° 0 | 20° 6 | 21°14 | 16°40 | 2°27 | T 29 |
| F 30 | 22 34 1 | 7°21'03 | 2♑35 | 12° 7 | 17°50 | 6°34 | 0°42 | 1° 3 | 5°10 | 1°18 | 22° 2 | 20° 3 | 21°11 | 16°46 | 2°25 | F 30 |
| S 31 | 22 37 58 | 8♍18'42 | 15♑ 9 | 14♍ 4 | 19♌ 4 | 7♎12 | 0♏52 | 1♏ 8 | 5♋12 | 1♐18 | 22♍ 4 | 19♈58 | 21♈ 8 | 16♏53 | 2♈22 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n46 | 26s 1 | 3s53 | 19n54 | 2s 4 | 22n 5 | 0s38 | 5n23 | 0n57 | 9s 7 | 1n10 | 8s48 | 2n25 | 23n26 | 0n10 | 18s40 | 1n40 | 15n14 | 12n48 | 8n36 | 8n48 | 17s35 | 4n47 | 3n45 |
| F 2 | 17 30 | 27 41 | 4 29 | 19 59 | 1 50 | 22 1 | 0 35 | 5 8 | 0 56 | 9 10 | 1 10 | 8 50 | 2 24 | 23 26 | 0 10 | 18 40 | 1 40 | 15 13 | 12 47 | 8 34 | 8 46 | 17 38 | 4 46 | 3 45 |
| S 3 | 17 15 | 28 0 | 4 52 | 20 2 | 1 36 | 21 56 | 0 33 | 4 53 | 0 56 | 9 13 | 1 10 | 8 51 | 2 24 | 23 26 | 0 10 | 18 40 | 1 40 | 15 12 | 12 47 | 8 31 | 8 45 | 17 40 | 4 46 | 3 45 |
| S 4 | 16 59 | 26 49 | 5 2 | 20 3 | 1 21 | 21 50 | 0 30 | 4 38 | 0 55 | 9 15 | 1 10 | 8 53 | 2 24 | 23 26 | 0 10 | 18 40 | 1 40 | 15 12 | 12 47 | 8 27 | 8 44 | 17 43 | 4 45 | 3 45 |
| M 5 | 16 43 | 24 11 | 4 56 | 20 3 | 1 7 | 21 44 | 0 27 | 4 23 | 0 54 | 9 18 | 1 9 | 8 54 | 2 24 | 23 26 | 0 10 | 18 40 | 1 40 | 15 11 | 12 47 | 8 23 | 8 43 | 17 46 | 4 45 | 3 45 |
| T 6 | 16 26 | 20 11 | 4 34 | 20 2 | 0 53 | 21 37 | 0 24 | 4 8 | 0 54 | 9 21 | 1 9 | 8 55 | 2 24 | 23 25 | 0 10 | 18 40 | 1 40 | 15 10 | 12 47 | 8 19 | 8 42 | 17 49 | 4 44 | 3 45 |
| W 7 | 16 10 | 15 3 | 3 56 | 19 58 | 0 39 | 21 30 | 0 22 | 3 53 | 0 53 | 9 24 | 1 9 | 8 57 | 2 23 | 23 25 | 0 10 | 18 40 | 1 40 | 15 9 | 12 46 | 8 15 | 8 40 | 17 51 | 4 43 | 3 46 |
| T 8 | 15 53 | 9 5 | 3 4 | 19 53 | 0 26 | 21 22 | 0 19 | 3 38 | 0 53 | 9 27 | 1 9 | 8 58 | 2 23 | 23 25 | 0 10 | 18 40 | 1 40 | 15 8 | 12 46 | 8 12 | 8 39 | 17 54 | 4 43 | 3 46 |
| F 9 | 15 36 | 2 37 | 2 0 | 19 45 | 0 13 | 21 13 | 0 16 | 3 23 | 0 52 | 9 30 | 1 8 | 9 0 | 2 23 | 23 25 | 0 10 | 18 40 | 1 40 | 15 7 | 12 46 | 8 11 | 8 38 | 17 57 | 4 42 | 3 46 |
| S 10 | 15 18 | 4n 2 | 0 47 | 19 35 | 0 0 | 21 4 | 0 13 | 3 8 | 0 52 | 9 33 | 1 8 | 9 1 | 2 23 | 23 25 | 0 10 | 18 40 | 1 40 | 15 7 | 12 46 | 8 10 | 8 37 | 18 0 | 4 42 | 3 46 |
| S 11 | 15 0 | 10 31 | 0n28 | 19 22 | 0n12 | 20 54 | 0 10 | 2 53 | 0 51 | 9 36 | 1 8 | 9 3 | 2 22 | 23 25 | 0 10 | 18 40 | 1 40 | 15 6 | 12 46 | 8 10 | 8 36 | 18 2 | 4 41 | 3 46 |
| M12 | 14 43 | 16 29 | 1 42 | 19 7 | 0 24 | 20 44 | 0 8 | 2 37 | 0 50 | 9 39 | 1 8 | 9 4 | 2 22 | 23 25 | 0 10 | 18 40 | 1 40 | 15 5 | 12 46 | 8 10 | 8 35 | 18 5 | 4 40 | 3 46 |
| T 13 | 14 24 | 21 33 | 2 49 | 18 49 | 0 34 | 20 33 | 0 5 | 2 22 | 0 50 | 9 42 | 1 8 | 9 6 | 2 22 | 23 25 | 0 10 | 18 40 | 1 40 | 15 4 | 12 46 | 8 10 | 8 33 | 18 8 | 4 40 | 3 46 |
| W14 | 14 6 | 25 22 | 3 46 | 18 29 | 0 45 | 20 21 | 0 2 | 2 7 | 0 49 | 9 45 | 1 7 | 9 8 | 2 22 | 23 25 | 0 10 | 18 40 | 1 40 | 15 3 | 12 45 | 8 10 | 8 32 | 18 11 | 4 39 | 3 46 |
| T 15 | 13 48 | 27 36 | 4 29 | 18 7 | 0 54 | 20 9 | 0n 0 | 1 52 | 0 49 | 9 48 | 1 7 | 9 9 | 2 21 | 23 25 | 0 10 | 18 40 | 1 40 | 15 2 | 12 45 | 8 9 | 8 31 | 18 13 | 4 38 | 3 46 |
| F 16 | 13 29 | 28 5 | 4 56 | 17 41 | 1 3 | 19 56 | 0 3 | 1 37 | 0 48 | 9 51 | 1 7 | 9 11 | 2 21 | 23 25 | 0 10 | 18 40 | 1 40 | 15 2 | 12 45 | 8 7 | 8 30 | 18 16 | 4 38 | 3 46 |
| S 17 | 13 10 | 26 47 | 5 5 | 17 14 | 1 11 | 19 43 | 0 6 | 1 21 | 0 48 | 9 54 | 1 7 | 9 13 | 2 21 | 23 25 | 0 10 | 18 41 | 1 39 | 15 1 | 12 45 | 8 4 | 8 29 | 18 19 | 4 37 | 3 46 |
| S 18 | 12 51 | 23 54 | 4 57 | 16 43 | 1 18 | 19 29 | 0 9 | 1 6 | 0 47 | 9 58 | 1 7 | 9 14 | 2 21 | 23 25 | 0 10 | 18 41 | 1 39 | 15 0 | 12 45 | 8 0 | 8 28 | 18 22 | 4 36 | 3 46 |
| M19 | 12 31 | 19 46 | 4 32 | 16 11 | 1 24 | 19 14 | 0 11 | 0 51 | 0 46 | 10 1 | 1 7 | 9 16 | 2 21 | 23 24 | 0 10 | 18 41 | 1 39 | 14 59 | 12 45 | 7 57 | 8 26 | 18 24 | 4 35 | 3 46 |
| T 20 | 12 12 | 14 44 | 3 53 | 15 37 | 1 30 | 18 59 | 0 14 | 0 35 | 0 46 | 10 4 | 1 6 | 9 18 | 2 20 | 23 24 | 0 11 | 18 41 | 1 39 | 14 58 | 12 45 | 7 54 | 8 25 | 18 27 | 4 35 | 3 47 |
| W21 | 11 52 | 9 10 | 3 3 | 15 0 | 1 34 | 18 44 | 0 16 | 0 20 | 0 45 | 10 7 | 1 6 | 9 20 | 2 20 | 23 24 | 0 11 | 18 41 | 1 39 | 14 57 | 12 45 | 7 51 | 8 24 | 18 30 | 4 34 | 3 47 |
| T 22 | 11 32 | 3 20 | 2 4 | 14 22 | 1 38 | 18 28 | 0 19 | 0 5 | 0 45 | 10 11 | 1 6 | 9 22 | 2 20 | 23 24 | 0 11 | 18 41 | 1 39 | 14 57 | 12 45 | 7 49 | 8 23 | 18 32 | 4 33 | 3 47 |
| F 23 | 11 12 | 2s30 | 1 1 | 13 42 | 1 41 | 18 11 | 0 21 | 0s11 | 0 44 | 10 14 | 1 6 | 9 23 | 2 20 | 23 24 | 0 11 | 18 41 | 1 39 | 14 56 | 12 45 | 7 48 | 8 22 | 18 35 | 4 32 | 3 47 |
| S 24 | 10 51 | 8 9 | 0s 4 | 13 1 | 1 43 | 17 54 | 0 24 | 0 26 | 0 44 | 10 18 | 1 6 | 9 25 | 2 20 | 23 24 | 0 11 | 18 41 | 1 39 | 14 55 | 12 45 | 7 48 | 8 20 | 18 38 | 4 31 | 3 47 |
| S 25 | 10 31 | 13 26 | 1 8 | 12 18 | 1 44 | 17 36 | 0 26 | 0 42 | 0 43 | 10 21 | 1 5 | 9 27 | 2 19 | 23 24 | 0 11 | 18 41 | 1 39 | 14 54 | 12 44 | 7 48 | 8 19 | 18 41 | 4 30 | 3 47 |
| M26 | 10 10 | 18 11 | 2 9 | 11 35 | 1 45 | 17 18 | 0 29 | 0 57 | 0 43 | 10 25 | 1 5 | 9 29 | 2 19 | 23 24 | 0 11 | 18 42 | 1 39 | 14 53 | 12 44 | 7 49 | 8 18 | 18 43 | 4 29 | 3 47 |
| T 27 | 9 49 | 22 14 | 3 4 | 10 50 | 1 45 | 17 0 | 0 31 | 1 12 | 0 42 | 10 28 | 1 5 | 9 31 | 2 19 | 23 24 | 0 11 | 18 42 | 1 39 | 14 52 | 12 44 | 7 49 | 8 17 | 18 46 | 4 29 | 3 47 |
| W28 | 9 28 | 25 23 | 3 51 | 10 5 | 1 44 | 16 40 | 0 34 | 1 28 | 0 41 | 10 32 | 1 5 | 9 33 | 2 19 | 23 24 | 0 11 | 18 42 | 1 39 | 14 52 | 12 44 | 7 49 | 8 16 | 18 49 | 4 28 | 3 47 |
| T 29 | 9 7 | 27 27 | 4 29 | 9 19 | 1 43 | 16 21 | 0 36 | 1 43 | 0 41 | 10 35 | 1 5 | 9 35 | 2 19 | 23 24 | 0 11 | 18 42 | 1 39 | 14 51 | 12 44 | 7 49 | 8 15 | 18 51 | 4 27 | 3 47 |
| F 30 | 8 46 | 28 13 | 4 56 | 8 32 | 1 41 | 16 1 | 0 38 | 1 59 | 0 40 | 10 39 | 1 5 | 9 37 | 2 18 | 23 24 | 0 11 | 18 42 | 1 39 | 14 50 | 12 44 | 7 48 | 8 13 | 18 54 | 4 26 | 3 47 |
| S 31 | 8n25 | 27s34 | 5s 9 | 7n45 | 1n38 | 15n41 | 0n41 | 2s14 | 0n40 | 10s42 | 1n 4 | 9s39 | 2n18 | 23n24 | 0n11 | 18s42 | 1n39 | 14n49 | 12n44 | 7n46 | 8n12 | 18s57 | 4n25 | 3n47 |

Julian Day Number = 2800198.5, Delta T = 50m03s
Ecliptic obliquity = 23°19'04, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°06'08, Lahiri = 37°13'08


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# ASTRODIENST EPHEMERIS for the year 2954
# geocentric

## SEPTEMBER 2954 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 41 54 | 9♍16'22 | 28♉ 4 | 15♍59 | 20♌17 | 7♎50 | 1♏ 2 | 1♏14 | 5♋14 | 1♐19 | 22♍ 6 | 19°R53 | 21♈ 4 | 17♏ 0 | 2°R20 | S 1 |
| M 2 | 22 45 51 | 10°14'03 | 11♒22 | 17°53 | 21°31 | 8°27 | 1°12 | 1°19 | 5°16 | 1°20 | 22° 8 | 19♈46 | 21° 1 | 17° 6 | 2♈17 | M 2 |
| T 3 | 22 49 47 | 11°11'45 | 25° 2 | 19°46 | 22°44 | 9° 5 | 1°22 | 1°25 | 5°18 | 1°20 | 22°10 | 19°40 | 20°58 | 17°13 | 2°15 | T 3 |
| W 4 | 22 53 44 | 12° 9'28 | 9♓ 1 | 21°37 | 23°58 | 9°43 | 1°32 | 1°30 | 5°20 | 1°21 | 22°12 | 19°35 | 20°55 | 17°20 | 2°12 | W 4 |
| T 5 | 22 57 40 | 13° 7'13 | 23°17 | 23°27 | 25°11 | 10°21 | 1°43 | 1°36 | 5°22 | 1°22 | 22°14 | 19°31 | 20°52 | 17°26 | 2°10 | T 5 |
| F 6 | 23 1 37 | 14° 4'58 | 7♈43 | 25°16 | 26°25 | 10°59 | 1°53 | 1°42 | 5°23 | 1°23 | 22°16 | 19°29 | 20°49 | 17°33 | 2° 7 | F 6 |
| S 7 | 23 5 34 | 15° 2'46 | 22°14 | 27° 3 | 27°38 | 11°38 | 2° 4 | 1°47 | 5°25 | 1°23 | 22°18 | 19°D28 | 20°45 | 17°40 | 2° 4 | S 7 |
| S 8 | 23 9 30 | 16° 0'35 | 6♉44 | 28°48 | 28°52 | 12°16 | 2°15 | 1°53 | 5°27 | 1°24 | 22°20 | 19°29 | 20°42 | 17°46 | 2° 2 | S 8 |
| M 9 | 23 13 27 | 16°58'25 | 21°10 | 0♎33 | 0♍ 6 | 12°54 | 2°25 | 1°59 | 5°28 | 1°25 | 22°22 | 19°30 | 20°39 | 17°53 | 1°59 | M 9 |
| T 10 | 23 17 23 | 17°56'18 | 5♊28 | 2°16 | 1°19 | 13°32 | 2°36 | 2° 5 | 5°30 | 1°26 | 22°24 | 19°32 | 20°36 | 18° 0 | 1°56 | T 10 |
| W11 | 23 21 20 | 18°54'12 | 19°36 | 3°57 | 2°33 | 14°10 | 2°47 | 2°11 | 5°32 | 1°27 | 22°27 | 19°R32 | 20°33 | 18° 6 | 1°54 | W11 |
| T 12 | 23 25 16 | 19°52'08 | 3♋32 | 5°38 | 3°47 | 14°49 | 2°58 | 2°17 | 5°33 | 1°28 | 22°29 | 19°31 | 20°29 | 18°13 | 1°51 | T 12 |
| F 13 | 23 29 13 | 20°50'06 | 17°15 | 7°17 | 5° 1 | 15°27 | 3° 9 | 2°23 | 5°35 | 1°29 | 22°31 | 19°29 | 20°26 | 18°20 | 1°48 | F 13 |
| S 14 | 23 33 9 | 21°48'05 | 0♌44 | 8°55 | 6°15 | 16° 5 | 3°20 | 2°29 | 5°36 | 1°30 | 22°33 | 19°26 | 20°23 | 18°26 | 1°45 | S 14 |
| S 15 | 23 37 6 | 22°46'07 | 14° 1 | 10°31 | 7°29 | 16°44 | 3°31 | 2°35 | 5°37 | 1°31 | 22°35 | 19°22 | 20°20 | 18°33 | 1°43 | S 15 |
| M16 | 23 41 3 | 23°44'10 | 27° 3 | 12° 6 | 8°43 | 17°22 | 3°43 | 2°41 | 5°39 | 1°32 | 22°37 | 19°18 | 20°17 | 18°40 | 1°40 | M16 |
| T 17 | 23 44 59 | 24°42'14 | 9♍52 | 13°40 | 9°57 | 18° 1 | 3°54 | 2°48 | 5°40 | 1°33 | 22°39 | 19°14 | 20°14 | 18°46 | 1°37 | T 17 |
| W18 | 23 48 56 | 25°40'20 | 22°27 | 15°13 | 11°11 | 18°39 | 4° 5 | 2°54 | 5°41 | 1°34 | 22°41 | 19°11 | 20°10 | 18°53 | 1°34 | W18 |
| T 19 | 23 52 52 | 26°38'28 | 4♎49 | 16°44 | 12°25 | 19°18 | 4°17 | 3° 0 | 5°42 | 1°35 | 22°43 | 19°10 | 20° 7 | 19° 0 | 1°32 | T 19 |
| F 20 | 23 56 49 | 27°36'38 | 16°59 | 18°15 | 13°39 | 19°57 | 4°28 | 3° 7 | 5°43 | 1°37 | 22°45 | 19°D 9 | 20° 4 | 19° 6 | 1°29 | F 20 |
| S 21 | 0 0 45 | 28°34'48 | 29° 0 | 19°43 | 14°53 | 20°35 | 4°40 | 3°13 | 5°44 | 1°38 | 22°47 | 19° 9 | 20° 1 | 19°13 | 1°26 | S 21 |
| S 22 | 0 4 42 | 29°33'01 | 10♏53 | 21°11 | 16° 7 | 21°14 | 4°52 | 3°20 | 5°45 | 1°39 | 22°49 | 19°10 | 19°58 | 19°20 | 1°23 | S 22 |
| M23 | 0 8 38 | 0♎31'15 | 22°41 | 22°38 | 17°21 | 21°53 | 5° 3 | 3°26 | 5°46 | 1°40 | 22°51 | 19°12 | 19°55 | 19°26 | 1°20 | M23 |
| T 24 | 0 12 35 | 1°29'31 | 4♐30 | 24° 3 | 18°35 | 22°32 | 5°15 | 3°33 | 5°47 | 1°42 | 22°53 | 19°13 | 19°51 | 19°33 | 1°18 | T 24 |
| W25 | 0 16 31 | 2°27'48 | 16°22 | 25°26 | 19°50 | 23°11 | 5°27 | 3°39 | 5°48 | 1°43 | 22°55 | 19°14 | 19°48 | 19°40 | 1°15 | W25 |
| T 26 | 0 20 28 | 3°26'07 | 28°23 | 26°49 | 21° 4 | 23°50 | 5°39 | 3°46 | 5°49 | 1°44 | 22°57 | 19°R15 | 19°45 | 19°46 | 1°12 | T 26 |
| F 27 | 0 24 25 | 4°24'27 | 10♑37 | 28°10 | 22°18 | 24°29 | 5°51 | 3°53 | 5°50 | 1°46 | 22°59 | 19°15 | 19°42 | 19°53 | 1° 9 | F 27 |
| S 28 | 0 28 21 | 5°22'49 | 23° 9 | 29°30 | 23°33 | 25° 7 | 6° 3 | 4° 0 | 5°50 | 1°47 | 23° 2 | 19°14 | 19°39 | 20° 0 | 1° 6 | S 28 |
| S 29 | 0 32 18 | 6°21'12 | 6♒ 3 | 0♏48 | 24°47 | 25°47 | 6°15 | 4° 6 | 5°51 | 1°48 | 23° 4 | 19°13 | 19°35 | 20° 6 | 1° 4 | S 29 |
| M30 | 0 36 14 | 7♎19'36 | 19♒22 | 2♏ 5 | 26♍ 1 | 26♎26 | 6♏27 | 4♏13 | 5♋52 | 1♐50 | 23♍ 6 | 19♈12 | 19♈32 | 20♏13 | 1♈ 1 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 8n 3 | 25s27 | 5s 7 | 6n58 | 1n35 | 15n20 | 0n43 | 2s29 | 0n39 | 10s46 | 1n 4 | 9s41 | 2n18 | 23n24 | 0n11 | 18s43 | 1n39 | 14n48 | 12n44 | 7n44 | 8n11 | 18s59 | 4n24 | 3n47 |
| M 2 | 7 42 | 21 54 | 4 48 | 6 10 | 1 31 | 14 58 | 0 45 | 2 45 | 0 39 | 10 50 | 1 4 | 9 43 | 2 18 | 23 24 | 0 11 | 18 43 | 1 39 | 14 47 | 12 44 | 7 42 | 8 10 | 19 2 | 4 23 | 3 47 |
| T 3 | 7 20 | 17 5 | 4 13 | 5 22 | 1 27 | 14 37 | 0 47 | 3 0 | 0 38 | 10 53 | 1 4 | 9 45 | 2 18 | 23 23 | 0 11 | 18 43 | 1 39 | 14 47 | 12 44 | 7 39 | 8 9 | 19 5 | 4 22 | 3 47 |
| W 4 | 6 58 | 11 16 | 3 22 | 4 35 | 1 23 | 14 15 | 0 49 | 3 15 | 0 37 | 10 57 | 1 4 | 9 47 | 2 18 | 23 23 | 0 11 | 18 43 | 1 38 | 14 46 | 12 44 | 7 37 | 8 7 | 19 7 | 4 21 | 3 47 |
| T 5 | 6 36 | 4 46 | 2 18 | 3 47 | 1 18 | 13 52 | 0 51 | 3 31 | 0 37 | 11 1 | 1 4 | 9 49 | 2 17 | 23 23 | 0 11 | 18 43 | 1 38 | 14 45 | 12 44 | 7 36 | 8 6 | 19 10 | 4 20 | 3 47 |
| F 6 | 6 14 | 2n 4 | 1 4 | 2 59 | 1 13 | 13 29 | 0 53 | 3 46 | 0 36 | 11 5 | 1 4 | 9 51 | 2 17 | 23 23 | 0 11 | 18 44 | 1 38 | 14 44 | 12 44 | 7 35 | 8 5 | 19 13 | 4 19 | 3 47 |
| S 7 | 5 52 | 8 51 | 0n15 | 2 12 | 1 7 | 13 6 | 0 55 | 4 2 | 0 36 | 11 8 | 1 3 | 9 53 | 2 17 | 23 23 | 0 11 | 18 44 | 1 38 | 14 43 | 12 44 | 7 35 | 8 4 | 19 15 | 4 18 | 3 47 |
| S 8 | 5 29 | 15 10 | 1 33 | 1 25 | 1 1 | 12 42 | 0 57 | 4 17 | 0 35 | 11 12 | 1 3 | 9 55 | 2 17 | 23 23 | 0 11 | 18 44 | 1 38 | 14 43 | 12 44 | 7 35 | 8 3 | 19 18 | 4 17 | 3 47 |
| M 9 | 5 7 | 20 37 | 2 45 | 0 38 | 0 55 | 12 18 | 0 59 | 4 32 | 0 35 | 11 16 | 1 3 | 9 58 | 2 17 | 23 23 | 0 11 | 18 44 | 1 38 | 14 42 | 12 44 | 7 36 | 8 1 | 19 20 | 4 15 | 3 47 |
| T 10 | 4 45 | 24 48 | 3 45 | 0s 9 | 0 49 | 11 54 | 1 1 | 4 47 | 0 34 | 11 20 | 1 3 | 10 0 | 2 17 | 23 23 | 0 11 | 18 44 | 1 38 | 14 41 | 12 44 | 7 36 | 8 0 | 19 23 | 4 14 | 3 47 |
| W11 | 4 22 | 27 26 | 4 32 | 0 55 | 0 42 | 11 29 | 1 3 | 5 3 | 0 34 | 11 24 | 1 3 | 10 2 | 2 16 | 23 23 | 0 11 | 18 45 | 1 38 | 14 40 | 12 44 | 7 36 | 7 59 | 19 26 | 4 13 | 3 47 |
| T 12 | 4 0 | 28 17 | 5 1 | 1 41 | 0 35 | 11 4 | 1 4 | 5 18 | 0 33 | 11 27 | 1 3 | 10 4 | 2 16 | 23 23 | 0 11 | 18 45 | 1 38 | 14 39 | 12 44 | 7 36 | 7 58 | 19 28 | 4 12 | 3 47 |
| F 13 | 3 37 | 27 23 | 5 13 | 2 27 | 0 28 | 10 39 | 1 6 | 5 33 | 0 32 | 11 31 | 1 3 | 10 6 | 2 16 | 23 23 | 0 11 | 18 45 | 1 38 | 14 39 | 12 44 | 7 35 | 7 57 | 19 31 | 4 11 | 3 47 |
| S 14 | 3 14 | 24 53 | 5 7 | 3 12 | 0 20 | 10 13 | 1 7 | 5 49 | 0 32 | 11 35 | 1 2 | 10 9 | 2 16 | 23 23 | 0 11 | 18 45 | 1 38 | 14 38 | 12 44 | 7 34 | 7 56 | 19 34 | 4 10 | 3 47 |
| S 15 | 2 51 | 21 5 | 4 45 | 3 57 | 0 13 | 9 47 | 1 9 | 6 4 | 0 31 | 11 39 | 1 2 | 10 11 | 2 16 | 23 23 | 0 11 | 18 46 | 1 38 | 14 37 | 12 44 | 7 33 | 7 54 | 19 36 | 4 9 | 3 47 |
| M16 | 2 29 | 16 19 | 4 8 | 4 41 | 0 5 | 9 21 | 1 10 | 6 19 | 0 31 | 11 43 | 1 2 | 10 13 | 2 16 | 23 23 | 0 11 | 18 46 | 1 38 | 14 36 | 12 45 | 7 31 | 7 53 | 19 39 | 4 8 | 3 47 |
| T 17 | 2 6 | 10 55 | 3 19 | 5 24 | 0s 2 | 8 55 | 1 12 | 6 34 | 0 30 | 11 47 | 1 2 | 10 15 | 2 16 | 23 23 | 0 11 | 18 46 | 1 38 | 14 36 | 12 45 | 7 30 | 7 52 | 19 41 | 4 7 | 3 47 |
| W18 | 1 43 | 5 9 | 2 22 | 6 7 | 0 10 | 8 28 | 1 13 | 6 49 | 0 30 | 11 51 | 1 2 | 10 18 | 2 15 | 23 23 | 0 11 | 18 47 | 1 38 | 14 35 | 12 45 | 7 29 | 7 51 | 19 44 | 4 5 | 3 47 |
| T 19 | 1 20 | 0s42 | 1 18 | 6 50 | 0 18 | 8 1 | 1 14 | 7 4 | 0 29 | 11 55 | 1 2 | 10 20 | 2 15 | 23 23 | 0 11 | 18 47 | 1 38 | 14 34 | 12 45 | 7 28 | 7 50 | 19 46 | 4 4 | 3 47 |
| F 20 | 0 57 | 6 27 | 0 12 | 7 31 | 0 26 | 7 34 | 1 16 | 7 19 | 0 28 | 11 59 | 1 2 | 10 22 | 2 15 | 23 23 | 0 11 | 18 47 | 1 38 | 14 33 | 12 45 | 7 28 | 7 48 | 19 49 | 4 3 | 3 46 |
| S 21 | 0 34 | 11 54 | 0s54 | 8 12 | 0 34 | 7 6 | 1 17 | 7 34 | 0 28 | 12 3 | 1 2 | 10 24 | 2 15 | 23 23 | 0 11 | 18 47 | 1 38 | 14 33 | 12 45 | 7 28 | 7 47 | 19 52 | 4 2 | 3 46 |
| S 22 | 0 11 | 16 52 | 1 57 | 8 53 | 0 42 | 6 39 | 1 18 | 7 49 | 0 27 | 12 7 | 1 1 | 10 27 | 2 15 | 23 23 | 0 11 | 18 48 | 1 38 | 14 32 | 12 45 | 7 28 | 7 46 | 19 54 | 4 1 | 3 46 |
| M23 | 0s12 | 21 10 | 2 55 | 9 33 | 0 51 | 6 11 | 1 19 | 8 4 | 0 27 | 12 11 | 1 1 | 10 29 | 2 15 | 23 23 | 0 11 | 18 48 | 1 37 | 14 31 | 12 45 | 7 29 | 7 45 | 19 57 | 4 0 | 3 46 |
| T 24 | 0 35 | 24 37 | 3 45 | 10 12 | 0 59 | 5 43 | 1 20 | 8 19 | 0 26 | 12 15 | 1 1 | 10 31 | 2 15 | 23 23 | 0 11 | 18 48 | 1 37 | 14 31 | 12 45 | 7 29 | 7 44 | 19 59 | 3 58 | 3 46 |
| W25 | 0 58 | 27 2 | 4 26 | 10 50 | 1 7 | 5 15 | 1 21 | 8 34 | 0 26 | 12 19 | 1 1 | 10 34 | 2 15 | 23 23 | 0 11 | 18 49 | 1 37 | 14 30 | 12 45 | 7 30 | 7 42 | 20 2 | 3 57 | 3 46 |
| T 26 | 1 22 | 28 14 | 4 56 | 11 27 | 1 15 | 4 47 | 1 22 | 8 49 | 0 25 | 12 23 | 1 1 | 10 36 | 2 14 | 23 23 | 0 11 | 18 49 | 1 37 | 14 29 | 12 46 | 7 30 | 7 41 | 20 4 | 3 56 | 3 46 |
| F 27 | 1 45 | 28 6 | 5 13 | 12 4 | 1 23 | 4 18 | 1 22 | 9 4 | 0 24 | 12 27 | 1 1 | 10 38 | 2 14 | 23 23 | 0 11 | 18 49 | 1 37 | 14 29 | 12 46 | 7 30 | 7 40 | 20 7 | 3 55 | 3 46 |
| S 28 | 2 8 | 26 32 | 5 16 | 12 40 | 1 31 | 3 50 | 1 23 | 9 18 | 0 24 | 12 31 | 1 1 | 10 41 | 2 14 | 23 23 | 0 11 | 18 50 | 1 37 | 14 28 | 12 46 | 7 30 | 7 39 | 20 10 | 3 54 | 3 46 |
| S 29 | 2 31 | 23 33 | 5 3 | 13 15 | 1 39 | 3 21 | 1 24 | 9 33 | 0 23 | 12 35 | 1 1 | 10 43 | 2 14 | 23 23 | 0 11 | 18 50 | 1 37 | 14 27 | 12 46 | 7 29 | 7 38 | 20 12 | 3 52 | 3 46 |
| M30 | 2s54 | 19s17 | 4s34 | 13s49 | 1s47 | 2n52 | 1n24 | 9s48 | 0n23 | 12s39 | 1n 1 | 10s45 | 2n14 | 23n23 | 0n11 | 18s50 | 1n37 | 14n27 | 12n46 | 7n29 | 7n36 | 20s15 | 3n51 | 3n46 |

Julian Day Number = 2800229.5, Delta T = 50m04s
Ecliptic obliquity = 23°19'05, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°06'12, Lahiri = 37°13'12


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# ASTRODIENST EPHEMERIS for the year 2954
# geocentric

## OCTOBER 2954 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 40 11 | 8♎18'03 | 3♓ 6 | 3♏20 | 27♍16 | 27♎ 5 | 6♏39 | 4♏20 | 5♋52 | 1♐51 | 23♍ 8 | 19°R10 | 19♈29 | 20♏20 | 0°R58 | T 1 |
| W 2 | 0 44 7 | 9°16'30 | 17°14 | 4°33 | 28°30 | 27°44 | 6°51 | 4°27 | 5°53 | 1°53 | 23°10 | 19♈ 9 | 19°26 | 20°26 | 0♈55 | W 2 |
| T 3 | 0 48 4 | 10°15'00 | 1♈45 | 5°45 | 29°45 | 28°23 | 7° 3 | 4°34 | 5°53 | 1°54 | 23°12 | 19° 8 | 19°23 | 20°33 | 0°52 | T 3 |
| F 4 | 0 52 0 | 11°13'31 | 16°31 | 6°55 | 0♎59 | 29° 2 | 7°16 | 4°41 | 5°54 | 1°56 | 23°14 | 19°D 8 | 19°20 | 20°40 | 0°50 | F 4 |
| S 5 | 0 55 57 | 12°12'04 | 1♉26 | 8° 3 | 2°13 | 29°42 | 7°28 | 4°48 | 5°54 | 1°58 | 23°16 | 19° 8 | 19°16 | 20°46 | 0°47 | S 5 |
| S 6 | 0 59 54 | 13°10'40 | 16°22 | 9° 9 | 3°28 | 0♏21 | 7°40 | 4°55 | 5°54 | 1°59 | 23°18 | 19° 8 | 19°13 | 20°53 | 0°44 | S 6 |
| M 7 | 1 3 50 | 14° 9'17 | 1♊11 | 10°13 | 4°43 | 1° 0 | 7°53 | 5° 2 | 5°55 | 2° 1 | 23°19 | 19° 9 | 19°10 | 21° 0 | 0°42 | M 7 |
| T 8 | 1 7 47 | 15° 7'56 | 15°47 | 11°14 | 5°57 | 1°40 | 8° 5 | 5° 9 | 5°55 | 2° 2 | 23°21 | 19° 9 | 19° 7 | 21° 6 | 0°39 | T 8 |
| W 9 | 1 11 43 | 16° 6'38 | 0♋ 6 | 12°13 | 7°12 | 2°19 | 8°17 | 5°16 | 5°55 | 2° 4 | 23°23 | 19°10 | 19° 4 | 21°13 | 0°36 | W 9 |
| T 10 | 1 15 40 | 17° 5'22 | 14° 4 | 13°10 | 8°26 | 2°59 | 8°30 | 5°23 | 5°55 | 2° 6 | 23°25 | 19°R10 | 19° 1 | 21°20 | 0°33 | T 10 |
| F 11 | 1 19 36 | 18° 4'09 | 27°42 | 14° 3 | 9°41 | 3°38 | 8°43 | 5°30 | 5°R55 | 2° 8 | 23°27 | 19°10 | 18°57 | 21°26 | 0°31 | F 11 |
| S 12 | 1 23 33 | 19° 2'57 | 11♌ 0 | 14°54 | 10°56 | 4°18 | 8°55 | 5°37 | 5°55 | 2° 9 | 23°29 | 19°D10 | 18°54 | 21°33 | 0°28 | S 12 |
| S 13 | 1 27 29 | 20° 1'47 | 24° 0 | 15°41 | 12°10 | 4°57 | 9° 8 | 5°44 | 5°55 | 2°11 | 23°31 | 19°10 | 18°51 | 21°40 | 0°26 | S 13 |
| M14 | 1 31 26 | 21° 0'40 | 6♍43 | 16°24 | 13°25 | 5°37 | 9°20 | 5°51 | 5°55 | 2°13 | 23°33 | 19°10 | 18°48 | 21°46 | 0°23 | M14 |
| T 15 | 1 35 23 | 21°59'35 | 19°13 | 17° 4 | 14°40 | 6°17 | 9°33 | 5°58 | 5°55 | 2°15 | 23°35 | 19°10 | 18°45 | 21°53 | 0°20 | T 15 |
| W16 | 1 39 19 | 22°58'32 | 1♎31 | 17°39 | 15°55 | 6°57 | 9°46 | 6° 6 | 5°54 | 2°16 | 23°37 | 19°10 | 18°41 | 22° 0 | 0°18 | W16 |
| T 17 | 1 43 16 | 23°57'31 | 13°38 | 18° 9 | 17° 9 | 7°36 | 9°58 | 6°13 | 5°54 | 2°18 | 23°39 | 19°R11 | 18°38 | 22° 6 | 0°15 | T 17 |
| F 18 | 1 47 12 | 24°56'32 | 25°38 | 18°35 | 18°24 | 8°16 | 10°11 | 6°20 | 5°54 | 2°20 | 23°40 | 19°11 | 18°35 | 22°13 | 0°13 | F 18 |
| S 19 | 1 51 9 | 25°55'35 | 7♏32 | 18°54 | 19°39 | 8°56 | 10°24 | 6°27 | 5°53 | 2°22 | 23°42 | 19°10 | 18°32 | 22°20 | 0°10 | S 19 |
| S 20 | 1 55 5 | 26°54'40 | 19°22 | 19° 8 | 20°54 | 9°36 | 10°37 | 6°35 | 5°53 | 2°24 | 23°44 | 19° 9 | 18°29 | 22°26 | 0° 8 | S 20 |
| M21 | 1 59 2 | 27°53'47 | 1♐10 | 19°16 | 22° 9 | 10°16 | 10°50 | 6°42 | 5°53 | 2°26 | 23°46 | 19° 8 | 18°26 | 22°33 | 0° 6 | M21 |
| T 22 | 2 2 58 | 28°52'55 | 12°59 | 19°R16 | 23°24 | 10°56 | 11° 3 | 6°49 | 5°52 | 2°28 | 23°48 | 19° 7 | 18°22 | 22°40 | 0° 3 | T 22 |
| W23 | 2 6 55 | 29°52'06 | 24°52 | 19°10 | 24°38 | 11°36 | 11°15 | 6°57 | 5°51 | 2°30 | 23°49 | 19° 5 | 18°19 | 22°46 | 0° 1 | W23 |
| T 24 | 2 10 52 | 0♏51'18 | 6♑53 | 18°55 | 25°53 | 12°17 | 11°28 | 7° 4 | 5°51 | 2°32 | 23°51 | 19° 4 | 18°16 | 22°53 | 29♓59 | T 24 |
| F 25 | 2 14 48 | 1°50'32 | 19° 5 | 18°33 | 27° 8 | 12°57 | 11°41 | 7°11 | 5°50 | 2°34 | 23°53 | 19° 3 | 18°13 | 23° 0 | 29°56 | F 25 |
| S 26 | 2 18 45 | 2°49'48 | 1♒33 | 18° 2 | 28°23 | 13°37 | 11°54 | 7°18 | 5°49 | 2°36 | 23°54 | 19°D 3 | 18°10 | 23° 6 | 29°54 | S 26 |
| S 27 | 2 22 41 | 3°49'06 | 14°21 | 17°24 | 29°38 | 14°17 | 12° 7 | 7°26 | 5°49 | 2°38 | 23°56 | 19° 3 | 18° 7 | 23°13 | 29°52 | S 27 |
| M28 | 2 26 38 | 4°48'25 | 27°32 | 16°37 | 0♏53 | 14°58 | 12°20 | 7°33 | 5°48 | 2°40 | 23°58 | 19° 4 | 18° 3 | 23°20 | 29°50 | M28 |
| T 29 | 2 30 34 | 5°47'46 | 11♓10 | 15°42 | 2° 8 | 15°38 | 12°33 | 7°40 | 5°47 | 2°42 | 23°59 | 19° 5 | 18° 0 | 23°26 | 29°48 | T 29 |
| W30 | 2 34 31 | 6°47'08 | 25°14 | 14°41 | 3°23 | 16°19 | 12°46 | 7°48 | 5°46 | 2°44 | 24° 1 | 19° 6 | 17°57 | 23°33 | 29°46 | W30 |
| T 31 | 2 38 27 | 7♏46'33 | 9♈45 | 13♏34 | 4♏38 | 16♏59 | 12♏59 | 7♏55 | 5♋45 | 2♐46 | 24♍ 3 | 19♈ 7 | 17♈54 | 23♏40 | 29♓43 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 3s17 | 13s52 | 3s48 | 14s22 | 1s55 | 2n23 | 1n25 | 10s 2 | 0n22 | 12s43 | 1n 0 | 10s48 | 2n14 | 23n23 | 0n11 | 18s51 | 1n37 | 14n26 | 12n46 | 7n28 | 7n35 | 20s17 | 3n50 | 3n46 |
| W 2 | 3 39 | 7 36 | 2 48 | 14 54 | 2 3 | 1 54 | 1 25 | 10 17 | 0 22 | 12 47 | 1 0 | 10 50 | 2 14 | 23 23 | 0 11 | 18 51 | 1 37 | 14 25 | 12 46 | 7 28 | 7 34 | 20 20 | 3 49 | 3 45 |
| T 3 | 4 2 | 0 46 | 1 35 | 15 26 | 2 11 | 1 25 | 1 26 | 10 31 | 0 21 | 12 51 | 1 0 | 10 52 | 2 14 | 23 23 | 0 11 | 18 51 | 1 37 | 14 25 | 12 47 | 7 27 | 7 33 | 20 22 | 3 48 | 3 45 |
| F 4 | 4 25 | 6n14 | 0 15 | 15 56 | 2 18 | 0 56 | 1 26 | 10 45 | 0 20 | 12 55 | 1 0 | 10 55 | 2 14 | 23 23 | 0 11 | 18 52 | 1 37 | 14 24 | 12 47 | 7 27 | 7 32 | 20 25 | 3 46 | 3 45 |
| S 5 | 4 48 | 12 58 | 1n 8 | 16 25 | 2 26 | 0 27 | 1 26 | 11 0 | 0 20 | 12 59 | 1 0 | 10 57 | 2 14 | 23 23 | 0 11 | 18 52 | 1 37 | 14 23 | 12 47 | 7 27 | 7 30 | 20 27 | 3 45 | 3 45 |
| S 6 | 5 11 | 18 58 | 2 26 | 16 53 | 2 33 | 0s 3 | 1 27 | 11 14 | 0 19 | 13 3 | 1 0 | 11 0 | 2 14 | 23 23 | 0 11 | 18 52 | 1 37 | 14 23 | 12 47 | 7 27 | 7 29 | 20 30 | 3 44 | 3 45 |
| M 7 | 5 33 | 23 46 | 3 33 | 17 20 | 2 40 | 0 32 | 1 27 | 11 28 | 0 19 | 13 7 | 1 0 | 11 2 | 2 13 | 23 23 | 0 11 | 18 53 | 1 37 | 14 22 | 12 47 | 7 28 | 7 28 | 20 32 | 3 43 | 3 45 |
| T 8 | 5 56 | 26 58 | 4 25 | 17 46 | 2 46 | 1 1 | 1 27 | 11 42 | 0 18 | 13 11 | 1 0 | 11 4 | 2 13 | 23 23 | 0 11 | 18 53 | 1 37 | 14 22 | 12 48 | 7 28 | 7 27 | 20 35 | 3 42 | 3 45 |
| W 9 | 6 18 | 28 19 | 5 0 | 18 10 | 2 53 | 1 31 | 1 27 | 11 56 | 0 18 | 13 15 | 1 0 | 11 7 | 2 13 | 23 23 | 0 11 | 18 53 | 1 37 | 14 21 | 12 48 | 7 28 | 7 26 | 20 37 | 3 41 | 3 45 |
| T 10 | 6 41 | 27 49 | 5 16 | 18 33 | 2 59 | 2 0 | 1 27 | 12 10 | 0 17 | 13 19 | 1 0 | 11 9 | 2 13 | 23 23 | 0 11 | 18 54 | 1 37 | 14 20 | 12 48 | 7 28 | 7 24 | 20 40 | 3 39 | 3 44 |
| F 11 | 7 3 | 25 39 | 5 14 | 18 55 | 3 4 | 2 29 | 1 27 | 12 24 | 0 16 | 13 24 | 0 59 | 11 12 | 2 13 | 23 23 | 0 11 | 18 54 | 1 37 | 14 20 | 12 48 | 7 28 | 7 23 | 20 42 | 3 38 | 3 44 |
| S 12 | 7 25 | 22 6 | 4 55 | 19 15 | 3 10 | 2 59 | 1 26 | 12 38 | 0 16 | 13 28 | 0 59 | 11 14 | 2 13 | 23 23 | 0 11 | 18 54 | 1 37 | 14 19 | 12 48 | 7 28 | 7 22 | 20 45 | 3 37 | 3 44 |
| S 13 | 7 48 | 17 33 | 4 21 | 19 33 | 3 15 | 3 28 | 1 26 | 12 52 | 0 15 | 13 32 | 0 59 | 11 16 | 2 13 | 23 23 | 0 11 | 18 55 | 1 37 | 14 19 | 12 49 | 7 28 | 7 21 | 20 47 | 3 36 | 3 44 |
| M14 | 8 10 | 12 19 | 3 35 | 19 50 | 3 19 | 3 57 | 1 26 | 13 6 | 0 15 | 13 36 | 0 59 | 11 19 | 2 13 | 23 23 | 0 12 | 18 55 | 1 37 | 14 18 | 12 49 | 7 28 | 7 20 | 20 50 | 3 35 | 3 44 |
| T 15 | 8 31 | 6 41 | 2 39 | 20 5 | 3 23 | 4 26 | 1 25 | 13 19 | 0 14 | 13 40 | 0 59 | 11 21 | 2 13 | 23 23 | 0 12 | 18 56 | 1 37 | 14 18 | 12 49 | 7 28 | 7 18 | 20 52 | 3 34 | 3 44 |
| W16 | 8 53 | 0 53 | 1 37 | 20 18 | 3 26 | 4 55 | 1 25 | 13 33 | 0 14 | 13 44 | 0 59 | 11 24 | 2 13 | 23 23 | 0 12 | 18 56 | 1 36 | 14 17 | 12 49 | 7 28 | 7 17 | 20 54 | 3 32 | 3 44 |
| T 17 | 9 15 | 4s53 | 0 31 | 20 29 | 3 29 | 5 24 | 1 24 | 13 46 | 0 13 | 13 48 | 0 59 | 11 26 | 2 13 | 23 23 | 0 12 | 18 56 | 1 36 | 14 17 | 12 50 | 7 28 | 7 16 | 20 57 | 3 31 | 3 43 |
| F 18 | 9 37 | 10 25 | 0s36 | 20 38 | 3 31 | 5 53 | 1 24 | 14 0 | 0 12 | 13 52 | 0 59 | 11 28 | 2 13 | 23 23 | 0 12 | 18 57 | 1 36 | 14 16 | 12 50 | 7 28 | 7 15 | 20 59 | 3 30 | 3 43 |
| S 19 | 9 58 | 15 32 | 1 40 | 20 45 | 3 32 | 6 22 | 1 23 | 14 13 | 0 12 | 13 56 | 0 59 | 11 31 | 2 13 | 23 23 | 0 12 | 18 57 | 1 36 | 14 16 | 12 50 | 7 28 | 7 14 | 21 2 | 3 29 | 3 43 |
| S 20 | 10 19 | 20 3 | 2 40 | 20 49 | 3 32 | 6 51 | 1 22 | 14 26 | 0 11 | 14 0 | 0 59 | 11 33 | 2 13 | 23 23 | 0 12 | 18 58 | 1 36 | 14 15 | 12 50 | 7 28 | 7 12 | 21 4 | 3 28 | 3 43 |
| M21 | 10 40 | 23 45 | 3 32 | 20 50 | 3 31 | 7 19 | 1 22 | 14 39 | 0 11 | 14 4 | 0 59 | 11 36 | 2 13 | 23 23 | 0 12 | 18 58 | 1 36 | 14 15 | 12 51 | 7 27 | 7 11 | 21 7 | 3 27 | 3 43 |
| T 22 | 11 1 | 26 28 | 4 16 | 20 48 | 3 28 | 7 47 | 1 21 | 14 52 | 0 10 | 14 8 | 0 59 | 11 38 | 2 13 | 23 23 | 0 12 | 18 58 | 1 36 | 14 14 | 12 51 | 7 27 | 7 10 | 21 9 | 3 26 | 3 43 |
| W23 | 11 22 | 28 2 | 4 49 | 20 43 | 3 25 | 8 16 | 1 20 | 15 5 | 0 10 | 14 12 | 0 59 | 11 40 | 2 13 | 23 23 | 0 12 | 18 59 | 1 36 | 14 14 | 12 51 | 7 26 | 7 9 | 21 11 | 3 25 | 3 42 |
| T 24 | 11 43 | 28 17 | 5 9 | 20 34 | 3 20 | 8 44 | 1 19 | 15 18 | 0 9 | 14 16 | 0 59 | 11 43 | 2 13 | 23 23 | 0 12 | 18 59 | 1 36 | 14 14 | 12 52 | 7 26 | 7 8 | 21 14 | 3 23 | 3 42 |
| F 25 | 12 3 | 27 11 | 5 17 | 20 21 | 3 13 | 9 11 | 1 18 | 15 31 | 0 8 | 14 20 | 0 59 | 11 45 | 2 13 | 23 23 | 0 12 | 19 0 | 1 36 | 14 13 | 12 52 | 7 25 | 7 6 | 21 16 | 3 22 | 3 42 |
| S 26 | 12 24 | 24 44 | 5 9 | 20 5 | 3 5 | 9 39 | 1 17 | 15 43 | 0 8 | 14 24 | 0 58 | 11 47 | 2 13 | 23 23 | 0 12 | 19 0 | 1 36 | 14 13 | 12 52 | 7 25 | 7 5 | 21 19 | 3 21 | 3 42 |
| S 27 | 12 44 | 21 0 | 4 46 | 19 45 | 2 56 | 10 6 | 1 16 | 15 56 | 0 7 | 14 28 | 0 58 | 11 50 | 2 13 | 23 23 | 0 12 | 19 0 | 1 36 | 14 12 | 12 53 | 7 25 | 7 4 | 21 21 | 3 20 | 3 42 |
| M28 | 13 4 | 16 9 | 4 8 | 19 20 | 2 44 | 10 34 | 1 14 | 16 8 | 0 7 | 14 32 | 0 58 | 11 52 | 2 12 | 23 23 | 0 12 | 19 1 | 1 36 | 14 12 | 12 53 | 7 26 | 7 3 | 21 23 | 3 19 | 3 41 |
| T 29 | 13 23 | 10 21 | 3 15 | 18 52 | 2 31 | 11 1 | 1 13 | 16 20 | 0 6 | 14 36 | 0 58 | 11 55 | 2 12 | 23 23 | 0 12 | 19 1 | 1 36 | 14 12 | 12 53 | 7 26 | 7 2 | 21 26 | 3 18 | 3 41 |
| W30 | 13 43 | 3 51 | 2 8 | 18 19 | 2 16 | 11 27 | 1 12 | 16 33 | 0 6 | 14 40 | 0 58 | 11 57 | 2 12 | 23 23 | 0 12 | 19 2 | 1 36 | 14 11 | 12 53 | 7 27 | 7 0 | 21 28 | 3 17 | 3 41 |
| T 31 | 14s 2 | 3n 3 | 0s52 | 17s43 | 1s59 | 11s54 | 1n10 | 16s45 | 0n 5 | 14s44 | 0n58 | 11s59 | 2n12 | 23n23 | 0n12 | 19s 2 | 1n36 | 14n11 | 12n54 | 7n27 | 6n59 | 21s31 | 3n16 | 3n41 |

Julian Day Number = 2800259.5, Delta T = 50m04s
Ecliptic obliquity = 23°19'05, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°06'16, Lahiri = 37°13'16


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# ASTRODIENST EPHEMERIS for the year 2954
# geocentric

## NOVEMBER 2954 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 2 42 24 | 8♏45'59 | 24♈38 | 12°R23 | 5♏53 | 17♏39 | 13♏12 | 8♏ 2 | 5°R44 | 2♐48 | 24♍ 4 | 19°R 7 | 17♈51 | 23♏46 | 29°R41 | F 1 |
| S 2 | 2 46 21 | 9°45'27 | 9♉46 | 11♏ 9 | 7° 8 | 18°20 | 13°25 | 8°10 | 5♋43 | 2°50 | 24° 6 | 19♈ 6 | 17°47 | 23°53 | 29♓40 | S 2 |
| S 3 | 2 50 17 | 10°44'57 | 24°59 | 9°56 | 8°23 | 19° 1 | 13°38 | 8°17 | 5°42 | 2°52 | 24° 7 | 19° 5 | 17°44 | 24° 0 | 29°38 | S 3 |
| M 4 | 2 54 14 | 11°44'29 | 10♊ 9 | 8°43 | 9°38 | 19°41 | 13°51 | 8°24 | 5°41 | 2°54 | 24° 9 | 19° 2 | 17°41 | 24° 6 | 29°36 | M 4 |
| T 5 | 2 58 10 | 12°44'04 | 25° 6 | 7°35 | 10°53 | 20°22 | 14° 4 | 8°32 | 5°39 | 2°56 | 24°10 | 18°59 | 17°38 | 24°13 | 29°34 | T 5 |
| W 6 | 3 2 7 | 13°43'41 | 9♋41 | 6°33 | 12° 8 | 21° 3 | 14°17 | 8°39 | 5°38 | 2°59 | 24°12 | 18°55 | 17°35 | 24°20 | 29°32 | W 6 |
| T 7 | 3 6 3 | 14°43'19 | 23°51 | 5°38 | 13°23 | 21°44 | 14°30 | 8°46 | 5°37 | 3° 1 | 24°13 | 18°53 | 17°32 | 24°26 | 29°30 | T 7 |
| F 8 | 3 10 0 | 15°43'00 | 7♌35 | 4°53 | 14°38 | 22°24 | 14°43 | 8°54 | 5°36 | 3° 3 | 24°15 | 18°52 | 17°28 | 24°33 | 29°29 | F 8 |
| S 9 | 3 13 56 | 16°42'44 | 20°51 | 4°18 | 15°53 | 23° 5 | 14°56 | 9° 1 | 5°34 | 3° 5 | 24°16 | 18°D51 | 17°25 | 24°40 | 29°27 | S 9 |
| S 10 | 3 17 53 | 17°42'29 | 3♍45 | 3°55 | 17° 8 | 23°46 | 15°10 | 9° 8 | 5°33 | 3° 7 | 24°18 | 18°52 | 17°22 | 24°46 | 29°25 | S 10 |
| M11 | 3 21 50 | 18°42'16 | 16°18 | 3°43 | 18°24 | 24°27 | 15°23 | 9°16 | 5°31 | 3° 9 | 24°19 | 18°54 | 17°19 | 24°53 | 29°24 | M11 |
| T 12 | 3 25 46 | 19°42'06 | 28°36 | 3°D42 | 19°39 | 25° 8 | 15°36 | 9°23 | 5°30 | 3°12 | 24°20 | 18°56 | 17°16 | 25° 0 | 29°22 | T 12 |
| W13 | 3 29 43 | 20°41'58 | 10♎41 | 3°52 | 20°54 | 25°49 | 15°49 | 9°30 | 5°28 | 3°14 | 24°22 | 18°57 | 17°12 | 25° 6 | 29°21 | W13 |
| T 14 | 3 33 39 | 21°41'52 | 22°38 | 4°13 | 22° 9 | 26°31 | 16° 2 | 9°37 | 5°27 | 3°16 | 24°23 | 18°R57 | 17° 9 | 25°13 | 29°19 | T 14 |
| F 15 | 3 37 36 | 22°41'48 | 4♏30 | 4°43 | 23°24 | 27°12 | 16°15 | 9°45 | 5°25 | 3°18 | 24°24 | 18°56 | 17° 6 | 25°20 | 29°18 | F 15 |
| S 16 | 3 41 32 | 23°41'45 | 16°19 | 5°23 | 24°39 | 27°53 | 16°28 | 9°52 | 5°23 | 3°20 | 24°25 | 18°53 | 17° 3 | 25°26 | 29°17 | S 16 |
| S 17 | 3 45 29 | 24°41'45 | 28° 8 | 6°10 | 25°55 | 28°34 | 16°41 | 9°59 | 5°22 | 3°23 | 24°27 | 18°48 | 17° 0 | 25°33 | 29°15 | S 17 |
| M18 | 3 49 25 | 25°41'47 | 9♐58 | 7° 5 | 27°10 | 29°16 | 16°54 | 10° 6 | 5°20 | 3°25 | 24°28 | 18°42 | 16°57 | 25°40 | 29°14 | M18 |
| T 19 | 3 53 22 | 26°41'50 | 21°51 | 8° 6 | 28°25 | 29°57 | 17° 7 | 10°13 | 5°18 | 3°27 | 24°29 | 18°34 | 16°53 | 25°46 | 29°13 | T 19 |
| W20 | 3 57 19 | 27°41'55 | 3♑49 | 9°13 | 29°40 | 0♐39 | 17°20 | 10°21 | 5°16 | 3°29 | 24°30 | 18°27 | 16°50 | 25°53 | 29°12 | W20 |
| T 21 | 4 1 15 | 28°42'02 | 15°55 | 10°25 | 0♐55 | 1°20 | 17°33 | 10°28 | 5°14 | 3°32 | 24°31 | 18°20 | 16°47 | 26° 0 | 29°11 | T 21 |
| F 22 | 4 5 12 | 29°42'10 | 28°10 | 11°40 | 2°11 | 2° 2 | 17°46 | 10°35 | 5°12 | 3°34 | 24°32 | 18°14 | 16°44 | 26° 6 | 29°10 | F 22 |
| S 23 | 4 9 8 | 0♐42'20 | 10♒38 | 12°59 | 3°26 | 2°43 | 17°58 | 10°42 | 5°10 | 3°36 | 24°33 | 18°10 | 16°41 | 26°13 | 29° 9 | S 23 |
| S 24 | 4 13 5 | 1°42'31 | 23°22 | 14°22 | 4°41 | 3°25 | 18°11 | 10°49 | 5° 8 | 3°38 | 24°35 | 18° 8 | 16°38 | 26°20 | 29° 8 | S 24 |
| M25 | 4 17 1 | 2°42'44 | 6♓25 | 15°46 | 5°56 | 4° 7 | 18°24 | 10°56 | 5° 6 | 3°41 | 24°36 | 18°D 8 | 16°34 | 26°26 | 29° 7 | M25 |
| T 26 | 4 20 58 | 3°42'58 | 19°52 | 17°13 | 7°11 | 4°48 | 18°37 | 11° 3 | 5° 4 | 3°43 | 24°36 | 18° 9 | 16°31 | 26°33 | 29° 6 | T 26 |
| W27 | 4 24 54 | 4°43'14 | 3♈43 | 18°42 | 8°27 | 5°30 | 18°50 | 11°10 | 5° 2 | 3°45 | 24°37 | 18°10 | 16°28 | 26°40 | 29° 5 | W27 |
| T 28 | 4 28 51 | 5°43'30 | 18° 1 | 20°12 | 9°42 | 6°12 | 19° 3 | 11°17 | 5° 0 | 3°47 | 24°38 | 18°R11 | 16°25 | 26°47 | 29° 5 | T 28 |
| F 29 | 4 32 48 | 6°43'49 | 2♉44 | 21°43 | 10°57 | 6°54 | 19°16 | 11°24 | 4°58 | 3°50 | 24°39 | 18°10 | 16°22 | 26°53 | 29° 4 | F 29 |
| S 30 | 4 36 44 | 7♐44'08 | 17♉46 | 23♏15 | 12♐12 | 7♐36 | 19♏28 | 11♏30 | 4♋56 | 3♐52 | 24♍40 | 18♈ 7 | 16♈18 | 27♏ 0 | 29♓ 3 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14s21 | 9n58 | 0n30 | 17s 5 | 1s41 | 12s20 | 1n 9 | 16s56 | 0n 4 | 14s48 | 0n58 | 12s 2 | 2n12 | 23n24 | 0n12 | 19s 3 | 1n36 | 14n11 | 12n54 | 7n27 | 6n58 | 21s33 | 3n15 | 3n41 |
| S 2 | 14 40 | 16 26 | 1 51 | 16 23 | 1 21 | 12 46 | 1 8 | 17 8 | 0 4 | 14 52 | 0 58 | 12 4 | 2 12 | 23 24 | 0 12 | 19 3 | 1 36 | 14 10 | 12 54 | 7 27 | 6 57 | 21 35 | 3 14 | 3 40 |
| S 3 | 14 58 | 21 55 | 3 5 | 15 41 | 1 1 | 13 11 | 1 6 | 17 20 | 0 3 | 14 56 | 0 58 | 12 6 | 2 12 | 23 24 | 0 12 | 19 3 | 1 36 | 14 10 | 12 55 | 7 26 | 6 56 | 21 38 | 3 13 | 3 40 |
| M 4 | 15 17 | 25 54 | 4 5 | 14 59 | 0 41 | 13 36 | 1 4 | 17 32 | 0 3 | 15 0 | 0 58 | 12 9 | 2 12 | 23 24 | 0 12 | 19 4 | 1 36 | 14 10 | 12 55 | 7 25 | 6 54 | 21 40 | 3 12 | 3 40 |
| T 5 | 15 35 | 28 1 | 4 48 | 14 17 | 0 20 | 14 1 | 1 3 | 17 43 | 0 2 | 15 3 | 0 58 | 12 11 | 2 12 | 23 24 | 0 12 | 19 4 | 1 36 | 14 9 | 12 56 | 7 24 | 6 53 | 21 42 | 3 11 | 3 40 |
| W 6 | 15 53 | 28 7 | 5 10 | 13 38 | 0n 0 | 14 26 | 1 1 | 17 54 | 0 2 | 15 7 | 0 58 | 12 13 | 2 12 | 23 24 | 0 12 | 19 5 | 1 36 | 14 9 | 12 56 | 7 23 | 6 52 | 21 45 | 3 10 | 3 39 |
| T 7 | 16 10 | 26 22 | 5 13 | 13 1 | 0 20 | 14 50 | 0 59 | 18 5 | 0 1 | 15 11 | 0 58 | 12 16 | 2 13 | 23 24 | 0 12 | 19 5 | 1 36 | 14 9 | 12 56 | 7 22 | 6 51 | 21 47 | 3 10 | 3 39 |
| F 8 | 16 28 | 23 5 | 4 58 | 12 29 | 0 38 | 15 14 | 0 58 | 18 16 | 0 0 | 15 15 | 0 58 | 12 18 | 2 13 | 23 24 | 0 12 | 19 6 | 1 36 | 14 9 | 12 57 | 7 21 | 6 50 | 21 49 | 3 9 | 3 39 |
| S 9 | 16 45 | 18 41 | 4 27 | 12 1 | 0 55 | 15 37 | 0 56 | 18 27 | 0s 0 | 15 19 | 0 58 | 12 20 | 2 13 | 23 24 | 0 12 | 19 6 | 1 36 | 14 8 | 12 57 | 7 21 | 6 48 | 21 52 | 3 8 | 3 39 |
| S 10 | 17 2 | 13 33 | 3 43 | 11 39 | 1 11 | 16 0 | 0 54 | 18 38 | 0 1 | 15 23 | 0 58 | 12 22 | 2 13 | 23 24 | 0 12 | 19 6 | 1 36 | 14 8 | 12 57 | 7 21 | 6 47 | 21 54 | 3 7 | 3 38 |
| M11 | 17 18 | 7 59 | 2 50 | 11 22 | 1 24 | 16 23 | 0 52 | 18 49 | 0 1 | 15 26 | 0 58 | 12 25 | 2 13 | 23 24 | 0 12 | 19 7 | 1 36 | 14 8 | 12 58 | 7 22 | 6 46 | 21 56 | 3 6 | 3 38 |
| T 12 | 17 34 | 2 14 | 1 49 | 11 10 | 1 36 | 16 45 | 0 50 | 18 59 | 0 2 | 15 30 | 0 58 | 12 27 | 2 13 | 23 24 | 0 12 | 19 7 | 1 36 | 14 8 | 12 58 | 7 23 | 6 45 | 21 59 | 3 5 | 3 38 |
| W13 | 17 50 | 3s31 | 0 45 | 11 4 | 1 46 | 17 7 | 0 48 | 19 9 | 0 3 | 15 34 | 0 58 | 12 29 | 2 13 | 23 24 | 0 12 | 19 8 | 1 36 | 14 8 | 12 59 | 7 23 | 6 44 | 22 1 | 3 4 | 3 38 |
| T 14 | 18 6 | 9 4 | 0s20 | 11 3 | 1 55 | 17 28 | 0 46 | 19 20 | 0 3 | 15 38 | 0 58 | 12 31 | 2 13 | 23 24 | 0 12 | 19 8 | 1 36 | 14 8 | 12 59 | 7 23 | 6 42 | 22 3 | 3 4 | 3 38 |
| F 15 | 18 21 | 14 16 | 1 24 | 11 7 | 2 2 | 17 49 | 0 44 | 19 30 | 0 4 | 15 41 | 0 58 | 12 34 | 2 13 | 23 25 | 0 12 | 19 9 | 1 36 | 14 7 | 12 59 | 7 23 | 6 41 | 22 6 | 3 3 | 3 37 |
| S 16 | 18 36 | 18 56 | 2 24 | 11 15 | 2 7 | 18 9 | 0 42 | 19 39 | 0 4 | 15 45 | 0 58 | 12 36 | 2 13 | 23 25 | 0 12 | 19 9 | 1 36 | 14 7 | 13 0 | 7 22 | 6 40 | 22 8 | 3 2 | 3 37 |
| S 17 | 18 51 | 22 51 | 3 17 | 11 27 | 2 10 | 18 29 | 0 40 | 19 49 | 0 5 | 15 49 | 0 58 | 12 38 | 2 13 | 23 25 | 0 12 | 19 9 | 1 36 | 14 7 | 13 0 | 7 20 | 6 39 | 22 10 | 3 1 | 3 37 |
| M18 | 19 5 | 25 49 | 4 2 | 11 43 | 2 13 | 18 49 | 0 38 | 19 59 | 0 5 | 15 53 | 0 58 | 12 40 | 2 13 | 23 25 | 0 12 | 19 10 | 1 36 | 14 7 | 13 1 | 7 17 | 6 37 | 22 12 | 3 1 | 3 37 |
| T 19 | 19 19 | 27 40 | 4 37 | 12 1 | 2 14 | 19 7 | 0 36 | 20 8 | 0 6 | 15 56 | 0 58 | 12 42 | 2 13 | 23 25 | 0 12 | 19 10 | 1 36 | 14 7 | 13 1 | 7 15 | 6 36 | 22 15 | 3 0 | 3 36 |
| W20 | 19 33 | 28 15 | 5 0 | 12 23 | 2 14 | 19 26 | 0 34 | 20 17 | 0 7 | 16 0 | 0 58 | 12 44 | 2 13 | 23 25 | 0 12 | 19 11 | 1 36 | 14 7 | 13 1 | 7 12 | 6 35 | 22 17 | 2 59 | 3 36 |
| T 21 | 19 46 | 27 29 | 5 9 | 12 46 | 2 13 | 19 44 | 0 31 | 20 26 | 0 7 | 16 3 | 0 58 | 12 47 | 2 13 | 23 25 | 0 12 | 19 11 | 1 36 | 14 7 | 13 2 | 7 9 | 6 34 | 22 19 | 2 59 | 3 36 |
| F 22 | 19 59 | 25 24 | 5 5 | 13 11 | 2 11 | 20 1 | 0 29 | 20 35 | 0 8 | 16 7 | 0 58 | 12 49 | 2 13 | 23 25 | 0 12 | 19 12 | 1 36 | 14 7 | 13 2 | 7 7 | 6 33 | 22 22 | 2 58 | 3 36 |
| S 23 | 20 12 | 22 4 | 4 46 | 13 37 | 2 8 | 20 18 | 0 27 | 20 44 | 0 8 | 16 11 | 0 58 | 12 51 | 2 13 | 23 25 | 0 12 | 19 12 | 1 36 | 14 7 | 13 3 | 7 5 | 6 31 | 22 24 | 2 57 | 3 35 |
| S 24 | 20 24 | 17 39 | 4 13 | 14 5 | 2 5 | 20 34 | 0 25 | 20 53 | 0 9 | 16 14 | 0 58 | 12 53 | 2 13 | 23 25 | 0 12 | 19 12 | 1 36 | 14 7 | 13 3 | 7 5 | 6 30 | 22 26 | 2 57 | 3 35 |
| M25 | 20 36 | 12 18 | 3 26 | 14 33 | 2 1 | 20 49 | 0 22 | 21 1 | 0 10 | 16 18 | 0 58 | 12 55 | 2 13 | 23 25 | 0 12 | 19 13 | 1 36 | 14 7 | 13 3 | 7 4 | 6 29 | 22 28 | 2 56 | 3 35 |
| T 26 | 20 47 | 6 15 | 2 27 | 15 2 | 1 56 | 21 4 | 0 20 | 21 9 | 0 10 | 16 21 | 0 58 | 12 57 | 2 13 | 23 26 | 0 12 | 19 13 | 1 36 | 14 7 | 13 4 | 7 5 | 6 28 | 22 31 | 2 56 | 3 34 |
| W27 | 20 58 | 0n17 | 1 17 | 15 31 | 1 51 | 21 19 | 0 18 | 21 17 | 0 11 | 16 25 | 0 58 | 12 59 | 2 13 | 23 26 | 0 12 | 19 14 | 1 36 | 14 7 | 13 4 | 7 5 | 6 27 | 22 33 | 2 55 | 3 34 |
| T 28 | 21 9 | 7 1 | 0 1 | 16 0 | 1 46 | 21 32 | 0 15 | 21 25 | 0 11 | 16 28 | 0 58 | 13 1 | 2 14 | 23 26 | 0 12 | 19 14 | 1 36 | 14 7 | 13 5 | 7 6 | 6 25 | 22 35 | 2 55 | 3 34 |
| F 29 | 21 19 | 13 34 | 1n18 | 16 29 | 1 40 | 21 46 | 0 13 | 21 33 | 0 12 | 16 32 | 0 58 | 13 3 | 2 14 | 23 26 | 0 12 | 19 14 | 1 36 | 14 7 | 13 5 | 7 5 | 6 24 | 22 37 | 2 54 | 3 34 |
| S 30 | 21s29 | 19n29 | 2n32 | 16s58 | 1n34 | 21s58 | 0n11 | 21s40 | 0s12 | 16s35 | 0n58 | 13s 5 | 2n14 | 23n26 | 0n12 | 19s15 | 1n36 | 14n 7 | 13n 6 | 7n 4 | 6n23 | 22s39 | 2n54 | 3n33 |

Julian Day Number = 2800290.5, Delta T = 50m05s
Ecliptic obliquity = 23°19'05, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°06'20, Lahiri = 37°13'21


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# ASTRODIENST EPHEMERIS for the year 2954
# geocentric

## DECEMBER 2954 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 40 41 | 8♐44'30 | 3♊ 1 | 24♏48 | 13♐28 | 8♐18 | 19♏41 | 11♏37 | 4°R54 | 3♐54 | 24♍41 | 18°R 1 | 16♈15 | 27♏ 7 | 29°R 3 | S 1 |
| M 2 | 4 44 37 | 9°44'52 | 18°18 | 26°21 | 14°43 | 9° 0 | 19°54 | 11°44 | 4♋51 | 3°56 | 24°42 | 17♈54 | 16°12 | 27°13 | 29♓ 2 | M 2 |
| T 3 | 4 48 34 | 10°45'17 | 3♋26 | 27°55 | 15°58 | 9°42 | 20° 6 | 11°51 | 4°49 | 3°58 | 24°43 | 17°46 | 16° 9 | 27°20 | 29° 2 | T 3 |
| W 4 | 4 52 30 | 11°45'43 | 18°15 | 29°29 | 17°13 | 10°24 | 20°19 | 11°58 | 4°47 | 4° 1 | 24°43 | 17°37 | 16° 6 | 27°27 | 29° 2 | W 4 |
| T 5 | 4 56 27 | 12°46'11 | 2♌38 | 1♐ 4 | 18°29 | 11° 6 | 20°32 | 12° 4 | 4°45 | 4° 3 | 24°44 | 17°30 | 16° 3 | 27°33 | 29° 1 | T 5 |
| F 6 | 5 0 24 | 13°46'41 | 16°32 | 2°38 | 19°44 | 11°48 | 20°44 | 12°11 | 4°42 | 4° 5 | 24°45 | 17°24 | 15°59 | 27°40 | 29° 1 | F 6 |
| S 7 | 5 4 20 | 14°47'12 | 29°55 | 4°13 | 20°59 | 12°31 | 20°57 | 12°17 | 4°40 | 4° 7 | 24°45 | 17°21 | 15°56 | 27°47 | 29° 1 | S 7 |
| S 8 | 5 8 17 | 15°47'45 | 12♍51 | 5°48 | 22°15 | 13°13 | 21° 9 | 12°24 | 4°38 | 4°10 | 24°46 | 17°D20 | 15°53 | 27°53 | 29° 1 | S 8 |
| M 9 | 5 12 13 | 16°48'19 | 25°23 | 7°22 | 23°30 | 13°55 | 21°21 | 12°31 | 4°35 | 4°12 | 24°47 | 17°20 | 15°50 | 28° 0 | 29° 1 | M 9 |
| T 10 | 5 16 10 | 17°48'56 | 7♎37 | 8°57 | 24°45 | 14°38 | 21°34 | 12°37 | 4°33 | 4°14 | 24°47 | 17°21 | 15°47 | 28° 7 | 29°D 1 | T 10 |
| W11 | 5 20 6 | 18°49'34 | 19°38 | 10°32 | 26° 0 | 15°20 | 21°46 | 12°43 | 4°30 | 4°16 | 24°48 | 17°R21 | 15°44 | 28°13 | 29° 1 | W11 |
| T 12 | 5 24 3 | 19°50'13 | 1♏30 | 12° 7 | 27°16 | 16° 3 | 21°59 | 12°50 | 4°28 | 4°18 | 24°48 | 17°20 | 15°40 | 28°20 | 29° 1 | T 12 |
| F 13 | 5 27 59 | 20°50'54 | 13°18 | 13°41 | 28°31 | 16°45 | 22°11 | 12°56 | 4°26 | 4°21 | 24°49 | 17°17 | 15°37 | 28°27 | 29° 1 | F 13 |
| S 14 | 5 31 56 | 21°51'37 | 25° 5 | 15°16 | 29°46 | 17°28 | 22°23 | 13° 2 | 4°23 | 4°23 | 24°49 | 17°10 | 15°34 | 28°33 | 29° 1 | S 14 |
| S 15 | 5 35 53 | 22°52'21 | 6♐56 | 16°50 | 1♑ 2 | 18°11 | 22°35 | 13° 9 | 4°21 | 4°25 | 24°49 | 17° 1 | 15°31 | 28°40 | 29° 1 | S 15 |
| M16 | 5 39 49 | 23°53'06 | 18°50 | 18°25 | 2°17 | 18°53 | 22°47 | 13°15 | 4°18 | 4°27 | 24°50 | 16°50 | 15°28 | 28°47 | 29° 2 | M16 |
| T 17 | 5 43 46 | 24°53'52 | 0♑52 | 19°59 | 3°32 | 19°36 | 22°59 | 13°21 | 4°16 | 4°29 | 24°50 | 16°37 | 15°25 | 28°53 | 29° 2 | T 17 |
| W18 | 5 47 42 | 25°54'40 | 13° 0 | 21°33 | 4°48 | 20°19 | 23°11 | 13°27 | 4°13 | 4°31 | 24°50 | 16°23 | 15°21 | 29° 0 | 29° 3 | W18 |
| T 19 | 5 51 39 | 26°55'29 | 25°16 | 23° 7 | 6° 3 | 21° 2 | 23°23 | 13°33 | 4°11 | 4°33 | 24°51 | 16°10 | 15°18 | 29° 7 | 29° 3 | T 19 |
| F 20 | 5 55 35 | 27°56'19 | 7♒42 | 24°42 | 7°18 | 21°45 | 23°35 | 13°39 | 4° 8 | 4°36 | 24°51 | 15°59 | 15°15 | 29°14 | 29° 4 | F 20 |
| S 21 | 5 59 32 | 28°57'09 | 20°18 | 26°16 | 8°34 | 22°28 | 23°47 | 13°45 | 4° 6 | 4°38 | 24°51 | 15°51 | 15°12 | 29°20 | 29° 4 | S 21 |
| S 22 | 6 3 28 | 29°58'00 | 3♓ 7 | 27°50 | 9°49 | 23°11 | 23°59 | 13°51 | 4° 3 | 4°40 | 24°51 | 15°45 | 15° 9 | 29°27 | 29° 5 | S 22 |
| M23 | 6 7 25 | 0♑58'52 | 16°10 | 29°24 | 11° 4 | 23°54 | 24°10 | 13°57 | 4° 0 | 4°42 | 24°51 | 15°42 | 15° 5 | 29°34 | 29° 6 | M23 |
| T 24 | 6 11 22 | 1°59'45 | 29°31 | 0♑58 | 12°19 | 24°37 | 24°22 | 14° 2 | 3°58 | 4°44 | 24°52 | 15°D42 | 15° 2 | 29°40 | 29° 6 | T 24 |
| W25 | 6 15 18 | 3° 0'39 | 13♈11 | 2°32 | 13°35 | 25°20 | 24°34 | 14° 8 | 3°55 | 4°46 | 24°52 | 15°R42 | 14°59 | 29°47 | 29° 7 | W25 |
| T 26 | 6 19 15 | 4° 1'33 | 27°13 | 4° 7 | 14°50 | 26° 3 | 24°45 | 14°14 | 3°53 | 4°48 | 24°52 | 15°41 | 14°56 | 29°54 | 29° 8 | T 26 |
| F 27 | 6 23 11 | 5° 2'27 | 11♉37 | 5°41 | 16° 5 | 26°46 | 24°57 | 14°19 | 3°50 | 4°50 | 24°R52 | 15°39 | 14°53 | 0♐ 0 | 29° 9 | F 27 |
| S 28 | 6 27 8 | 6° 3'23 | 26°20 | 7°15 | 17°21 | 27°30 | 25° 8 | 14°25 | 3°48 | 4°52 | 24°52 | 15°35 | 14°50 | 0° 7 | 29°10 | S 28 |
| S 29 | 6 31 4 | 7° 4'18 | 11♊18 | 8°50 | 18°36 | 28°13 | 25°19 | 14°30 | 3°45 | 4°54 | 24°52 | 15°27 | 14°46 | 0°14 | 29°11 | S 29 |
| M30 | 6 35 1 | 8° 5'15 | 26°22 | 10°24 | 19°51 | 28°56 | 25°31 | 14°35 | 3°43 | 4°56 | 24°52 | 15°17 | 14°43 | 0°20 | 29°12 | M30 |
| T 31 | 6 38 58 | 9♑ 6'13 | 11♋23 | 11♑59 | 21♑ 7 | 29♐40 | 25♏42 | 14♏41 | 3♋40 | 4♐58 | 24♍51 | 15♈ 5 | 14♈40 | 0♐27 | 29♓13 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s39 | 24n12 | 3n37 | 17s27 | 1n28 | 22s10 | 0n 8 | 21s47 | 0s13 | 16s38 | 0n58 | 13s 7 | 2n14 | 23n26 | 0n12 | 19s15 | 1n36 | 14n 7 | 13n 6 | 7n 2 | 6n22 | 22s42 | 2n53 | 3n33 |
| M 2 | 21 48 | 27 14 | 4 27 | 17 55 | 1 22 | 22 21 | 0 6 | 21 55 | 0 14 | 16 42 | 0 58 | 13 9 | 2 14 | 23 26 | 0 12 | 19 16 | 1 36 | 14 7 | 13 7 | 6 59 | 6 20 | 22 44 | 2 53 | 3 33 |
| T 3 | 21 57 | 28 13 | 4 57 | 18 23 | 1 15 | 22 32 | 0 3 | 22 2 | 0 14 | 16 45 | 0 58 | 13 11 | 2 14 | 23 26 | 0 12 | 19 16 | 1 36 | 14 7 | 13 7 | 6 56 | 6 19 | 22 46 | 2 52 | 3 33 |
| W 4 | 22 5 | 27 8 | 5 6 | 18 50 | 1 8 | 22 41 | 0 1 | 22 8 | 0 15 | 16 48 | 0 58 | 13 13 | 2 14 | 23 26 | 0 12 | 19 16 | 1 36 | 14 7 | 13 7 | 6 53 | 6 18 | 22 48 | 2 52 | 3 32 |
| T 5 | 22 13 | 24 16 | 4 56 | 19 16 | 1 1 | 22 51 | 0s 1 | 22 15 | 0 15 | 16 52 | 0 58 | 13 15 | 2 14 | 23 26 | 0 12 | 19 17 | 1 36 | 14 7 | 13 8 | 6 50 | 6 17 | 22 50 | 2 52 | 3 32 |
| F 6 | 22 20 | 20 3 | 4 28 | 19 42 | 0 54 | 22 59 | 0 4 | 22 21 | 0 16 | 16 55 | 0 58 | 13 17 | 2 14 | 23 27 | 0 12 | 19 17 | 1 36 | 14 8 | 13 8 | 6 48 | 6 16 | 22 53 | 2 51 | 3 32 |
| S 7 | 22 27 | 14 58 | 3 46 | 20 6 | 0 47 | 23 7 | 0 6 | 22 27 | 0 16 | 16 58 | 0 58 | 13 19 | 2 14 | 23 27 | 0 12 | 19 18 | 1 36 | 14 8 | 13 9 | 6 47 | 6 14 | 22 55 | 2 51 | 3 32 |
| S 8 | 22 34 | 9 23 | 2 54 | 20 30 | 0 40 | 23 14 | 0 9 | 22 33 | 0 17 | 17 1 | 0 58 | 13 21 | 2 14 | 23 27 | 0 12 | 19 18 | 1 36 | 14 8 | 13 9 | 6 46 | 6 13 | 22 57 | 2 51 | 3 31 |
| M 9 | 22 40 | 3 35 | 1 55 | 20 53 | 0 33 | 23 21 | 0 11 | 22 39 | 0 18 | 17 5 | 0 58 | 13 22 | 2 15 | 23 27 | 0 12 | 19 18 | 1 36 | 14 8 | 13 10 | 6 46 | 6 12 | 22 59 | 2 50 | 3 31 |
| T 10 | 22 46 | 2s13 | 0 52 | 21 15 | 0 26 | 23 26 | 0 14 | 22 44 | 0 18 | 17 8 | 0 58 | 13 24 | 2 15 | 23 27 | 0 12 | 19 19 | 1 36 | 14 8 | 13 10 | 6 47 | 6 11 | 23 1 | 2 50 | 3 31 |
| W11 | 22 51 | 7 50 | 0s12 | 21 36 | 0 19 | 23 31 | 0 16 | 22 50 | 0 19 | 17 11 | 0 58 | 13 26 | 2 15 | 23 27 | 0 13 | 19 19 | 1 36 | 14 9 | 13 11 | 6 47 | 6 10 | 23 3 | 2 50 | 3 30 |
| T 12 | 22 56 | 13 6 | 1 15 | 21 56 | 0 12 | 23 36 | 0 18 | 22 55 | 0 19 | 17 14 | 0 58 | 13 28 | 2 15 | 23 27 | 0 13 | 19 20 | 1 36 | 14 9 | 13 11 | 6 46 | 6 8 | 23 6 | 2 50 | 3 30 |
| F 13 | 23 0 | 17 53 | 2 14 | 22 15 | 0 5 | 23 39 | 0 21 | 23 0 | 0 20 | 17 17 | 0 58 | 13 30 | 2 15 | 23 27 | 0 13 | 19 20 | 1 36 | 14 9 | 13 12 | 6 45 | 6 7 | 23 8 | 2 49 | 3 30 |
| S 14 | 23 4 | 21 58 | 3 7 | 22 33 | 0s 2 | 23 42 | 0 23 | 23 4 | 0 21 | 17 20 | 0 58 | 13 31 | 2 15 | 23 27 | 0 13 | 19 20 | 1 36 | 14 9 | 13 12 | 6 43 | 6 6 | 23 10 | 2 49 | 3 30 |
| S 15 | 23 8 | 25 10 | 3 52 | 22 49 | 0 9 | 23 44 | 0 25 | 23 9 | 0 21 | 17 23 | 0 58 | 13 33 | 2 15 | 23 27 | 0 13 | 19 21 | 1 36 | 14 10 | 13 13 | 6 39 | 6 5 | 23 12 | 2 49 | 3 29 |
| M16 | 23 11 | 27 17 | 4 27 | 23 5 | 0 16 | 23 46 | 0 28 | 23 13 | 0 22 | 17 26 | 0 58 | 13 35 | 2 15 | 23 27 | 0 13 | 19 21 | 1 36 | 14 10 | 13 13 | 6 35 | 6 3 | 23 14 | 2 49 | 3 29 |
| T 17 | 23 13 | 28 9 | 4 50 | 23 19 | 0 23 | 23 46 | 0 30 | 23 17 | 0 22 | 17 29 | 0 58 | 13 37 | 2 16 | 23 28 | 0 13 | 19 22 | 1 36 | 14 10 | 13 13 | 6 30 | 6 2 | 23 16 | 2 49 | 3 29 |
| W18 | 23 15 | 27 40 | 5 1 | 23 32 | 0 29 | 23 46 | 0 32 | 23 21 | 0 23 | 17 32 | 0 58 | 13 38 | 2 16 | 23 28 | 0 13 | 19 22 | 1 36 | 14 10 | 13 14 | 6 25 | 6 1 | 23 18 | 2 49 | 3 29 |
| T 19 | 23 17 | 25 51 | 4 58 | 23 44 | 0 36 | 23 46 | 0 35 | 23 24 | 0 23 | 17 35 | 0 58 | 13 40 | 2 16 | 23 28 | 0 13 | 19 22 | 1 36 | 14 11 | 13 14 | 6 20 | 6 0 | 23 20 | 2 49 | 3 28 |
| F 20 | 23 18 | 22 46 | 4 40 | 23 55 | 0 42 | 23 44 | 0 37 | 23 28 | 0 24 | 17 38 | 0 58 | 13 41 | 2 16 | 23 28 | 0 13 | 19 23 | 1 36 | 14 11 | 13 15 | 6 16 | 5 59 | 23 22 | 2 49 | 3 28 |
| S 21 | 23 19 | 18 35 | 4 9 | 24 4 | 0 48 | 23 42 | 0 39 | 23 31 | 0 25 | 17 41 | 0 58 | 13 43 | 2 16 | 23 28 | 0 13 | 19 23 | 1 36 | 14 11 | 13 15 | 6 12 | 5 57 | 23 25 | 2 49 | 3 28 |
| S 22 | 23 19 | 13 30 | 3 25 | 24 12 | 0 54 | 23 39 | 0 41 | 23 34 | 0 25 | 17 44 | 0 58 | 13 45 | 2 16 | 23 28 | 0 13 | 19 23 | 1 36 | 14 12 | 13 16 | 6 10 | 5 56 | 23 27 | 2 49 | 3 28 |
| M23 | 23 19 | 7 44 | 2 30 | 24 19 | 1 0 | 23 35 | 0 44 | 23 36 | 0 26 | 17 47 | 0 58 | 13 46 | 2 16 | 23 28 | 0 13 | 19 24 | 1 36 | 14 12 | 13 16 | 6 9 | 5 55 | 23 29 | 2 49 | 3 27 |
| T 24 | 23 18 | 1 29 | 1 25 | 24 25 | 1 6 | 23 31 | 0 46 | 23 39 | 0 26 | 17 49 | 0 58 | 13 48 | 2 17 | 23 28 | 0 13 | 19 24 | 1 36 | 14 13 | 13 17 | 6 9 | 5 54 | 23 31 | 2 49 | 3 27 |
| W25 | 23 17 | 4n59 | 0 13 | 24 29 | 1 12 | 23 25 | 0 48 | 23 41 | 0 27 | 17 52 | 0 59 | 13 49 | 2 17 | 23 28 | 0 13 | 19 24 | 1 36 | 14 13 | 13 17 | 6 9 | 5 52 | 23 33 | 2 49 | 3 27 |
| T 26 | 23 15 | 11 22 | 1n 1 | 24 32 | 1 17 | 23 20 | 0 50 | 23 43 | 0 27 | 17 55 | 0 59 | 13 51 | 2 17 | 23 28 | 0 13 | 19 25 | 1 36 | 14 13 | 13 18 | 6 9 | 5 51 | 23 35 | 2 49 | 3 26 |
| F 27 | 23 13 | 17 20 | 2 12 | 24 34 | 1 22 | 23 13 | 0 52 | 23 45 | 0 28 | 17 57 | 0 59 | 13 52 | 2 17 | 23 28 | 0 13 | 19 25 | 1 36 | 14 14 | 13 18 | 6 8 | 5 50 | 23 37 | 2 49 | 3 26 |
| S 28 | 23 11 | 22 26 | 3 17 | 24 35 | 1 27 | 23 6 | 0 54 | 23 46 | 0 29 | 18 0 | 0 59 | 13 54 | 2 17 | 23 29 | 0 13 | 19 25 | 1 36 | 14 14 | 13 19 | 6 6 | 5 49 | 23 39 | 2 49 | 3 26 |
| S 29 | 23 8 | 26 8 | 4 9 | 24 34 | 1 32 | 22 58 | 0 56 | 23 47 | 0 29 | 18 3 | 0 59 | 13 55 | 2 17 | 23 29 | 0 13 | 19 26 | 1 36 | 14 15 | 13 19 | 6 3 | 5 48 | 23 41 | 2 50 | 3 26 |
| M30 | 23 4 | 28 0 | 4 44 | 24 31 | 1 37 | 22 49 | 0 58 | 23 49 | 0 30 | 18 5 | 0 59 | 13 56 | 2 18 | 23 29 | 0 13 | 19 26 | 1 36 | 14 15 | 13 20 | 5 59 | 5 46 | 23 43 | 2 50 | 3 25 |
| T 31 | 23s 0 | 27n48 | 4n59 | 24s28 | 1s41 | 22s40 | 1s 0 | 23s49 | 0s30 | 18s 8 | 0n59 | 13s58 | 2n18 | 23n29 | 0n13 | 19s26 | 1n36 | 14n16 | 13n20 | 5n55 | 5n45 | 23s45 | 2n50 | 3n25 |

Julian Day Number = 2800320.5, Delta T = 50m05s
Ecliptic obliquity = 23°19'04, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°06'24, Lahiri = 37°13'25


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# ASTRODIENST EPHEMERIS for the year 2955
# geocentric

## JANUARY 2955 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 6 42 54 | 10♑ 7'11 | 26♋11 | 13♑34 | 22♑22 | 0♑23 | 25♏53 | 14♏46 | 3°R38 | 5♐ 0 | 24°R51 | 14°R53 | 14♈37 | 0♐34 | 29♓15 | W 1 |
| T 2 | 6 46 51 | 11° 8'09 | 10♌38 | 15° 9 | 23°37 | 1° 7 | 26° 4 | 14°51 | 3♋35 | 5° 2 | 24♍51 | 14♈42 | 14°34 | 0°40 | 29°16 | T 2 |
| F 3 | 6 50 47 | 12° 9'09 | 24°37 | 16°44 | 24°52 | 1°50 | 26°15 | 14°56 | 3°33 | 5° 4 | 24°51 | 14°34 | 14°31 | 0°47 | 29°17 | F 3 |
| S 4 | 6 54 44 | 13°10'09 | 8♍ 8 | 18°19 | 26° 8 | 2°34 | 26°26 | 15° 1 | 3°30 | 5° 5 | 24°51 | 14°27 | 14°27 | 0°54 | 29°19 | S 4 |
| S 5 | 6 58 40 | 14°11'10 | 21° 9 | 19°55 | 27°23 | 3°18 | 26°36 | 15° 6 | 3°28 | 5° 7 | 24°50 | 14°24 | 14°24 | 1° 0 | 29°20 | S 5 |
| M 6 | 7 2 37 | 15°12'12 | 3♎46 | 21°30 | 28°38 | 4° 1 | 26°47 | 15°11 | 3°25 | 5° 9 | 24°50 | 14°23 | 14°21 | 1° 7 | 29°22 | M 6 |
| T 7 | 7 6 33 | 16°13'15 | 16° 3 | 23° 6 | 29°53 | 4°45 | 26°58 | 15°15 | 3°23 | 5°11 | 24°50 | 14°23 | 14°18 | 1°14 | 29°23 | T 7 |
| W 8 | 7 10 30 | 17°14'18 | 28° 4 | 24°42 | 1♒ 9 | 5°29 | 27° 8 | 15°20 | 3°20 | 5°13 | 24°49 | 14°22 | 14°15 | 1°21 | 29°25 | W 8 |
| T 9 | 7 14 27 | 18°15'22 | 9♏56 | 26°18 | 2°24 | 6°13 | 27°19 | 15°25 | 3°18 | 5°15 | 24°49 | 14°21 | 14°11 | 1°27 | 29°26 | T 9 |
| F 10 | 7 18 23 | 19°16'27 | 21°45 | 27°54 | 3°39 | 6°57 | 27°29 | 15°29 | 3°15 | 5°16 | 24°49 | 14°17 | 14° 8 | 1°34 | 29°28 | F 10 |
| S 11 | 7 22 20 | 20°17'33 | 3♐33 | 29°31 | 4°55 | 7°41 | 27°39 | 15°34 | 3°13 | 5°18 | 24°48 | 14°11 | 14° 5 | 1°41 | 29°30 | S 11 |
| S 12 | 7 26 16 | 21°18'39 | 15°26 | 1♒ 7 | 6°10 | 8°25 | 27°49 | 15°38 | 3°10 | 5°20 | 24°48 | 14° 1 | 14° 2 | 1°47 | 29°32 | S 12 |
| M13 | 7 30 13 | 22°19'45 | 27°27 | 2°44 | 7°25 | 9° 9 | 27°59 | 15°42 | 3° 8 | 5°21 | 24°47 | 13°49 | 13°59 | 1°54 | 29°34 | M13 |
| T 14 | 7 34 9 | 23°20'52 | 9♑38 | 4°20 | 8°40 | 9°53 | 28° 9 | 15°47 | 3° 6 | 5°23 | 24°47 | 13°35 | 13°56 | 2° 1 | 29°35 | T 14 |
| W15 | 7 38 6 | 24°21'59 | 21°59 | 5°57 | 9°56 | 10°37 | 28°19 | 15°51 | 3° 3 | 5°25 | 24°46 | 13°21 | 13°52 | 2° 7 | 29°37 | W15 |
| T 16 | 7 42 2 | 25°23'07 | 4♒31 | 7°33 | 11°11 | 11°21 | 28°29 | 15°55 | 3° 1 | 5°26 | 24°45 | 13° 7 | 13°49 | 2°14 | 29°39 | T 16 |
| F 17 | 7 45 59 | 26°24'14 | 17°14 | 9°10 | 12°26 | 12° 5 | 28°38 | 15°59 | 2°59 | 5°28 | 24°45 | 12°55 | 13°46 | 2°21 | 29°41 | F 17 |
| S 18 | 7 49 56 | 27°25'21 | 0♓ 8 | 10°46 | 13°41 | 12°50 | 28°48 | 16° 3 | 2°56 | 5°29 | 24°44 | 12°45 | 13°43 | 2°27 | 29°44 | S 18 |
| S 19 | 7 53 52 | 28°26'29 | 13°13 | 12°21 | 14°56 | 13°34 | 28°57 | 16° 6 | 2°54 | 5°31 | 24°43 | 12°39 | 13°40 | 2°34 | 29°46 | S 19 |
| M20 | 7 57 49 | 29°27'36 | 26°29 | 13°56 | 16°12 | 14°18 | 29° 7 | 16°10 | 2°52 | 5°33 | 24°43 | 12°36 | 13°37 | 2°41 | 29°48 | M20 |
| T 21 | 8 1 45 | 0♒28'42 | 9♈56 | 15°30 | 17°27 | 15° 3 | 29°16 | 16°14 | 2°50 | 5°34 | 24°42 | 12°D35 | 13°33 | 2°47 | 29°50 | T 21 |
| W22 | 8 5 42 | 1°29'49 | 23°36 | 17° 4 | 18°42 | 15°47 | 29°25 | 16°17 | 2°48 | 5°35 | 24°41 | 12°35 | 13°30 | 2°54 | 29°52 | W22 |
| T 23 | 8 9 38 | 2°30'55 | 7♉31 | 18°36 | 19°57 | 16°32 | 29°34 | 16°21 | 2°46 | 5°37 | 24°40 | 12°R35 | 13°27 | 3° 1 | 29°55 | T 23 |
| F 24 | 8 13 35 | 3°32'01 | 21°39 | 20° 7 | 21°12 | 17°16 | 29°43 | 16°24 | 2°43 | 5°38 | 24°40 | 12°34 | 13°24 | 3° 8 | 29°57 | F 24 |
| S 25 | 8 17 31 | 4°33'06 | 6♊ 1 | 21°36 | 22°27 | 18° 1 | 29°52 | 16°27 | 2°41 | 5°40 | 24°39 | 12°30 | 13°21 | 3°14 | 29°59 | S 25 |
| S 26 | 8 21 28 | 5°34'11 | 20°34 | 23° 2 | 23°43 | 18°45 | 0♐ 0 | 16°30 | 2°39 | 5°41 | 24°38 | 12°24 | 13°17 | 3°21 | 0♈ 2 | S 26 |
| M27 | 8 25 25 | 6°35'15 | 5♋12 | 24°27 | 24°58 | 19°30 | 0° 9 | 16°33 | 2°37 | 5°42 | 24°37 | 12°15 | 13°14 | 3°28 | 0° 5 | M27 |
| T 28 | 8 29 21 | 7°36'20 | 19°49 | 25°48 | 26°13 | 20°15 | 0°17 | 16°36 | 2°35 | 5°44 | 24°36 | 12° 5 | 13°11 | 3°34 | 0° 7 | T 28 |
| W29 | 8 33 18 | 8°37'23 | 4♌18 | 27° 5 | 27°28 | 21° 0 | 0°25 | 16°39 | 2°33 | 5°45 | 24°35 | 11°54 | 13° 8 | 3°41 | 0°10 | W29 |
| T 30 | 8 37 14 | 9°38'26 | 18°31 | 28°18 | 28°43 | 21°44 | 0°34 | 16°42 | 2°32 | 5°46 | 24°34 | 11°44 | 13° 5 | 3°48 | 0°12 | T 30 |
| F 31 | 8 41 11 | 10♒39'29 | 2♍24 | 29♒26 | 29♒58 | 22♑29 | 0♐42 | 16♏44 | 2♋30 | 5♐47 | 24♍33 | 11♈36 | 13♈ 2 | 3♐54 | 0♈15 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s56 | 25n37 | 4n54 | 24s23 | 1s45 | 22s30 | 1s 2 | 23s50 | 0s31 | 18s10 | 0n59 | 13s59 | 2n18 | 23n29 | 0n13 | 19s27 | 1n36 | 14n16 | 13n21 | 5n50 | 5n44 | 23s47 | 2n50 | 3n25 |
| T 2 | 22 51 | 21 49 | 4 30 | 24 16 | 1 49 | 22 19 | 1 4 | 23 50 | 0 31 | 18 13 | 0 59 | 14 0 | 2 18 | 23 29 | 0 13 | 19 27 | 1 36 | 14 17 | 13 21 | 5 46 | 5 43 | 23 49 | 2 50 | 3 25 |
| F 3 | 22 46 | 16 52 | 3 51 | 24 9 | 1 53 | 22 7 | 1 6 | 23 50 | 0 32 | 18 15 | 0 59 | 14 2 | 2 18 | 23 29 | 0 13 | 19 27 | 1 36 | 14 17 | 13 21 | 5 43 | 5 41 | 23 51 | 2 51 | 3 24 |
| S 4 | 22 40 | 11 15 | 2 59 | 23 59 | 1 56 | 21 55 | 1 7 | 23 50 | 0 33 | 18 18 | 0 59 | 14 3 | 2 19 | 23 29 | 0 13 | 19 28 | 1 36 | 14 18 | 13 22 | 5 40 | 5 40 | 23 53 | 2 51 | 3 24 |
| S 5 | 22 34 | 5 19 | 1 59 | 23 49 | 1 59 | 21 42 | 1 9 | 23 50 | 0 33 | 18 20 | 0 59 | 14 4 | 2 19 | 23 29 | 0 13 | 19 28 | 1 36 | 14 18 | 13 22 | 5 39 | 5 39 | 23 55 | 2 51 | 3 24 |
| M 6 | 22 27 | 0s38 | 0 56 | 23 37 | 2 2 | 21 29 | 1 11 | 23 49 | 0 34 | 18 23 | 0 59 | 14 5 | 2 19 | 23 29 | 0 13 | 19 28 | 1 36 | 14 19 | 13 23 | 5 38 | 5 38 | 23 57 | 2 52 | 3 24 |
| T 7 | 22 20 | 6 25 | 0s 9 | 23 24 | 2 4 | 21 15 | 1 12 | 23 48 | 0 34 | 18 25 | 0 59 | 14 7 | 2 19 | 23 29 | 0 13 | 19 28 | 1 36 | 14 19 | 13 23 | 5 38 | 5 37 | 23 59 | 2 52 | 3 23 |
| W 8 | 22 13 | 11 51 | 1 12 | 23 9 | 2 6 | 21 0 | 1 14 | 23 47 | 0 35 | 18 27 | 0 59 | 14 8 | 2 19 | 23 29 | 0 13 | 19 29 | 1 36 | 14 20 | 13 24 | 5 38 | 5 35 | 24 1 | 2 53 | 3 23 |
| T 9 | 22 5 | 16 47 | 2 11 | 22 53 | 2 8 | 20 45 | 1 15 | 23 46 | 0 35 | 18 30 | 1 0 | 14 9 | 2 19 | 23 29 | 0 13 | 19 29 | 1 36 | 14 20 | 13 24 | 5 38 | 5 34 | 24 3 | 2 53 | 3 23 |
| F 10 | 21 56 | 21 4 | 3 4 | 22 35 | 2 9 | 20 29 | 1 17 | 23 44 | 0 36 | 18 32 | 1 0 | 14 10 | 2 20 | 23 29 | 0 13 | 19 29 | 1 37 | 14 21 | 13 25 | 5 36 | 5 33 | 24 5 | 2 53 | 3 23 |
| S 11 | 21 48 | 24 30 | 3 49 | 22 16 | 2 10 | 20 13 | 1 18 | 23 42 | 0 36 | 18 34 | 1 0 | 14 11 | 2 20 | 23 30 | 0 13 | 19 30 | 1 37 | 14 21 | 13 25 | 5 34 | 5 32 | 24 7 | 2 54 | 3 22 |
| S 12 | 21 38 | 26 54 | 4 24 | 21 56 | 2 11 | 19 55 | 1 20 | 23 40 | 0 37 | 18 36 | 1 0 | 14 12 | 2 20 | 23 30 | 0 13 | 19 30 | 1 37 | 14 22 | 13 26 | 5 30 | 5 30 | 24 9 | 2 54 | 3 22 |
| M13 | 21 29 | 28 5 | 4 48 | 21 35 | 2 11 | 19 38 | 1 21 | 23 38 | 0 38 | 18 38 | 1 0 | 14 13 | 2 20 | 23 30 | 0 13 | 19 30 | 1 37 | 14 23 | 13 26 | 5 25 | 5 29 | 24 11 | 2 55 | 3 22 |
| T 14 | 21 19 | 27 56 | 4 59 | 21 12 | 2 11 | 19 20 | 1 22 | 23 35 | 0 38 | 18 40 | 1 0 | 14 14 | 2 21 | 23 30 | 0 13 | 19 30 | 1 37 | 14 23 | 13 26 | 5 20 | 5 28 | 24 13 | 2 55 | 3 22 |
| W15 | 21 8 | 26 25 | 4 56 | 20 47 | 2 10 | 19 1 | 1 23 | 23 32 | 0 39 | 18 42 | 1 0 | 14 15 | 2 21 | 23 30 | 0 13 | 19 31 | 1 37 | 14 24 | 13 27 | 5 15 | 5 27 | 24 15 | 2 56 | 3 21 |
| T 16 | 20 57 | 23 33 | 4 40 | 20 22 | 2 8 | 18 41 | 1 25 | 23 29 | 0 39 | 18 45 | 1 0 | 14 16 | 2 21 | 23 30 | 0 13 | 19 31 | 1 37 | 14 25 | 13 27 | 5 9 | 5 26 | 24 17 | 2 57 | 3 21 |
| F 17 | 20 46 | 19 32 | 4 9 | 19 55 | 2 7 | 18 21 | 1 26 | 23 26 | 0 40 | 18 47 | 1 0 | 14 17 | 2 21 | 23 30 | 0 13 | 19 31 | 1 37 | 14 25 | 13 28 | 5 4 | 5 24 | 24 19 | 2 57 | 3 21 |
| S 18 | 20 34 | 14 33 | 3 24 | 19 26 | 2 4 | 18 1 | 1 27 | 23 22 | 0 40 | 18 49 | 1 0 | 14 18 | 2 21 | 23 30 | 0 13 | 19 31 | 1 37 | 14 26 | 13 28 | 5 1 | 5 23 | 24 21 | 2 58 | 3 21 |
| S 19 | 20 22 | 8 51 | 2 29 | 18 57 | 2 1 | 17 40 | 1 28 | 23 18 | 0 41 | 18 50 | 1 0 | 14 19 | 2 22 | 23 30 | 0 13 | 19 32 | 1 37 | 14 27 | 13 29 | 4 58 | 5 22 | 24 22 | 2 58 | 3 20 |
| M20 | 20 10 | 2 41 | 1 24 | 18 26 | 1 58 | 17 19 | 1 29 | 23 14 | 0 41 | 18 52 | 1 1 | 14 20 | 2 22 | 23 30 | 0 13 | 19 32 | 1 37 | 14 27 | 13 29 | 4 57 | 5 21 | 24 24 | 2 59 | 3 20 |
| T 21 | 19 57 | 3n42 | 0 14 | 17 55 | 1 53 | 16 57 | 1 29 | 23 10 | 0 42 | 18 54 | 1 1 | 14 20 | 2 22 | 23 30 | 0 13 | 19 32 | 1 37 | 14 28 | 13 29 | 4 57 | 5 19 | 24 26 | 3 0 | 3 20 |
| W22 | 19 44 | 10 1 | 0n58 | 17 22 | 1 48 | 16 34 | 1 30 | 23 6 | 0 42 | 18 56 | 1 1 | 14 21 | 2 22 | 23 30 | 0 13 | 19 32 | 1 37 | 14 29 | 13 30 | 4 57 | 5 18 | 24 28 | 3 0 | 3 20 |
| T 23 | 19 30 | 15 58 | 2 8 | 16 48 | 1 43 | 16 12 | 1 31 | 23 1 | 0 43 | 18 58 | 1 1 | 14 22 | 2 22 | 23 30 | 0 13 | 19 32 | 1 37 | 14 29 | 13 30 | 4 57 | 5 17 | 24 30 | 3 1 | 3 19 |
| F 24 | 19 16 | 21 10 | 3 12 | 16 14 | 1 36 | 15 48 | 1 31 | 22 56 | 0 44 | 19 0 | 1 1 | 14 23 | 2 23 | 23 30 | 0 13 | 19 33 | 1 37 | 14 30 | 13 31 | 4 56 | 5 16 | 24 32 | 3 2 | 3 19 |
| S 25 | 19 2 | 25 12 | 4 4 | 15 38 | 1 29 | 15 25 | 1 32 | 22 50 | 0 44 | 19 1 | 1 1 | 14 23 | 2 23 | 23 30 | 0 13 | 19 33 | 1 37 | 14 31 | 13 31 | 4 55 | 5 14 | 24 34 | 3 3 | 3 19 |
| S 26 | 18 47 | 27 40 | 4 41 | 15 3 | 1 21 | 15 0 | 1 33 | 22 45 | 0 45 | 19 3 | 1 1 | 14 24 | 2 23 | 23 30 | 0 13 | 19 33 | 1 37 | 14 31 | 13 31 | 4 53 | 5 13 | 24 36 | 3 3 | 3 19 |
| M27 | 18 32 | 28 13 | 5 0 | 14 26 | 1 12 | 14 36 | 1 33 | 22 39 | 0 45 | 19 5 | 1 1 | 14 25 | 2 23 | 23 30 | 0 13 | 19 33 | 1 37 | 14 32 | 13 32 | 4 49 | 5 12 | 24 37 | 3 4 | 3 19 |
| T 28 | 18 17 | 26 48 | 5 0 | 13 50 | 1 2 | 14 11 | 1 33 | 22 33 | 0 46 | 19 6 | 1 1 | 14 25 | 2 24 | 23 30 | 0 13 | 19 33 | 1 37 | 14 33 | 13 32 | 4 45 | 5 11 | 24 39 | 3 5 | 3 18 |
| W29 | 18 1 | 23 37 | 4 40 | 13 14 | 0 51 | 13 46 | 1 34 | 22 27 | 0 46 | 19 8 | 1 2 | 14 26 | 2 24 | 23 30 | 0 13 | 19 34 | 1 37 | 14 33 | 13 33 | 4 41 | 5 10 | 24 41 | 3 6 | 3 18 |
| T 30 | 17 45 | 19 3 | 4 3 | 12 38 | 0 40 | 13 20 | 1 34 | 22 20 | 0 47 | 19 10 | 1 2 | 14 26 | 2 24 | 23 31 | 0 13 | 19 34 | 1 37 | 14 34 | 13 33 | 4 37 | 5 8 | 24 43 | 3 7 | 3 18 |
| F 31 | 17s28 | 13n34 | 3n13 | 12s 2 | 0s27 | 12s54 | 1s34 | 22s14 | 0s47 | 19s11 | 1n 2 | 14s27 | 2n24 | 23n31 | 0n13 | 19s34 | 1n37 | 14n35 | 13n33 | 4n34 | 5n 7 | 24s45 | 3n 8 | 3n18 |

Julian Day Number = 2800351.5, Delta T = 50m06s
Ecliptic obliquity = 23°19'04, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°06'29, Lahiri = 37°13'29


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# ASTRODIENST EPHEMERIS for the year 2955
# geocentric

## FEBRUARY 2955 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 45 7 | 11♒40'32 | 15♍52 | 0♓29 | 1♓13 | 23♉14 | 0♐49 | 16♏47 | 2°R28 | 5♐49 | 24°R32 | 11°R31 | 12♈58 | 4♐ 1 | 0♈18 | S 1 |
| S 2 | 8 49 4 | 12°41'34 | 28°55 | 1°24 | 2°28 | 23°59 | 0°57 | 16°49 | 2♋26 | 5°50 | 24♍31 | 11♈28 | 12°55 | 4° 8 | 0°20 | S 2 |
| M 3 | 8 53 0 | 13°42'35 | 11♎35 | 2°13 | 3°43 | 24°44 | 1° 5 | 16°52 | 2°24 | 5°51 | 24°30 | 11°D27 | 12°52 | 4°14 | 0°23 | M 3 |
| T 4 | 8 56 57 | 14°43'37 | 23°56 | 2°52 | 4°58 | 25°29 | 1°12 | 16°54 | 2°23 | 5°52 | 24°29 | 11°28 | 12°49 | 4°21 | 0°26 | T 4 |
| W 5 | 9 0 54 | 15°44'38 | 6♏ 1 | 3°23 | 6°13 | 26°14 | 1°20 | 16°56 | 2°21 | 5°53 | 24°28 | 11°29 | 12°46 | 4°28 | 0°29 | W 5 |
| T 6 | 9 4 50 | 16°45'39 | 17°56 | 3°44 | 7°28 | 26°59 | 1°27 | 16°58 | 2°19 | 5°54 | 24°27 | 11°R29 | 12°43 | 4°35 | 0°32 | T 6 |
| F 7 | 9 8 47 | 17°46'40 | 29°46 | 3°R54 | 8°43 | 27°44 | 1°34 | 17° 0 | 2°18 | 5°55 | 24°25 | 11°28 | 12°39 | 4°41 | 0°35 | F 7 |
| S 8 | 9 12 43 | 18°47'41 | 11♐36 | 3°53 | 9°58 | 28°29 | 1°41 | 17° 2 | 2°16 | 5°56 | 24°24 | 11°25 | 12°36 | 4°48 | 0°38 | S 8 |
| S 9 | 9 16 40 | 19°48'41 | 23°32 | 3°40 | 11°12 | 29°14 | 1°48 | 17° 4 | 2°15 | 5°57 | 24°23 | 11°20 | 12°33 | 4°55 | 0°41 | S 9 |
| M10 | 9 20 36 | 20°49'40 | 5♑37 | 3°16 | 12°27 | 29°59 | 1°54 | 17° 5 | 2°13 | 5°58 | 24°22 | 11°12 | 12°30 | 5° 1 | 0°44 | M10 |
| T 11 | 9 24 33 | 21°50'39 | 17°54 | 2°41 | 13°42 | 0♒45 | 2° 1 | 17° 7 | 2°12 | 5°59 | 24°21 | 11° 4 | 12°27 | 5° 8 | 0°47 | T 11 |
| W12 | 9 28 30 | 22°51'37 | 0♒26 | 1°55 | 14°57 | 1°30 | 2° 7 | 17° 8 | 2°10 | 5°59 | 24°19 | 10°54 | 12°23 | 5°15 | 0°50 | W12 |
| T 13 | 9 32 26 | 23°52'35 | 13°14 | 1° 0 | 16°12 | 2°15 | 2°13 | 17°10 | 2° 9 | 6° 0 | 24°18 | 10°45 | 12°20 | 5°21 | 0°53 | T 13 |
| F 14 | 9 36 23 | 24°53'31 | 26°16 | 29♒58 | 17°26 | 3° 1 | 2°19 | 17°11 | 2° 8 | 6° 1 | 24°17 | 10°37 | 12°17 | 5°28 | 0°56 | F 14 |
| S 15 | 9 40 19 | 25°54'27 | 9♓32 | 28°49 | 18°41 | 3°46 | 2°25 | 17°12 | 2° 7 | 6° 2 | 24°15 | 10°31 | 12°14 | 5°35 | 0°59 | S 15 |
| S 16 | 9 44 16 | 26°55'22 | 23° 1 | 27°37 | 19°56 | 4°32 | 2°31 | 17°13 | 2° 5 | 6° 2 | 24°14 | 10°28 | 12°11 | 5°42 | 1° 2 | S 16 |
| M17 | 9 48 12 | 27°56'15 | 6♈41 | 26°23 | 21°11 | 5°17 | 2°36 | 17°14 | 2° 4 | 6° 3 | 24°13 | 10°D26 | 12° 8 | 5°48 | 1° 6 | M17 |
| T 18 | 9 52 9 | 28°57'07 | 20°29 | 25° 9 | 22°25 | 6° 3 | 2°42 | 17°15 | 2° 3 | 6° 4 | 24°11 | 10°27 | 12° 4 | 5°55 | 1° 9 | T 18 |
| W19 | 9 56 5 | 29°57'59 | 4♉24 | 23°58 | 23°40 | 6°48 | 2°47 | 17°15 | 2° 2 | 6° 4 | 24°10 | 10°28 | 12° 1 | 6° 2 | 1°12 | W19 |
| T 20 | 10 0 2 | 0♓58'48 | 18°26 | 22°51 | 24°54 | 7°34 | 2°52 | 17°16 | 2° 1 | 6° 5 | 24° 9 | 10°29 | 11°58 | 6° 8 | 1°15 | T 20 |
| F 21 | 10 3 58 | 1°59'37 | 2♊32 | 21°49 | 26° 9 | 8°19 | 2°57 | 17°16 | 2° 0 | 6° 5 | 24° 7 | 10°R30 | 11°55 | 6°15 | 1°19 | F 21 |
| S 22 | 10 7 55 | 3° 0'24 | 16°43 | 20°54 | 27°23 | 9° 5 | 3° 2 | 17°17 | 1°59 | 6° 6 | 24° 6 | 10°29 | 11°52 | 6°22 | 1°22 | S 22 |
| S 23 | 10 11 52 | 4° 1'10 | 0♋56 | 20° 7 | 28°38 | 9°51 | 3° 7 | 17°17 | 1°59 | 6° 6 | 24° 4 | 10°26 | 11°48 | 6°28 | 1°25 | S 23 |
| M24 | 10 15 48 | 5° 1'54 | 15° 7 | 19°28 | 29°52 | 10°36 | 3°11 | 17°17 | 1°58 | 6° 7 | 24° 3 | 10°22 | 11°45 | 6°35 | 1°29 | M24 |
| T 25 | 10 19 45 | 6° 2'37 | 29°15 | 18°57 | 1♈ 7 | 11°22 | 3°15 | 17°R17 | 1°57 | 6° 7 | 24° 1 | 10°17 | 11°42 | 6°42 | 1°32 | T 25 |
| W26 | 10 23 41 | 7° 3'18 | 13♌14 | 18°34 | 2°21 | 12° 8 | 3°19 | 17°17 | 1°56 | 6° 8 | 24° 0 | 10°12 | 11°39 | 6°48 | 1°36 | W26 |
| T 27 | 10 27 38 | 8° 3'58 | 27° 1 | 18°19 | 3°36 | 12°54 | 3°23 | 17°17 | 1°56 | 6° 8 | 23°58 | 10° 6 | 11°36 | 6°55 | 1°39 | T 27 |
| F 28 | 10 31 34 | 9♓ 4'36 | 10♍33 | 18°D12 | 4♈50 | 13♒40 | 3♐27 | 17♏17 | 1♋55 | 6♐ 8 | 23♍57 | 10♈ 2 | 11♈33 | 7♐ 2 | 1♈43 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 17s12 | 7n35 | 2n12 | 11s28 | 0s14 | 12s27 | 1s34 | 22s 7 | 0s48 | 19s13 | 1n 2 | 14s27 | 2n25 | 23n31 | 0n13 | 19s34 | 1n37 | 14n36 | 13n34 | 4n32 | 5n 6 | 24s47 | 3n 8 | 3n18 | |
| S 2 | 16 55 | 1 27 | 1 7 | 10 55 | 0n 1 | 12 1 | 1 34 | 22 0 | 0 48 | 19 14 | 1 2 | 14 28 | 2 25 | 23 31 | 0 13 | 19 34 | 1 37 | 14 36 | 13 34 | 4 31 | 5 5 | 24 49 | 3 9 | 3 17 | |
| M 3 | 16 38 | 4s34 | 0s 1 | 10 23 | 0 16 | 11 33 | 1 34 | 21 52 | 0 49 | 19 16 | 1 2 | 14 28 | 2 25 | 23 31 | 0 13 | 19 34 | 1 38 | 14 37 | 13 34 | 4 30 | 5 3 | 24 50 | 3 10 | 3 17 | |
| T 4 | 16 20 | 10 16 | 1 6 | 9 54 | 0 32 | 11 6 | 1 34 | 21 45 | 0 49 | 19 17 | 1 2 | 14 29 | 2 25 | 23 31 | 0 13 | 19 34 | 1 38 | 14 38 | 13 35 | 4 31 | 5 2 | 24 52 | 3 11 | 3 17 | |
| W 5 | 16 2 | 15 28 | 2 8 | 9 27 | 0 49 | 10 38 | 1 34 | 21 37 | 0 50 | 19 18 | 1 2 | 14 29 | 2 25 | 23 31 | 0 13 | 19 35 | 1 38 | 14 39 | 13 35 | 4 31 | 5 1 | 24 54 | 3 12 | 3 17 | |
| T 6 | 15 44 | 20 1 | 3 3 | 9 4 | 1 6 | 10 10 | 1 34 | 21 29 | 0 50 | 19 20 | 1 2 | 14 29 | 2 26 | 23 31 | 0 13 | 19 35 | 1 38 | 14 39 | 13 35 | 4 31 | 5 0 | 24 56 | 3 13 | 3 17 | |
| F 7 | 15 26 | 23 44 | 3 49 | 8 44 | 1 23 | 9 42 | 1 33 | 21 20 | 0 51 | 19 21 | 1 3 | 14 30 | 2 26 | 23 31 | 0 13 | 19 35 | 1 38 | 14 40 | 13 36 | 4 31 | 4 59 | 24 57 | 3 14 | 3 16 | |
| S 8 | 15 7 | 26 28 | 4 26 | 8 28 | 1 41 | 9 14 | 1 33 | 21 12 | 0 51 | 19 22 | 1 3 | 14 30 | 2 26 | 23 31 | 0 13 | 19 35 | 1 38 | 14 41 | 13 36 | 4 30 | 4 57 | 24 59 | 3 15 | 3 16 | |
| S 9 | 14 48 | 28 1 | 4 52 | 8 16 | 1 59 | 8 45 | 1 32 | 21 3 | 0 52 | 19 23 | 1 3 | 14 30 | 2 26 | 23 31 | 0 13 | 19 35 | 1 38 | 14 42 | 13 36 | 4 28 | 4 56 | 25 1 | 3 16 | 3 16 | |
| M10 | 14 29 | 28 17 | 5 5 | 8 9 | 2 16 | 8 16 | 1 32 | 20 54 | 0 52 | 19 25 | 1 3 | 14 30 | 2 27 | 23 31 | 0 13 | 19 35 | 1 38 | 14 42 | 13 37 | 4 25 | 4 55 | 25 3 | 3 17 | 3 16 | |
| T 11 | 14 9 | 27 9 | 5 4 | 8 6 | 2 32 | 7 47 | 1 31 | 20 45 | 0 53 | 19 26 | 1 3 | 14 31 | 2 27 | 23 31 | 0 13 | 19 35 | 1 38 | 14 43 | 13 37 | 4 21 | 4 54 | 25 5 | 3 18 | 3 16 | |
| W12 | 13 50 | 24 40 | 4 49 | 8 8 | 2 47 | 7 18 | 1 30 | 20 35 | 0 53 | 19 27 | 1 3 | 14 31 | 2 27 | 23 31 | 0 13 | 19 35 | 1 38 | 14 44 | 13 37 | 4 18 | 4 52 | 25 6 | 3 19 | 3 15 | |
| T 13 | 13 30 | 20 54 | 4 19 | 8 14 | 3 1 | 6 48 | 1 30 | 20 26 | 0 54 | 19 28 | 1 3 | 14 31 | 2 27 | 23 31 | 0 13 | 19 35 | 1 38 | 14 45 | 13 37 | 4 14 | 4 51 | 25 8 | 3 20 | 3 15 | |
| F 14 | 13 10 | 16 4 | 3 35 | 8 25 | 3 13 | 6 18 | 1 29 | 20 16 | 0 54 | 19 29 | 1 3 | 14 31 | 2 28 | 23 31 | 0 13 | 19 35 | 1 38 | 14 46 | 13 38 | 4 11 | 4 50 | 25 10 | 3 21 | 3 15 | |
| S 15 | 12 49 | 10 25 | 2 39 | 8 39 | 3 23 | 5 48 | 1 28 | 20 6 | 0 55 | 19 30 | 1 4 | 14 31 | 2 28 | 23 31 | 0 13 | 19 36 | 1 38 | 14 46 | 13 38 | 4 9 | 4 49 | 25 12 | 3 22 | 3 15 | |
| S 16 | 12 29 | 4 11 | 1 33 | 8 57 | 3 30 | 5 18 | 1 27 | 19 56 | 0 55 | 19 31 | 1 4 | 14 31 | 2 28 | 23 31 | 0 13 | 19 36 | 1 38 | 14 47 | 13 38 | 4 7 | 4 47 | 25 13 | 3 24 | 3 15 | |
| M17 | 12 8 | 2n20 | 0 20 | 9 17 | 3 35 | 4 48 | 1 26 | 19 45 | 0 56 | 19 32 | 1 4 | 14 31 | 2 28 | 23 31 | 0 13 | 19 36 | 1 38 | 14 48 | 13 39 | 4 7 | 4 46 | 25 15 | 3 25 | 3 15 | |
| T 18 | 11 47 | 8 48 | 0n54 | 9 40 | 3 37 | 4 18 | 1 25 | 19 34 | 0 56 | 19 33 | 1 4 | 14 31 | 2 29 | 23 31 | 0 13 | 19 36 | 1 38 | 14 49 | 13 39 | 4 7 | 4 45 | 25 17 | 3 26 | 3 14 | |
| W19 | 11 26 | 14 54 | 2 6 | 10 3 | 3 37 | 3 47 | 1 24 | 19 23 | 0 57 | 19 34 | 1 4 | 14 31 | 2 29 | 23 31 | 0 13 | 19 36 | 1 38 | 14 49 | 13 39 | 4 7 | 4 44 | 25 18 | 3 27 | 3 14 | |
| T 20 | 11 4 | 20 17 | 3 11 | 10 27 | 3 35 | 3 17 | 1 22 | 19 12 | 0 57 | 19 35 | 1 4 | 14 31 | 2 29 | 23 31 | 0 13 | 19 36 | 1 38 | 14 50 | 13 39 | 4 8 | 4 42 | 25 20 | 3 28 | 3 14 | |
| F 21 | 10 43 | 24 34 | 4 5 | 10 51 | 3 30 | 2 46 | 1 21 | 19 1 | 0 57 | 19 35 | 1 4 | 14 31 | 2 29 | 23 31 | 0 13 | 19 36 | 1 38 | 14 51 | 13 40 | 4 8 | 4 41 | 25 22 | 3 29 | 3 14 | |
| S 22 | 10 21 | 27 23 | 4 45 | 11 14 | 3 24 | 2 15 | 1 20 | 18 50 | 0 58 | 19 36 | 1 5 | 14 31 | 2 30 | 23 31 | 0 13 | 19 36 | 1 39 | 14 52 | 13 40 | 4 8 | 4 40 | 25 23 | 3 30 | 3 14 | |
| S 23 | 9 59 | 28 25 | 5 7 | 11 36 | 3 16 | 1 44 | 1 18 | 18 38 | 0 58 | 19 37 | 1 5 | 14 31 | 2 30 | 23 31 | 0 13 | 19 36 | 1 39 | 14 52 | 13 40 | 4 7 | 4 39 | 25 25 | 3 32 | 3 14 | |
| M24 | 9 37 | 27 36 | 5 10 | 11 57 | 3 7 | 1 13 | 1 17 | 18 26 | 0 59 | 19 38 | 1 5 | 14 30 | 2 30 | 23 31 | 0 13 | 19 36 | 1 39 | 14 53 | 13 40 | 4 5 | 4 38 | 25 27 | 3 33 | 3 14 | |
| T 25 | 9 15 | 25 0 | 4 54 | 12 16 | 2 56 | 0 43 | 1 15 | 18 14 | 0 59 | 19 38 | 1 5 | 14 30 | 2 30 | 23 31 | 0 13 | 19 36 | 1 39 | 14 54 | 13 40 | 4 3 | 4 36 | 25 28 | 3 34 | 3 13 | |
| W26 | 8 53 | 20 56 | 4 21 | 12 34 | 2 45 | 0 12 | 1 13 | 18 2 | 1 0 | 19 39 | 1 5 | 14 30 | 2 31 | 23 31 | 0 13 | 19 36 | 1 39 | 14 55 | 13 41 | 4 1 | 4 35 | 25 30 | 3 35 | 3 13 | |
| T 27 | 8 30 | 15 47 | 3 33 | 12 50 | 2 33 | 0n19 | 1 12 | 17 49 | 1 0 | 19 39 | 1 5 | 14 30 | 2 31 | 23 31 | 0 13 | 19 36 | 1 39 | 14 56 | 13 41 | 3 59 | 4 34 | 25 32 | 3 37 | 3 13 | |
| F 28 | 8s 8 | 9n57 | 2n34 | 13s 4 | 2n21 | 0n50 | 1s10 | 17s36 | 1s 1 | 19s40 | 1n 5 | 14s29 | 2n31 | 23n31 | 0n13 | 19s36 | 1n39 | 14n56 | 13n41 | 3n57 | 4n33 | 25s33 | 3n38 | 3n13 | |

Julian Day Number = 2800382.5, Delta T = 50m06s
Ecliptic obliquity = 23°19'05, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°06'33, Lahiri = 37°13'33


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# ASTRODIENST EPHEMERIS for the year 2955
# geocentric

## MARCH 2955 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 35 31 | 10♓ 5'13 | 23♍47 | 18♒12 | 6♈ 4 | 14♒25 | 3♐31 | 17°R16 | 1°R55 | 6♐ 8 | 23°R55 | 10°R 0 | 11♈29 | 7♐ 9 | 1♈46 | S 1 |
| S 2 | 10 39 27 | 11° 5'49 | 6♎41 | 18°19 | 7°18 | 15°11 | 3°34 | 17♏16 | 1♋54 | 6° 9 | 23♍54 | 9°D59 | 11°26 | 7°15 | 1°50 | S 2 |
| M 3 | 10 43 24 | 12° 6'24 | 19°18 | 18°33 | 8°32 | 15°57 | 3°37 | 17°15 | 1°54 | 6° 9 | 23°52 | 9♈59 | 11°23 | 7°22 | 1°53 | M 3 |
| T 4 | 10 47 21 | 13° 6'57 | 1♏38 | 18°53 | 9°47 | 16°43 | 3°40 | 17°15 | 1°53 | 6° 9 | 23°51 | 10° 0 | 11°20 | 7°29 | 1°57 | T 4 |
| W 5 | 10 51 17 | 14° 7'29 | 13°44 | 19°18 | 11° 1 | 17°29 | 3°43 | 17°14 | 1°53 | 6° 9 | 23°49 | 10° 2 | 11°17 | 7°35 | 2° 0 | W 5 |
| T 6 | 10 55 14 | 15° 8'00 | 25°41 | 19°49 | 12°15 | 18°15 | 3°46 | 17°13 | 1°53 | 6° 9 | 23°48 | 10° 4 | 11°14 | 7°42 | 2° 4 | T 6 |
| F 7 | 10 59 10 | 16° 8'30 | 7♐33 | 20°24 | 13°29 | 19° 1 | 3°48 | 17°12 | 1°52 | 6° 9 | 23°46 | 10° 5 | 11°10 | 7°49 | 2° 8 | F 7 |
| S 8 | 11 3 7 | 17° 8'59 | 19°25 | 21° 4 | 14°43 | 19°47 | 3°51 | 17°11 | 1°52 | 6°R 9 | 23°45 | 10°R 5 | 11° 7 | 7°55 | 2°11 | S 8 |
| S 9 | 11 7 3 | 18° 9'26 | 1♑21 | 21°48 | 15°57 | 20°33 | 3°53 | 17°10 | 1°52 | 6° 9 | 23°43 | 10° 5 | 11° 4 | 8° 2 | 2°15 | S 9 |
| M10 | 11 11 0 | 19° 9'52 | 13°27 | 22°36 | 17°11 | 21°19 | 3°55 | 17° 9 | 1°52 | 6° 9 | 23°42 | 10° 3 | 11° 1 | 8° 9 | 2°18 | M10 |
| T 11 | 11 14 56 | 20°10'17 | 25°47 | 23°27 | 18°24 | 22° 6 | 3°57 | 17° 7 | 1°D52 | 6° 9 | 23°40 | 10° 0 | 10°58 | 8°16 | 2°22 | T 11 |
| W12 | 11 18 53 | 21°10'41 | 8♒23 | 24°21 | 19°38 | 22°52 | 3°58 | 17° 6 | 1°52 | 6° 9 | 23°39 | 9°57 | 10°54 | 8°22 | 2°26 | W12 |
| T 13 | 11 22 50 | 22°11'02 | 21°19 | 25°18 | 20°52 | 23°38 | 4° 0 | 17° 4 | 1°52 | 6° 9 | 23°37 | 9°55 | 10°51 | 8°29 | 2°29 | T 13 |
| F 14 | 11 26 46 | 23°11'23 | 4♓35 | 26°18 | 22° 6 | 24°24 | 4° 1 | 17° 2 | 1°52 | 6° 9 | 23°35 | 9°52 | 10°48 | 8°36 | 2°33 | F 14 |
| S 15 | 11 30 43 | 24°11'42 | 18°11 | 27°21 | 23°19 | 25°10 | 4° 2 | 17° 1 | 1°53 | 6° 9 | 23°34 | 9°50 | 10°45 | 8°42 | 2°37 | S 15 |
| S 16 | 11 34 39 | 25°11'59 | 2♈ 4 | 28°26 | 24°33 | 25°57 | 4° 3 | 16°59 | 1°53 | 6° 8 | 23°32 | 9°50 | 10°42 | 8°49 | 2°40 | S 16 |
| M17 | 11 38 36 | 26°12'14 | 16°11 | 29°34 | 25°46 | 26°43 | 4° 3 | 16°57 | 1°53 | 6° 8 | 23°31 | 9°D49 | 10°39 | 8°56 | 2°44 | M17 |
| T 18 | 11 42 32 | 27°12'28 | 0♉27 | 0♓43 | 27° 0 | 27°29 | 4° 4 | 16°55 | 1°54 | 6° 8 | 23°29 | 9°50 | 10°35 | 9° 2 | 2°48 | T 18 |
| W19 | 11 46 29 | 28°12'40 | 14°49 | 1°54 | 28°13 | 28°16 | 4° 4 | 16°52 | 1°54 | 6° 7 | 23°28 | 9°51 | 10°32 | 9° 9 | 2°52 | W19 |
| T 20 | 11 50 25 | 29°12'50 | 29°12 | 3° 8 | 29°27 | 29° 2 | 4°R 4 | 16°50 | 1°55 | 6° 7 | 23°26 | 9°52 | 10°29 | 9°16 | 2°55 | T 20 |
| F 21 | 11 54 22 | 0♈12'57 | 13♊31 | 4°23 | 0♉40 | 29°48 | 4° 4 | 16°48 | 1°55 | 6° 7 | 23°24 | 9°53 | 10°26 | 9°23 | 2°59 | F 21 |
| S 22 | 11 58 19 | 1°13'03 | 27°45 | 5°40 | 1°53 | 0♓35 | 4° 4 | 16°45 | 1°56 | 6° 6 | 23°23 | 9°R53 | 10°23 | 9°29 | 3° 3 | S 22 |
| S 23 | 12 2 15 | 2°13'07 | 11♋50 | 6°58 | 3° 7 | 1°21 | 4° 3 | 16°43 | 1°56 | 6° 6 | 23°21 | 9°53 | 10°20 | 9°36 | 3° 6 | S 23 |
| M24 | 12 6 12 | 3°13'09 | 25°45 | 8°18 | 4°20 | 2° 7 | 4° 3 | 16°40 | 1°57 | 6° 5 | 23°20 | 9°52 | 10°16 | 9°43 | 3°10 | M24 |
| T 25 | 12 10 8 | 4°13'08 | 9♌30 | 9°40 | 5°33 | 2°54 | 4° 2 | 16°37 | 1°58 | 6° 5 | 23°18 | 9°52 | 10°13 | 9°49 | 3°14 | T 25 |
| W26 | 12 14 5 | 5°13'05 | 23° 2 | 11° 3 | 6°46 | 3°40 | 4° 1 | 16°35 | 1°59 | 6° 4 | 23°17 | 9°51 | 10°10 | 9°56 | 3°18 | W26 |
| T 27 | 12 18 1 | 6°13'01 | 6♍21 | 12°27 | 7°59 | 4°27 | 3°59 | 16°32 | 1°59 | 6° 4 | 23°15 | 9°51 | 10° 7 | 10° 3 | 3°21 | T 27 |
| F 28 | 12 21 58 | 7°12'54 | 19°26 | 13°53 | 9°12 | 5°13 | 3°58 | 16°29 | 2° 0 | 6° 3 | 23°14 | 9°50 | 10° 4 | 10° 9 | 3°25 | F 28 |
| S 29 | 12 25 54 | 8°12'45 | 2♎18 | 15°21 | 10°25 | 6° 0 | 3°56 | 16°26 | 2° 1 | 6° 2 | 23°12 | 9°50 | 10° 0 | 10°16 | 3°29 | S 29 |
| S 30 | 12 29 51 | 9°12'34 | 14°57 | 16°49 | 11°37 | 6°46 | 3°55 | 16°23 | 2° 2 | 6° 2 | 23°11 | 9°D50 | 9°57 | 10°23 | 3°32 | S 30 |
| M31 | 12 33 48 | 10♈12'22 | 27♎22 | 18♓19 | 12♉50 | 7♓33 | 3♐53 | 16♏19 | 2♋ 3 | 6♐ 1 | 23♍ 9 | 9°R50 | 9♈54 | 10♐30 | 3♈36 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7s45 | 3n48 | 1n28 | 13s16 | 2n 8 | 1n21 | 1s 8 | 17s24 | 1s 1 | 19s41 | 1n 6 | 14s29 | 2n31 | 23n31 | 0n13 | 19s36 | 1n39 | 14n57 | 13n41 | 3n56 | 4n31 | 25s35 | 3n39 | 3n13 |
| S 2 | 7 22 | 2s22 | 0 18 | 13 26 | 1 55 | 1 52 | 1 6 | 17 11 | 1 1 | 19 41 | 1 6 | 14 29 | 2 32 | 23 31 | 0 13 | 19 36 | 1 39 | 14 58 | 13 41 | 3 56 | 4 30 | 25 37 | 3 40 | 3 13 |
| M 3 | 6 59 | 8 18 | 0s51 | 13 34 | 1 43 | 2 23 | 1 4 | 16 57 | 1 2 | 19 41 | 1 6 | 14 28 | 2 32 | 23 31 | 0 13 | 19 36 | 1 39 | 14 59 | 13 42 | 3 56 | 4 29 | 25 38 | 3 42 | 3 13 |
| T 4 | 6 36 | 13 48 | 1 56 | 13 40 | 1 30 | 2 54 | 1 2 | 16 44 | 1 2 | 19 42 | 1 6 | 14 28 | 2 32 | 23 31 | 0 13 | 19 36 | 1 39 | 14 59 | 13 42 | 3 57 | 4 28 | 25 40 | 3 43 | 3 12 |
| W 5 | 6 13 | 18 40 | 2 55 | 13 44 | 1 17 | 3 25 | 1 0 | 16 31 | 1 3 | 19 42 | 1 6 | 14 27 | 2 32 | 23 31 | 0 13 | 19 36 | 1 39 | 15 0 | 13 42 | 3 57 | 4 26 | 25 42 | 3 44 | 3 12 |
| T 6 | 5 50 | 22 44 | 3 45 | 13 46 | 1 5 | 3 56 | 0 58 | 16 17 | 1 3 | 19 43 | 1 6 | 14 27 | 2 33 | 23 31 | 0 13 | 19 36 | 1 39 | 15 1 | 13 42 | 3 58 | 4 25 | 25 43 | 3 46 | 3 12 |
| F 7 | 5 26 | 25 50 | 4 26 | 13 47 | 0 53 | 4 26 | 0 56 | 16 3 | 1 3 | 19 43 | 1 6 | 14 26 | 2 33 | 23 31 | 0 13 | 19 36 | 1 39 | 15 2 | 13 42 | 3 58 | 4 24 | 25 45 | 3 47 | 3 12 |
| S 8 | 5 3 | 27 48 | 4 55 | 13 46 | 0 41 | 4 57 | 0 54 | 15 49 | 1 4 | 19 43 | 1 7 | 14 26 | 2 33 | 23 31 | 0 13 | 19 36 | 1 39 | 15 2 | 13 42 | 3 59 | 4 23 | 25 46 | 3 48 | 3 12 |
| S 9 | 4 40 | 28 30 | 5 11 | 13 43 | 0 29 | 5 27 | 0 51 | 15 35 | 1 4 | 19 44 | 1 7 | 14 25 | 2 33 | 23 31 | 0 13 | 19 36 | 1 39 | 15 3 | 13 42 | 3 58 | 4 21 | 25 48 | 3 50 | 3 12 |
| M10 | 4 16 | 27 51 | 5 14 | 13 38 | 0 18 | 5 58 | 0 49 | 15 20 | 1 5 | 19 44 | 1 7 | 14 25 | 2 33 | 23 31 | 0 13 | 19 36 | 1 39 | 15 4 | 13 42 | 3 58 | 4 20 | 25 49 | 3 51 | 3 12 |
| T 11 | 3 52 | 25 51 | 5 3 | 13 32 | 0 7 | 6 28 | 0 46 | 15 6 | 1 5 | 19 44 | 1 7 | 14 24 | 2 34 | 23 31 | 0 13 | 19 36 | 1 39 | 15 4 | 13 43 | 3 57 | 4 19 | 25 51 | 3 52 | 3 12 |
| W12 | 3 29 | 22 32 | 4 37 | 13 24 | 0s 4 | 6 58 | 0 44 | 14 51 | 1 5 | 19 44 | 1 7 | 14 23 | 2 34 | 23 31 | 0 13 | 19 36 | 1 39 | 15 5 | 13 43 | 3 55 | 4 18 | 25 53 | 3 54 | 3 12 |
| T 13 | 3 5 | 18 3 | 3 57 | 13 15 | 0 14 | 7 28 | 0 41 | 14 37 | 1 6 | 19 44 | 1 7 | 14 23 | 2 34 | 23 31 | 0 13 | 19 35 | 1 40 | 15 6 | 13 43 | 3 54 | 4 17 | 25 54 | 3 55 | 3 11 |
| F 14 | 2 41 | 12 37 | 3 2 | 13 4 | 0 24 | 7 58 | 0 39 | 14 22 | 1 6 | 19 44 | 1 7 | 14 22 | 2 34 | 23 31 | 0 13 | 19 35 | 1 40 | 15 6 | 13 43 | 3 53 | 4 15 | 25 56 | 3 56 | 3 11 |
| S 15 | 2 18 | 6 27 | 1 57 | 12 51 | 0 34 | 8 27 | 0 36 | 14 7 | 1 6 | 19 44 | 1 8 | 14 21 | 2 35 | 23 31 | 0 13 | 19 35 | 1 40 | 15 7 | 13 43 | 3 53 | 4 14 | 25 57 | 3 58 | 3 11 |
| S 16 | 1 54 | 0n10 | 0 43 | 12 38 | 0 43 | 8 57 | 0 34 | 13 51 | 1 7 | 19 44 | 1 8 | 14 21 | 2 35 | 23 31 | 0 13 | 19 35 | 1 40 | 15 8 | 13 43 | 3 52 | 4 13 | 25 59 | 3 59 | 3 11 |
| M17 | 1 30 | 6 52 | 0n35 | 12 22 | 0 51 | 9 26 | 0 31 | 13 36 | 1 7 | 19 44 | 1 8 | 14 20 | 2 35 | 23 31 | 0 13 | 19 35 | 1 40 | 15 8 | 13 43 | 3 52 | 4 12 | 26 0 | 4 0 | 3 11 |
| T 18 | 1 6 | 13 19 | 1 52 | 12 6 | 1 0 | 9 55 | 0 28 | 13 20 | 1 7 | 19 44 | 1 8 | 14 19 | 2 35 | 23 31 | 0 13 | 19 35 | 1 40 | 15 9 | 13 43 | 3 53 | 4 10 | 26 2 | 4 2 | 3 11 |
| W19 | 0 42 | 19 6 | 3 2 | 11 48 | 1 8 | 10 24 | 0 25 | 13 5 | 1 8 | 19 44 | 1 8 | 14 18 | 2 35 | 23 31 | 0 13 | 19 35 | 1 40 | 15 10 | 13 43 | 3 53 | 4 9 | 26 3 | 4 3 | 3 11 |
| T 20 | 0 19 | 23 47 | 4 0 | 11 29 | 1 15 | 10 52 | 0 22 | 12 49 | 1 8 | 19 44 | 1 8 | 14 18 | 2 36 | 23 31 | 0 13 | 19 35 | 1 40 | 15 10 | 13 43 | 3 53 | 4 8 | 26 5 | 4 5 | 3 11 |
| F 21 | 0n 5 | 27 0 | 4 44 | 11 8 | 1 22 | 11 21 | 0 20 | 12 33 | 1 8 | 19 44 | 1 8 | 14 17 | 2 36 | 23 31 | 0 13 | 19 35 | 1 40 | 15 11 | 13 43 | 3 54 | 4 7 | 26 6 | 4 6 | 3 11 |
| S 22 | 0 29 | 28 28 | 5 10 | 10 46 | 1 29 | 11 49 | 0 17 | 12 17 | 1 9 | 19 44 | 1 9 | 14 16 | 2 36 | 23 31 | 0 13 | 19 34 | 1 40 | 15 12 | 13 43 | 3 54 | 4 5 | 26 8 | 4 7 | 3 11 |
| S 23 | 0 53 | 28 3 | 5 17 | 10 23 | 1 36 | 12 16 | 0 14 | 12 1 | 1 9 | 19 43 | 1 9 | 14 15 | 2 36 | 23 31 | 0 13 | 19 34 | 1 40 | 15 12 | 13 43 | 3 54 | 4 4 | 26 9 | 4 9 | 3 11 |
| M24 | 1 16 | 25 52 | 5 5 | 9 59 | 1 42 | 12 44 | 0 11 | 11 45 | 1 9 | 19 43 | 1 9 | 14 14 | 2 36 | 23 31 | 0 13 | 19 34 | 1 40 | 15 13 | 13 43 | 3 54 | 4 3 | 26 11 | 4 10 | 3 11 |
| T 25 | 1 40 | 22 13 | 4 36 | 9 34 | 1 47 | 13 11 | 0 8 | 11 28 | 1 10 | 19 43 | 1 9 | 14 13 | 2 37 | 23 31 | 0 13 | 19 34 | 1 40 | 15 14 | 13 43 | 3 53 | 4 2 | 26 12 | 4 12 | 3 10 |
| W26 | 2 4 | 17 25 | 3 51 | 9 7 | 1 52 | 13 38 | 0 5 | 11 12 | 1 10 | 19 43 | 1 9 | 14 12 | 2 37 | 23 31 | 0 13 | 19 34 | 1 40 | 15 14 | 13 43 | 3 53 | 4 0 | 26 14 | 4 13 | 3 10 |
| T 27 | 2 27 | 11 51 | 2 55 | 8 39 | 1 57 | 14 4 | 0 2 | 10 55 | 1 10 | 19 42 | 1 9 | 14 11 | 2 37 | 23 31 | 0 13 | 19 34 | 1 40 | 15 15 | 13 43 | 3 53 | 3 59 | 26 15 | 4 14 | 3 10 |
| F 28 | 2 51 | 5 52 | 1 51 | 8 10 | 2 1 | 14 31 | 0n 1 | 10 39 | 1 11 | 19 42 | 1 9 | 14 10 | 2 37 | 23 31 | 0 13 | 19 34 | 1 40 | 15 15 | 13 43 | 3 53 | 3 58 | 26 16 | 4 16 | 3 10 |
| S 29 | 3 14 | 0s17 | 0 42 | 7 40 | 2 5 | 14 57 | 0 5 | 10 22 | 1 11 | 19 41 | 1 10 | 14 9 | 2 37 | 23 31 | 0 13 | 19 33 | 1 40 | 15 16 | 13 43 | 3 53 | 3 57 | 26 18 | 4 17 | 3 10 |
| S 30 | 3 38 | 6 18 | 0s28 | 7 9 | 2 9 | 15 22 | 0 8 | 10 5 | 1 11 | 19 41 | 1 10 | 14 8 | 2 37 | 23 31 | 0 13 | 19 33 | 1 40 | 15 16 | 13 43 | 3 53 | 3 55 | 26 19 | 4 19 | 3 10 |
| M31 | 4n 1 | 11s59 | 1s36 | 6s37 | 2s12 | 15n47 | 0n11 | 9s48 | 1s11 | 19s41 | 1n10 | 14s 7 | 2n38 | 23n31 | 0n13 | 19s33 | 1n40 | 15n17 | 13n43 | 3n53 | 3n54 | 26s21 | 4n20 | 3n10 |

Julian Day Number = 2800410.5, Delta T = 50m07s
Ecliptic obliquity = 23°19'05, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°06'37, Lahiri = 37°13'37


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# ASTRODIENST EPHEMERIS for the year 2955
# geocentric

## APRIL 2955 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 37 44 | 11♈12'07 | 9♏36 | 19♓50 | 14♉ 3 | 8♓19 | 3°R51 | 16°R16 | 2♋ 4 | 6°R 0 | 23°R 8 | 9°R50 | 9♈51 | 10♐36 | 3♈40 | T 1 |
| W 2 | 12 41 41 | 12°11'51 | 21°40 | 21°23 | 15°15 | 9° 6 | 3♐48 | 16♏13 | 2° 6 | 5♐59 | 23♍ 6 | 9♈50 | 9°48 | 10°43 | 3°43 | W 2 |
| T 3 | 12 45 37 | 13°11'33 | 3♐36 | 22°56 | 16°28 | 9°52 | 3°46 | 16° 9 | 2° 7 | 5°59 | 23° 5 | 9°50 | 9°45 | 10°50 | 3°47 | T 3 |
| F 4 | 12 49 34 | 14°11'14 | 15°28 | 24°32 | 17°40 | 10°39 | 3°43 | 16° 6 | 2° 8 | 5°58 | 23° 3 | 9°49 | 9°41 | 10°56 | 3°51 | F 4 |
| S 5 | 12 53 30 | 15°10'53 | 27°20 | 26° 8 | 18°53 | 11°25 | 3°40 | 16° 2 | 2° 9 | 5°57 | 23° 2 | 9°49 | 9°38 | 11° 3 | 3°54 | S 5 |
| S 6 | 12 57 27 | 16°10'30 | 9♑16 | 27°45 | 20° 5 | 12°12 | 3°37 | 15°59 | 2°11 | 5°56 | 23° 1 | 9°48 | 9°35 | 11°10 | 3°58 | S 6 |
| M 7 | 13 1 23 | 17°10'05 | 21°21 | 29°24 | 21°17 | 12°59 | 3°34 | 15°55 | 2°12 | 5°55 | 22°59 | 9°D48 | 9°32 | 11°17 | 4° 2 | M 7 |
| T 8 | 13 5 20 | 18° 9'39 | 3♒38 | 1♈ 5 | 22°29 | 13°45 | 3°30 | 15°51 | 2°14 | 5°54 | 22°58 | 9°49 | 9°29 | 11°23 | 4° 5 | T 8 |
| W 9 | 13 9 17 | 19° 9'11 | 16°13 | 2°46 | 23°41 | 14°32 | 3°27 | 15°48 | 2°15 | 5°53 | 22°56 | 9°49 | 9°26 | 11°30 | 4° 9 | W 9 |
| T 10 | 13 13 13 | 20° 8'41 | 29° 9 | 4°29 | 24°53 | 15°18 | 3°23 | 15°44 | 2°17 | 5°52 | 22°55 | 9°50 | 9°22 | 11°37 | 4°13 | T 10 |
| F 11 | 13 17 10 | 21° 8'09 | 12♓29 | 6°13 | 26° 5 | 16° 5 | 3°19 | 15°40 | 2°18 | 5°51 | 22°54 | 9°51 | 9°19 | 11°43 | 4°16 | F 11 |
| S 12 | 13 21 6 | 22° 7'36 | 26°13 | 7°58 | 27°17 | 16°52 | 3°15 | 15°36 | 2°20 | 5°50 | 22°52 | 9°52 | 9°16 | 11°50 | 4°20 | S 12 |
| S 13 | 13 25 3 | 23° 7'00 | 10♈21 | 9°45 | 28°29 | 17°38 | 3°11 | 15°32 | 2°22 | 5°49 | 22°51 | 9°R52 | 9°13 | 11°57 | 4°23 | S 13 |
| M14 | 13 28 59 | 24° 6'23 | 24°49 | 11°33 | 29°41 | 18°25 | 3° 7 | 15°28 | 2°23 | 5°48 | 22°50 | 9°52 | 9°10 | 12° 3 | 4°27 | M14 |
| T 15 | 13 32 56 | 25° 5'44 | 9♉31 | 13°23 | 0♊52 | 19°12 | 3° 2 | 15°23 | 2°25 | 5°47 | 22°49 | 9°51 | 9° 6 | 12°10 | 4°30 | T 15 |
| W16 | 13 36 52 | 26° 5'03 | 24°21 | 15°14 | 2° 4 | 19°58 | 2°57 | 15°19 | 2°27 | 5°46 | 22°47 | 9°49 | 9° 3 | 12°17 | 4°34 | W16 |
| T 17 | 13 40 49 | 27° 4'20 | 9♊11 | 17° 6 | 3°15 | 20°45 | 2°52 | 15°15 | 2°29 | 5°45 | 22°46 | 9°47 | 9° 0 | 12°24 | 4°37 | T 17 |
| F 18 | 13 44 46 | 28° 3'34 | 23°53 | 18°59 | 4°26 | 21°31 | 2°47 | 15°11 | 2°31 | 5°43 | 22°45 | 9°45 | 8°57 | 12°30 | 4°41 | F 18 |
| S 19 | 13 48 42 | 29° 2'47 | 8♋22 | 20°54 | 5°38 | 22°18 | 2°42 | 15° 6 | 2°33 | 5°42 | 22°44 | 9°43 | 8°54 | 12°37 | 4°44 | S 19 |
| S 20 | 13 52 39 | 0♉ 1'57 | 22°33 | 22°51 | 6°49 | 23° 5 | 2°37 | 15° 2 | 2°35 | 5°41 | 22°42 | 9°42 | 8°51 | 12°44 | 4°48 | S 20 |
| M21 | 13 56 35 | 1° 1'05 | 6♌25 | 24°48 | 8° 0 | 23°51 | 2°31 | 14°58 | 2°37 | 5°40 | 22°41 | 9°D42 | 8°47 | 12°50 | 4°51 | M21 |
| T 22 | 14 0 32 | 2° 0'10 | 19°58 | 26°47 | 9°11 | 24°38 | 2°26 | 14°53 | 2°39 | 5°38 | 22°40 | 9°42 | 8°44 | 12°57 | 4°55 | T 22 |
| W23 | 14 4 28 | 2°59'13 | 3♍12 | 28°48 | 10°22 | 25°24 | 2°20 | 14°49 | 2°41 | 5°37 | 22°39 | 9°44 | 8°41 | 13° 4 | 4°58 | W23 |
| T 24 | 14 8 25 | 3°58'14 | 16°11 | 0♎49 | 11°33 | 26°11 | 2°14 | 14°44 | 2°43 | 5°36 | 22°38 | 9°45 | 8°38 | 13°11 | 5° 1 | T 24 |
| F 25 | 14 12 21 | 4°57'12 | 28°55 | 2°52 | 12°43 | 26°58 | 2° 8 | 14°40 | 2°45 | 5°34 | 22°37 | 9°47 | 8°35 | 13°17 | 5° 5 | F 25 |
| S 26 | 14 16 18 | 5°56'09 | 11♎26 | 4°56 | 13°54 | 27°44 | 2° 2 | 14°35 | 2°48 | 5°33 | 22°36 | 9°R47 | 8°31 | 13°24 | 5° 8 | S 26 |
| S 27 | 14 20 14 | 6°55'03 | 23°47 | 7° 0 | 15° 4 | 28°31 | 1°56 | 14°31 | 2°50 | 5°32 | 22°35 | 9°46 | 8°28 | 13°31 | 5°11 | S 27 |
| M28 | 14 24 11 | 7°53'56 | 5♏59 | 9° 6 | 16°15 | 29°17 | 1°50 | 14°26 | 2°52 | 5°30 | 22°34 | 9°44 | 8°25 | 13°37 | 5°14 | M28 |
| T 29 | 14 28 8 | 8°52'46 | 18° 3 | 11°12 | 17°25 | 0♈ 4 | 1°43 | 14°22 | 2°55 | 5°29 | 22°33 | 9°40 | 8°22 | 13°44 | 5°18 | T 29 |
| W30 | 14 32 4 | 9♉51'35 | 0♐ 2 | 13♉18 | 18♊35 | 0♈51 | 1♐37 | 14♏17 | 2♋57 | 5♐28 | 22♍32 | 9♈36 | 8♈19 | 13♐51 | 5♈21 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4n25 | 17s 6 | 2s38 | 6s 4 | 2s14 | 16n12 | 0n14 | 9s31 | 1s12 | 19s40 | 1n10 | 14s 6 | 2n38 | 23n31 | 0n13 | 19s33 | 1n40 | 15n17 | 13n43 | 3n53 | 3n53 | 26s22 | 4n21 | 3n10 |
| W 2 | 4 48 | 21 30 | 3 32 | 5 30 | 2 17 | 16 36 | 0 17 | 9 14 | 1 12 | 19 39 | 1 10 | 14 5 | 2 38 | 23 31 | 0 13 | 19 33 | 1 41 | 15 18 | 13 43 | 3 53 | 3 52 | 26 24 | 4 23 | 3 10 |
| T 3 | 5 11 | 24 57 | 4 16 | 4 55 | 2 18 | 17 0 | 0 20 | 8 57 | 1 12 | 19 39 | 1 10 | 14 4 | 2 38 | 23 31 | 0 13 | 19 33 | 1 41 | 15 18 | 13 43 | 3 52 | 3 50 | 26 25 | 4 24 | 3 10 |
| F 4 | 5 34 | 27 19 | 4 49 | 4 18 | 2 20 | 17 24 | 0 24 | 8 39 | 1 12 | 19 38 | 1 10 | 14 3 | 2 38 | 23 31 | 0 13 | 19 32 | 1 41 | 15 19 | 13 43 | 3 52 | 3 49 | 26 26 | 4 26 | 3 10 |
| S 5 | 5 57 | 28 27 | 5 9 | 3 41 | 2 21 | 17 47 | 0 27 | 8 22 | 1 13 | 19 38 | 1 10 | 14 1 | 2 38 | 23 31 | 0 13 | 19 32 | 1 41 | 15 19 | 13 43 | 3 52 | 3 48 | 26 28 | 4 27 | 3 10 |
| S 6 | 6 20 | 28 16 | 5 17 | 3 3 | 2 21 | 18 9 | 0 30 | 8 4 | 1 13 | 19 37 | 1 11 | 14 0 | 2 38 | 23 31 | 0 13 | 19 32 | 1 41 | 15 20 | 13 42 | 3 52 | 3 47 | 26 29 | 4 29 | 3 10 |
| M 7 | 6 43 | 26 45 | 5 11 | 2 24 | 2 21 | 18 32 | 0 33 | 7 47 | 1 13 | 19 36 | 1 11 | 13 59 | 2 39 | 23 31 | 0 13 | 19 32 | 1 41 | 15 20 | 13 42 | 3 52 | 3 45 | 26 30 | 4 30 | 3 10 |
| T 8 | 7 5 | 23 56 | 4 50 | 1 44 | 2 21 | 18 53 | 0 37 | 7 29 | 1 13 | 19 35 | 1 11 | 13 58 | 2 39 | 23 31 | 0 13 | 19 32 | 1 41 | 15 21 | 13 42 | 3 52 | 3 44 | 26 32 | 4 31 | 3 10 |
| W 9 | 7 28 | 19 57 | 4 15 | 1 3 | 2 20 | 19 15 | 0 40 | 7 11 | 1 13 | 19 35 | 1 11 | 13 57 | 2 39 | 23 31 | 0 13 | 19 31 | 1 41 | 15 21 | 13 42 | 3 52 | 3 43 | 26 33 | 4 33 | 3 10 |
| T 10 | 7 50 | 14 56 | 3 27 | 0 21 | 2 18 | 19 36 | 0 43 | 6 54 | 1 14 | 19 34 | 1 11 | 13 56 | 2 39 | 23 31 | 0 13 | 19 31 | 1 41 | 15 22 | 13 42 | 3 53 | 3 42 | 26 35 | 4 34 | 3 10 |
| F 11 | 8 12 | 9 5 | 2 26 | 0n22 | 2 16 | 19 56 | 0 46 | 6 36 | 1 14 | 19 33 | 1 11 | 13 54 | 2 39 | 23 31 | 0 13 | 19 31 | 1 41 | 15 22 | 13 42 | 3 53 | 3 41 | 26 36 | 4 36 | 3 10 |
| S 12 | 8 34 | 2 38 | 1 15 | 1 6 | 2 14 | 20 16 | 0 50 | 6 18 | 1 14 | 19 32 | 1 11 | 13 53 | 2 39 | 23 31 | 0 13 | 19 31 | 1 41 | 15 23 | 13 42 | 3 53 | 3 39 | 26 37 | 4 37 | 3 10 |
| S 13 | 8 56 | 4n 7 | 0n 3 | 1 50 | 2 11 | 20 35 | 0 53 | 6 0 | 1 14 | 19 31 | 1 11 | 13 52 | 2 39 | 23 31 | 0 13 | 19 31 | 1 41 | 15 23 | 13 42 | 3 53 | 3 38 | 26 39 | 4 38 | 3 10 |
| M14 | 9 18 | 10 50 | 1 22 | 2 35 | 2 8 | 20 54 | 0 56 | 5 42 | 1 14 | 19 30 | 1 11 | 13 51 | 2 39 | 23 31 | 0 13 | 19 30 | 1 41 | 15 23 | 13 41 | 3 53 | 3 37 | 26 40 | 4 40 | 3 10 |
| T 15 | 9 40 | 17 4 | 2 37 | 3 21 | 2 4 | 21 12 | 0 59 | 5 24 | 1 14 | 19 29 | 1 11 | 13 49 | 2 40 | 23 31 | 0 13 | 19 30 | 1 41 | 15 24 | 13 41 | 3 53 | 3 36 | 26 41 | 4 41 | 3 10 |
| W16 | 10 1 | 22 21 | 3 42 | 4 8 | 2 0 | 21 30 | 1 3 | 5 6 | 1 15 | 19 28 | 1 12 | 13 48 | 2 40 | 23 31 | 0 13 | 19 30 | 1 41 | 15 24 | 13 41 | 3 52 | 3 34 | 26 42 | 4 43 | 3 10 |
| T 17 | 10 23 | 26 11 | 4 32 | 4 55 | 1 55 | 21 47 | 1 6 | 4 48 | 1 15 | 19 27 | 1 12 | 13 47 | 2 40 | 23 30 | 0 13 | 19 30 | 1 41 | 15 24 | 13 41 | 3 51 | 3 33 | 26 44 | 4 44 | 3 10 |
| F 18 | 10 44 | 28 14 | 5 3 | 5 43 | 1 49 | 22 3 | 1 9 | 4 29 | 1 15 | 19 26 | 1 12 | 13 45 | 2 40 | 23 30 | 0 13 | 19 29 | 1 41 | 15 25 | 13 41 | 3 50 | 3 32 | 26 45 | 4 45 | 3 10 |
| S 19 | 11 5 | 28 18 | 5 15 | 6 31 | 1 44 | 22 19 | 1 12 | 4 11 | 1 15 | 19 25 | 1 12 | 13 44 | 2 40 | 23 30 | 0 13 | 19 29 | 1 41 | 15 25 | 13 41 | 3 50 | 3 31 | 26 46 | 4 47 | 3 10 |
| S 20 | 11 26 | 26 30 | 5 7 | 7 20 | 1 37 | 22 35 | 1 15 | 3 53 | 1 15 | 19 24 | 1 12 | 13 43 | 2 40 | 23 30 | 0 13 | 19 29 | 1 41 | 15 25 | 13 40 | 3 49 | 3 29 | 26 48 | 4 48 | 3 10 |
| M21 | 11 46 | 23 7 | 4 42 | 8 9 | 1 31 | 22 49 | 1 18 | 3 35 | 1 15 | 19 23 | 1 12 | 13 41 | 2 40 | 23 30 | 0 13 | 19 29 | 1 41 | 15 26 | 13 40 | 3 49 | 3 28 | 26 49 | 4 49 | 3 10 |
| T 22 | 12 7 | 18 34 | 4 1 | 8 59 | 1 23 | 23 4 | 1 22 | 3 16 | 1 15 | 19 22 | 1 12 | 13 40 | 2 40 | 23 30 | 0 13 | 19 28 | 1 41 | 15 26 | 13 40 | 3 50 | 3 27 | 26 50 | 4 51 | 3 10 |
| W23 | 12 27 | 13 12 | 3 8 | 9 49 | 1 15 | 23 17 | 1 25 | 2 58 | 1 15 | 19 21 | 1 12 | 13 39 | 2 40 | 23 30 | 0 13 | 19 28 | 1 41 | 15 26 | 13 40 | 3 50 | 3 26 | 26 51 | 4 52 | 3 10 |
| T 24 | 12 47 | 7 22 | 2 6 | 10 39 | 1 7 | 23 30 | 1 28 | 2 40 | 1 15 | 19 20 | 1 12 | 13 38 | 2 40 | 23 30 | 0 13 | 19 28 | 1 41 | 15 26 | 13 40 | 3 51 | 3 24 | 26 53 | 4 53 | 3 10 |
| F 25 | 13 6 | 1 20 | 0 59 | 11 29 | 0 59 | 23 42 | 1 31 | 2 21 | 1 15 | 19 18 | 1 12 | 13 36 | 2 40 | 23 30 | 0 13 | 19 28 | 1 41 | 15 27 | 13 39 | 3 51 | 3 23 | 26 54 | 4 55 | 3 10 |
| S 26 | 13 26 | 4s38 | 0s 9 | 12 19 | 0 50 | 23 54 | 1 34 | 2 3 | 1 16 | 19 17 | 1 12 | 13 35 | 2 40 | 23 30 | 0 13 | 19 27 | 1 41 | 15 27 | 13 39 | 3 51 | 3 22 | 26 55 | 4 56 | 3 10 |
| S 27 | 13 45 | 10 22 | 1 16 | 13 9 | 0 40 | 24 5 | 1 37 | 1 45 | 1 16 | 19 16 | 1 12 | 13 33 | 2 40 | 23 30 | 0 13 | 19 27 | 1 41 | 15 27 | 13 39 | 3 51 | 3 21 | 26 56 | 4 57 | 3 10 |
| M28 | 14 4 | 15 38 | 2 19 | 13 59 | 0 30 | 24 16 | 1 39 | 1 26 | 1 16 | 19 15 | 1 12 | 13 32 | 2 40 | 23 30 | 0 13 | 19 27 | 1 41 | 15 27 | 13 39 | 3 50 | 3 19 | 26 57 | 4 59 | 3 10 |
| T 29 | 14 23 | 20 14 | 3 14 | 14 48 | 0 20 | 24 25 | 1 42 | 1 8 | 1 16 | 19 13 | 1 12 | 13 31 | 2 40 | 23 30 | 0 13 | 19 27 | 1 42 | 15 27 | 13 38 | 3 49 | 3 18 | 26 59 | 5 0 | 3 10 |
| W30 | 14n42 | 23s58 | 4s 1 | 15n36 | 0s10 | 24n35 | 1n45 | 0s50 | 1s16 | 19s12 | 1n12 | 13s29 | 2n40 | 23n30 | 0n13 | 19s26 | 1n42 | 15n28 | 13n38 | 3n47 | 3n17 | 27s 0 | 5n 1 | 3n10 |

Julian Day Number = 2800441.5, Delta T = 50m07s
Ecliptic obliquity = 23°19'05, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°06'41, Lahiri = 37°13'42


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# ASTRODIENST EPHEMERIS for the year 2955
# geocentric

## MAY 2955 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 36 1 | 10♉50'21 | 11♐56 | 15♉25 | 19♊45 | 1♈37 | 1°R30 | 14°R13 | 2♋59 | 5°R26 | 22°R31 | 9°R30 | 8♈16 | 13♐58 | 5♈24 | T 1 |
| F 2 | 14 39 57 | 11°49'07 | 23°48 | 17°32 | 20°55 | 2°24 | 1♐23 | 14♏ 8 | 3° 2 | 5♐25 | 22♍30 | 9♈24 | 8°12 | 14° 4 | 5°27 | F 2 |
| S 3 | 14 43 54 | 12°47'50 | 5♑40 | 19°38 | 22° 5 | 3°10 | 1°16 | 14° 3 | 3° 4 | 5°23 | 22°29 | 9°19 | 8° 9 | 14°11 | 5°30 | S 3 |
| S 4 | 14 47 50 | 13°46'31 | 17°36 | 21°44 | 23°14 | 3°57 | 1°10 | 13°59 | 3° 7 | 5°22 | 22°28 | 9°15 | 8° 6 | 14°18 | 5°33 | S 4 |
| M 5 | 14 51 47 | 14°45'11 | 29°39 | 23°49 | 24°24 | 4°43 | 1° 3 | 13°54 | 3°10 | 5°20 | 22°27 | 9°12 | 8° 3 | 14°24 | 5°36 | M 5 |
| T 6 | 14 55 44 | 15°43'50 | 11♒54 | 25°52 | 25°33 | 5°30 | 0°55 | 13°50 | 3°12 | 5°19 | 22°26 | 9°D11 | 8° 0 | 14°31 | 5°39 | T 6 |
| W 7 | 14 59 40 | 16°42'26 | 24°25 | 27°55 | 26°43 | 6°16 | 0°48 | 13°45 | 3°15 | 5°17 | 22°26 | 9°11 | 7°57 | 14°38 | 5°42 | W 7 |
| T 8 | 15 3 37 | 17°41'01 | 7♓16 | 29°55 | 27°52 | 7° 3 | 0°41 | 13°40 | 3°18 | 5°16 | 22°25 | 9°12 | 7°53 | 14°45 | 5°45 | T 8 |
| F 9 | 15 7 33 | 18°39'34 | 20°31 | 1♊53 | 29° 1 | 7°49 | 0°34 | 13°36 | 3°20 | 5°14 | 22°24 | 9°14 | 7°50 | 14°51 | 5°48 | F 9 |
| S 10 | 15 11 30 | 19°38'06 | 4♈13 | 3°48 | 0♋10 | 8°36 | 0°26 | 13°31 | 3°23 | 5°13 | 22°23 | 9°R15 | 7°47 | 14°58 | 5°51 | S 10 |
| S 11 | 15 15 26 | 20°36'36 | 18°23 | 5°41 | 1°19 | 9°22 | 0°19 | 13°27 | 3°26 | 5°11 | 22°23 | 9°14 | 7°44 | 15° 5 | 5°54 | S 11 |
| M12 | 15 19 23 | 21°35'05 | 2♉58 | 7°30 | 2°27 | 10° 8 | 0°12 | 13°22 | 3°29 | 5°10 | 22°22 | 9°12 | 7°41 | 15°11 | 5°57 | M12 |
| T 13 | 15 23 19 | 22°33'32 | 17°55 | 9°17 | 3°36 | 10°55 | 0° 4 | 13°18 | 3°32 | 5° 8 | 22°22 | 9° 8 | 7°37 | 15°18 | 6° 0 | T 13 |
| W14 | 15 27 16 | 23°31'57 | 3♊ 3 | 11° 0 | 4°44 | 11°41 | 29♏56 | 13°13 | 3°34 | 5° 6 | 22°21 | 9° 3 | 7°34 | 15°25 | 6° 3 | W14 |
| T 15 | 15 31 13 | 24°30'20 | 18°15 | 12°39 | 5°52 | 12°28 | 29°49 | 13° 9 | 3°37 | 5° 5 | 22°20 | 8°56 | 7°31 | 15°31 | 6° 5 | T 15 |
| F 16 | 15 35 9 | 25°28'42 | 3♋19 | 14°14 | 7° 1 | 13°14 | 29°41 | 13° 4 | 3°40 | 5° 3 | 22°20 | 8°49 | 7°28 | 15°38 | 6° 8 | F 16 |
| S 17 | 15 39 6 | 26°27'01 | 18° 6 | 15°46 | 8° 8 | 14° 0 | 29°34 | 13° 0 | 3°43 | 5° 2 | 22°19 | 8°43 | 7°25 | 15°45 | 6°11 | S 17 |
| S 18 | 15 43 2 | 27°25'19 | 2♌31 | 17°14 | 9°16 | 14°46 | 29°26 | 12°55 | 3°46 | 5° 0 | 22°19 | 8°39 | 7°22 | 15°52 | 6°13 | S 18 |
| M19 | 15 46 59 | 28°23'34 | 16°30 | 18°37 | 10°24 | 15°33 | 29°18 | 12°51 | 3°49 | 4°58 | 22°18 | 8°36 | 7°18 | 15°58 | 6°16 | M19 |
| T 20 | 15 50 55 | 29°21'48 | 0♍ 3 | 19°56 | 11°31 | 16°19 | 29°11 | 12°47 | 3°52 | 4°57 | 22°18 | 8°D35 | 7°15 | 16° 5 | 6°18 | T 20 |
| W21 | 15 54 52 | 0♊19'59 | 13°12 | 21°11 | 12°39 | 17° 5 | 29° 3 | 12°43 | 3°55 | 4°55 | 22°18 | 8°36 | 7°12 | 16°12 | 6°21 | W21 |
| T 22 | 15 58 48 | 1°18'09 | 26° 0 | 22°22 | 13°46 | 17°51 | 28°55 | 12°38 | 3°59 | 4°53 | 22°17 | 8°37 | 7° 9 | 16°18 | 6°23 | T 22 |
| F 23 | 16 2 45 | 2°16'16 | 8♎31 | 23°28 | 14°53 | 18°37 | 28°48 | 12°34 | 4° 2 | 4°52 | 22°17 | 8°R38 | 7° 6 | 16°25 | 6°26 | F 23 |
| S 24 | 16 6 42 | 3°14'22 | 20°49 | 24°29 | 15°59 | 19°24 | 28°40 | 12°30 | 4° 5 | 4°50 | 22°17 | 8°37 | 7° 3 | 16°32 | 6°28 | S 24 |
| S 25 | 16 10 38 | 4°12'26 | 2♏57 | 25°26 | 17° 6 | 20°10 | 28°33 | 12°26 | 4° 8 | 4°49 | 22°16 | 8°34 | 6°59 | 16°39 | 6°30 | S 25 |
| M26 | 16 14 35 | 5°10'28 | 14°58 | 26°19 | 18°12 | 20°56 | 28°25 | 12°22 | 4°11 | 4°47 | 22°16 | 8°29 | 6°56 | 16°45 | 6°33 | M26 |
| T 27 | 16 18 31 | 6° 8'28 | 26°54 | 27° 7 | 19°19 | 21°42 | 28°17 | 12°18 | 4°14 | 4°45 | 22°16 | 8°21 | 6°53 | 16°52 | 6°35 | T 27 |
| W28 | 16 22 28 | 7° 6'27 | 8♐48 | 27°49 | 20°25 | 22°28 | 28°10 | 12°14 | 4°18 | 4°44 | 22°16 | 8°11 | 6°50 | 16°59 | 6°37 | W28 |
| T 29 | 16 26 24 | 8° 4'25 | 20°40 | 28°28 | 21°30 | 23°14 | 28° 2 | 12°10 | 4°21 | 4°42 | 22°15 | 8° 0 | 6°47 | 17° 5 | 6°39 | T 29 |
| F 30 | 16 30 21 | 9° 2'21 | 2♑33 | 29° 1 | 22°36 | 24° 0 | 27°55 | 12° 6 | 4°24 | 4°40 | 22°15 | 7°48 | 6°43 | 17°12 | 6°41 | F 30 |
| S 31 | 16 34 17 | 10♊ 0'16 | 14♑27 | 29♊29 | 23♋41 | 24♈45 | 27♏48 | 12♏ 2 | 4♋27 | 4♐39 | 22♍15 | 7♈38 | 6♈40 | 17♐19 | 6♈44 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 15n 0 | 26s40 | 4s36 | 16n23 | 0n 1 | 24n43 | 1n48 | 0s31 | 1s16 | 19s11 | 1n12 | 13s28 | 2n40 | 23n30 | 0n13 | 19s26 | 1n42 | 15n28 | 13n38 | 3n45 | 3n16 | 27s 1 | 5n 3 | 3n10 |
| F 2 | 15 18 | 28 10 | 5 0 | 17 10 | 0 12 | 24 51 | 1 51 | 0 13 | 1 16 | 19 9 | 1 12 | 13 27 | 2 40 | 23 30 | 0 13 | 19 26 | 1 42 | 15 28 | 13 38 | 3 43 | 3 14 | 27 2 | 5 4 | 3 10 |
| S 3 | 15 36 | 28 22 | 5 11 | 17 55 | 0 22 | 24 58 | 1 53 | 0n 6 | 1 16 | 19 8 | 1 12 | 13 25 | 2 40 | 23 30 | 0 13 | 19 26 | 1 42 | 15 28 | 13 37 | 3 40 | 3 13 | 27 3 | 5 5 | 3 10 |
| S 4 | 15 54 | 27 15 | 5 8 | 18 38 | 0 33 | 25 4 | 1 56 | 0 24 | 1 16 | 19 6 | 1 12 | 13 24 | 2 40 | 23 30 | 0 13 | 19 25 | 1 42 | 15 28 | 13 37 | 3 39 | 3 12 | 27 5 | 5 6 | 3 10 |
| M 5 | 16 11 | 24 52 | 4 52 | 19 20 | 0 44 | 25 10 | 1 58 | 0 42 | 1 16 | 19 5 | 1 12 | 13 23 | 2 40 | 23 30 | 0 13 | 19 25 | 1 42 | 15 28 | 13 37 | 3 38 | 3 11 | 27 6 | 5 8 | 3 10 |
| T 6 | 16 28 | 21 20 | 4 22 | 20 1 | 0 55 | 25 15 | 2 1 | 1 1 | 1 16 | 19 4 | 1 12 | 13 21 | 2 40 | 23 30 | 0 13 | 19 25 | 1 42 | 15 28 | 13 37 | 3 37 | 3 9 | 27 7 | 5 9 | 3 10 |
| W 7 | 16 45 | 16 46 | 3 40 | 20 39 | 1 5 | 25 20 | 2 3 | 1 19 | 1 16 | 19 2 | 1 12 | 13 20 | 2 40 | 23 29 | 0 13 | 19 24 | 1 42 | 15 28 | 13 36 | 3 37 | 3 8 | 27 8 | 5 10 | 3 10 |
| T 8 | 17 1 | 11 21 | 2 45 | 21 15 | 1 15 | 25 24 | 2 6 | 1 37 | 1 16 | 19 1 | 1 12 | 13 19 | 2 40 | 23 29 | 0 13 | 19 24 | 1 42 | 15 28 | 13 36 | 3 38 | 3 7 | 27 9 | 5 11 | 3 10 |
| F 9 | 17 17 | 5 16 | 1 40 | 21 49 | 1 25 | 25 27 | 2 8 | 1 56 | 1 16 | 18 59 | 1 12 | 13 18 | 2 40 | 23 29 | 0 13 | 19 24 | 1 42 | 15 28 | 13 36 | 3 38 | 3 6 | 27 10 | 5 12 | 3 10 |
| S 10 | 17 33 | 1n15 | 0 27 | 22 21 | 1 34 | 25 29 | 2 10 | 2 14 | 1 16 | 18 58 | 1 12 | 13 16 | 2 40 | 23 29 | 0 13 | 19 24 | 1 42 | 15 28 | 13 36 | 3 39 | 3 4 | 27 11 | 5 14 | 3 10 |
| S 11 | 17 49 | 7 56 | 0n49 | 22 50 | 1 43 | 25 31 | 2 12 | 2 32 | 1 15 | 18 56 | 1 12 | 13 15 | 2 40 | 23 29 | 0 13 | 19 23 | 1 42 | 15 28 | 13 35 | 3 39 | 3 3 | 27 12 | 5 15 | 3 10 |
| M12 | 18 4 | 14 24 | 2 5 | 23 17 | 1 51 | 25 32 | 2 14 | 2 50 | 1 15 | 18 55 | 1 12 | 13 14 | 2 40 | 23 29 | 0 13 | 19 23 | 1 42 | 15 28 | 13 35 | 3 38 | 3 2 | 27 14 | 5 16 | 3 10 |
| T 13 | 18 19 | 20 11 | 3 14 | 23 41 | 1 59 | 25 33 | 2 16 | 3 8 | 1 15 | 18 53 | 1 12 | 13 12 | 2 40 | 23 29 | 0 13 | 19 23 | 1 42 | 15 28 | 13 35 | 3 36 | 3 1 | 27 15 | 5 17 | 3 10 |
| W14 | 18 34 | 24 45 | 4 10 | 24 3 | 2 5 | 25 32 | 2 18 | 3 27 | 1 15 | 18 52 | 1 12 | 13 11 | 2 40 | 23 29 | 0 13 | 19 22 | 1 42 | 15 28 | 13 34 | 3 34 | 2 59 | 27 16 | 5 18 | 3 10 |
| T 15 | 18 48 | 27 35 | 4 48 | 24 22 | 2 11 | 25 31 | 2 20 | 3 45 | 1 15 | 18 50 | 1 12 | 13 10 | 2 40 | 23 29 | 0 13 | 19 22 | 1 42 | 15 28 | 13 34 | 3 31 | 2 58 | 27 17 | 5 19 | 3 10 |
| F 16 | 19 2 | 28 23 | 5 6 | 24 39 | 2 17 | 25 30 | 2 22 | 4 3 | 1 15 | 18 48 | 1 12 | 13 9 | 2 40 | 23 29 | 0 13 | 19 22 | 1 42 | 15 28 | 13 34 | 3 29 | 2 57 | 27 18 | 5 20 | 3 11 |
| S 17 | 19 16 | 27 7 | 5 4 | 24 54 | 2 21 | 25 28 | 2 24 | 4 21 | 1 15 | 18 47 | 1 12 | 13 7 | 2 40 | 23 29 | 0 13 | 19 21 | 1 42 | 15 28 | 13 33 | 3 26 | 2 56 | 27 19 | 5 22 | 3 11 |
| S 18 | 19 29 | 24 4 | 4 42 | 25 6 | 2 25 | 25 25 | 2 25 | 4 39 | 1 15 | 18 45 | 1 12 | 13 6 | 2 40 | 23 29 | 0 13 | 19 21 | 1 42 | 15 28 | 13 33 | 3 25 | 2 54 | 27 20 | 5 23 | 3 11 |
| M19 | 19 42 | 19 41 | 4 3 | 25 17 | 2 27 | 25 21 | 2 27 | 4 56 | 1 15 | 18 44 | 1 12 | 13 5 | 2 39 | 23 29 | 0 13 | 19 21 | 1 42 | 15 28 | 13 33 | 3 24 | 2 53 | 27 21 | 5 24 | 3 11 |
| T 20 | 19 55 | 14 24 | 3 12 | 25 25 | 2 29 | 25 17 | 2 28 | 5 14 | 1 15 | 18 42 | 1 12 | 13 4 | 2 39 | 23 29 | 0 13 | 19 21 | 1 42 | 15 28 | 13 33 | 3 23 | 2 52 | 27 22 | 5 25 | 3 11 |
| W21 | 20 7 | 8 37 | 2 12 | 25 31 | 2 30 | 25 12 | 2 30 | 5 32 | 1 14 | 18 41 | 1 12 | 13 3 | 2 39 | 23 28 | 0 13 | 19 20 | 1 42 | 15 28 | 13 32 | 3 24 | 2 51 | 27 23 | 5 26 | 3 11 |
| T 22 | 20 19 | 2 37 | 1 7 | 25 35 | 2 30 | 25 7 | 2 31 | 5 50 | 1 14 | 18 39 | 1 12 | 13 1 | 2 39 | 23 28 | 0 13 | 19 20 | 1 42 | 15 27 | 13 32 | 3 24 | 2 49 | 27 24 | 5 27 | 3 11 |
| F 23 | 20 31 | 3s21 | 0 1 | 25 38 | 2 28 | 25 1 | 2 32 | 6 7 | 1 14 | 18 38 | 1 12 | 13 0 | 2 39 | 23 28 | 0 13 | 19 20 | 1 42 | 15 27 | 13 32 | 3 24 | 2 48 | 27 25 | 5 28 | 3 11 |
| S 24 | 20 42 | 9 5 | 1s 5 | 25 38 | 2 26 | 24 54 | 2 33 | 6 25 | 1 14 | 18 36 | 1 11 | 12 59 | 2 39 | 23 28 | 0 13 | 19 19 | 1 42 | 15 27 | 13 31 | 3 24 | 2 47 | 27 26 | 5 29 | 3 11 |
| S 25 | 20 53 | 14 25 | 2 7 | 25 37 | 2 23 | 24 47 | 2 34 | 6 42 | 1 14 | 18 34 | 1 11 | 12 58 | 2 39 | 23 28 | 0 13 | 19 19 | 1 42 | 15 27 | 13 31 | 3 23 | 2 46 | 27 27 | 5 30 | 3 11 |
| M26 | 21 3 | 19 8 | 3 2 | 25 35 | 2 19 | 24 39 | 2 35 | 6 59 | 1 13 | 18 33 | 1 11 | 12 57 | 2 39 | 23 28 | 0 13 | 19 19 | 1 42 | 15 27 | 13 31 | 3 21 | 2 44 | 27 28 | 5 31 | 3 11 |
| T 27 | 21 13 | 23 4 | 3 48 | 25 31 | 2 13 | 24 30 | 2 36 | 7 17 | 1 13 | 18 31 | 1 11 | 12 56 | 2 39 | 23 28 | 0 13 | 19 19 | 1 42 | 15 27 | 13 30 | 3 18 | 2 43 | 27 29 | 5 32 | 3 11 |
| W28 | 21 23 | 26 1 | 4 25 | 25 25 | 2 7 | 24 21 | 2 36 | 7 34 | 1 13 | 18 30 | 1 11 | 12 55 | 2 38 | 23 28 | 0 13 | 19 18 | 1 42 | 15 26 | 13 30 | 3 14 | 2 42 | 27 30 | 5 33 | 3 11 |
| T 29 | 21 33 | 27 48 | 4 50 | 25 18 | 2 0 | 24 11 | 2 37 | 7 51 | 1 13 | 18 28 | 1 11 | 12 54 | 2 38 | 23 28 | 0 13 | 19 18 | 1 42 | 15 26 | 13 30 | 3 9 | 2 41 | 27 31 | 5 34 | 3 11 |
| F 30 | 21 42 | 28 19 | 5 2 | 25 10 | 1 51 | 24 1 | 2 37 | 8 8 | 1 13 | 18 27 | 1 11 | 12 53 | 2 38 | 23 28 | 0 13 | 19 18 | 1 42 | 15 26 | 13 29 | 3 5 | 2 39 | 27 32 | 5 35 | 3 12 |
| S 31 | 21n50 | 27s31 | 5s 1 | 25n 1 | 1n42 | 23n50 | 2n37 | 8n25 | 1s12 | 18s25 | 1n11 | 12s52 | 2n38 | 23n27 | 0n13 | 19s17 | 1n42 | 15n26 | 13n29 | 3n 1 | 2n38 | 27s33 | 5n36 | 3n12 |

Julian Day Number = 2800471.5, Delta T = 50m08s
Ecliptic obliquity = 23°19'05, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°06'45, Lahiri = 37°13'46


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# ASTRODIENST EPHEMERIS for the year 2955
# geocentric

## JUNE 2955 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 38 14 | 10♊58'09 | 26♉26 | 29♊53 | 24♋46 | 25♈31 | 27°R40 | 11°R58 | 4♋31 | 4°R37 | 22°R15 | 7°R28 | 6♈37 | 17♐26 | 6♈46 | S 1 |
| M 2 | 16 42 11 | 11°56'01 | 8♒31 | 0♋11 | 25°51 | 26°17 | 27♏33 | 11♏55 | 4°34 | 4♐36 | 22♍15 | 7♈21 | 6°34 | 17°32 | 6°48 | M 2 |
| T 3 | 16 46 7 | 12°53'52 | 20°47 | 0°25 | 26°56 | 27° 3 | 27°26 | 11°51 | 4°37 | 4°34 | 22°D15 | 7°16 | 6°31 | 17°39 | 6°49 | T 3 |
| W 4 | 16 50 4 | 13°51'42 | 3♓16 | 0°34 | 28° 0 | 27°49 | 27°19 | 11°48 | 4°41 | 4°32 | 22°15 | 7°14 | 6°28 | 17°46 | 6°51 | W 4 |
| T 5 | 16 54 0 | 14°49'30 | 16° 2 | 0°R37 | 29° 5 | 28°34 | 27°12 | 11°44 | 4°44 | 4°31 | 22°15 | 7°D14 | 6°24 | 17°53 | 6°53 | T 5 |
| F 6 | 16 57 57 | 15°47'18 | 29°11 | 0°37 | 0♌ 8 | 29°20 | 27° 5 | 11°41 | 4°48 | 4°29 | 22°15 | 7°14 | 6°21 | 17°59 | 6°55 | F 6 |
| S 7 | 17 1 53 | 16°45'04 | 12♈46 | 0°31 | 1°12 | 0♉ 6 | 26°58 | 11°37 | 4°51 | 4°28 | 22°15 | 7°R14 | 6°18 | 18° 6 | 6°57 | S 7 |
| S 8 | 17 5 50 | 17°42'50 | 26°48 | 0°21 | 2°16 | 0°51 | 26°51 | 11°34 | 4°54 | 4°26 | 22°16 | 7°13 | 6°15 | 18°13 | 6°58 | S 8 |
| M 9 | 17 9 46 | 18°40'34 | 11♉18 | 0° 7 | 3°19 | 1°37 | 26°45 | 11°31 | 4°58 | 4°24 | 22°16 | 7° 9 | 6°12 | 18°19 | 7° 0 | M 9 |
| T 10 | 17 13 43 | 19°38'17 | 26°13 | 29♊49 | 4°22 | 2°22 | 26°38 | 11°28 | 5° 1 | 4°23 | 22°16 | 7° 3 | 6° 9 | 18°26 | 7° 2 | T 10 |
| W11 | 17 17 40 | 20°36'00 | 11♊24 | 29°28 | 5°24 | 3° 8 | 26°31 | 11°25 | 5° 5 | 4°21 | 22°16 | 6°54 | 6° 5 | 18°33 | 7° 3 | W11 |
| T 12 | 17 21 36 | 21°33'41 | 26°43 | 29° 3 | 6°27 | 3°53 | 26°25 | 11°22 | 5° 8 | 4°20 | 22°16 | 6°44 | 6° 2 | 18°40 | 7° 5 | T 12 |
| F 13 | 17 25 33 | 22°31'21 | 11♋58 | 28°35 | 7°29 | 4°39 | 26°19 | 11°19 | 5°12 | 4°18 | 22°17 | 6°34 | 5°59 | 18°46 | 7° 6 | F 13 |
| S 14 | 17 29 29 | 23°29'00 | 26°59 | 28° 6 | 8°30 | 5°24 | 26°13 | 11°16 | 5°15 | 4°17 | 22°17 | 6°24 | 5°56 | 18°53 | 7° 8 | S 14 |
| S 15 | 17 33 26 | 24°26'38 | 11♌35 | 27°34 | 9°32 | 6° 9 | 26° 7 | 11°13 | 5°19 | 4°15 | 22°17 | 6°17 | 5°53 | 19° 0 | 7° 9 | S 15 |
| M16 | 17 37 22 | 25°24'14 | 25°44 | 27° 1 | 10°33 | 6°55 | 26° 1 | 11°11 | 5°22 | 4°14 | 22°18 | 6°12 | 5°49 | 19° 6 | 7°10 | M16 |
| T 17 | 17 41 19 | 26°21'48 | 9♍23 | 26°28 | 11°34 | 7°40 | 25°55 | 11° 8 | 5°26 | 4°12 | 22°18 | 6° 9 | 5°46 | 19°13 | 7°12 | T 17 |
| W18 | 17 45 16 | 27°19'22 | 22°35 | 25°54 | 12°34 | 8°25 | 25°49 | 11° 6 | 5°29 | 4°11 | 22°19 | 6° 8 | 5°43 | 19°20 | 7°13 | W18 |
| T 19 | 17 49 12 | 28°16'54 | 5♎22 | 25°21 | 13°34 | 9°10 | 25°44 | 11° 3 | 5°33 | 4° 9 | 22°19 | 6° 8 | 5°40 | 19°27 | 7°14 | T 19 |
| F 20 | 17 53 9 | 29°14'24 | 17°49 | 24°49 | 14°34 | 9°55 | 25°38 | 11° 1 | 5°36 | 4° 8 | 22°20 | 6° 8 | 5°37 | 19°33 | 7°15 | F 20 |
| S 21 | 17 57 5 | 0♋11'54 | 0♏ 1 | 24°19 | 15°33 | 10°40 | 25°33 | 10°59 | 5°40 | 4° 6 | 22°20 | 6° 6 | 5°34 | 19°40 | 7°16 | S 21 |
| S 22 | 18 1 2 | 1° 9'22 | 12° 3 | 23°50 | 16°32 | 11°25 | 25°28 | 10°57 | 5°43 | 4° 5 | 22°21 | 6° 2 | 5°30 | 19°47 | 7°17 | S 22 |
| M23 | 18 4 58 | 2° 6'49 | 23°58 | 23°25 | 17°30 | 12°10 | 25°23 | 10°54 | 5°47 | 4° 4 | 22°21 | 5°55 | 5°27 | 19°53 | 7°18 | M23 |
| T 24 | 18 8 55 | 3° 4'16 | 5♐50 | 23° 2 | 18°28 | 12°55 | 25°18 | 10°53 | 5°51 | 4° 2 | 22°22 | 5°46 | 5°24 | 20° 0 | 7°19 | T 24 |
| W25 | 18 12 51 | 4° 1'41 | 17°42 | 22°43 | 19°26 | 13°40 | 25°14 | 10°51 | 5°54 | 4° 1 | 22°23 | 5°34 | 5°21 | 20° 7 | 7°20 | W25 |
| T 26 | 18 16 48 | 4°59'06 | 29°35 | 22°27 | 20°23 | 14°24 | 25° 9 | 10°49 | 5°58 | 4° 0 | 22°23 | 5°21 | 5°18 | 20°14 | 7°21 | T 26 |
| F 27 | 18 20 45 | 5°56'29 | 11♑31 | 22°15 | 21°20 | 15° 9 | 25° 5 | 10°47 | 6° 1 | 3°58 | 22°24 | 5° 7 | 5°15 | 20°20 | 7°21 | F 27 |
| S 28 | 18 24 41 | 6°53'52 | 23°31 | 22° 8 | 22°16 | 15°54 | 25° 1 | 10°46 | 6° 5 | 3°57 | 22°25 | 4°53 | 5°11 | 20°27 | 7°22 | S 28 |
| S 29 | 18 28 38 | 7°51'14 | 5♒36 | 22°D 5 | 23°11 | 16°38 | 24°57 | 10°44 | 6° 8 | 3°56 | 22°26 | 4°42 | 5° 8 | 20°34 | 7°23 | S 29 |
| M30 | 18 32 34 | 8♋48'36 | 17♒49 | 22♊ 6 | 24♌ 7 | 17♉23 | 24♏53 | 10♏43 | 6♋12 | 3♐54 | 22♍26 | 4♈33 | 5♈ 5 | 20♐40 | 7♈23 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21n58 | 25s27 | 4s47 | 24n51 | 1n31 | 23n39 | 2n38 | 8n42 | 1s12 | 18s24 | 1n11 | 12s51 | 2n38 | 23n27 | 0n13 | 19s17 | 1n42 | 15n25 | 13n29 | 2n57 | 2n37 | 27s34 | 5n36 | 3n12 |
| M 2 | 22 6 | 22 13 | 4 20 | 24 39 | 1 20 | 23 27 | 2 38 | 8 59 | 1 12 | 18 22 | 1 10 | 12 50 | 2 38 | 23 27 | 0 13 | 19 17 | 1 42 | 15 25 | 13 28 | 2 54 | 2 36 | 27 35 | 5 37 | 3 12 |
| T 3 | 22 14 | 17 59 | 3 41 | 24 27 | 1 8 | 23 15 | 2 38 | 9 15 | 1 12 | 18 21 | 1 10 | 12 49 | 2 37 | 23 27 | 0 13 | 19 17 | 1 42 | 15 25 | 13 28 | 2 52 | 2 34 | 27 36 | 5 38 | 3 12 |
| W 4 | 22 21 | 12 54 | 2 50 | 24 13 | 0 54 | 23 2 | 2 37 | 9 32 | 1 11 | 18 19 | 1 10 | 12 48 | 2 37 | 23 27 | 0 13 | 19 16 | 1 42 | 15 24 | 13 28 | 2 51 | 2 33 | 27 37 | 5 39 | 3 12 |
| T 5 | 22 28 | 7 10 | 1 50 | 23 59 | 0 40 | 22 48 | 2 37 | 9 48 | 1 11 | 18 18 | 1 10 | 12 47 | 2 37 | 23 27 | 0 13 | 19 16 | 1 42 | 15 24 | 13 27 | 2 51 | 2 32 | 27 38 | 5 40 | 3 12 |
| F 6 | 22 34 | 0 58 | 0 43 | 23 44 | 0 25 | 22 34 | 2 37 | 10 5 | 1 11 | 18 16 | 1 10 | 12 46 | 2 37 | 23 27 | 0 13 | 19 16 | 1 42 | 15 24 | 13 27 | 2 51 | 2 31 | 27 39 | 5 41 | 3 12 |
| S 7 | 22 40 | 5n28 | 0n29 | 23 29 | 0 10 | 22 20 | 2 36 | 10 21 | 1 10 | 18 15 | 1 10 | 12 45 | 2 37 | 23 27 | 0 13 | 19 15 | 1 42 | 15 23 | 13 27 | 2 51 | 2 29 | 27 39 | 5 41 | 3 12 |
| S 8 | 22 45 | 11 52 | 1 42 | 23 13 | 0s 7 | 22 5 | 2 35 | 10 37 | 1 10 | 18 14 | 1 10 | 12 45 | 2 37 | 23 27 | 0 13 | 19 15 | 1 42 | 15 23 | 13 26 | 2 51 | 2 28 | 27 40 | 5 42 | 3 12 |
| M 9 | 22 50 | 17 51 | 2 50 | 22 56 | 0 23 | 21 49 | 2 35 | 10 53 | 1 10 | 18 12 | 1 9 | 12 44 | 2 36 | 23 26 | 0 13 | 19 15 | 1 42 | 15 22 | 13 26 | 2 49 | 2 27 | 27 41 | 5 43 | 3 12 |
| T 10 | 22 55 | 22 55 | 3 49 | 22 39 | 0 41 | 21 33 | 2 34 | 11 9 | 1 9 | 18 11 | 1 9 | 12 43 | 2 36 | 23 26 | 0 13 | 19 15 | 1 42 | 15 22 | 13 25 | 2 47 | 2 26 | 27 42 | 5 44 | 3 13 |
| W11 | 22 59 | 26 32 | 4 32 | 22 21 | 0 58 | 21 17 | 2 32 | 11 25 | 1 9 | 18 10 | 1 9 | 12 42 | 2 36 | 23 26 | 0 13 | 19 14 | 1 42 | 15 22 | 13 25 | 2 44 | 2 24 | 27 43 | 5 44 | 3 13 |
| T 12 | 23 3 | 28 13 | 4 57 | 22 3 | 1 16 | 21 0 | 2 31 | 11 40 | 1 9 | 18 8 | 1 9 | 12 42 | 2 36 | 23 26 | 0 13 | 19 14 | 1 42 | 15 21 | 13 25 | 2 40 | 2 23 | 27 44 | 5 45 | 3 13 |
| F 13 | 23 6 | 27 45 | 5 0 | 21 45 | 1 33 | 20 43 | 2 30 | 11 56 | 1 8 | 18 7 | 1 9 | 12 41 | 2 36 | 23 26 | 0 13 | 19 14 | 1 42 | 15 21 | 13 24 | 2 36 | 2 22 | 27 45 | 5 46 | 3 13 |
| S 14 | 23 10 | 25 16 | 4 42 | 21 27 | 1 51 | 20 26 | 2 28 | 12 11 | 1 8 | 18 6 | 1 9 | 12 40 | 2 35 | 23 26 | 0 13 | 19 14 | 1 42 | 15 20 | 13 24 | 2 32 | 2 21 | 27 45 | 5 46 | 3 13 |
| S 15 | 23 12 | 21 10 | 4 6 | 21 10 | 2 8 | 20 8 | 2 27 | 12 26 | 1 8 | 18 5 | 1 8 | 12 40 | 2 35 | 23 26 | 0 13 | 19 13 | 1 42 | 15 20 | 13 24 | 2 29 | 2 19 | 27 46 | 5 47 | 3 13 |
| M16 | 23 14 | 15 57 | 3 16 | 20 52 | 2 25 | 19 50 | 2 25 | 12 42 | 1 7 | 18 3 | 1 8 | 12 39 | 2 35 | 23 26 | 0 13 | 19 13 | 1 42 | 15 19 | 13 23 | 2 27 | 2 18 | 27 47 | 5 48 | 3 13 |
| T 17 | 23 16 | 10 7 | 2 16 | 20 36 | 2 41 | 19 31 | 2 23 | 12 57 | 1 7 | 18 2 | 1 8 | 12 38 | 2 35 | 23 25 | 0 13 | 19 13 | 1 42 | 15 19 | 13 23 | 2 26 | 2 17 | 27 48 | 5 48 | 3 13 |
| W18 | 23 17 | 4 1 | 1 11 | 20 19 | 2 56 | 19 12 | 2 21 | 13 11 | 1 6 | 18 1 | 1 8 | 12 38 | 2 34 | 23 25 | 0 13 | 19 13 | 1 42 | 15 18 | 13 23 | 2 26 | 2 16 | 27 49 | 5 49 | 3 13 |
| T 19 | 23 18 | 2s 3 | 0 4 | 20 4 | 3 10 | 18 52 | 2 18 | 13 26 | 1 6 | 18 0 | 1 8 | 12 37 | 2 34 | 23 25 | 0 13 | 19 12 | 1 41 | 15 18 | 13 22 | 2 26 | 2 14 | 27 50 | 5 49 | 3 13 |
| F 20 | 23 19 | 7 54 | 1s 1 | 19 50 | 3 24 | 18 33 | 2 16 | 13 41 | 1 6 | 17 59 | 1 7 | 12 37 | 2 34 | 23 25 | 0 13 | 19 12 | 1 41 | 15 17 | 13 22 | 2 25 | 2 13 | 27 50 | 5 50 | 3 14 |
| S 21 | 23 19 | 13 20 | 2 3 | 19 36 | 3 36 | 18 13 | 2 13 | 13 55 | 1 5 | 17 58 | 1 7 | 12 36 | 2 34 | 23 25 | 0 13 | 19 12 | 1 41 | 15 17 | 13 22 | 2 25 | 2 12 | 27 51 | 5 50 | 3 14 |
| S 22 | 23 19 | 18 11 | 2 57 | 19 24 | 3 47 | 17 53 | 2 10 | 14 9 | 1 5 | 17 57 | 1 7 | 12 36 | 2 34 | 23 25 | 0 13 | 19 12 | 1 41 | 15 16 | 13 21 | 2 23 | 2 11 | 27 52 | 5 51 | 3 14 |
| M23 | 23 18 | 22 17 | 3 44 | 19 13 | 3 56 | 17 32 | 2 7 | 14 23 | 1 4 | 17 56 | 1 7 | 12 36 | 2 33 | 23 25 | 0 13 | 19 11 | 1 41 | 15 16 | 13 21 | 2 20 | 2 9 | 27 53 | 5 51 | 3 14 |
| T 24 | 23 17 | 25 26 | 4 20 | 19 4 | 4 5 | 17 11 | 2 4 | 14 37 | 1 4 | 17 55 | 1 6 | 12 35 | 2 33 | 23 24 | 0 13 | 19 11 | 1 41 | 15 15 | 13 21 | 2 17 | 2 8 | 27 53 | 5 52 | 3 14 |
| W25 | 23 15 | 27 29 | 4 45 | 18 56 | 4 12 | 16 50 | 2 1 | 14 51 | 1 3 | 17 54 | 1 6 | 12 35 | 2 33 | 23 24 | 0 13 | 19 11 | 1 41 | 15 15 | 13 20 | 2 12 | 2 7 | 27 54 | 5 52 | 3 14 |
| T 26 | 23 13 | 28 17 | 4 58 | 18 49 | 4 17 | 16 29 | 1 58 | 15 5 | 1 3 | 17 53 | 1 6 | 12 34 | 2 33 | 23 24 | 0 13 | 19 11 | 1 41 | 15 14 | 13 20 | 2 7 | 2 6 | 27 55 | 5 53 | 3 14 |
| F 27 | 23 11 | 27 46 | 4 57 | 18 44 | 4 22 | 16 7 | 1 54 | 15 18 | 1 2 | 17 52 | 1 6 | 12 34 | 2 32 | 23 24 | 0 13 | 19 11 | 1 41 | 15 14 | 13 20 | 2 1 | 2 4 | 27 56 | 5 53 | 3 14 |
| S 28 | 23 8 | 25 57 | 4 44 | 18 41 | 4 25 | 15 45 | 1 50 | 15 32 | 1 2 | 17 52 | 1 6 | 12 34 | 2 32 | 23 24 | 0 13 | 19 10 | 1 41 | 15 13 | 13 19 | 1 56 | 2 3 | 27 56 | 5 53 | 3 14 |
| S 29 | 23 5 | 22 56 | 4 18 | 18 39 | 4 26 | 15 23 | 1 46 | 15 45 | 1 1 | 17 51 | 1 5 | 12 34 | 2 32 | 23 24 | 0 13 | 19 10 | 1 41 | 15 12 | 13 19 | 1 51 | 2 2 | 27 57 | 5 54 | 3 15 |
| M30 | 23n 2 | 18s53 | 3s39 | 18n39 | 4s27 | 15n 1 | 1n42 | 15n58 | 1s 1 | 17s50 | 1n 5 | 12s34 | 2n32 | 23n23 | 0n13 | 19s10 | 1n41 | 15n12 | 13n19 | 1n48 | 2n 1 | 27s58 | 5n54 | 3n15 |

Julian Day Number = 2800502.5, Delta T = 50m09s
Ecliptic obliquity = 23°19'04, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°06'50, Lahiri = 37°13'50


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# ASTRODIENST EPHEMERIS for the year 2955
# geocentric

## JULY 2955 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 36 31 | 9♋45'57 | 0♓11 | 22♊12 | 25♌ 1 | 18♉ 7 | 24°R49 | 10°R41 | 6♋15 | 3°R53 | 22♍27 | 4°R27 | 5♈ 2 | 20♐47 | 7♈24 | T 1 |
| W 2 | 18 40 27 | 10°43'18 | 12°45 | 22°22 | 25°55 | 18°52 | 24♏45 | 10♏40 | 6°19 | 3♐52 | 22°28 | 4♈23 | 4°59 | 20°54 | 7°24 | W 2 |
| T 3 | 18 44 24 | 11°40'38 | 25°34 | 22°37 | 26°49 | 19°36 | 24°42 | 10°39 | 6°23 | 3°51 | 22°29 | 4°22 | 4°55 | 21° 1 | 7°25 | T 3 |
| F 4 | 18 48 20 | 12°37'58 | 8♈41 | 22°57 | 27°42 | 20°20 | 24°39 | 10°38 | 6°26 | 3°50 | 22°30 | 4°22 | 4°52 | 21° 7 | 7°25 | F 4 |
| S 5 | 18 52 17 | 13°35'18 | 22°10 | 23°21 | 28°34 | 21° 4 | 24°36 | 10°37 | 6°30 | 3°48 | 22°31 | 4°22 | 4°49 | 21°14 | 7°25 | S 5 |
| S 6 | 18 56 14 | 14°32'37 | 6♉ 4 | 23°50 | 29°26 | 21°48 | 24°33 | 10°36 | 6°33 | 3°47 | 22°32 | 4°20 | 4°46 | 21°21 | 7°26 | S 6 |
| M 7 | 19 0 10 | 15°29'56 | 20°22 | 24°23 | 0♍17 | 22°33 | 24°30 | 10°36 | 6°37 | 3°46 | 22°33 | 4°17 | 4°43 | 21°27 | 7°26 | M 7 |
| T 8 | 19 4 7 | 16°27'16 | 5♊ 4 | 25° 1 | 1° 7 | 23°17 | 24°28 | 10°35 | 6°40 | 3°45 | 22°34 | 4°11 | 4°40 | 21°34 | 7°26 | T 8 |
| W 9 | 19 8 3 | 17°24'35 | 20° 3 | 25°43 | 1°57 | 24° 1 | 24°25 | 10°35 | 6°44 | 3°44 | 22°35 | 4° 3 | 4°36 | 21°41 | 7°26 | W 9 |
| T 10 | 19 12 0 | 18°21'54 | 5♋13 | 26°30 | 2°46 | 24°45 | 24°23 | 10°34 | 6°47 | 3°43 | 22°36 | 3°53 | 4°33 | 21°48 | 7°R26 | T 10 |
| F 11 | 19 15 56 | 19°19'12 | 20°23 | 27°20 | 3°34 | 25°28 | 24°21 | 10°34 | 6°51 | 3°42 | 22°37 | 3°42 | 4°30 | 21°54 | 7°26 | F 11 |
| S 12 | 19 19 53 | 20°16'30 | 5♌22 | 28°15 | 4°21 | 26°12 | 24°19 | 10°34 | 6°54 | 3°41 | 22°38 | 3°33 | 4°27 | 22° 1 | 7°26 | S 12 |
| S 13 | 19 23 50 | 21°13'48 | 20° 1 | 29°14 | 5° 8 | 26°56 | 24°18 | 10°34 | 6°58 | 3°40 | 22°39 | 3°25 | 4°24 | 22° 8 | 7°26 | S 13 |
| M14 | 19 27 46 | 22°11'05 | 4♍14 | 0♋17 | 5°53 | 27°39 | 24°16 | 10°D34 | 7° 1 | 3°39 | 22°41 | 3°19 | 4°21 | 22°15 | 7°26 | M14 |
| T 15 | 19 31 43 | 23° 8'22 | 17°59 | 1°24 | 6°38 | 28°23 | 24°15 | 10°34 | 7° 5 | 3°38 | 22°42 | 3°17 | 4°17 | 22°21 | 7°26 | T 15 |
| W16 | 19 35 39 | 24° 5'38 | 1♎15 | 2°35 | 7°22 | 29° 6 | 24°14 | 10°34 | 7° 8 | 3°37 | 22°43 | 3°D16 | 4°14 | 22°28 | 7°25 | W16 |
| T 17 | 19 39 36 | 25° 2'54 | 14° 5 | 3°49 | 8° 5 | 29°50 | 24°13 | 10°34 | 7°12 | 3°36 | 22°44 | 3°16 | 4°11 | 22°35 | 7°25 | T 17 |
| F 18 | 19 43 32 | 26° 0'09 | 26°35 | 5° 8 | 8°47 | 0♊33 | 24°12 | 10°34 | 7°15 | 3°35 | 22°46 | 3°R16 | 4° 8 | 22°41 | 7°24 | F 18 |
| S 19 | 19 47 29 | 26°57'24 | 8♏47 | 6°30 | 9°28 | 1°16 | 24°12 | 10°35 | 7°18 | 3°34 | 22°47 | 3°15 | 4° 5 | 22°48 | 7°24 | S 19 |
| S 20 | 19 51 25 | 27°54'39 | 20°48 | 7°56 | 10° 8 | 2° 0 | 24°11 | 10°36 | 7°22 | 3°34 | 22°48 | 3°13 | 4° 1 | 22°55 | 7°24 | S 20 |
| M21 | 19 55 22 | 28°51'53 | 2♐42 | 9°26 | 10°47 | 2°43 | 24°11 | 10°36 | 7°25 | 3°33 | 22°50 | 3° 8 | 3°58 | 23° 2 | 7°23 | M21 |
| T 22 | 19 59 19 | 29°49'08 | 14°34 | 11° 0 | 11°25 | 3°26 | 24°D11 | 10°37 | 7°28 | 3°32 | 22°51 | 3° 1 | 3°55 | 23° 8 | 7°22 | T 22 |
| W23 | 20 3 15 | 0♑46'22 | 26°26 | 12°37 | 12° 1 | 4° 9 | 24°11 | 10°38 | 7°32 | 3°31 | 22°52 | 2°52 | 3°52 | 23°15 | 7°22 | W23 |
| T 24 | 20 7 12 | 1°43'36 | 8♒22 | 14°17 | 12°37 | 4°51 | 24°12 | 10°39 | 7°35 | 3°31 | 22°54 | 2°41 | 3°49 | 23°22 | 7°21 | T 24 |
| F 25 | 20 11 8 | 2°40'50 | 20°23 | 16° 1 | 13°11 | 5°34 | 24°12 | 10°40 | 7°38 | 3°30 | 22°55 | 2°30 | 3°46 | 23°28 | 7°20 | F 25 |
| S 26 | 20 15 5 | 3°38'03 | 2♓32 | 17°48 | 13°43 | 6°17 | 24°13 | 10°41 | 7°42 | 3°30 | 22°57 | 2°19 | 3°42 | 23°35 | 7°19 | S 26 |
| S 27 | 20 19 1 | 4°35'18 | 14°48 | 19°39 | 14°14 | 7° 0 | 24°14 | 10°42 | 7°45 | 3°29 | 22°58 | 2°10 | 3°39 | 23°42 | 7°19 | S 27 |
| M28 | 20 22 58 | 5°32'32 | 27°14 | 21°32 | 14°44 | 7°42 | 24°15 | 10°44 | 7°48 | 3°28 | 23° 0 | 2° 3 | 3°36 | 23°49 | 7°18 | M28 |
| T 29 | 20 26 54 | 6°29'46 | 9♓50 | 23°28 | 15°13 | 8°25 | 24°16 | 10°45 | 7°52 | 3°28 | 23° 1 | 1°58 | 3°33 | 23°55 | 7°17 | T 29 |
| W30 | 20 30 51 | 7°27'01 | 22°37 | 25°26 | 15°39 | 9° 7 | 24°18 | 10°47 | 7°55 | 3°27 | 23° 3 | 1°56 | 3°30 | 24° 2 | 7°16 | W30 |
| T 31 | 20 34 48 | 8♌24'16 | 5♈37 | 27♋27 | 16♍ 4 | 9♊49 | 24♏19 | 10♏48 | 7♋58 | 3♐27 | 23♍ 4 | 1°D56 | 3♈27 | 24♐ 9 | 7♈15 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n58 | 14s 0 | 2s50 | 18n40 | 4s26 | 14n39 | 1n38 | 16n10 | 1s 0 | 17s50 | 1n 5 | 12s33 | 2n31 | 23n23 | 0n13 | 19s10 | 1n41 | 15n11 | 13n18 | 1n45 | 1n59 | 27s59 | 5n54 | 3n15 |
| W 2 | 22 53 | 8 28 | 1 52 | 18 42 | 4 24 | 14 16 | 1 33 | 16 23 | 1 0 | 17 49 | 1 5 | 12 33 | 2 31 | 23 23 | 0 13 | 19 10 | 1 41 | 15 11 | 13 18 | 1 44 | 1 58 | 27 59 | 5 55 | 3 15 |
| T 3 | 22 48 | 2 28 | 0 46 | 18 46 | 4 21 | 13 54 | 1 28 | 16 36 | 0 59 | 17 48 | 1 4 | 12 33 | 2 31 | 23 23 | 0 13 | 19 9 | 1 41 | 15 10 | 13 18 | 1 44 | 1 57 | 28 0 | 5 55 | 3 15 |
| F 4 | 22 43 | 3n47 | 0n23 | 18 51 | 4 17 | 13 31 | 1 23 | 16 48 | 0 59 | 17 48 | 1 4 | 12 33 | 2 31 | 23 23 | 0 13 | 19 9 | 1 41 | 15 9 | 13 17 | 1 43 | 1 56 | 28 1 | 5 55 | 3 15 |
| S 5 | 22 38 | 10 2 | 1 33 | 18 57 | 4 12 | 13 8 | 1 18 | 17 0 | 0 58 | 17 47 | 1 4 | 12 33 | 2 30 | 23 23 | 0 13 | 19 9 | 1 41 | 15 9 | 13 17 | 1 43 | 1 54 | 28 1 | 5 55 | 3 15 |
| S 6 | 22 32 | 15 59 | 2 39 | 19 5 | 4 6 | 12 45 | 1 13 | 17 12 | 0 58 | 17 47 | 1 4 | 12 33 | 2 30 | 23 22 | 0 13 | 19 9 | 1 41 | 15 8 | 13 17 | 1 43 | 1 53 | 28 2 | 5 56 | 3 15 |
| M 7 | 22 25 | 21 15 | 3 38 | 19 13 | 3 59 | 12 22 | 1 7 | 17 24 | 0 57 | 17 46 | 1 4 | 12 33 | 2 30 | 23 22 | 0 13 | 19 9 | 1 41 | 15 7 | 13 17 | 1 42 | 1 52 | 28 3 | 5 56 | 3 15 |
| T 8 | 22 19 | 25 21 | 4 23 | 19 22 | 3 52 | 11 59 | 1 2 | 17 35 | 0 56 | 17 46 | 1 3 | 12 33 | 2 30 | 23 22 | 0 13 | 19 9 | 1 41 | 15 7 | 13 16 | 1 39 | 1 51 | 28 3 | 5 56 | 3 16 |
| W 9 | 22 11 | 27 48 | 4 52 | 19 31 | 3 44 | 11 36 | 0 56 | 17 47 | 0 56 | 17 46 | 1 3 | 12 33 | 2 29 | 23 22 | 0 13 | 19 8 | 1 41 | 15 6 | 13 16 | 1 36 | 1 49 | 28 4 | 5 56 | 3 16 |
| T 10 | 22 4 | 28 14 | 5 1 | 19 42 | 3 35 | 11 13 | 0 50 | 17 58 | 0 55 | 17 45 | 1 3 | 12 33 | 2 29 | 23 22 | 0 13 | 19 8 | 1 41 | 15 5 | 13 16 | 1 32 | 1 48 | 28 4 | 5 56 | 3 16 |
| F 11 | 21 56 | 26 32 | 4 49 | 19 52 | 3 25 | 10 49 | 0 43 | 18 9 | 0 55 | 17 45 | 1 3 | 12 34 | 2 29 | 23 22 | 0 13 | 19 8 | 1 41 | 15 4 | 13 15 | 1 28 | 1 47 | 28 5 | 5 56 | 3 16 |
| S 12 | 21 48 | 22 59 | 4 16 | 20 3 | 3 15 | 10 26 | 0 37 | 18 20 | 0 54 | 17 45 | 1 2 | 12 34 | 2 29 | 23 21 | 0 13 | 19 8 | 1 41 | 15 4 | 13 15 | 1 24 | 1 46 | 28 6 | 5 56 | 3 16 |
| S 13 | 21 39 | 18 1 | 3 28 | 20 15 | 3 4 | 10 3 | 0 30 | 18 30 | 0 53 | 17 45 | 1 2 | 12 34 | 2 28 | 23 21 | 0 13 | 19 8 | 1 41 | 15 3 | 13 15 | 1 21 | 1 44 | 28 6 | 5 56 | 3 16 |
| M14 | 21 30 | 12 12 | 2 27 | 20 26 | 2 53 | 9 40 | 0 23 | 18 41 | 0 53 | 17 45 | 1 2 | 12 34 | 2 28 | 23 21 | 0 13 | 19 8 | 1 41 | 15 2 | 13 14 | 1 19 | 1 43 | 28 7 | 5 56 | 3 16 |
| T 15 | 21 21 | 5 58 | 1 20 | 20 37 | 2 42 | 9 16 | 0 16 | 18 51 | 0 52 | 17 45 | 1 2 | 12 34 | 2 28 | 23 21 | 0 13 | 19 8 | 1 41 | 15 2 | 13 14 | 1 18 | 1 42 | 28 7 | 5 56 | 3 16 |
| W16 | 21 11 | 0s20 | 0 11 | 20 48 | 2 30 | 8 53 | 0 8 | 19 1 | 0 51 | 17 45 | 1 1 | 12 35 | 2 27 | 23 21 | 0 13 | 19 7 | 1 41 | 15 1 | 13 14 | 1 17 | 1 41 | 28 8 | 5 56 | 3 16 |
| T 17 | 21 1 | 6 25 | 0s57 | 20 58 | 2 18 | 8 30 | 0 1 | 19 11 | 0 51 | 17 45 | 1 1 | 12 35 | 2 27 | 23 21 | 0 13 | 19 7 | 1 40 | 15 0 | 13 14 | 1 17 | 1 39 | 28 9 | 5 56 | 3 17 |
| F 18 | 20 50 | 12 5 | 2 1 | 21 8 | 2 5 | 8 7 | 0s 7 | 19 21 | 0 50 | 17 45 | 1 1 | 12 35 | 2 27 | 23 20 | 0 13 | 19 7 | 1 40 | 14 59 | 13 13 | 1 18 | 1 38 | 28 9 | 5 56 | 3 17 |
| S 19 | 20 40 | 17 9 | 2 57 | 21 17 | 1 53 | 7 45 | 0 15 | 19 30 | 0 49 | 17 45 | 1 1 | 12 36 | 2 27 | 23 20 | 0 13 | 19 7 | 1 40 | 14 59 | 13 13 | 1 17 | 1 37 | 28 10 | 5 56 | 3 17 |
| S 20 | 20 28 | 21 28 | 3 45 | 21 25 | 1 40 | 7 22 | 0 24 | 19 40 | 0 49 | 17 45 | 1 0 | 12 36 | 2 26 | 23 20 | 0 13 | 19 7 | 1 40 | 14 58 | 13 13 | 1 16 | 1 36 | 28 10 | 5 56 | 3 17 |
| M21 | 20 17 | 24 52 | 4 22 | 21 32 | 1 27 | 6 59 | 0 32 | 19 49 | 0 48 | 17 45 | 1 0 | 12 37 | 2 26 | 23 20 | 0 13 | 19 7 | 1 40 | 14 57 | 13 13 | 1 14 | 1 34 | 28 11 | 5 56 | 3 17 |
| T 22 | 20 5 | 27 12 | 4 48 | 21 38 | 1 14 | 6 37 | 0 41 | 19 58 | 0 47 | 17 45 | 1 0 | 12 37 | 2 26 | 23 20 | 0 13 | 19 7 | 1 40 | 14 56 | 13 12 | 1 12 | 1 33 | 28 11 | 5 56 | 3 17 |
| W23 | 19 53 | 28 17 | 5 1 | 21 43 | 1 1 | 6 15 | 0 50 | 20 6 | 0 47 | 17 46 | 1 0 | 12 38 | 2 26 | 23 20 | 0 13 | 19 7 | 1 40 | 14 55 | 13 12 | 1 8 | 1 32 | 28 12 | 5 56 | 3 17 |
| T 24 | 19 40 | 28 4 | 5 2 | 21 45 | 0 48 | 5 53 | 0 59 | 20 15 | 0 46 | 17 46 | 0 59 | 12 38 | 2 25 | 23 19 | 0 13 | 19 7 | 1 40 | 14 55 | 13 12 | 1 4 | 1 31 | 28 12 | 5 55 | 3 17 |
| F 25 | 19 28 | 26 32 | 4 49 | 21 46 | 0 36 | 5 31 | 1 9 | 20 23 | 0 45 | 17 46 | 0 59 | 12 39 | 2 25 | 23 19 | 0 13 | 19 7 | 1 40 | 14 54 | 13 12 | 0 59 | 1 29 | 28 13 | 5 55 | 3 17 |
| S 26 | 19 15 | 23 45 | 4 23 | 21 46 | 0 23 | 5 10 | 1 19 | 20 31 | 0 44 | 17 47 | 0 59 | 12 40 | 2 25 | 23 19 | 0 13 | 19 6 | 1 40 | 14 53 | 13 11 | 0 55 | 1 28 | 28 13 | 5 55 | 3 17 |
| S 27 | 19 1 | 19 53 | 3 44 | 21 43 | 0 11 | 4 49 | 1 29 | 20 39 | 0 44 | 17 47 | 0 59 | 12 40 | 2 25 | 23 19 | 0 13 | 19 6 | 1 40 | 14 52 | 13 11 | 0 51 | 1 27 | 28 14 | 5 55 | 3 18 |
| M28 | 18 47 | 15 6 | 2 54 | 21 38 | 0n 1 | 4 28 | 1 39 | 20 47 | 0 43 | 17 48 | 0 58 | 12 41 | 2 24 | 23 19 | 0 13 | 19 6 | 1 40 | 14 51 | 13 11 | 0 49 | 1 25 | 28 14 | 5 55 | 3 18 |
| T 29 | 18 33 | 9 38 | 1 56 | 21 30 | 0 13 | 4 7 | 1 49 | 20 54 | 0 42 | 17 48 | 0 58 | 12 42 | 2 24 | 23 19 | 0 13 | 19 6 | 1 40 | 14 51 | 13 11 | 0 47 | 1 24 | 28 15 | 5 54 | 3 18 |
| W30 | 18 19 | 3 41 | 0 50 | 21 20 | 0 24 | 3 47 | 2 0 | 21 1 | 0 41 | 17 49 | 0 58 | 12 42 | 2 24 | 23 18 | 0 13 | 19 6 | 1 40 | 14 50 | 13 10 | 0 46 | 1 23 | 28 15 | 5 54 | 3 18 |
| T 31 | 18n 4 | 2n31 | 0n20 | 21n 8 | 0n34 | 3n27 | 2s11 | 21n 9 | 0s41 | 17s49 | 0n58 | 12s43 | 2n23 | 23n18 | 0n13 | 19s 6 | 1n40 | 14n49 | 13n10 | 0n46 | 1n22 | 28s16 | 5n54 | 3n18 |

Julian Day Number = 2800532.5, Delta T = 50m09s
Ecliptic obliquity = 23°19'04, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°06'54, Lahiri = 37°13'54


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# ASTRODIENST EPHEMERIS for the year 2955
# geocentric

## AUGUST 2955 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 20 38 44 | 9♌21'32 | 18♈52 | 29♋29 | 16♍28 | 10♊32 | 24♏21 | 10♏50 | 8♋ 1 | 3°R26 | 23♍ 6 | 1♈56 | 3♈23 | 24♐16 | 7°R14 | F 1 |
| S 2 | 20 42 41 | 10°18'49 | 2♉23 | 1♌33 | 16°50 | 11°14 | 24°23 | 10°52 | 8° 4 | 3♐26 | 23° 7 | 1°57 | 3°20 | 24°22 | 7♈12 | S 2 |
| S 3 | 20 46 37 | 11°16'06 | 16°13 | 3°39 | 17°10 | 11°56 | 24°25 | 10°54 | 8° 7 | 3°26 | 23° 9 | 1°R57 | 3°17 | 24°29 | 7°11 | S 3 |
| M 4 | 20 50 34 | 12°13'24 | 0♊21 | 5°46 | 17°28 | 12°38 | 24°27 | 10°56 | 8°10 | 3°25 | 23°11 | 1°56 | 3°14 | 24°36 | 7°10 | M 4 |
| T 5 | 20 54 30 | 13°10'42 | 14°47 | 7°53 | 17°44 | 13°20 | 24°30 | 10°58 | 8°14 | 3°25 | 23°12 | 1°53 | 3°11 | 24°42 | 7° 9 | T 5 |
| W 6 | 20 58 27 | 14° 8'02 | 29°27 | 10° 1 | 17°59 | 14° 1 | 24°32 | 11° 0 | 8°17 | 3°25 | 23°14 | 1°48 | 3° 7 | 24°49 | 7° 7 | W 6 |
| T 7 | 21 2 23 | 15° 5'22 | 14♋16 | 12° 9 | 18°11 | 14°43 | 24°35 | 11° 3 | 8°20 | 3°24 | 23°16 | 1°41 | 3° 4 | 24°56 | 7° 6 | T 7 |
| F 8 | 21 6 20 | 16° 2'43 | 29° 6 | 14°17 | 18°21 | 15°25 | 24°38 | 11° 5 | 8°23 | 3°24 | 23°17 | 1°34 | 3° 1 | 25° 3 | 7° 4 | F 8 |
| S 9 | 21 10 17 | 17° 0'04 | 13♌49 | 16°24 | 18°30 | 16° 6 | 24°41 | 11° 8 | 8°26 | 3°24 | 23°19 | 1°28 | 2°58 | 25° 9 | 7° 3 | S 9 |
| S 10 | 21 14 13 | 17°57'26 | 28°16 | 18°31 | 18°36 | 16°48 | 24°45 | 11°10 | 8°29 | 3°24 | 23°21 | 1°22 | 2°55 | 25°16 | 7° 1 | S 10 |
| M11 | 21 18 10 | 18°54'49 | 12♍23 | 20°37 | 18°40 | 17°29 | 24°48 | 11°13 | 8°31 | 3°24 | 23°23 | 1°19 | 2°52 | 25°23 | 7° 0 | M11 |
| T 12 | 21 22 6 | 19°52'11 | 26° 6 | 22°41 | 18°R41 | 18°10 | 24°52 | 11°16 | 8°34 | 3°23 | 23°25 | 1°D18 | 2°48 | 25°29 | 6°58 | T 12 |
| W13 | 21 26 3 | 20°49'35 | 9♎23 | 24°45 | 18°41 | 18°51 | 24°56 | 11°19 | 8°37 | 3°23 | 23°26 | 1°18 | 2°45 | 25°36 | 6°56 | W13 |
| T 14 | 21 29 59 | 21°46'59 | 22°16 | 26°48 | 18°37 | 19°32 | 25° 0 | 11°22 | 8°40 | 3°23 | 23°28 | 1°19 | 2°42 | 25°43 | 6°55 | T 14 |
| F 15 | 21 33 56 | 22°44'23 | 4♏48 | 28°49 | 18°32 | 20°13 | 25° 4 | 11°25 | 8°43 | 3°D23 | 23°30 | 1°20 | 2°39 | 25°50 | 6°53 | F 15 |
| S 16 | 21 37 52 | 23°41'48 | 17° 3 | 0♍49 | 18°24 | 20°54 | 25° 8 | 11°28 | 8°46 | 3°23 | 23°32 | 1°22 | 2°36 | 25°56 | 6°51 | S 16 |
| S 17 | 21 41 49 | 24°39'13 | 29° 6 | 2°47 | 18°14 | 21°35 | 25°13 | 11°31 | 8°48 | 3°23 | 23°34 | 1°R22 | 2°33 | 26° 3 | 6°49 | S 17 |
| M18 | 21 45 46 | 25°36'39 | 11♐ 1 | 4°43 | 18° 1 | 22°16 | 25°17 | 11°34 | 8°51 | 3°24 | 23°36 | 1°20 | 2°29 | 26°10 | 6°47 | M18 |
| T 19 | 21 49 42 | 26°34'06 | 22°54 | 6°39 | 17°46 | 22°56 | 25°22 | 11°38 | 8°54 | 3°24 | 23°37 | 1°18 | 2°26 | 26°17 | 6°45 | T 19 |
| W20 | 21 53 39 | 27°31'33 | 4♑48 | 8°32 | 17°29 | 23°37 | 25°27 | 11°41 | 8°56 | 3°24 | 23°39 | 1°13 | 2°23 | 26°23 | 6°44 | W20 |
| T 21 | 21 57 35 | 28°29'01 | 16°47 | 10°24 | 17° 9 | 24°17 | 25°32 | 11°45 | 8°59 | 3°24 | 23°41 | 1° 8 | 2°20 | 26°30 | 6°42 | T 21 |
| F 22 | 22 1 32 | 29°26'30 | 28°55 | 12°15 | 16°47 | 24°57 | 25°38 | 11°48 | 9° 1 | 3°24 | 23°43 | 1° 3 | 2°17 | 26°37 | 6°39 | F 22 |
| S 23 | 22 5 28 | 0♍23'59 | 11♒12 | 14° 3 | 16°23 | 25°37 | 25°43 | 11°52 | 9° 4 | 3°24 | 23°45 | 0°58 | 2°13 | 26°43 | 6°37 | S 23 |
| S 24 | 22 9 25 | 1°21'29 | 23°42 | 15°51 | 15°57 | 26°17 | 25°48 | 11°56 | 9° 6 | 3°25 | 23°47 | 0°53 | 2°10 | 26°50 | 6°35 | S 24 |
| M25 | 22 13 21 | 2°19'01 | 6♓24 | 17°36 | 15°29 | 26°57 | 25°54 | 12° 0 | 9° 9 | 3°25 | 23°49 | 0°50 | 2° 7 | 26°57 | 6°33 | M25 |
| T 26 | 22 17 18 | 3°16'33 | 19°18 | 19°21 | 14°59 | 27°37 | 26° 0 | 12° 4 | 9°11 | 3°25 | 23°51 | 0°48 | 2° 4 | 27° 4 | 6°31 | T 26 |
| W27 | 22 21 15 | 4°14'06 | 2♈26 | 21° 3 | 14°28 | 28°16 | 26° 6 | 12° 8 | 9°14 | 3°26 | 23°53 | 0°D48 | 2° 1 | 27°10 | 6°29 | W27 |
| T 28 | 22 25 11 | 5°11'41 | 15°46 | 22°44 | 13°55 | 28°56 | 26°12 | 12°12 | 9°16 | 3°26 | 23°55 | 0°48 | 1°58 | 27°17 | 6°26 | T 28 |
| F 29 | 22 29 8 | 6° 9'17 | 29°19 | 24°24 | 13°20 | 29°35 | 26°18 | 12°16 | 9°18 | 3°27 | 23°57 | 0°50 | 1°54 | 27°24 | 6°24 | F 29 |
| S 30 | 22 33 4 | 7° 6'54 | 13♉ 3 | 26° 2 | 12°45 | 0♋15 | 26°25 | 12°20 | 9°21 | 3°27 | 23°59 | 0°51 | 1°51 | 27°30 | 6°22 | S 30 |
| S 31 | 22 37 1 | 8♍ 4'33 | 26♉59 | 27♍38 | 12♍ 9 | 0♋54 | 26♏31 | 12♏25 | 9♋23 | 3♐28 | 24♍ 1 | 0♈52 | 1♈48 | 27♐37 | 6♈20 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17n49 | 8n44 | 1n30 | 20n53 | 0n44 | 3n 8 | 2s22 | 21n15 | 0s40 | 17s50 | 0n57 | 12s44 | 2n23 | 23n18 | 0n13 | 19s 6 | 1n40 | 14n48 | 13n10 | 0n46 | 1n20 | 28s16 | 5n53 | 3n18 |
| S 2 | 17 34 | 14 41 | 2 36 | 20 35 | 0 54 | 2 49 | 2 33 | 21 22 | 0 39 | 17 51 | 0 57 | 12 45 | 2 23 | 23 18 | 0 13 | 19 6 | 1 40 | 14 47 | 13 10 | 0 46 | 1 19 | 28 17 | 5 53 | 3 18 |
| S 3 | 17 19 | 20 2 | 3 35 | 20 15 | 1 2 | 2 31 | 2 45 | 21 29 | 0 38 | 17 52 | 0 57 | 12 46 | 2 23 | 23 18 | 0 13 | 19 6 | 1 40 | 14 47 | 13 10 | 0 47 | 1 18 | 28 17 | 5 52 | 3 18 |
| M 4 | 17 3 | 24 24 | 4 22 | 19 52 | 1 10 | 2 13 | 2 57 | 21 35 | 0 37 | 17 52 | 0 57 | 12 46 | 2 22 | 23 17 | 0 13 | 19 6 | 1 40 | 14 46 | 13 9 | 0 46 | 1 17 | 28 17 | 5 52 | 3 18 |
| T 5 | 16 47 | 27 19 | 4 54 | 19 27 | 1 17 | 1 55 | 3 9 | 21 41 | 0 36 | 17 53 | 0 56 | 12 47 | 2 22 | 23 17 | 0 14 | 19 6 | 1 39 | 14 45 | 13 9 | 0 45 | 1 15 | 28 18 | 5 52 | 3 18 |
| W 6 | 16 30 | 28 26 | 5 7 | 18 59 | 1 24 | 1 39 | 3 21 | 21 47 | 0 36 | 17 54 | 0 56 | 12 48 | 2 22 | 23 17 | 0 14 | 19 6 | 1 39 | 14 44 | 13 9 | 0 43 | 1 14 | 28 18 | 5 51 | 3 18 |
| T 7 | 16 14 | 27 32 | 5 0 | 18 30 | 1 29 | 1 22 | 3 33 | 21 52 | 0 35 | 17 55 | 0 56 | 12 49 | 2 22 | 23 17 | 0 14 | 19 6 | 1 39 | 14 43 | 13 9 | 0 40 | 1 13 | 28 19 | 5 51 | 3 18 |
| F 8 | 15 57 | 24 41 | 4 33 | 17 58 | 1 34 | 1 7 | 3 46 | 21 58 | 0 34 | 17 56 | 0 56 | 12 50 | 2 21 | 23 17 | 0 14 | 19 6 | 1 39 | 14 42 | 13 9 | 0 37 | 1 12 | 28 19 | 5 50 | 3 19 |
| S 9 | 15 40 | 20 14 | 3 48 | 17 24 | 1 38 | 0 52 | 3 58 | 22 3 | 0 33 | 17 57 | 0 55 | 12 51 | 2 21 | 23 17 | 0 14 | 19 6 | 1 39 | 14 41 | 13 8 | 0 35 | 1 10 | 28 19 | 5 50 | 3 19 |
| S 10 | 15 22 | 14 39 | 2 49 | 16 48 | 1 41 | 0 38 | 4 11 | 22 8 | 0 32 | 17 58 | 0 55 | 12 52 | 2 21 | 23 16 | 0 14 | 19 6 | 1 39 | 14 41 | 13 8 | 0 33 | 1 9 | 28 20 | 5 49 | 3 19 |
| M11 | 15 5 | 8 26 | 1 41 | 16 11 | 1 43 | 0 24 | 4 24 | 22 13 | 0 31 | 17 59 | 0 55 | 12 53 | 2 21 | 23 16 | 0 14 | 19 6 | 1 39 | 14 40 | 13 8 | 0 31 | 1 8 | 28 20 | 5 48 | 3 19 |
| T 12 | 14 47 | 1 59 | 0 28 | 15 32 | 1 45 | 0 12 | 4 37 | 22 17 | 0 31 | 18 0 | 0 55 | 12 54 | 2 20 | 23 16 | 0 14 | 19 6 | 1 39 | 14 39 | 13 8 | 0 31 | 1 7 | 28 21 | 5 48 | 3 19 |
| W13 | 14 29 | 4s22 | 0s44 | 14 52 | 1 46 | 0 0 | 4 50 | 22 22 | 0 30 | 18 1 | 0 54 | 12 55 | 2 20 | 23 16 | 0 14 | 19 6 | 1 39 | 14 38 | 13 8 | 0 31 | 1 5 | 28 21 | 5 47 | 3 19 |
| T 14 | 14 10 | 10 21 | 1 51 | 14 11 | 1 46 | 0s11 | 5 3 | 22 26 | 0 29 | 18 3 | 0 54 | 12 57 | 2 20 | 23 16 | 0 14 | 19 6 | 1 39 | 14 37 | 13 8 | 0 31 | 1 4 | 28 21 | 5 47 | 3 19 |
| F 15 | 13 52 | 15 45 | 2 52 | 13 28 | 1 45 | 0 21 | 5 16 | 22 30 | 0 28 | 18 4 | 0 54 | 12 58 | 2 20 | 23 16 | 0 14 | 19 6 | 1 39 | 14 36 | 13 8 | 0 32 | 1 3 | 28 22 | 5 46 | 3 19 |
| S 16 | 13 33 | 20 24 | 3 43 | 12 45 | 1 44 | 0 30 | 5 29 | 22 34 | 0 27 | 18 5 | 0 54 | 12 59 | 2 19 | 23 15 | 0 14 | 19 6 | 1 39 | 14 36 | 13 7 | 0 32 | 1 2 | 28 22 | 5 45 | 3 19 |
| S 17 | 13 14 | 24 8 | 4 23 | 12 1 | 1 42 | 0 38 | 5 42 | 22 37 | 0 26 | 18 6 | 0 54 | 13 0 | 2 19 | 23 15 | 0 14 | 19 7 | 1 39 | 14 35 | 13 7 | 0 32 | 1 0 | 28 22 | 5 45 | 3 19 |
| M18 | 12 55 | 26 48 | 4 52 | 11 17 | 1 40 | 0 45 | 5 55 | 22 41 | 0 25 | 18 8 | 0 53 | 13 1 | 2 19 | 23 15 | 0 14 | 19 7 | 1 39 | 14 34 | 13 7 | 0 32 | 0 59 | 28 22 | 5 44 | 3 19 |
| T 19 | 12 36 | 28 15 | 5 8 | 10 32 | 1 37 | 0 50 | 6 8 | 22 44 | 0 24 | 18 9 | 0 53 | 13 3 | 2 19 | 23 15 | 0 14 | 19 7 | 1 39 | 14 33 | 13 7 | 0 31 | 0 58 | 28 23 | 5 43 | 3 19 |
| W20 | 12 16 | 28 24 | 5 10 | 9 46 | 1 33 | 0 55 | 6 20 | 22 47 | 0 23 | 18 10 | 0 53 | 13 4 | 2 18 | 23 15 | 0 14 | 19 7 | 1 39 | 14 32 | 13 7 | 0 29 | 0 57 | 28 23 | 5 43 | 3 19 |
| T 21 | 11 57 | 27 13 | 5 0 | 9 1 | 1 29 | 0 59 | 6 32 | 22 49 | 0 22 | 18 12 | 0 53 | 13 5 | 2 18 | 23 15 | 0 14 | 19 7 | 1 39 | 14 31 | 13 7 | 0 27 | 0 55 | 28 23 | 5 42 | 3 19 |
| F 22 | 11 37 | 24 46 | 4 35 | 8 15 | 1 25 | 1 1 | 6 44 | 22 52 | 0 21 | 18 13 | 0 52 | 13 7 | 2 18 | 23 15 | 0 14 | 19 7 | 1 39 | 14 30 | 13 7 | 0 25 | 0 54 | 28 24 | 5 41 | 3 19 |
| S 23 | 11 17 | 21 8 | 3 58 | 7 28 | 1 20 | 1 3 | 6 56 | 22 54 | 0 20 | 18 15 | 0 52 | 13 8 | 2 18 | 23 14 | 0 14 | 19 7 | 1 38 | 14 30 | 13 7 | 0 23 | 0 53 | 28 24 | 5 40 | 3 19 |
| S 24 | 10 56 | 16 32 | 3 9 | 6 42 | 1 15 | 1 3 | 7 7 | 22 57 | 0 19 | 18 16 | 0 52 | 13 9 | 2 17 | 23 14 | 0 14 | 19 7 | 1 38 | 14 29 | 13 7 | 0 21 | 0 52 | 28 24 | 5 39 | 3 19 |
| M25 | 10 36 | 11 8 | 2 10 | 5 56 | 1 9 | 1 2 | 7 17 | 22 59 | 0 18 | 18 18 | 0 52 | 13 11 | 2 17 | 23 14 | 0 14 | 19 7 | 1 38 | 14 28 | 13 6 | 0 20 | 0 50 | 28 24 | 5 39 | 3 20 |
| T 26 | 10 15 | 5 10 | 1 3 | 5 10 | 1 3 | 1 0 | 7 27 | 23 0 | 0 17 | 18 19 | 0 51 | 13 12 | 2 17 | 23 14 | 0 14 | 19 7 | 1 38 | 14 27 | 13 6 | 0 19 | 0 49 | 28 25 | 5 38 | 3 20 |
| W27 | 9 54 | 1n 6 | 0n 9 | 4 24 | 0 57 | 0 57 | 7 36 | 23 2 | 0 16 | 18 21 | 0 51 | 13 14 | 2 17 | 23 14 | 0 14 | 19 8 | 1 38 | 14 26 | 13 6 | 0 19 | 0 48 | 28 25 | 5 37 | 3 20 |
| T 28 | 9 34 | 7 26 | 1 21 | 3 38 | 0 50 | 0 52 | 7 45 | 23 3 | 0 15 | 18 23 | 0 51 | 13 15 | 2 17 | 23 14 | 0 14 | 19 8 | 1 38 | 14 25 | 13 6 | 0 19 | 0 47 | 28 25 | 5 36 | 3 20 |
| F 29 | 9 13 | 13 31 | 2 30 | 2 52 | 0 43 | 0 47 | 7 53 | 23 5 | 0 14 | 18 24 | 0 51 | 13 17 | 2 16 | 23 13 | 0 14 | 19 8 | 1 38 | 14 24 | 13 6 | 0 20 | 0 45 | 28 25 | 5 35 | 3 20 |
| S 30 | 8 51 | 19 2 | 3 32 | 2 7 | 0 36 | 0 40 | 8 0 | 23 6 | 0 13 | 18 26 | 0 51 | 13 18 | 2 16 | 23 13 | 0 14 | 19 8 | 1 38 | 14 24 | 13 6 | 0 20 | 0 44 | 28 25 | 5 34 | 3 20 |
| S 31 | 8n30 | 23n37 | 4n21 | 1n22 | 0n28 | 0s32 | 8s 7 | 23n 7 | 0s12 | 18s28 | 0n50 | 13s20 | 2n16 | 23n13 | 0n14 | 19s 8 | 1n38 | 14n23 | 13n 6 | 0n21 | 0n43 | 28s26 | 5n33 | 3n20 |

Julian Day Number = 2800563.5, Delta T = 50m10s
Ecliptic obliquity = 23°19'05, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°06'58, Lahiri = 37°13'59


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# ASTRODIENST EPHEMERIS for the year 2955
# geocentric

## SEPTEMBER 2955 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 22 40 57 | 9♍ 2'14 | 11♊ 6 | 29♍14 | 11°R32 | 1♋33 | 26♏38 | 12♏29 | 9♋25 | 3♐28 | 24♍ 3 | 0°R52 | 1♈45 | 27♐44 | 6°R17 | M 1 |
| T 2 | 22 44 54 | 9°59'56 | 25°21 | 0♎47 | 10♍55 | 2°12 | 26°45 | 12°34 | 9°27 | 3°29 | 24° 5 | 0♈52 | 1°42 | 27°51 | 6♈15 | T 2 |
| W 3 | 22 48 50 | 10°57'39 | 9♋43 | 2°19 | 10°17 | 2°51 | 26°52 | 12°38 | 9°29 | 3°29 | 24° 7 | 0°50 | 1°39 | 27°57 | 6°12 | W 3 |
| T 4 | 22 52 47 | 11°55'24 | 24° 8 | 3°50 | 9°40 | 3°30 | 26°59 | 12°43 | 9°31 | 3°30 | 24° 9 | 0°48 | 1°35 | 28° 4 | 6°10 | T 4 |
| F 5 | 22 56 44 | 12°53'11 | 8♌31 | 5°19 | 9° 3 | 4° 8 | 27° 6 | 12°48 | 9°33 | 3°31 | 24°11 | 0°46 | 1°32 | 28°11 | 6° 7 | F 5 |
| S 6 | 23 0 40 | 13°50'59 | 22°47 | 6°47 | 8°27 | 4°47 | 27°14 | 12°52 | 9°35 | 3°31 | 24°13 | 0°43 | 1°29 | 28°18 | 6° 5 | S 6 |
| S 7 | 23 4 37 | 14°48'48 | 6♍52 | 8°13 | 7°51 | 5°25 | 27°21 | 12°57 | 9°37 | 3°32 | 24°15 | 0°42 | 1°26 | 28°24 | 6° 2 | S 7 |
| M 8 | 23 8 33 | 15°46'39 | 20°41 | 9°37 | 7°17 | 6° 3 | 27°29 | 13° 2 | 9°39 | 3°33 | 24°17 | 0°41 | 1°23 | 28°31 | 6° 0 | M 8 |
| T 9 | 23 12 30 | 16°44'31 | 4♎11 | 11° 0 | 6°43 | 6°41 | 27°37 | 13° 7 | 9°41 | 3°34 | 24°19 | 0°D41 | 1°19 | 28°38 | 5°57 | T 9 |
| W10 | 23 16 26 | 17°42'25 | 17°21 | 12°22 | 6°11 | 7°19 | 27°45 | 13°12 | 9°43 | 3°34 | 24°21 | 0°41 | 1°16 | 28°44 | 5°55 | W10 |
| T 11 | 23 20 23 | 18°40'20 | 0♏12 | 13°42 | 5°41 | 7°57 | 27°53 | 13°17 | 9°45 | 3°35 | 24°24 | 0°42 | 1°13 | 28°51 | 5°52 | T 11 |
| F 12 | 23 24 19 | 19°38'16 | 12°44 | 15° 0 | 5°12 | 8°35 | 28° 1 | 13°23 | 9°46 | 3°36 | 24°26 | 0°43 | 1°10 | 28°58 | 5°49 | F 12 |
| S 13 | 23 28 16 | 20°36'13 | 25° 0 | 16°16 | 4°45 | 9°12 | 28° 9 | 13°28 | 9°48 | 3°37 | 24°28 | 0°44 | 1° 7 | 29° 5 | 5°47 | S 13 |
| S 14 | 23 32 12 | 21°34'12 | 7♐ 4 | 17°31 | 4°20 | 9°50 | 28°17 | 13°33 | 9°50 | 3°38 | 24°30 | 0°45 | 1° 4 | 29°11 | 5°44 | S 14 |
| M15 | 23 36 9 | 22°32'12 | 19° 1 | 18°44 | 3°58 | 10°27 | 28°26 | 13°39 | 9°51 | 3°39 | 24°32 | 0°R45 | 1° 0 | 29°18 | 5°41 | M15 |
| T 16 | 23 40 6 | 23°30'13 | 0♑54 | 19°55 | 3°37 | 11° 4 | 28°35 | 13°44 | 9°53 | 3°40 | 24°34 | 0°45 | 0°57 | 29°25 | 5°39 | T 16 |
| W17 | 23 44 2 | 24°28'16 | 12°49 | 21° 4 | 3°19 | 11°41 | 28°43 | 13°50 | 9°54 | 3°41 | 24°36 | 0°45 | 0°54 | 29°32 | 5°36 | W17 |
| T 18 | 23 47 59 | 25°26'20 | 24°50 | 22°10 | 3° 3 | 12°18 | 28°52 | 13°55 | 9°56 | 3°42 | 24°38 | 0°44 | 0°51 | 29°38 | 5°33 | T 18 |
| F 19 | 23 51 55 | 26°24'26 | 7♒ 0 | 23°15 | 2°49 | 12°54 | 29° 1 | 14° 1 | 9°57 | 3°43 | 24°40 | 0°44 | 0°48 | 29°45 | 5°31 | F 19 |
| S 20 | 23 55 52 | 27°22'32 | 19°24 | 24°17 | 2°38 | 13°31 | 29°10 | 14° 7 | 9°59 | 3°44 | 24°42 | 0°43 | 0°45 | 29°52 | 5°28 | S 20 |
| S 21 | 23 59 48 | 28°20'40 | 2♓ 4 | 25°17 | 2°29 | 14° 7 | 29°19 | 14°12 | 10° 0 | 3°45 | 24°44 | 0°43 | 0°41 | 29°58 | 5°25 | S 21 |
| M22 | 0 3 45 | 29°18'50 | 15° 1 | 26°14 | 2°23 | 14°43 | 29°29 | 14°18 | 10° 1 | 3°47 | 24°46 | 0°43 | 0°38 | 0♉ 5 | 5°22 | M22 |
| T 23 | 0 7 41 | 0♎17'01 | 28°15 | 27° 8 | 2°19 | 15°19 | 29°38 | 14°24 | 10° 2 | 3°48 | 24°49 | 0°43 | 0°35 | 0°12 | 5°20 | T 23 |
| W24 | 0 11 38 | 1°15'14 | 11♈47 | 28° 0 | 2°D17 | 15°55 | 29°47 | 14°30 | 10° 3 | 3°49 | 24°51 | 0°43 | 0°32 | 0°19 | 5°17 | W24 |
| T 25 | 0 15 35 | 2°13'29 | 25°33 | 28°48 | 2°18 | 16°31 | 29°57 | 14°36 | 10° 5 | 3°50 | 24°53 | 0°42 | 0°29 | 0°25 | 5°14 | T 25 |
| F 26 | 0 19 31 | 3°11'46 | 9♉32 | 29°33 | 2°21 | 17° 6 | 0♐ 7 | 14°42 | 10° 6 | 3°52 | 24°55 | 0°42 | 0°25 | 0°32 | 5°11 | F 26 |
| S 27 | 0 23 28 | 4°10'04 | 23°40 | 0♏14 | 2°27 | 17°42 | 0°16 | 14°48 | 10° 7 | 3°53 | 24°57 | 0°42 | 0°22 | 0°39 | 5° 8 | S 27 |
| S 28 | 0 27 24 | 5° 8'25 | 7♊53 | 0°51 | 2°34 | 18°17 | 0°26 | 14°54 | 10° 8 | 3°54 | 24°59 | 0°42 | 0°19 | 0°45 | 5° 6 | S 28 |
| M29 | 0 31 21 | 6° 6'48 | 22° 9 | 1°25 | 2°44 | 18°52 | 0°36 | 15° 0 | 10° 8 | 3°56 | 25° 1 | 0°41 | 0°16 | 0°52 | 5° 3 | M29 |
| T 30 | 0 35 17 | 7♎ 5'13 | 6♋23 | 1♏53 | 2♍56 | 19♋27 | 0♐46 | 15♏ 6 | 10♋ 9 | 3♐57 | 25♍ 3 | 0°D41 | 0♈13 | 0♑59 | 5♈ 0 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 8n 8 | 26n53 | 4n56 | 0n37 | 0n21 | 0s24 | 8s12 | 23n 7 | 0s11 | 18s29 | 0n50 | 13s21 | 2n16 | 23n13 | 0n14 | 19s 8 | 1n38 | 14n22 | 13n 6 | 0n21 | 0n42 | 28s26 | 5n33 | 3n20 |
| T 2 | 7 47 | 28 27 | 5 13 | 0s 7 | 0 13 | 0 15 | 8 17 | 23 8 | 0 10 | 18 31 | 0 50 | 13 23 | 2 15 | 23 13 | 0 14 | 19 8 | 1 38 | 14 21 | 13 6 | 0 20 | 0 40 | 28 26 | 5 32 | 3 20 |
| W 3 | 7 25 | 28 8 | 5 11 | 0 51 | 0 5 | 0 4 | 8 21 | 23 8 | 0 9 | 18 33 | 0 50 | 13 24 | 2 15 | 23 13 | 0 14 | 19 9 | 1 38 | 14 20 | 13 6 | 0 20 | 0 39 | 28 26 | 5 31 | 3 20 |
| T 4 | 7 3 | 25 55 | 4 49 | 1 34 | 0s 4 | 0n 7 | 8 24 | 23 8 | 0 8 | 18 35 | 0 50 | 13 26 | 2 15 | 23 13 | 0 14 | 19 9 | 1 38 | 14 19 | 13 6 | 0 19 | 0 38 | 28 26 | 5 30 | 3 20 |
| F 5 | 6 41 | 22 3 | 4 9 | 2 17 | 0 12 | 0 18 | 8 26 | 23 8 | 0 7 | 18 37 | 0 49 | 13 27 | 2 15 | 23 13 | 0 14 | 19 9 | 1 38 | 14 19 | 13 6 | 0 18 | 0 36 | 28 27 | 5 29 | 3 20 |
| S 6 | 6 19 | 16 54 | 3 14 | 2 59 | 0 20 | 0 31 | 8 27 | 23 8 | 0 6 | 18 39 | 0 49 | 13 29 | 2 15 | 23 12 | 0 14 | 19 9 | 1 38 | 14 18 | 13 6 | 0 17 | 0 35 | 28 27 | 5 28 | 3 20 |
| S 7 | 5 57 | 10 56 | 2 8 | 3 41 | 0 29 | 0 43 | 8 27 | 23 8 | 0 5 | 18 40 | 0 49 | 13 31 | 2 14 | 23 12 | 0 14 | 19 9 | 1 38 | 14 17 | 13 6 | 0 17 | 0 34 | 28 27 | 5 27 | 3 20 |
| M 8 | 5 35 | 4 31 | 0 55 | 4 23 | 0 38 | 0 56 | 8 27 | 23 7 | 0 4 | 18 42 | 0 49 | 13 32 | 2 14 | 23 12 | 0 14 | 19 10 | 1 38 | 14 16 | 13 6 | 0 16 | 0 33 | 28 27 | 5 26 | 3 20 |
| T 9 | 5 13 | 1s57 | 0s19 | 5 3 | 0 47 | 1 10 | 8 25 | 23 6 | 0 3 | 18 44 | 0 49 | 13 34 | 2 14 | 23 12 | 0 14 | 19 10 | 1 38 | 14 15 | 13 6 | 0 16 | 0 31 | 28 27 | 5 25 | 3 20 |
| W10 | 4 50 | 8 11 | 1 31 | 5 43 | 0 56 | 1 24 | 8 23 | 23 6 | 0 1 | 18 46 | 0 48 | 13 36 | 2 14 | 23 12 | 0 14 | 19 10 | 1 37 | 14 15 | 13 6 | 0 16 | 0 30 | 28 27 | 5 24 | 3 20 |
| T 11 | 4 28 | 13 55 | 2 36 | 6 22 | 1 5 | 1 37 | 8 19 | 23 4 | 0 0 | 18 48 | 0 48 | 13 37 | 2 14 | 23 12 | 0 14 | 19 10 | 1 37 | 14 14 | 13 6 | 0 17 | 0 29 | 28 27 | 5 23 | 3 20 |
| F 12 | 4 5 | 18 57 | 3 32 | 7 1 | 1 14 | 1 51 | 8 16 | 23 3 | 0n 1 | 18 50 | 0 48 | 13 39 | 2 13 | 23 12 | 0 14 | 19 10 | 1 37 | 14 13 | 13 6 | 0 17 | 0 28 | 28 27 | 5 22 | 3 20 |
| S 13 | 3 42 | 23 5 | 4 17 | 7 38 | 1 23 | 2 5 | 8 11 | 23 2 | 0 2 | 18 52 | 0 48 | 13 41 | 2 13 | 23 12 | 0 14 | 19 11 | 1 37 | 14 12 | 13 6 | 0 17 | 0 26 | 28 27 | 5 20 | 3 20 |
| S 14 | 3 20 | 26 9 | 4 50 | 8 15 | 1 32 | 2 19 | 8 5 | 23 0 | 0 3 | 18 54 | 0 48 | 13 43 | 2 13 | 23 12 | 0 14 | 19 11 | 1 37 | 14 11 | 13 6 | 0 18 | 0 25 | 28 27 | 5 19 | 3 20 |
| M15 | 2 57 | 28 1 | 5 10 | 8 51 | 1 41 | 2 33 | 7 59 | 22 59 | 0 4 | 18 56 | 0 47 | 13 44 | 2 13 | 23 11 | 0 14 | 19 11 | 1 37 | 14 11 | 13 6 | 0 18 | 0 24 | 28 28 | 5 18 | 3 20 |
| T 16 | 2 34 | 28 35 | 5 16 | 9 27 | 1 50 | 2 46 | 7 53 | 22 57 | 0 5 | 18 58 | 0 47 | 13 46 | 2 13 | 23 11 | 0 14 | 19 11 | 1 37 | 14 10 | 13 6 | 0 18 | 0 23 | 28 28 | 5 17 | 3 20 |
| W17 | 2 11 | 27 50 | 5 10 | 10 1 | 1 59 | 2 59 | 7 46 | 22 55 | 0 7 | 19 0 | 0 47 | 13 48 | 2 12 | 23 11 | 0 14 | 19 12 | 1 37 | 14 9 | 13 6 | 0 18 | 0 21 | 28 28 | 5 16 | 3 19 |
| T 18 | 1 48 | 25 48 | 4 49 | 10 34 | 2 8 | 3 12 | 7 38 | 22 53 | 0 8 | 19 3 | 0 47 | 13 50 | 2 12 | 23 11 | 0 14 | 19 12 | 1 37 | 14 8 | 13 6 | 0 17 | 0 20 | 28 28 | 5 15 | 3 19 |
| F 19 | 1 25 | 22 33 | 4 15 | 11 6 | 2 16 | 3 25 | 7 30 | 22 51 | 0 9 | 19 5 | 0 47 | 13 52 | 2 12 | 23 11 | 0 14 | 19 12 | 1 37 | 14 7 | 13 6 | 0 17 | 0 19 | 28 28 | 5 14 | 3 19 |
| S 20 | 1 2 | 18 14 | 3 29 | 11 37 | 2 25 | 3 36 | 7 21 | 22 48 | 0 10 | 19 7 | 0 46 | 13 53 | 2 12 | 23 11 | 0 14 | 19 12 | 1 37 | 14 7 | 13 6 | 0 17 | 0 18 | 28 28 | 5 13 | 3 19 |
| S 21 | 0 39 | 13 3 | 2 32 | 12 7 | 2 33 | 3 48 | 7 12 | 22 46 | 0 11 | 19 9 | 0 46 | 13 55 | 2 12 | 23 11 | 0 14 | 19 13 | 1 37 | 14 6 | 13 6 | 0 17 | 0 16 | 28 28 | 5 12 | 3 19 |
| M22 | 0 16 | 7 12 | 1 26 | 12 35 | 2 42 | 3 59 | 7 3 | 22 43 | 0 13 | 19 11 | 0 46 | 13 57 | 2 12 | 23 11 | 0 14 | 19 13 | 1 37 | 14 5 | 13 7 | 0 17 | 0 15 | 28 28 | 5 10 | 3 19 |
| T 23 | 0s 7 | 0 54 | 0 14 | 13 3 | 2 50 | 4 9 | 6 54 | 22 40 | 0 14 | 19 13 | 0 46 | 13 59 | 2 11 | 23 11 | 0 14 | 19 13 | 1 37 | 14 4 | 13 7 | 0 17 | 0 14 | 28 28 | 5 9 | 3 19 |
| W24 | 0 30 | 5n34 | 1n 1 | 13 29 | 2 58 | 4 19 | 6 44 | 22 38 | 0 15 | 19 15 | 0 46 | 14 1 | 2 11 | 23 11 | 0 14 | 19 13 | 1 37 | 14 4 | 13 7 | 0 17 | 0 13 | 28 28 | 5 8 | 3 19 |
| T 25 | 0 53 | 11 54 | 2 13 | 13 53 | 3 6 | 4 28 | 6 34 | 22 34 | 0 16 | 19 18 | 0 46 | 14 3 | 2 11 | 23 11 | 0 14 | 19 14 | 1 37 | 14 3 | 13 7 | 0 17 | 0 11 | 28 28 | 5 7 | 3 19 |
| F 26 | 1 16 | 17 44 | 3 19 | 14 16 | 3 13 | 4 36 | 6 24 | 22 31 | 0 18 | 19 20 | 0 45 | 14 5 | 2 11 | 23 11 | 0 14 | 19 14 | 1 37 | 14 2 | 13 7 | 0 17 | 0 10 | 28 28 | 5 6 | 3 19 |
| S 27 | 1 39 | 22 41 | 4 13 | 14 37 | 3 20 | 4 44 | 6 13 | 22 28 | 0 19 | 19 22 | 0 45 | 14 7 | 2 11 | 23 11 | 0 15 | 19 14 | 1 37 | 14 2 | 13 7 | 0 17 | 0 9 | 28 28 | 5 5 | 3 19 |
| S 28 | 2 2 | 26 19 | 4 52 | 14 56 | 3 26 | 4 51 | 6 3 | 22 25 | 0 20 | 19 24 | 0 45 | 14 8 | 2 11 | 23 11 | 0 15 | 19 15 | 1 37 | 14 1 | 13 7 | 0 16 | 0 8 | 28 28 | 5 4 | 3 19 |
| M29 | 2 25 | 28 18 | 5 13 | 15 13 | 3 32 | 4 57 | 5 53 | 22 21 | 0 22 | 19 26 | 0 45 | 14 10 | 2 11 | 23 10 | 0 15 | 19 15 | 1 37 | 14 0 | 13 7 | 0 16 | 0 6 | 28 28 | 5 2 | 3 19 |
| T 30 | 2s48 | 28n25 | 5n15 | 15s29 | 3s38 | 5n 3 | 5s42 | 22n18 | 0n23 | 19s29 | 0n45 | 14s12 | 2n10 | 23n10 | 0n15 | 19s15 | 1n36 | 14n 0 | 13n 8 | 0n16 | 0n 5 | 28s28 | 5n 1 | 3n19 |

Julian Day Number = 2800594.5, Delta T = 50m10s
Ecliptic obliquity = 23°19'05, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°07'02, Lahiri = 37°14'03


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# ASTRODIENST EPHEMERIS for the year 2955
# geocentric

## OCTOBER 2955 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 0 39 14 | 8♎ 3'40 | 20♋35 | 2♏17 | 3♍10 | 20♋ 2 | 0♐57 | 15♏13 | 10♋10 | 3♐58 | 25♍ 5 | 0♈41 | 0♈10 | 1♉ 6 | 4°R57 | W 1 |
| T 2 | 0 43 10 | 9° 2'09 | 4♌41 | 2°36 | 3°27 | 20°36 | 1° 7 | 15°19 | 10°11 | 4° 0 | 25° 7 | 0°42 | 0° 6 | 1°12 | 4♈55 | T 2 |
| F 3 | 0 47 7 | 10° 0'40 | 18°39 | 2°49 | 3°45 | 21°10 | 1°17 | 15°25 | 10°12 | 4° 1 | 25° 9 | 0°42 | 0° 3 | 1°19 | 4°52 | F 3 |
| S 4 | 0 51 4 | 10°59'13 | 2♍27 | 2°56 | 4° 5 | 21°45 | 1°28 | 15°32 | 10°12 | 4° 3 | 25°11 | 0°43 | 0° 0 | 1°26 | 4°49 | S 4 |
| S 5 | 0 55 0 | 11°57'49 | 16° 4 | 2°R57 | 4°27 | 22°19 | 1°38 | 15°38 | 10°13 | 4° 4 | 25°13 | 0°44 | 29♓57 | 1°33 | 4°46 | S 5 |
| M 6 | 0 58 57 | 12°56'26 | 29°29 | 2°52 | 4°50 | 22°52 | 1°49 | 15°45 | 10°13 | 4° 6 | 25°15 | 0°R44 | 29°54 | 1°39 | 4°44 | M 6 |
| T 7 | 1 2 53 | 13°55'05 | 12♎40 | 2°39 | 5°15 | 23°26 | 2° 0 | 15°51 | 10°14 | 4° 7 | 25°17 | 0°44 | 29°50 | 1°46 | 4°41 | T 7 |
| W 8 | 1 6 50 | 14°53'46 | 25°35 | 2°20 | 5°42 | 23°59 | 2°10 | 15°58 | 10°14 | 4° 9 | 25°19 | 0°43 | 29°47 | 1°53 | 4°38 | W 8 |
| T 9 | 1 10 46 | 15°52'29 | 8♏16 | 1°53 | 6°11 | 24°32 | 2°21 | 16° 4 | 10°15 | 4°11 | 25°21 | 0°41 | 29°44 | 1°59 | 4°35 | T 9 |
| F 10 | 1 14 43 | 16°51'14 | 20°42 | 1°19 | 6°41 | 25° 5 | 2°32 | 16°11 | 10°15 | 4°12 | 25°23 | 0°39 | 29°41 | 2° 6 | 4°33 | F 10 |
| S 11 | 1 18 39 | 17°50'01 | 2♐56 | 0°38 | 7°13 | 25°38 | 2°43 | 16°18 | 10°15 | 4°14 | 25°25 | 0°36 | 29°38 | 2°13 | 4°30 | S 11 |
| S 12 | 1 22 36 | 18°48'49 | 14°59 | 29♎50 | 7°46 | 26°10 | 2°54 | 16°24 | 10°16 | 4°16 | 25°27 | 0°34 | 29°35 | 2°20 | 4°27 | S 12 |
| M13 | 1 26 33 | 19°47'39 | 26°55 | 28°56 | 8°20 | 26°43 | 3° 5 | 16°31 | 10°16 | 4°17 | 25°29 | 0°32 | 29°31 | 2°26 | 4°25 | M13 |
| T 14 | 1 30 29 | 20°46'31 | 8♑48 | 27°57 | 8°56 | 27°15 | 3°17 | 16°38 | 10°16 | 4°19 | 25°31 | 0°30 | 29°28 | 2°33 | 4°22 | T 14 |
| W15 | 1 34 26 | 21°45'25 | 20°41 | 26°53 | 9°33 | 27°46 | 3°28 | 16°45 | 10°16 | 4°21 | 25°33 | 0°D30 | 29°25 | 2°40 | 4°19 | W15 |
| T 16 | 1 38 22 | 22°44'20 | 2♒41 | 25°46 | 10°11 | 28°18 | 3°39 | 16°52 | 10°R16 | 4°23 | 25°35 | 0°30 | 29°22 | 2°46 | 4°17 | T 16 |
| F 17 | 1 42 19 | 23°43'17 | 14°50 | 24°37 | 10°50 | 28°49 | 3°51 | 16°58 | 10°16 | 4°24 | 25°37 | 0°31 | 29°19 | 2°53 | 4°14 | F 17 |
| S 18 | 1 46 15 | 24°42'16 | 27°15 | 23°29 | 11°31 | 29°20 | 4° 3 | 17° 5 | 10°16 | 4°26 | 25°39 | 0°33 | 29°16 | 3° 0 | 4°12 | S 18 |
| S 19 | 1 50 12 | 25°41'16 | 9♓58 | 22°23 | 12°12 | 29°51 | 4°14 | 17°12 | 10°16 | 4°28 | 25°40 | 0°34 | 29°12 | 3° 7 | 4° 9 | S 19 |
| M20 | 1 54 8 | 26°40'18 | 23° 3 | 21°21 | 12°55 | 0♌22 | 4°26 | 17°19 | 10°16 | 4°30 | 25°42 | 0°35 | 29° 9 | 3°13 | 4° 7 | M20 |
| T 21 | 1 58 5 | 27°39'22 | 6♈32 | 20°24 | 13°39 | 0°52 | 4°38 | 17°26 | 10°15 | 4°32 | 25°44 | 0°R35 | 29° 6 | 3°20 | 4° 4 | T 21 |
| W22 | 2 2 2 | 28°38'28 | 20°23 | 19°35 | 14°24 | 1°22 | 4°49 | 17°33 | 10°15 | 4°34 | 25°46 | 0°34 | 29° 3 | 3°27 | 4° 2 | W22 |
| T 23 | 2 5 58 | 29°37'36 | 4♉35 | 18°54 | 15° 9 | 1°52 | 5° 1 | 17°40 | 10°15 | 4°36 | 25°48 | 0°32 | 29° 0 | 3°34 | 3°59 | T 23 |
| F 24 | 2 9 55 | 0♏36'45 | 19° 2 | 18°23 | 15°56 | 2°22 | 5°13 | 17°47 | 10°14 | 4°38 | 25°50 | 0°28 | 28°56 | 3°40 | 3°57 | F 24 |
| S 25 | 2 13 51 | 1°35'57 | 3♊39 | 18° 3 | 16°44 | 2°51 | 5°25 | 17°54 | 10°14 | 4°39 | 25°51 | 0°23 | 28°53 | 3°47 | 3°54 | S 25 |
| S 26 | 2 17 48 | 2°35'12 | 18°18 | 17°D53 | 17°32 | 3°20 | 5°37 | 18° 1 | 10°13 | 4°41 | 25°53 | 0°19 | 28°50 | 3°54 | 3°52 | S 26 |
| M27 | 2 21 44 | 3°34'28 | 2♋53 | 17°54 | 18°21 | 3°49 | 5°49 | 18° 9 | 10°13 | 4°43 | 25°55 | 0°15 | 28°47 | 4° 0 | 3°50 | M27 |
| T 28 | 2 25 41 | 4°33'47 | 17°19 | 18° 5 | 19°11 | 4°17 | 6° 1 | 18°16 | 10°12 | 4°45 | 25°57 | 0°12 | 28°44 | 4° 7 | 3°47 | T 28 |
| W29 | 2 29 37 | 5°33'08 | 1♌32 | 18°27 | 20° 2 | 4°46 | 6°14 | 18°23 | 10°12 | 4°47 | 25°58 | 0°D11 | 28°41 | 4°14 | 3°45 | W29 |
| T 30 | 2 33 34 | 6°32'31 | 15°29 | 18°59 | 20°54 | 5°14 | 6°26 | 18°30 | 10°11 | 4°49 | 26° 0 | 0°11 | 28°37 | 4°21 | 3°43 | T 30 |
| F 31 | 2 37 31 | 7♏31'57 | 29♌12 | 19♎40 | 21♍46 | 5♌41 | 6♐38 | 18♏37 | 10♋10 | 4♐51 | 26♍ 2 | 0♈12 | 28♓34 | 4♉27 | 3♈41 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 3s11 | 26n39 | 4n58 | 15s42 | 3s43 | 5n 8 | 5s31 | 22n14 | 0n24 | 19s31 | 0n45 | 14s14 | 2n10 | 23n10 | 0n15 | 19s15 | 1n36 | 13n59 | 13n 8 | 0n16 | 0n 4 | 28s27 | 5n 0 | 3n19 |
| T 2 | 3 34 | 23 15 | 4 23 | 15 52 | 3 47 | 5 12 | 5 21 | 22 10 | 0 26 | 19 33 | 0 44 | 14 16 | 2 10 | 23 10 | 0 15 | 19 16 | 1 36 | 13 58 | 13 8 | 0 17 | 0 3 | 28 27 | 4 59 | 3 19 |
| F 3 | 3 57 | 18 32 | 3 32 | 16 0 | 3 51 | 5 15 | 5 10 | 22 6 | 0 27 | 19 35 | 0 44 | 14 18 | 2 10 | 23 10 | 0 15 | 19 16 | 1 36 | 13 58 | 13 8 | 0 17 | 0 1 | 28 27 | 4 58 | 3 18 |
| S 4 | 4 20 | 12 53 | 2 30 | 16 5 | 3 53 | 5 18 | 5 0 | 22 2 | 0 28 | 19 38 | 0 44 | 14 20 | 2 10 | 23 10 | 0 15 | 19 16 | 1 36 | 13 57 | 13 8 | 0 17 | 0 0 | 28 27 | 4 56 | 3 18 |
| S 5 | 4 42 | 6 42 | 1 20 | 16 6 | 3 55 | 5 20 | 4 49 | 21 58 | 0 30 | 19 40 | 0 44 | 14 22 | 2 10 | 23 10 | 0 15 | 19 17 | 1 36 | 13 56 | 13 8 | 0 17 | 0s 1 | 28 27 | 4 55 | 3 18 |
| M 6 | 5 5 | 0 19 | 0 7 | 16 5 | 3 55 | 5 22 | 4 39 | 21 54 | 0 31 | 19 42 | 0 44 | 14 24 | 2 10 | 23 10 | 0 15 | 19 17 | 1 36 | 13 56 | 13 8 | 0 18 | 0 3 | 28 27 | 4 54 | 3 18 |
| T 7 | 5 28 | 5s59 | 1s 5 | 16 0 | 3 54 | 5 22 | 4 28 | 21 50 | 0 32 | 19 45 | 0 44 | 14 26 | 2 9 | 23 10 | 0 15 | 19 17 | 1 36 | 13 55 | 13 9 | 0 17 | 0 4 | 28 27 | 4 53 | 3 18 |
| W 8 | 5 50 | 11 54 | 2 13 | 15 51 | 3 52 | 5 22 | 4 18 | 21 45 | 0 34 | 19 47 | 0 44 | 14 28 | 2 9 | 23 10 | 0 15 | 19 18 | 1 36 | 13 54 | 13 9 | 0 17 | 0 5 | 28 27 | 4 52 | 3 18 |
| T 9 | 6 13 | 17 14 | 3 13 | 15 39 | 3 49 | 5 22 | 4 7 | 21 41 | 0 35 | 19 49 | 0 43 | 14 30 | 2 9 | 23 10 | 0 15 | 19 18 | 1 36 | 13 54 | 13 9 | 0 16 | 0 6 | 28 27 | 4 51 | 3 18 |
| F 10 | 6 35 | 21 43 | 4 2 | 15 22 | 3 43 | 5 20 | 3 57 | 21 37 | 0 37 | 19 51 | 0 43 | 14 32 | 2 9 | 23 10 | 0 15 | 19 18 | 1 36 | 13 53 | 13 9 | 0 15 | 0 8 | 28 26 | 4 49 | 3 18 |
| S 11 | 6 58 | 25 12 | 4 39 | 15 1 | 3 36 | 5 18 | 3 47 | 21 32 | 0 38 | 19 54 | 0 43 | 14 34 | 2 9 | 23 10 | 0 15 | 19 19 | 1 36 | 13 53 | 13 9 | 0 14 | 0 9 | 28 26 | 4 48 | 3 18 |
| S 12 | 7 20 | 27 30 | 5 3 | 14 36 | 3 28 | 5 15 | 3 37 | 21 27 | 0 40 | 19 56 | 0 43 | 14 36 | 2 9 | 23 10 | 0 15 | 19 19 | 1 36 | 13 52 | 13 10 | 0 13 | 0 10 | 28 26 | 4 47 | 3 17 |
| M13 | 7 42 | 28 31 | 5 14 | 14 7 | 3 17 | 5 12 | 3 27 | 21 23 | 0 41 | 19 58 | 0 43 | 14 38 | 2 9 | 23 10 | 0 15 | 19 19 | 1 36 | 13 51 | 13 10 | 0 13 | 0 11 | 28 26 | 4 46 | 3 17 |
| T 14 | 8 4 | 28 12 | 5 11 | 13 34 | 3 4 | 5 8 | 3 17 | 21 18 | 0 43 | 20 0 | 0 43 | 14 40 | 2 9 | 23 10 | 0 15 | 19 20 | 1 36 | 13 51 | 13 10 | 0 12 | 0 13 | 28 26 | 4 45 | 3 17 |
| W15 | 8 26 | 26 36 | 4 55 | 12 57 | 2 50 | 5 3 | 3 7 | 21 13 | 0 44 | 20 3 | 0 42 | 14 42 | 2 8 | 23 10 | 0 15 | 19 20 | 1 36 | 13 50 | 13 10 | 0 12 | 0 14 | 28 26 | 4 44 | 3 17 |
| T 16 | 8 48 | 23 47 | 4 27 | 12 18 | 2 34 | 4 58 | 2 58 | 21 8 | 0 46 | 20 5 | 0 42 | 14 44 | 2 8 | 23 10 | 0 15 | 19 20 | 1 36 | 13 50 | 13 11 | 0 12 | 0 15 | 28 25 | 4 42 | 3 17 |
| F 17 | 9 10 | 19 54 | 3 45 | 11 37 | 2 16 | 4 52 | 2 48 | 21 4 | 0 47 | 20 7 | 0 42 | 14 46 | 2 8 | 23 10 | 0 15 | 19 21 | 1 36 | 13 49 | 13 11 | 0 12 | 0 16 | 28 25 | 4 41 | 3 17 |
| S 18 | 9 31 | 15 4 | 2 53 | 10 54 | 1 58 | 4 45 | 2 39 | 20 59 | 0 49 | 20 10 | 0 42 | 14 48 | 2 8 | 23 10 | 0 15 | 19 21 | 1 36 | 13 49 | 13 11 | 0 13 | 0 18 | 28 25 | 4 40 | 3 17 |
| S 19 | 9 53 | 9 30 | 1 51 | 10 11 | 1 38 | 4 38 | 2 30 | 20 54 | 0 50 | 20 12 | 0 42 | 14 50 | 2 8 | 23 10 | 0 15 | 19 22 | 1 36 | 13 48 | 13 11 | 0 14 | 0 19 | 28 25 | 4 39 | 3 16 |
| M20 | 10 14 | 3 22 | 0 41 | 9 29 | 1 18 | 4 30 | 2 21 | 20 49 | 0 52 | 20 14 | 0 42 | 14 52 | 2 8 | 23 10 | 0 15 | 19 22 | 1 36 | 13 48 | 13 12 | 0 14 | 0 20 | 28 25 | 4 38 | 3 16 |
| T 21 | 10 35 | 3n 5 | 0n33 | 8 49 | 0 57 | 4 22 | 2 12 | 20 44 | 0 53 | 20 16 | 0 42 | 14 54 | 2 8 | 23 10 | 0 15 | 19 22 | 1 36 | 13 47 | 13 12 | 0 14 | 0 21 | 28 24 | 4 37 | 3 16 |
| W22 | 10 56 | 9 34 | 1 46 | 8 11 | 0 37 | 4 13 | 2 3 | 20 39 | 0 55 | 20 19 | 0 42 | 14 56 | 2 8 | 23 10 | 0 15 | 19 23 | 1 36 | 13 47 | 13 12 | 0 14 | 0 23 | 28 24 | 4 36 | 3 16 |
| T 23 | 11 17 | 15 44 | 2 55 | 7 38 | 0 17 | 4 4 | 1 54 | 20 34 | 0 57 | 20 21 | 0 41 | 14 58 | 2 8 | 23 11 | 0 15 | 19 23 | 1 36 | 13 46 | 13 12 | 0 13 | 0 24 | 28 24 | 4 35 | 3 16 |
| F 24 | 11 38 | 21 9 | 3 54 | 7 8 | 0n 3 | 3 54 | 1 46 | 20 29 | 0 58 | 20 23 | 0 41 | 15 0 | 2 8 | 23 11 | 0 15 | 19 23 | 1 36 | 13 46 | 13 13 | 0 11 | 0 25 | 28 24 | 4 33 | 3 16 |
| S 25 | 11 58 | 25 20 | 4 38 | 6 43 | 0 21 | 3 43 | 1 37 | 20 24 | 1 0 | 20 25 | 0 41 | 15 2 | 2 8 | 23 11 | 0 15 | 19 24 | 1 35 | 13 45 | 13 13 | 0 9 | 0 26 | 28 23 | 4 32 | 3 16 |
| S 26 | 12 19 | 27 52 | 5 5 | 6 24 | 0 38 | 3 32 | 1 29 | 20 18 | 1 1 | 20 28 | 0 41 | 15 4 | 2 8 | 23 11 | 0 15 | 19 24 | 1 35 | 13 45 | 13 13 | 0 7 | 0 28 | 28 23 | 4 31 | 3 15 |
| M27 | 12 39 | 28 28 | 5 11 | 6 10 | 0 53 | 3 20 | 1 21 | 20 13 | 1 3 | 20 30 | 0 41 | 15 6 | 2 7 | 23 11 | 0 15 | 19 25 | 1 35 | 13 45 | 13 14 | 0 6 | 0 29 | 28 23 | 4 30 | 3 15 |
| T 28 | 12 59 | 27 7 | 4 58 | 6 2 | 1 7 | 3 8 | 1 13 | 20 8 | 1 5 | 20 32 | 0 41 | 15 8 | 2 7 | 23 11 | 0 15 | 19 25 | 1 35 | 13 44 | 13 14 | 0 5 | 0 30 | 28 22 | 4 29 | 3 15 |
| W29 | 13 18 | 24 3 | 4 26 | 5 59 | 1 19 | 2 56 | 1 5 | 20 3 | 1 7 | 20 34 | 0 41 | 15 10 | 2 7 | 23 11 | 0 15 | 19 25 | 1 35 | 13 44 | 13 14 | 0 4 | 0 31 | 28 22 | 4 28 | 3 15 |
| T 30 | 13 38 | 19 36 | 3 39 | 6 1 | 1 30 | 2 43 | 0 57 | 19 58 | 1 8 | 20 36 | 0 41 | 15 12 | 2 7 | 23 11 | 0 15 | 19 26 | 1 35 | 13 43 | 13 15 | 0 4 | 0 33 | 28 22 | 4 27 | 3 15 |
| F 31 | 13s57 | 14n12 | 2n41 | 6s 7 | 1n39 | 2n29 | 0s50 | 19n53 | 1n10 | 20s39 | 0n40 | 15s14 | 2n 7 | 23n11 | 0n15 | 19s26 | 1n35 | 13n43 | 13n15 | 0n 5 | 0s34 | 28s22 | 4n26 | 3n14 |

Julian Day Number = 2800624.5, Delta T = 50m11s
Ecliptic obliquity = 23°19'05, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°07'06, Lahiri = 37°14'07


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# ASTRODIENST EPHEMERIS for the year 2955
# geocentric

## NOVEMBER 2955 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 41 27 | 8♏31'25 | 12♍39 | 20♎29 | 22♍39 | 6♌ 8 | 6♐51 | 18♏44 | 10°R 9 | 4♐54 | 26♍ 3 | 0♈14 | 28♓31 | 4♉34 | 3°R39 | S 1 |
| S 2 | 2 45 24 | 9°30'55 | 25°52 | 21°26 | 23°33 | 6°35 | 7° 3 | 18°52 | 10♋ 8 | 4°56 | 26° 5 | 0°R15 | 28°28 | 4°41 | 3♈37 | S 2 |
| M 3 | 2 49 20 | 10°30'27 | 8♎53 | 22°30 | 24°27 | 7° 2 | 7°16 | 18°59 | 10° 8 | 4°58 | 26° 7 | 0°15 | 28°25 | 4°48 | 3°34 | M 3 |
| T 4 | 2 53 17 | 11°30'01 | 21°41 | 23°40 | 25°22 | 7°28 | 7°28 | 19° 6 | 10° 7 | 5° 0 | 26° 8 | 0°12 | 28°22 | 4°54 | 3°32 | T 4 |
| W 5 | 2 57 13 | 12°29'38 | 4♏19 | 24°55 | 26°17 | 7°54 | 7°41 | 19°13 | 10° 6 | 5° 2 | 26°10 | 0° 8 | 28°18 | 5° 1 | 3°30 | W 5 |
| T 6 | 3 1 10 | 13°29'16 | 16°46 | 26°15 | 27°14 | 8°20 | 7°53 | 19°21 | 10° 5 | 5° 4 | 26°11 | 0° 2 | 28°15 | 5° 8 | 3°28 | T 6 |
| F 7 | 3 5 6 | 14°28'56 | 29° 2 | 27°38 | 28°10 | 8°45 | 8° 6 | 19°28 | 10° 3 | 5° 6 | 26°13 | 29♓54 | 28°12 | 5°14 | 3°26 | F 7 |
| S 8 | 3 9 3 | 15°28'39 | 11♐10 | 29° 5 | 29° 7 | 9°10 | 8°19 | 19°35 | 10° 2 | 5° 8 | 26°14 | 29°45 | 28° 9 | 5°21 | 3°25 | S 8 |
| S 9 | 3 13 0 | 16°28'23 | 23° 9 | 0♏34 | 0♎ 5 | 9°35 | 8°31 | 19°42 | 10° 1 | 5°10 | 26°16 | 29°36 | 28° 6 | 5°28 | 3°23 | S 9 |
| M10 | 3 16 56 | 17°28'09 | 5♉ 3 | 2° 6 | 1° 3 | 9°59 | 8°44 | 19°50 | 10° 0 | 5°13 | 26°17 | 29°28 | 28° 2 | 5°35 | 3°21 | M10 |
| T 11 | 3 20 53 | 18°27'57 | 16°54 | 3°40 | 2° 2 | 10°23 | 8°57 | 19°57 | 9°59 | 5°15 | 26°19 | 29°21 | 27°59 | 5°41 | 3°19 | T 11 |
| W12 | 3 24 49 | 19°27'46 | 28°45 | 5°15 | 3° 1 | 10°46 | 9°10 | 20° 4 | 9°57 | 5°17 | 26°20 | 29°17 | 27°56 | 5°48 | 3°18 | W12 |
| T 13 | 3 28 46 | 20°27'37 | 10♒42 | 6°51 | 4° 1 | 11° 9 | 9°23 | 20°11 | 9°56 | 5°19 | 26°22 | 29°14 | 27°53 | 5°55 | 3°16 | T 13 |
| F 14 | 3 32 42 | 21°27'30 | 22°47 | 8°28 | 5° 1 | 11°31 | 9°36 | 20°19 | 9°55 | 5°21 | 26°23 | 29°D14 | 27°50 | 6° 1 | 3°14 | F 14 |
| S 15 | 3 36 39 | 22°27'24 | 5♓ 8 | 10° 5 | 6° 1 | 11°54 | 9°49 | 20°26 | 9°53 | 5°23 | 26°24 | 29°14 | 27°47 | 6° 8 | 3°13 | S 15 |
| S 16 | 3 40 35 | 23°27'20 | 17°48 | 11°43 | 7° 2 | 12°15 | 10° 2 | 20°33 | 9°52 | 5°26 | 26°26 | 29°15 | 27°43 | 6°15 | 3°11 | S 16 |
| M17 | 3 44 32 | 24°27'17 | 0♈52 | 13°22 | 8° 4 | 12°37 | 10°15 | 20°41 | 9°50 | 5°28 | 26°27 | 29°R16 | 27°40 | 6°22 | 3°10 | M17 |
| T 18 | 3 48 29 | 25°27'16 | 14°23 | 15° 0 | 9° 5 | 12°57 | 10°28 | 20°48 | 9°48 | 5°30 | 26°28 | 29°15 | 27°37 | 6°28 | 3° 8 | T 18 |
| W19 | 3 52 25 | 26°27'16 | 28°22 | 16°39 | 10° 8 | 13°18 | 10°41 | 20°55 | 9°47 | 5°32 | 26°29 | 29°11 | 27°34 | 6°35 | 3° 7 | W19 |
| T 20 | 3 56 22 | 27°27'19 | 12♉48 | 18°18 | 11°10 | 13°38 | 10°54 | 21° 2 | 9°45 | 5°34 | 26°31 | 29° 6 | 27°31 | 6°42 | 3° 6 | T 20 |
| F 21 | 4 0 18 | 28°27'23 | 27°36 | 19°56 | 12°13 | 13°57 | 11° 7 | 21°10 | 9°43 | 5°37 | 26°32 | 28°58 | 27°28 | 6°49 | 3° 4 | F 21 |
| S 22 | 4 4 15 | 29°27'29 | 12♊38 | 21°35 | 13°16 | 14°16 | 11°20 | 21°17 | 9°42 | 5°39 | 26°33 | 28°48 | 27°24 | 6°55 | 3° 3 | S 22 |
| S 23 | 4 8 11 | 0♐27'36 | 27°44 | 23°13 | 14°20 | 14°35 | 11°33 | 21°24 | 9°40 | 5°41 | 26°34 | 28°39 | 27°21 | 7° 2 | 3° 2 | S 23 |
| M24 | 4 12 8 | 1°27'46 | 12♋44 | 24°51 | 15°23 | 14°53 | 11°46 | 21°31 | 9°38 | 5°43 | 26°35 | 28°30 | 27°18 | 7° 9 | 3° 1 | M24 |
| T 25 | 4 16 4 | 2°27'58 | 27°30 | 26°29 | 16°28 | 15°11 | 12° 0 | 21°38 | 9°36 | 5°46 | 26°36 | 28°24 | 27°15 | 7°15 | 3° 0 | T 25 |
| W26 | 4 20 1 | 3°28'11 | 11♌55 | 28° 6 | 17°32 | 15°28 | 12°13 | 21°46 | 9°34 | 5°48 | 26°37 | 28°19 | 27°12 | 7°22 | 2°59 | W26 |
| T 27 | 4 23 58 | 4°28'27 | 25°57 | 29°44 | 18°37 | 15°44 | 12°26 | 21°53 | 9°32 | 5°50 | 26°38 | 28°17 | 27° 8 | 7°29 | 2°58 | T 27 |
| F 28 | 4 27 54 | 5°28'44 | 9♍36 | 1♐21 | 19°42 | 16° 0 | 12°39 | 22° 0 | 9°30 | 5°52 | 26°39 | 28°D17 | 27° 5 | 7°36 | 2°57 | F 28 |
| S 29 | 4 31 51 | 6°29'04 | 22°54 | 2°57 | 20°47 | 16°15 | 12°52 | 22° 7 | 9°28 | 5°55 | 26°40 | 28°R18 | 27° 2 | 7°42 | 2°56 | S 29 |
| S 30 | 4 35 47 | 7♐29'25 | 5♎53 | 4♐34 | 21♎53 | 16♌30 | 13♐ 6 | 22♏14 | 9♋26 | 5♐57 | 26♍41 | 28♓17 | 26♓59 | 7♉49 | 2♈55 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s16 | 8n14 | 1n34 | 6s19 | 1n47 | 2n15 | 0s43 | 19n48 | 1n12 | 20s41 | 0n40 | 15s16 | 2n 7 | 23n11 | 0n15 | 19s26 | 1n35 | 13n43 | 13n15 | 0n 5 | 0s35 | 28s21 | 4n25 | 3n14 |
| S 2 | 14 35 | 2 0 | 0 24 | 6 34 | 1 53 | 2 1 | 0 35 | 19 43 | 1 13 | 20 43 | 0 40 | 15 18 | 2 7 | 23 11 | 0 15 | 19 27 | 1 35 | 13 42 | 13 16 | 0 6 | 0 36 | 28 21 | 4 24 | 3 14 |
| M 3 | 14 54 | 4s13 | 0s47 | 6 53 | 1 58 | 1 46 | 0 28 | 19 38 | 1 15 | 20 45 | 0 40 | 15 20 | 2 7 | 23 11 | 0 15 | 19 27 | 1 35 | 13 42 | 13 16 | 0 6 | 0 38 | 28 21 | 4 23 | 3 14 |
| T 4 | 15 12 | 10 10 | 1 54 | 7 16 | 2 1 | 1 30 | 0 21 | 19 33 | 1 17 | 20 47 | 0 40 | 15 22 | 2 7 | 23 11 | 0 15 | 19 28 | 1 35 | 13 42 | 13 16 | 0 5 | 0 39 | 28 20 | 4 22 | 3 14 |
| W 5 | 15 31 | 15 37 | 2 54 | 7 41 | 2 4 | 1 15 | 0 15 | 19 28 | 1 19 | 20 49 | 0 40 | 15 24 | 2 7 | 23 12 | 0 15 | 19 28 | 1 35 | 13 41 | 13 17 | 0 3 | 0 40 | 28 20 | 4 21 | 3 14 |
| T 6 | 15 48 | 20 21 | 3 44 | 8 9 | 2 5 | 0 59 | 0 8 | 19 23 | 1 21 | 20 52 | 0 40 | 15 26 | 2 7 | 23 12 | 0 15 | 19 28 | 1 35 | 13 41 | 13 17 | 0 1 | 0 41 | 28 19 | 4 20 | 3 13 |
| F 7 | 16 6 | 24 8 | 4 24 | 8 38 | 2 5 | 0 42 | 0 1 | 19 19 | 1 23 | 20 54 | 0 40 | 15 28 | 2 7 | 23 12 | 0 15 | 19 29 | 1 35 | 13 41 | 13 17 | 0s 2 | 0 43 | 28 19 | 4 19 | 3 13 |
| S 8 | 16 24 | 26 48 | 4 51 | 9 9 | 2 4 | 0 25 | 0n 5 | 19 14 | 1 25 | 20 56 | 0 40 | 15 30 | 2 7 | 23 12 | 0 15 | 19 29 | 1 35 | 13 41 | 13 18 | 0 6 | 0 44 | 28 19 | 4 18 | 3 13 |
| S 9 | 16 41 | 28 13 | 5 5 | 9 42 | 2 3 | 0 8 | 0 11 | 19 9 | 1 26 | 20 58 | 0 39 | 15 32 | 2 7 | 23 12 | 0 15 | 19 30 | 1 35 | 13 40 | 13 18 | 0 9 | 0 45 | 28 18 | 4 17 | 3 13 |
| M10 | 16 58 | 28 18 | 5 5 | 10 15 | 2 0 | 0s 9 | 0 17 | 19 5 | 1 28 | 21 0 | 0 39 | 15 34 | 2 7 | 23 12 | 0 15 | 19 30 | 1 35 | 13 40 | 13 18 | 0 13 | 0 47 | 28 18 | 4 16 | 3 13 |
| T 11 | 17 14 | 27 6 | 4 53 | 10 50 | 1 57 | 0 27 | 0 23 | 19 0 | 1 30 | 21 2 | 0 39 | 15 36 | 2 7 | 23 12 | 0 15 | 19 30 | 1 35 | 13 40 | 13 19 | 0 15 | 0 48 | 28 17 | 4 15 | 3 12 |
| W12 | 17 30 | 24 40 | 4 28 | 11 25 | 1 54 | 0 45 | 0 29 | 18 56 | 1 32 | 21 4 | 0 39 | 15 38 | 2 7 | 23 12 | 0 16 | 19 31 | 1 35 | 13 40 | 13 19 | 0 17 | 0 49 | 28 17 | 4 15 | 3 12 |
| T 13 | 17 46 | 21 10 | 3 51 | 12 0 | 1 50 | 1 4 | 0 34 | 18 51 | 1 34 | 21 6 | 0 39 | 15 40 | 2 7 | 23 12 | 0 16 | 19 31 | 1 35 | 13 39 | 13 20 | 0 18 | 0 50 | 28 17 | 4 14 | 3 12 |
| F 14 | 18 2 | 16 44 | 3 3 | 12 35 | 1 45 | 1 22 | 0 40 | 18 47 | 1 36 | 21 8 | 0 39 | 15 42 | 2 7 | 23 13 | 0 16 | 19 32 | 1 35 | 13 39 | 13 20 | 0 18 | 0 52 | 28 16 | 4 13 | 3 12 |
| S 15 | 18 17 | 11 32 | 2 6 | 13 11 | 1 40 | 1 41 | 0 45 | 18 43 | 1 38 | 21 10 | 0 39 | 15 44 | 2 7 | 23 13 | 0 16 | 19 32 | 1 35 | 13 39 | 13 20 | 0 18 | 0 53 | 28 16 | 4 12 | 3 11 |
| S 16 | 18 33 | 5 44 | 1 1 | 13 46 | 1 35 | 2 1 | 0 50 | 18 39 | 1 40 | 21 12 | 0 39 | 15 46 | 2 7 | 23 13 | 0 16 | 19 32 | 1 35 | 13 39 | 13 21 | 0 18 | 0 54 | 28 15 | 4 11 | 3 11 |
| M17 | 18 47 | 0n28 | 0n 9 | 14 21 | 1 30 | 2 20 | 0 55 | 18 35 | 1 42 | 21 14 | 0 39 | 15 48 | 2 7 | 23 13 | 0 16 | 19 33 | 1 35 | 13 39 | 13 21 | 0 17 | 0 55 | 28 15 | 4 10 | 3 11 |
| T 18 | 19 2 | 6 52 | 1 20 | 14 55 | 1 24 | 2 40 | 1 0 | 18 31 | 1 45 | 21 16 | 0 39 | 15 50 | 2 7 | 23 13 | 0 16 | 19 33 | 1 35 | 13 39 | 13 22 | 0 18 | 0 57 | 28 14 | 4 10 | 3 11 |
| W19 | 19 16 | 13 10 | 2 29 | 15 29 | 1 18 | 3 0 | 1 5 | 18 27 | 1 47 | 21 18 | 0 38 | 15 51 | 2 7 | 23 13 | 0 16 | 19 34 | 1 35 | 13 39 | 13 22 | 0 19 | 0 58 | 28 14 | 4 9 | 3 11 |
| T 20 | 19 30 | 18 57 | 3 31 | 16 3 | 1 11 | 3 20 | 1 9 | 18 23 | 1 49 | 21 20 | 0 38 | 15 53 | 2 7 | 23 13 | 0 16 | 19 34 | 1 35 | 13 38 | 13 22 | 0 21 | 0 59 | 28 13 | 4 8 | 3 10 |
| F 21 | 19 43 | 23 44 | 4 20 | 16 35 | 1 5 | 3 40 | 1 14 | 18 20 | 1 51 | 21 22 | 0 38 | 15 55 | 2 7 | 23 13 | 0 16 | 19 34 | 1 35 | 13 38 | 13 23 | 0 25 | 1 0 | 28 13 | 4 8 | 3 10 |
| S 22 | 19 56 | 27 1 | 4 51 | 17 8 | 0 58 | 4 1 | 1 18 | 18 16 | 1 53 | 21 24 | 0 38 | 15 57 | 2 7 | 23 14 | 0 16 | 19 35 | 1 35 | 13 38 | 13 23 | 0 28 | 1 2 | 28 12 | 4 7 | 3 10 |
| S 23 | 20 9 | 28 21 | 5 3 | 17 39 | 0 52 | 4 21 | 1 22 | 18 13 | 1 55 | 21 26 | 0 38 | 15 59 | 2 7 | 23 14 | 0 16 | 19 35 | 1 35 | 13 38 | 13 24 | 0 32 | 1 3 | 28 12 | 4 6 | 3 10 |
| M24 | 20 21 | 27 35 | 4 54 | 18 9 | 0 45 | 4 42 | 1 26 | 18 10 | 1 58 | 21 27 | 0 38 | 16 1 | 2 7 | 23 14 | 0 16 | 19 36 | 1 35 | 13 38 | 13 24 | 0 36 | 1 4 | 28 11 | 4 6 | 3 9 |
| T 25 | 20 33 | 24 54 | 4 25 | 18 39 | 0 38 | 5 3 | 1 30 | 18 7 | 2 0 | 21 29 | 0 38 | 16 3 | 2 7 | 23 14 | 0 16 | 19 36 | 1 35 | 13 38 | 13 25 | 0 38 | 1 5 | 28 11 | 4 5 | 3 9 |
| W26 | 20 44 | 20 39 | 3 40 | 19 8 | 0 31 | 5 24 | 1 34 | 18 4 | 2 2 | 21 31 | 0 38 | 16 4 | 2 7 | 23 14 | 0 16 | 19 36 | 1 35 | 13 38 | 13 25 | 0 40 | 1 7 | 28 10 | 4 4 | 3 9 |
| T 27 | 20 56 | 15 22 | 2 43 | 19 36 | 0 24 | 5 45 | 1 37 | 18 1 | 2 4 | 21 33 | 0 38 | 16 6 | 2 7 | 23 14 | 0 16 | 19 37 | 1 35 | 13 38 | 13 25 | 0 41 | 1 8 | 28 10 | 4 4 | 3 9 |
| F 28 | 21 6 | 9 26 | 1 38 | 20 2 | 0 18 | 6 7 | 1 41 | 17 59 | 2 7 | 21 35 | 0 38 | 16 8 | 2 7 | 23 15 | 0 16 | 19 37 | 1 35 | 13 38 | 13 26 | 0 41 | 1 9 | 28 9 | 4 3 | 3 9 |
| S 29 | 21 17 | 3 15 | 0 29 | 20 28 | 0 11 | 6 28 | 1 44 | 17 56 | 2 9 | 21 36 | 0 38 | 16 10 | 2 7 | 23 15 | 0 16 | 19 38 | 1 35 | 13 38 | 13 26 | 0 41 | 1 10 | 28 9 | 4 3 | 3 8 |
| S 30 | 21s27 | 2s57 | 0s40 | 20s53 | 0n 4 | 6s49 | 1n47 | 17n54 | 2n11 | 21s38 | 0n38 | 16s11 | 2n 7 | 23n15 | 0n16 | 19s38 | 1n35 | 13n38 | 13n27 | 0s41 | 1s12 | 28s 8 | 4n 2 | 3n 8 |

Julian Day Number = 2800655.5, Delta T = 50m11s
Ecliptic obliquity = 23°19'05, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°07'11, Lahiri = 37°14'11


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# ASTRODIENST EPHEMERIS for the year 2955
# geocentric

## DECEMBER 2955 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 4 39 44 | 8♐29'48 | 18♎37 | 6♐10 | 22♎59 | 16♌44 | 13♐19 | 22♏21 | 9°R24 | 5♐59 | 26♍42 | 28°R16 | 26♓56 | 7♑56 | 2°R54 | M 1 |
| T 2 | 4 43 40 | 9°30'13 | 1♏ 8 | 7°46 | 24° 5 | 16°58 | 13°32 | 22°28 | 9♋22 | 6° 1 | 26°43 | 28♓11 | 26°53 | 8° 2 | 2♈54 | T 2 |
| W 3 | 4 47 37 | 10°30'40 | 13°29 | 9°21 | 25°12 | 17°11 | 13°46 | 22°35 | 9°20 | 6° 4 | 26°44 | 28° 4 | 26°49 | 8° 9 | 2°53 | W 3 |
| T 4 | 4 51 33 | 11°31'08 | 25°42 | 10°56 | 26°18 | 17°24 | 13°59 | 22°43 | 9°18 | 6° 6 | 26°45 | 27°53 | 26°46 | 8°16 | 2°52 | T 4 |
| F 5 | 4 55 30 | 12°31'39 | 7♐48 | 12°32 | 27°25 | 17°35 | 14°12 | 22°50 | 9°16 | 6° 8 | 26°45 | 27°41 | 26°43 | 8°23 | 2°52 | F 5 |
| S 6 | 4 59 27 | 13°32'10 | 19°48 | 14° 6 | 28°32 | 17°47 | 14°26 | 22°57 | 9°14 | 6°10 | 26°46 | 27°26 | 26°40 | 8°29 | 2°51 | S 6 |
| S 7 | 5 3 23 | 14°32'43 | 1♑43 | 15°41 | 29°40 | 17°57 | 14°39 | 23° 3 | 9°11 | 6°13 | 26°47 | 27°12 | 26°37 | 8°36 | 2°51 | S 7 |
| M 8 | 5 7 20 | 15°33'18 | 13°35 | 17°16 | 0♏47 | 18° 7 | 14°52 | 23°10 | 9° 9 | 6°15 | 26°48 | 26°58 | 26°34 | 8°43 | 2°51 | M 8 |
| T 9 | 5 11 16 | 16°33'54 | 25°25 | 18°50 | 1°55 | 18°16 | 15° 6 | 23°17 | 9° 7 | 6°17 | 26°48 | 26°47 | 26°30 | 8°50 | 2°50 | T 9 |
| W10 | 5 15 13 | 17°34'31 | 7♒16 | 20°24 | 3° 3 | 18°25 | 15°19 | 23°24 | 9° 4 | 6°19 | 26°49 | 26°38 | 26°27 | 8°56 | 2°50 | W10 |
| T 11 | 5 19 9 | 18°35'09 | 19°11 | 21°58 | 4°11 | 18°32 | 15°32 | 23°31 | 9° 2 | 6°22 | 26°50 | 26°32 | 26°24 | 9° 3 | 2°50 | T 11 |
| F 12 | 5 23 6 | 19°35'48 | 1♓14 | 23°32 | 5°20 | 18°39 | 15°46 | 23°38 | 9° 0 | 6°24 | 26°50 | 26°29 | 26°21 | 9°10 | 2°50 | F 12 |
| S 13 | 5 27 3 | 20°36'28 | 13°30 | 25° 6 | 6°28 | 18°46 | 15°59 | 23°45 | 8°57 | 6°26 | 26°51 | 26°28 | 26°18 | 9°16 | 2°50 | S 13 |
| S 14 | 5 30 59 | 21°37'10 | 26° 4 | 26°39 | 7°37 | 18°51 | 16°12 | 23°51 | 8°55 | 6°28 | 26°51 | 26°27 | 26°14 | 9°23 | 2°D50 | S 14 |
| M15 | 5 34 56 | 22°37'52 | 9♈ 1 | 28°13 | 8°46 | 18°56 | 16°25 | 23°58 | 8°53 | 6°30 | 26°52 | 26°27 | 26°11 | 9°30 | 2°50 | M15 |
| T 16 | 5 38 52 | 23°38'35 | 22°25 | 29°46 | 9°55 | 19° 0 | 16°39 | 24° 5 | 8°50 | 6°32 | 26°52 | 26°25 | 26° 8 | 9°37 | 2°50 | T 16 |
| W17 | 5 42 49 | 24°39'19 | 6♉19 | 1♑20 | 11° 4 | 19° 4 | 16°52 | 24°11 | 8°48 | 6°35 | 26°53 | 26°21 | 26° 5 | 9°43 | 2°50 | W17 |
| T 18 | 5 46 45 | 25°40'04 | 20°43 | 2°53 | 12°14 | 19° 6 | 17° 5 | 24°18 | 8°45 | 6°37 | 26°53 | 26°14 | 26° 2 | 9°50 | 2°50 | T 18 |
| F 19 | 5 50 42 | 26°40'51 | 5♊35 | 4°27 | 13°23 | 19° 8 | 17°19 | 24°25 | 8°43 | 6°39 | 26°53 | 26° 5 | 25°59 | 9°57 | 2°50 | F 19 |
| S 20 | 5 54 38 | 27°41'38 | 20°46 | 6° 0 | 14°33 | 19° 9 | 17°32 | 24°31 | 8°40 | 6°41 | 26°54 | 25°54 | 25°55 | 10° 3 | 2°51 | S 20 |
| S 21 | 5 58 35 | 28°42'26 | 6♋ 7 | 7°33 | 15°43 | 19°R 9 | 17°45 | 24°37 | 8°38 | 6°43 | 26°54 | 25°42 | 25°52 | 10°10 | 2°51 | S 21 |
| M22 | 6 2 32 | 29°43'16 | 21°26 | 9° 6 | 16°53 | 19° 9 | 17°58 | 24°44 | 8°35 | 6°45 | 26°54 | 25°31 | 25°49 | 10°17 | 2°51 | M22 |
| T 23 | 6 6 28 | 0♑44'06 | 6♌31 | 10°39 | 18° 3 | 19° 7 | 18°12 | 24°50 | 8°33 | 6°47 | 26°54 | 25°22 | 25°46 | 10°24 | 2°52 | T 23 |
| W24 | 6 10 25 | 1°44'58 | 21°14 | 12°13 | 19°13 | 19° 5 | 18°25 | 24°57 | 8°30 | 6°50 | 26°55 | 25°16 | 25°43 | 10°30 | 2°52 | W24 |
| T 25 | 6 14 21 | 2°45'51 | 5♍30 | 13°46 | 20°24 | 19° 2 | 18°38 | 25° 3 | 8°28 | 6°52 | 26°55 | 25°13 | 25°40 | 10°37 | 2°53 | T 25 |
| F 26 | 6 18 18 | 3°46'45 | 19°18 | 15°19 | 21°34 | 18°58 | 18°51 | 25° 9 | 8°25 | 6°54 | 26°55 | 25°12 | 25°36 | 10°44 | 2°54 | F 26 |
| S 27 | 6 22 14 | 4°47'40 | 2♎39 | 16°51 | 22°45 | 18°54 | 19° 4 | 25°15 | 8°23 | 6°56 | 26°55 | 25°12 | 25°33 | 10°50 | 2°54 | S 27 |
| S 28 | 6 26 11 | 5°48'36 | 15°36 | 18°24 | 23°56 | 18°48 | 19°17 | 25°21 | 8°20 | 6°58 | 26°55 | 25°12 | 25°30 | 10°57 | 2°55 | S 28 |
| M29 | 6 30 7 | 6°49'34 | 28°13 | 19°57 | 25° 6 | 18°42 | 19°30 | 25°28 | 8°17 | 7° 0 | 26°R55 | 25°10 | 25°27 | 11° 4 | 2°56 | M29 |
| T 30 | 6 34 4 | 7°50'32 | 10♏35 | 21°29 | 26°18 | 18°34 | 19°43 | 25°34 | 8°15 | 7° 2 | 26°55 | 25° 6 | 25°24 | 11°11 | 2°57 | T 30 |
| W31 | 6 38 1 | 8♑51'32 | 22♏46 | 23♑ 1 | 27♏29 | 18♌26 | 19♐56 | 25♏40 | 8♋12 | 7♐ 4 | 26♍55 | 24♓59 | 25♓20 | 11♑17 | 2♈58 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21s37 | 8s53 | 1s46 | 21s17 | 0s 3 | 7s11 | 1n50 | 17n52 | 2n14 | 21s40 | 0n37 | 16s13 | 2n 7 | 23n15 | 0n16 | 19s38 | 1n35 | 13n38 | 13n27 | 0s41 | 1s13 | 28s 7 | 4n 1 | 3n 8 |
| T 2 | 21 46 | 14 23 | 2 45 | 21 39 | 0 10 | 7 33 | 1 53 | 17 50 | 2 16 | 21 41 | 0 37 | 16 15 | 2 7 | 23 15 | 0 16 | 19 39 | 1 35 | 13 38 | 13 28 | 0 43 | 1 14 | 28 7 | 4 1 | 3 8 |
| W 3 | 21 55 | 19 13 | 3 35 | 22 1 | 0 17 | 7 54 | 1 56 | 17 48 | 2 19 | 21 43 | 0 37 | 16 17 | 2 7 | 23 15 | 0 16 | 19 39 | 1 35 | 13 38 | 13 28 | 0 46 | 1 15 | 28 6 | 4 0 | 3 7 |
| T 4 | 22 3 | 23 12 | 4 15 | 22 21 | 0 23 | 8 16 | 1 58 | 17 47 | 2 21 | 21 45 | 0 37 | 16 18 | 2 7 | 23 16 | 0 16 | 19 39 | 1 35 | 13 39 | 13 29 | 0 50 | 1 17 | 28 6 | 4 0 | 3 7 |
| F 5 | 22 11 | 26 8 | 4 42 | 22 41 | 0 30 | 8 37 | 2 1 | 17 46 | 2 24 | 21 46 | 0 37 | 16 20 | 2 7 | 23 16 | 0 16 | 19 40 | 1 35 | 13 39 | 13 29 | 0 55 | 1 18 | 28 5 | 4 0 | 3 7 |
| S 6 | 22 19 | 27 52 | 4 57 | 22 59 | 0 36 | 8 59 | 2 3 | 17 45 | 2 26 | 21 48 | 0 37 | 16 22 | 2 7 | 23 16 | 0 16 | 19 40 | 1 35 | 13 39 | 13 30 | 1 1 | 1 19 | 28 4 | 3 59 | 3 7 |
| S 7 | 22 26 | 28 17 | 4 59 | 23 16 | 0 43 | 9 20 | 2 5 | 17 44 | 2 29 | 21 50 | 0 37 | 16 24 | 2 7 | 23 16 | 0 16 | 19 41 | 1 35 | 13 39 | 13 30 | 1 7 | 1 20 | 28 4 | 3 59 | 3 6 |
| M 8 | 22 32 | 27 24 | 4 48 | 23 31 | 0 49 | 9 42 | 2 7 | 17 43 | 2 31 | 21 51 | 0 37 | 16 25 | 2 7 | 23 16 | 0 16 | 19 41 | 1 35 | 13 39 | 13 30 | 1 12 | 1 22 | 28 3 | 3 58 | 3 6 |
| T 9 | 22 39 | 25 16 | 4 24 | 23 46 | 0 55 | 10 3 | 2 9 | 17 43 | 2 34 | 21 53 | 0 37 | 16 27 | 2 7 | 23 16 | 0 16 | 19 41 | 1 35 | 13 39 | 13 31 | 1 16 | 1 23 | 28 3 | 3 58 | 3 6 |
| W10 | 22 44 | 22 3 | 3 49 | 23 59 | 1 1 | 10 25 | 2 11 | 17 43 | 2 36 | 21 54 | 0 37 | 16 28 | 2 7 | 23 17 | 0 16 | 19 42 | 1 35 | 13 39 | 13 31 | 1 20 | 1 24 | 28 2 | 3 58 | 3 6 |
| T 11 | 22 50 | 17 54 | 3 3 | 24 11 | 1 7 | 10 46 | 2 13 | 17 43 | 2 39 | 21 56 | 0 37 | 16 30 | 2 7 | 23 17 | 0 16 | 19 42 | 1 35 | 13 40 | 13 32 | 1 22 | 1 25 | 28 1 | 3 57 | 3 5 |
| F 12 | 22 55 | 12 59 | 2 9 | 24 22 | 1 13 | 11 7 | 2 14 | 17 43 | 2 42 | 21 57 | 0 37 | 16 32 | 2 7 | 23 17 | 0 16 | 19 42 | 1 35 | 13 40 | 13 32 | 1 24 | 1 27 | 28 1 | 3 57 | 3 5 |
| S 13 | 22 59 | 7 30 | 1 8 | 24 32 | 1 18 | 11 28 | 2 16 | 17 44 | 2 44 | 21 59 | 0 37 | 16 33 | 2 7 | 23 17 | 0 16 | 19 43 | 1 35 | 13 40 | 13 33 | 1 24 | 1 28 | 28 0 | 3 57 | 3 5 |
| S 14 | 23 3 | 1 35 | 0 2 | 24 40 | 1 24 | 11 49 | 2 17 | 17 44 | 2 47 | 22 0 | 0 37 | 16 35 | 2 8 | 23 17 | 0 16 | 19 43 | 1 35 | 13 40 | 13 33 | 1 24 | 1 29 | 27 59 | 3 57 | 3 5 |
| M15 | 23 7 | 4n34 | 1n 6 | 24 47 | 1 29 | 12 10 | 2 18 | 17 45 | 2 50 | 22 1 | 0 36 | 16 36 | 2 8 | 23 17 | 0 16 | 19 43 | 1 35 | 13 41 | 13 34 | 1 24 | 1 30 | 27 58 | 3 56 | 3 4 |
| T 16 | 23 10 | 10 44 | 2 12 | 24 53 | 1 34 | 12 31 | 2 19 | 17 47 | 2 52 | 22 3 | 0 36 | 16 38 | 2 8 | 23 18 | 0 16 | 19 44 | 1 35 | 13 41 | 13 34 | 1 25 | 1 32 | 27 58 | 3 56 | 3 4 |
| W17 | 23 13 | 16 36 | 3 14 | 24 57 | 1 39 | 12 51 | 2 20 | 17 48 | 2 55 | 22 4 | 0 36 | 16 40 | 2 8 | 23 18 | 0 16 | 19 44 | 1 35 | 13 41 | 13 35 | 1 27 | 1 33 | 27 57 | 3 56 | 3 4 |
| T 18 | 23 15 | 21 47 | 4 5 | 25 0 | 1 43 | 13 11 | 2 21 | 17 50 | 2 58 | 22 6 | 0 36 | 16 41 | 2 8 | 23 18 | 0 16 | 19 45 | 1 35 | 13 41 | 13 35 | 1 29 | 1 34 | 27 56 | 3 56 | 3 4 |
| F 19 | 23 17 | 25 44 | 4 41 | 25 2 | 1 47 | 13 31 | 2 22 | 17 52 | 3 0 | 22 7 | 0 36 | 16 43 | 2 8 | 23 18 | 0 16 | 19 45 | 1 35 | 13 42 | 13 36 | 1 33 | 1 35 | 27 56 | 3 56 | 3 3 |
| S 20 | 23 18 | 27 58 | 4 59 | 25 2 | 1 52 | 13 51 | 2 22 | 17 54 | 3 3 | 22 8 | 0 36 | 16 44 | 2 8 | 23 18 | 0 16 | 19 45 | 1 35 | 13 42 | 13 36 | 1 37 | 1 37 | 27 55 | 3 56 | 3 3 |
| S 21 | 23 19 | 28 5 | 4 55 | 25 1 | 1 55 | 14 11 | 2 23 | 17 57 | 3 6 | 22 9 | 0 36 | 16 45 | 2 8 | 23 18 | 0 16 | 19 46 | 1 35 | 13 42 | 13 37 | 1 42 | 1 38 | 27 54 | 3 56 | 3 3 |
| M22 | 23 19 | 26 4 | 4 30 | 24 59 | 1 59 | 14 30 | 2 23 | 18 0 | 3 9 | 22 11 | 0 36 | 16 47 | 2 8 | 23 19 | 0 16 | 19 46 | 1 35 | 13 43 | 13 37 | 1 46 | 1 39 | 27 53 | 3 56 | 3 3 |
| T 23 | 23 19 | 22 12 | 3 47 | 24 55 | 2 2 | 14 50 | 2 23 | 18 3 | 3 11 | 22 12 | 0 36 | 16 48 | 2 8 | 23 19 | 0 16 | 19 46 | 1 35 | 13 43 | 13 38 | 1 50 | 1 41 | 27 53 | 3 56 | 3 2 |
| W24 | 23 18 | 17 1 | 2 49 | 24 50 | 2 5 | 15 9 | 2 23 | 18 6 | 3 14 | 22 13 | 0 36 | 16 50 | 2 8 | 23 19 | 0 16 | 19 47 | 1 35 | 13 43 | 13 38 | 1 52 | 1 42 | 27 52 | 3 56 | 3 2 |
| T 25 | 23 17 | 11 2 | 1 42 | 24 44 | 2 8 | 15 27 | 2 23 | 18 10 | 3 17 | 22 14 | 0 36 | 16 51 | 2 8 | 23 19 | 0 16 | 19 47 | 1 35 | 13 44 | 13 39 | 1 53 | 1 43 | 27 51 | 3 56 | 3 2 |
| F 26 | 23 16 | 4 42 | 0 31 | 24 36 | 2 10 | 15 46 | 2 23 | 18 13 | 3 20 | 22 15 | 0 36 | 16 52 | 2 9 | 23 19 | 0 16 | 19 47 | 1 35 | 13 44 | 13 39 | 1 54 | 1 44 | 27 50 | 3 56 | 3 2 |
| S 27 | 23 14 | 1s39 | 0s39 | 24 27 | 2 12 | 16 4 | 2 23 | 18 17 | 3 22 | 22 17 | 0 36 | 16 54 | 2 9 | 23 19 | 0 16 | 19 47 | 1 35 | 13 45 | 13 40 | 1 54 | 1 46 | 27 50 | 3 56 | 3 2 |
| S 28 | 23 11 | 7 44 | 1 46 | 24 16 | 2 14 | 16 22 | 2 22 | 18 22 | 3 25 | 22 18 | 0 36 | 16 55 | 2 9 | 23 20 | 0 16 | 19 48 | 1 35 | 13 45 | 13 40 | 1 54 | 1 47 | 27 49 | 3 56 | 3 1 |
| M29 | 23 9 | 13 21 | 2 45 | 24 4 | 2 15 | 16 39 | 2 22 | 18 26 | 3 28 | 22 19 | 0 36 | 16 57 | 2 9 | 23 20 | 0 16 | 19 48 | 1 35 | 13 45 | 13 41 | 1 55 | 1 48 | 27 48 | 3 56 | 3 1 |
| T 30 | 23 5 | 18 20 | 3 35 | 23 51 | 2 16 | 16 56 | 2 21 | 18 31 | 3 31 | 22 20 | 0 36 | 16 58 | 2 9 | 23 20 | 0 16 | 19 48 | 1 35 | 13 46 | 13 41 | 1 56 | 1 49 | 27 47 | 3 56 | 3 1 |
| W31 | 23s 1 | 22s29 | 4s15 | 23s36 | 2s16 | 17s13 | 2n21 | 18n36 | 3n33 | 22s21 | 0n36 | 16s59 | 2n 9 | 23n20 | 0n16 | 19s49 | 1n35 | 13n46 | 13n42 | 1s59 | 1s51 | 27s46 | 3n56 | 3n 1 |

Julian Day Number = 2800685.5, Delta T = 50m12s
Ecliptic obliquity = 23°19'04, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°07'15, Lahiri = 37°14'15


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# ASTRODIENST EPHEMERIS for the year 2956
# geocentric

## JANUARY 2956 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 41 57 | 9♑52'32 | 4♐49 | 24♑33 | 28♏40 | 18°R17 | 20♐ 9 | 25♏45 | 8°R10 | 7♐ 6 | 26°R55 | 24°R49 | 25♓17 | 11♑24 | 2♈59 | T 1 |
| F 2 | 6 45 54 | 10°53'34 | 16°47 | 26° 4 | 29°51 | 18♌ 7 | 20°22 | 25°51 | 8♋ 7 | 7° 8 | 26♍55 | 24♓36 | 25°14 | 11°31 | 3° 0 | F 2 |
| S 3 | 6 49 50 | 11°54'36 | 28°41 | 27°35 | 1♐ 3 | 17°57 | 20°35 | 25°57 | 8° 5 | 7°10 | 26°55 | 24°22 | 25°11 | 11°37 | 3° 1 | S 3 |
| S 4 | 6 53 47 | 12°55'39 | 10♑33 | 29° 5 | 2°14 | 17°45 | 20°48 | 26° 3 | 8° 2 | 7°12 | 26°55 | 24° 8 | 25° 8 | 11°44 | 3° 2 | S 4 |
| M 5 | 6 57 43 | 13°56'43 | 22°24 | 0♒34 | 3°26 | 17°33 | 21° 1 | 26° 9 | 8° 0 | 7°13 | 26°54 | 23°54 | 25° 5 | 11°51 | 3° 3 | M 5 |
| T 6 | 7 1 40 | 14°57'46 | 4♒17 | 2° 2 | 4°38 | 17°20 | 21°14 | 26°14 | 7°57 | 7°15 | 26°54 | 23°43 | 25° 1 | 11°58 | 3° 4 | T 6 |
| W 7 | 7 5 37 | 15°58'51 | 16°11 | 3°29 | 5°50 | 17° 6 | 21°26 | 26°20 | 7°54 | 7°17 | 26°54 | 23°34 | 24°58 | 12° 4 | 3° 6 | W 7 |
| T 8 | 7 9 33 | 16°59'56 | 28°11 | 4°54 | 7° 2 | 16°51 | 21°39 | 26°25 | 7°52 | 7°19 | 26°54 | 23°28 | 24°55 | 12°11 | 3° 7 | T 8 |
| F 9 | 7 13 30 | 18° 1'00 | 10♓17 | 6°18 | 8°14 | 16°35 | 21°52 | 26°31 | 7°49 | 7°21 | 26°53 | 23°25 | 24°52 | 12°18 | 3° 9 | F 9 |
| S 10 | 7 17 26 | 19° 2'05 | 22°35 | 7°40 | 9°26 | 16°19 | 22° 4 | 26°36 | 7°47 | 7°23 | 26°53 | 23°D24 | 24°49 | 12°25 | 3°10 | S 10 |
| S 11 | 7 21 23 | 20° 3'11 | 5♈ 8 | 8°59 | 10°38 | 16° 2 | 22°17 | 26°41 | 7°44 | 7°24 | 26°52 | 23°24 | 24°46 | 12°31 | 3°12 | S 11 |
| M12 | 7 25 19 | 21° 4'16 | 18° 0 | 10°15 | 11°50 | 15°45 | 22°30 | 26°47 | 7°42 | 7°26 | 26°52 | 23°R25 | 24°42 | 12°38 | 3°13 | M12 |
| T 13 | 7 29 16 | 22° 5'21 | 1♉15 | 11°28 | 13° 2 | 15°26 | 22°42 | 26°52 | 7°39 | 7°28 | 26°52 | 23°24 | 24°39 | 12°45 | 3°15 | T 13 |
| W14 | 7 33 12 | 23° 6'26 | 14°58 | 12°37 | 14°15 | 15° 7 | 22°55 | 26°57 | 7°37 | 7°30 | 26°51 | 23°22 | 24°36 | 12°51 | 3°16 | W14 |
| T 15 | 7 37 9 | 24° 7'32 | 29° 9 | 13°41 | 15°27 | 14°48 | 23° 7 | 27° 2 | 7°35 | 7°31 | 26°51 | 23°18 | 24°33 | 12°58 | 3°18 | T 15 |
| F 16 | 7 41 6 | 25° 8'37 | 13♊48 | 14°39 | 16°40 | 14°28 | 23°19 | 27° 7 | 7°32 | 7°33 | 26°50 | 23°11 | 24°30 | 13° 5 | 3°20 | F 16 |
| S 17 | 7 45 2 | 26° 9'42 | 28°49 | 15°32 | 17°52 | 14° 7 | 23°32 | 27°12 | 7°30 | 7°35 | 26°50 | 23° 2 | 24°26 | 13°12 | 3°22 | S 17 |
| S 18 | 7 48 59 | 27°10'48 | 14♋ 4 | 16°18 | 19° 5 | 13°46 | 23°44 | 27°17 | 7°27 | 7°36 | 26°49 | 22°53 | 24°23 | 13°18 | 3°24 | S 18 |
| M19 | 7 52 55 | 28°11'53 | 29°24 | 16°55 | 20°17 | 13°24 | 23°56 | 27°21 | 7°25 | 7°38 | 26°48 | 22°45 | 24°20 | 13°25 | 3°26 | M19 |
| T 20 | 7 56 52 | 29°12'58 | 14♌35 | 17°24 | 21°30 | 13° 2 | 24° 8 | 27°26 | 7°23 | 7°39 | 26°48 | 22°38 | 24°17 | 13°32 | 3°27 | T 20 |
| W21 | 8 0 48 | 0♒14'03 | 29°28 | 17°43 | 22°43 | 12°40 | 24°20 | 27°30 | 7°20 | 7°41 | 26°47 | 22°34 | 24°14 | 13°38 | 3°30 | W21 |
| T 22 | 8 4 45 | 1°15'08 | 13♍57 | 17°R52 | 23°56 | 12°17 | 24°32 | 27°35 | 7°18 | 7°43 | 26°46 | 22°31 | 24°11 | 13°45 | 3°32 | T 22 |
| F 23 | 8 8 41 | 2°16'14 | 27°57 | 17°49 | 25° 9 | 11°54 | 24°44 | 27°39 | 7°16 | 7°44 | 26°46 | 22°D31 | 24° 7 | 13°52 | 3°34 | F 23 |
| S 24 | 8 12 38 | 3°17'19 | 11♎28 | 17°35 | 26°22 | 11°30 | 24°56 | 27°44 | 7°14 | 7°45 | 26°45 | 22°32 | 24° 4 | 13°59 | 3°36 | S 24 |
| S 25 | 8 16 35 | 4°18'25 | 24°33 | 17° 9 | 27°35 | 11° 7 | 25° 8 | 27°48 | 7°11 | 7°47 | 26°44 | 22°33 | 24° 1 | 14° 5 | 3°38 | S 25 |
| M26 | 8 20 31 | 5°19'31 | 7♏14 | 16°31 | 28°48 | 10°43 | 25°19 | 27°52 | 7° 9 | 7°48 | 26°43 | 22°R34 | 23°58 | 14°12 | 3°40 | M26 |
| T 27 | 8 24 28 | 6°20'36 | 19°37 | 15°42 | 0♑ 1 | 10°19 | 25°31 | 27°56 | 7° 7 | 7°50 | 26°42 | 22°33 | 23°55 | 14°19 | 3°43 | T 27 |
| W28 | 8 28 24 | 7°21'42 | 1♐45 | 14°43 | 1°14 | 9°55 | 25°43 | 28° 0 | 7° 5 | 7°51 | 26°41 | 22°30 | 23°52 | 14°25 | 3°45 | W28 |
| T 29 | 8 32 21 | 8°22'48 | 13°44 | 13°36 | 2°28 | 9°31 | 25°54 | 28° 4 | 7° 3 | 7°52 | 26°40 | 22°24 | 23°48 | 14°32 | 3°47 | T 29 |
| F 30 | 8 36 17 | 9°23'54 | 25°38 | 12°23 | 3°41 | 9° 7 | 26° 6 | 28° 8 | 7° 1 | 7°54 | 26°40 | 22°17 | 23°45 | 14°39 | 3°50 | F 30 |
| S 31 | 8 40 14 | 10♒25'00 | 7♑28 | 11♒ 6 | 4♑54 | 8♌43 | 26♐17 | 28♏12 | 6♋59 | 7♐55 | 26♍39 | 22♓ 9 | 23♓42 | 14♑46 | 3♈52 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s57 | 25s37 | 4s43 | 23s20 | 2s16 | 17s29 | 2n20 | 18n42 | 3n36 | 22s22 | 0n36 | 17s 0 | 2n 9 | 23n20 | 0n16 | 19s49 | 1n35 | 13n47 | 13n42 | 2s 3 | 1s52 | 27s45 | 3n56 | 3n 0 |
| F 2 | 22 52 | 27 36 | 4 58 | 23 2 | 2 15 | 17 45 | 2 19 | 18 47 | 3 39 | 22 23 | 0 36 | 17 2 | 2 9 | 23 20 | 0 16 | 19 49 | 1 35 | 13 47 | 13 42 | 2 8 | 1 53 | 27 45 | 3 56 | 3 0 |
| S 3 | 22 47 | 28 18 | 4 59 | 22 44 | 2 14 | 18 1 | 2 18 | 18 53 | 3 41 | 22 24 | 0 36 | 17 3 | 2 9 | 23 21 | 0 16 | 19 50 | 1 35 | 13 48 | 13 43 | 2 14 | 1 54 | 27 44 | 3 57 | 3 0 |
| S 4 | 22 42 | 27 42 | 4 48 | 22 24 | 2 12 | 18 16 | 2 17 | 18 59 | 3 44 | 22 25 | 0 35 | 17 4 | 2 10 | 23 21 | 0 16 | 19 50 | 1 35 | 13 48 | 13 43 | 2 19 | 1 56 | 27 43 | 3 57 | 3 0 |
| M 5 | 22 36 | 25 49 | 4 25 | 22 3 | 2 10 | 18 31 | 2 16 | 19 6 | 3 47 | 22 26 | 0 35 | 17 5 | 2 10 | 23 21 | 0 16 | 19 50 | 1 35 | 13 49 | 13 44 | 2 24 | 1 57 | 27 42 | 3 57 | 2 59 |
| T 6 | 22 29 | 22 48 | 3 49 | 21 40 | 2 7 | 18 45 | 2 15 | 19 12 | 3 49 | 22 26 | 0 35 | 17 6 | 2 10 | 23 21 | 0 16 | 19 50 | 1 35 | 13 49 | 13 44 | 2 29 | 1 58 | 27 41 | 3 57 | 2 59 |
| W 7 | 22 22 | 18 50 | 3 4 | 21 17 | 2 3 | 18 59 | 2 13 | 19 19 | 3 52 | 22 27 | 0 35 | 17 8 | 2 10 | 23 21 | 0 16 | 19 51 | 1 36 | 13 50 | 13 45 | 2 33 | 1 59 | 27 40 | 3 58 | 2 59 |
| T 8 | 22 15 | 14 5 | 2 10 | 20 52 | 1 59 | 19 12 | 2 12 | 19 26 | 3 54 | 22 28 | 0 35 | 17 9 | 2 10 | 23 21 | 0 16 | 19 51 | 1 36 | 13 50 | 13 45 | 2 35 | 2 1 | 27 39 | 3 58 | 2 59 |
| F 9 | 22 7 | 8 44 | 1 9 | 20 27 | 1 54 | 19 25 | 2 10 | 19 33 | 3 57 | 22 29 | 0 35 | 17 10 | 2 10 | 23 22 | 0 16 | 19 51 | 1 36 | 13 51 | 13 46 | 2 36 | 2 2 | 27 38 | 3 58 | 2 58 |
| S 10 | 21 58 | 3 0 | 0 4 | 20 0 | 1 48 | 19 38 | 2 9 | 19 40 | 3 59 | 22 30 | 0 35 | 17 11 | 2 10 | 23 22 | 0 16 | 19 52 | 1 36 | 13 51 | 13 46 | 2 37 | 2 3 | 27 38 | 3 59 | 2 58 |
| S 11 | 21 50 | 2n59 | 1n 2 | 19 33 | 1 42 | 19 50 | 2 7 | 19 47 | 4 1 | 22 30 | 0 35 | 17 12 | 2 11 | 23 22 | 0 16 | 19 52 | 1 36 | 13 52 | 13 47 | 2 36 | 2 4 | 27 37 | 3 59 | 2 58 |
| M12 | 21 41 | 8 59 | 2 7 | 19 6 | 1 34 | 20 1 | 2 6 | 19 55 | 4 3 | 22 31 | 0 35 | 17 13 | 2 11 | 23 22 | 0 16 | 19 52 | 1 36 | 13 53 | 13 47 | 2 36 | 2 6 | 27 36 | 4 0 | 2 58 |
| T 13 | 21 31 | 14 47 | 3 8 | 18 38 | 1 26 | 20 12 | 2 4 | 20 2 | 4 6 | 22 32 | 0 35 | 17 14 | 2 11 | 23 22 | 0 16 | 19 52 | 1 36 | 13 53 | 13 48 | 2 36 | 2 7 | 27 35 | 4 0 | 2 58 |
| W14 | 21 21 | 20 3 | 3 59 | 18 9 | 1 16 | 20 23 | 2 2 | 20 10 | 4 8 | 22 33 | 0 35 | 17 15 | 2 11 | 23 22 | 0 16 | 19 53 | 1 36 | 13 54 | 13 48 | 2 37 | 2 8 | 27 34 | 4 1 | 2 57 |
| T 15 | 21 11 | 24 24 | 4 38 | 17 41 | 1 6 | 20 32 | 2 0 | 20 17 | 4 10 | 22 33 | 0 35 | 17 16 | 2 11 | 23 23 | 0 16 | 19 53 | 1 36 | 13 54 | 13 49 | 2 39 | 2 9 | 27 33 | 4 1 | 2 57 |
| F 16 | 21 0 | 27 19 | 5 1 | 17 13 | 0 54 | 20 42 | 1 58 | 20 25 | 4 12 | 22 34 | 0 35 | 17 17 | 2 11 | 23 23 | 0 16 | 19 53 | 1 36 | 13 55 | 13 49 | 2 42 | 2 11 | 27 32 | 4 2 | 2 57 |
| S 17 | 20 49 | 28 22 | 5 3 | 16 45 | 0 41 | 20 51 | 1 56 | 20 33 | 4 14 | 22 35 | 0 35 | 17 18 | 2 11 | 23 23 | 0 16 | 19 53 | 1 36 | 13 56 | 13 49 | 2 45 | 2 12 | 27 31 | 4 2 | 2 57 |
| S 18 | 20 37 | 27 18 | 4 44 | 16 19 | 0 28 | 20 59 | 1 54 | 20 41 | 4 15 | 22 35 | 0 35 | 17 19 | 2 12 | 23 23 | 0 16 | 19 53 | 1 36 | 13 56 | 13 50 | 2 48 | 2 13 | 27 30 | 4 3 | 2 56 |
| M19 | 20 25 | 24 10 | 4 5 | 15 54 | 0 13 | 21 7 | 1 51 | 20 49 | 4 17 | 22 36 | 0 35 | 17 20 | 2 12 | 23 23 | 0 16 | 19 54 | 1 36 | 13 57 | 13 50 | 2 52 | 2 14 | 27 29 | 4 3 | 2 56 |
| T 20 | 20 13 | 19 23 | 3 9 | 15 30 | 0n 3 | 21 14 | 1 49 | 20 57 | 4 19 | 22 36 | 0 35 | 17 21 | 2 12 | 23 23 | 0 16 | 19 54 | 1 36 | 13 58 | 13 51 | 2 55 | 2 16 | 27 28 | 4 4 | 2 56 |
| W21 | 20 0 | 13 29 | 2 0 | 15 8 | 0 19 | 21 20 | 1 47 | 21 5 | 4 20 | 22 37 | 0 35 | 17 21 | 2 12 | 23 23 | 0 16 | 19 54 | 1 36 | 13 58 | 13 51 | 2 56 | 2 17 | 27 27 | 4 4 | 2 56 |
| T 22 | 19 47 | 6 59 | 0 46 | 14 49 | 0 37 | 21 26 | 1 44 | 21 13 | 4 21 | 22 37 | 0 35 | 17 22 | 2 12 | 23 23 | 0 16 | 19 54 | 1 36 | 13 59 | 13 52 | 2 57 | 2 18 | 27 26 | 4 5 | 2 56 |
| F 23 | 19 33 | 0 22 | 0s29 | 14 32 | 0 55 | 21 32 | 1 42 | 21 20 | 4 23 | 22 38 | 0 35 | 17 23 | 2 12 | 23 24 | 0 16 | 19 54 | 1 36 | 14 0 | 13 52 | 2 57 | 2 19 | 27 25 | 4 6 | 2 55 |
| S 24 | 19 19 | 6s 3 | 1 40 | 14 19 | 1 14 | 21 37 | 1 39 | 21 28 | 4 24 | 22 38 | 0 35 | 17 24 | 2 13 | 23 24 | 0 16 | 19 55 | 1 36 | 14 0 | 13 52 | 2 57 | 2 21 | 27 24 | 4 6 | 2 55 |
| S 25 | 19 5 | 12 0 | 2 44 | 14 9 | 1 33 | 21 41 | 1 37 | 21 36 | 4 25 | 22 39 | 0 35 | 17 25 | 2 13 | 23 24 | 0 16 | 19 55 | 1 36 | 14 1 | 13 53 | 2 56 | 2 22 | 27 23 | 4 7 | 2 55 |
| M26 | 18 51 | 17 17 | 3 37 | 14 2 | 1 51 | 21 44 | 1 34 | 21 43 | 4 26 | 22 39 | 0 35 | 17 25 | 2 13 | 23 24 | 0 16 | 19 55 | 1 36 | 14 2 | 13 53 | 2 56 | 2 23 | 27 22 | 4 8 | 2 55 |
| T 27 | 18 36 | 21 42 | 4 19 | 13 59 | 2 9 | 21 47 | 1 32 | 21 51 | 4 27 | 22 40 | 0 35 | 17 26 | 2 13 | 23 24 | 0 16 | 19 55 | 1 36 | 14 2 | 13 54 | 2 57 | 2 24 | 27 21 | 4 8 | 2 55 |
| W28 | 18 20 | 25 7 | 4 48 | 14 0 | 2 26 | 21 50 | 1 29 | 21 58 | 4 28 | 22 40 | 0 35 | 17 27 | 2 13 | 23 24 | 0 16 | 19 55 | 1 36 | 14 3 | 13 54 | 2 58 | 2 26 | 27 20 | 4 9 | 2 54 |
| T 29 | 18 5 | 27 22 | 5 5 | 14 4 | 2 42 | 21 51 | 1 26 | 22 5 | 4 28 | 22 40 | 0 35 | 17 28 | 2 14 | 23 24 | 0 16 | 19 56 | 1 36 | 14 4 | 13 54 | 3 0 | 2 27 | 27 19 | 4 10 | 2 54 |
| F 30 | 17 49 | 28 22 | 5 8 | 14 11 | 2 56 | 21 53 | 1 24 | 22 12 | 4 29 | 22 41 | 0 35 | 17 28 | 2 14 | 23 24 | 0 16 | 19 56 | 1 36 | 14 5 | 13 55 | 3 3 | 2 28 | 27 18 | 4 11 | 2 54 |
| S 31 | 17s32 | 28s 3 | 4s57 | 14s21 | 3n 7 | 21s53 | 1n21 | 22n19 | 4n29 | 22s41 | 0n35 | 17s29 | 2n14 | 23n25 | 0n16 | 19s56 | 1n36 | 14n 5 | 13n55 | 3s 6 | 2s29 | 27s17 | 4n11 | 2n54 |

Julian Day Number = 2800716.5, Delta T = 50m12s
Ecliptic obliquity = 23°19'04, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°07'19, Lahiri = 37°14'20


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# ASTRODIENST EPHEMERIS for the year 2956
# geocentric

## FEBRUARY 2956 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 44 10 | 11♒26'05 | 19♉20 | 9°R47 | 6♉ 8 | 8°R19 | 26♐28 | 28♏15 | 6°R57 | 7♐56 | 26°R38 | 22°R 1 | 23♓39 | 14♉52 | 3♈55 | S 1 |
| M 2 | 8 48 7 | 12°27'10 | 1♒13 | 8♒29 | 7°21 | 7♌55 | 26°40 | 28°19 | 6♋55 | 7°57 | 26♍37 | 21♓53 | 23°36 | 14°59 | 3°57 | M 2 |
| T 3 | 8 52 4 | 13°28'15 | 13°11 | 7°14 | 8°34 | 7°32 | 26°51 | 28°22 | 6°53 | 7°59 | 26°36 | 21°46 | 23°32 | 15° 6 | 4° 0 | T 3 |
| W 4 | 8 56 0 | 14°29'19 | 25°13 | 6° 5 | 9°48 | 7° 9 | 27° 2 | 28°26 | 6°51 | 8° 0 | 26°35 | 21°41 | 23°29 | 15°12 | 4° 2 | W 4 |
| T 5 | 8 59 57 | 15°30'22 | 7♓23 | 5° 2 | 11° 1 | 6°46 | 27°13 | 28°29 | 6°49 | 8° 1 | 26°33 | 21°38 | 23°26 | 15°19 | 4° 5 | T 5 |
| F 6 | 9 3 53 | 16°31'25 | 19°42 | 4° 7 | 12°15 | 6°23 | 27°24 | 28°32 | 6°47 | 8° 2 | 26°32 | 21°D37 | 23°23 | 15°26 | 4° 8 | F 6 |
| S 7 | 9 7 50 | 17°32'27 | 2♈10 | 3°21 | 13°29 | 6° 1 | 27°34 | 28°35 | 6°46 | 8° 3 | 26°31 | 21°38 | 23°20 | 15°33 | 4°10 | S 7 |
| S 8 | 9 11 46 | 18°33'28 | 14°52 | 2°44 | 14°42 | 5°40 | 27°45 | 28°38 | 6°44 | 8° 4 | 26°30 | 21°39 | 23°17 | 15°39 | 4°13 | S 8 |
| M 9 | 9 15 43 | 19°34'28 | 27°50 | 2°16 | 15°56 | 5°18 | 27°56 | 28°41 | 6°42 | 8° 5 | 26°29 | 21°41 | 23°13 | 15°46 | 4°16 | M 9 |
| T 10 | 9 19 39 | 20°35'27 | 11♉ 5 | 1°58 | 17° 9 | 4°58 | 28° 6 | 28°44 | 6°41 | 8° 6 | 26°28 | 21°42 | 23°10 | 15°53 | 4°19 | T 10 |
| W11 | 9 23 36 | 21°36'25 | 24°42 | 1°48 | 18°23 | 4°38 | 28°17 | 28°47 | 6°39 | 8° 7 | 26°27 | 21°R42 | 23° 7 | 15°59 | 4°22 | W11 |
| T 12 | 9 27 33 | 22°37'22 | 8♊40 | 1°D46 | 19°37 | 4°18 | 28°27 | 28°50 | 6°37 | 8° 8 | 26°25 | 21°41 | 23° 4 | 16° 6 | 4°25 | T 12 |
| F 13 | 9 31 29 | 23°38'18 | 23° 0 | 1°52 | 20°51 | 3°59 | 28°37 | 28°52 | 6°36 | 8° 9 | 26°24 | 21°39 | 23° 1 | 16°13 | 4°28 | F 13 |
| S 14 | 9 35 26 | 24°39'13 | 7♋39 | 2° 5 | 22° 4 | 3°41 | 28°47 | 28°55 | 6°34 | 8°10 | 26°23 | 21°36 | 22°58 | 16°20 | 4°31 | S 14 |
| S 15 | 9 39 22 | 25°40'07 | 22°33 | 2°25 | 23°18 | 3°23 | 28°57 | 28°57 | 6°33 | 8°11 | 26°22 | 21°32 | 22°54 | 16°26 | 4°34 | S 15 |
| M16 | 9 43 19 | 26°40'59 | 7♌32 | 2°51 | 24°32 | 3° 6 | 29° 7 | 28°59 | 6°32 | 8°11 | 26°20 | 21°28 | 22°51 | 16°33 | 4°37 | M16 |
| T 17 | 9 47 15 | 27°41'51 | 22°30 | 3°22 | 25°46 | 2°50 | 29°17 | 29° 1 | 6°30 | 8°12 | 26°19 | 21°25 | 22°48 | 16°40 | 4°40 | T 17 |
| W18 | 9 51 12 | 28°42'41 | 7♍16 | 3°59 | 27° 0 | 2°34 | 29°27 | 29° 3 | 6°29 | 8°13 | 26°18 | 21°24 | 22°45 | 16°46 | 4°43 | W18 |
| T 19 | 9 55 8 | 29°43'30 | 21°44 | 4°40 | 28°14 | 2°20 | 29°36 | 29° 5 | 6°28 | 8°13 | 26°16 | 21°D23 | 22°42 | 16°53 | 4°46 | T 19 |
| F 20 | 9 59 5 | 0♓44'19 | 5♎49 | 5°26 | 29°27 | 2° 6 | 29°46 | 29° 7 | 6°26 | 8°14 | 26°15 | 21°24 | 22°38 | 17° 0 | 4°49 | F 20 |
| S 21 | 10 3 2 | 1°45'06 | 19°28 | 6°15 | 0♒41 | 1°52 | 29°55 | 29° 9 | 6°25 | 8°15 | 26°13 | 21°25 | 22°35 | 17° 7 | 4°52 | S 21 |
| S 22 | 10 6 58 | 2°45'53 | 2♏41 | 7° 8 | 1°55 | 1°40 | 0♉ 5 | 29°11 | 6°24 | 8°15 | 26°12 | 21°26 | 22°32 | 17°13 | 4°56 | S 22 |
| M23 | 10 10 55 | 3°46'39 | 15°30 | 8° 4 | 3° 9 | 1°28 | 0°14 | 29°12 | 6°23 | 8°16 | 26°11 | 21°28 | 22°29 | 17°20 | 4°59 | M23 |
| T 24 | 10 14 51 | 4°47'24 | 27°58 | 9° 4 | 4°23 | 1°17 | 0°23 | 29°14 | 6°22 | 8°16 | 26° 9 | 21°28 | 22°26 | 17°27 | 5° 2 | T 24 |
| W25 | 10 18 48 | 5°48'08 | 10♐10 | 10° 6 | 5°37 | 1° 7 | 0°32 | 29°15 | 6°21 | 8°17 | 26° 8 | 21°R29 | 22°23 | 17°33 | 5° 5 | W25 |
| T 26 | 10 22 44 | 6°48'51 | 22°10 | 11°10 | 6°51 | 0°57 | 0°41 | 29°16 | 6°20 | 8°17 | 26° 6 | 21°28 | 22°19 | 17°40 | 5° 9 | T 26 |
| F 27 | 10 26 41 | 7°49'33 | 4♉ 4 | 12°17 | 8° 5 | 0°49 | 0°49 | 29°17 | 6°19 | 8°18 | 26° 5 | 21°27 | 22°16 | 17°47 | 5°12 | F 27 |
| S 28 | 10 30 37 | 8°50'14 | 15°54 | 13°25 | 9°19 | 0°41 | 0°58 | 29°18 | 6°18 | 8°18 | 26° 3 | 21°25 | 22°13 | 17°53 | 5°15 | S 28 |
| S 29 | 10 34 34 | 9♓50'54 | 27♉46 | 14♒36 | 10♒34 | 0♌34 | 1♉ 6 | 29♏19 | 6♋18 | 8♐18 | 26♍ 2 | 21♓23 | 22♓10 | 18♉ 0 | 5♈19 | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17s16 | 26s28 | 4s34 | 14s33 | 3n16 | 21s53 | 1n18 | 22n26 | 4n29 | 22s41 | 0n35 | 17s29 | 2n14 | 23n25 | 0n16 | 19s56 | 1n36 | 14n 6 | 13n56 | 3s 9 | 2s31 | 27s16 | 4n12 | 2n54 |
| M 2 | 16 59 | 23 41 | 3 59 | 14 47 | 3 23 | 21 52 | 1 15 | 22 32 | 4 29 | 22 42 | 0 35 | 17 30 | 2 14 | 23 25 | 0 16 | 19 56 | 1 37 | 14 7 | 13 56 | 3 12 | 2 32 | 27 15 | 4 13 | 2 53 |
| T 3 | 16 42 | 19 52 | 3 14 | 15 1 | 3 27 | 21 51 | 1 12 | 22 38 | 4 30 | 22 42 | 0 35 | 17 31 | 2 14 | 23 25 | 0 16 | 19 56 | 1 37 | 14 8 | 13 56 | 3 15 | 2 33 | 27 13 | 4 14 | 2 53 |
| W 4 | 16 24 | 15 13 | 2 19 | 15 17 | 3 29 | 21 48 | 1 9 | 22 44 | 4 29 | 22 42 | 0 35 | 17 31 | 2 15 | 23 25 | 0 16 | 19 56 | 1 37 | 14 8 | 13 57 | 3 17 | 2 34 | 27 12 | 4 15 | 2 53 |
| T 5 | 16 6 | 9 57 | 1 17 | 15 32 | 3 28 | 21 46 | 1 6 | 22 50 | 4 29 | 22 43 | 0 35 | 17 32 | 2 15 | 23 25 | 0 16 | 19 57 | 1 37 | 14 9 | 13 57 | 3 18 | 2 36 | 27 11 | 4 16 | 2 53 |
| F 6 | 15 48 | 4 13 | 0 11 | 15 48 | 3 25 | 21 42 | 1 3 | 22 55 | 4 29 | 22 43 | 0 35 | 17 32 | 2 15 | 23 25 | 0 16 | 19 57 | 1 37 | 14 10 | 13 57 | 3 18 | 2 37 | 27 10 | 4 17 | 2 53 |
| S 7 | 15 30 | 1n44 | 0n57 | 16 3 | 3 21 | 21 38 | 1 0 | 23 1 | 4 29 | 22 43 | 0 35 | 17 33 | 2 15 | 23 25 | 0 16 | 19 57 | 1 37 | 14 11 | 13 58 | 3 18 | 2 38 | 27 9 | 4 17 | 2 52 |
| S 8 | 15 11 | 7 44 | 2 4 | 16 18 | 3 14 | 21 34 | 0 57 | 23 5 | 4 28 | 22 43 | 0 35 | 17 33 | 2 15 | 23 25 | 0 16 | 19 57 | 1 37 | 14 11 | 13 58 | 3 18 | 2 39 | 27 8 | 4 18 | 2 52 |
| M 9 | 14 52 | 13 32 | 3 5 | 16 31 | 3 7 | 21 28 | 0 54 | 23 10 | 4 28 | 22 43 | 0 35 | 17 34 | 2 16 | 23 25 | 0 16 | 19 57 | 1 37 | 14 12 | 13 58 | 3 17 | 2 41 | 27 7 | 4 19 | 2 52 |
| T 10 | 14 33 | 18 51 | 3 58 | 16 44 | 2 58 | 21 23 | 0 51 | 23 15 | 4 27 | 22 44 | 0 35 | 17 34 | 2 16 | 23 25 | 0 16 | 19 57 | 1 37 | 14 13 | 13 59 | 3 17 | 2 42 | 27 6 | 4 20 | 2 52 |
| W11 | 14 14 | 23 22 | 4 39 | 16 55 | 2 48 | 21 16 | 0 48 | 23 19 | 4 26 | 22 44 | 0 35 | 17 34 | 2 16 | 23 26 | 0 16 | 19 57 | 1 37 | 14 14 | 13 59 | 3 16 | 2 43 | 27 4 | 4 21 | 2 52 |
| T 12 | 13 54 | 26 40 | 5 5 | 17 6 | 2 38 | 21 9 | 0 45 | 23 23 | 4 25 | 22 44 | 0 35 | 17 35 | 2 16 | 23 26 | 0 16 | 19 57 | 1 37 | 14 14 | 13 59 | 3 17 | 2 44 | 27 3 | 4 22 | 2 51 |
| F 13 | 13 34 | 28 21 | 5 13 | 17 15 | 2 27 | 21 1 | 0 42 | 23 26 | 4 24 | 22 44 | 0 35 | 17 35 | 2 16 | 23 26 | 0 16 | 19 57 | 1 37 | 14 15 | 14 0 | 3 18 | 2 46 | 27 2 | 4 23 | 2 51 |
| S 14 | 13 14 | 28 6 | 5 1 | 17 23 | 2 16 | 20 53 | 0 39 | 23 30 | 4 23 | 22 44 | 0 35 | 17 35 | 2 17 | 23 26 | 0 16 | 19 58 | 1 37 | 14 16 | 14 0 | 3 19 | 2 47 | 27 1 | 4 24 | 2 51 |
| S 15 | 12 54 | 25 52 | 4 29 | 17 30 | 2 5 | 20 44 | 0 36 | 23 33 | 4 22 | 22 44 | 0 35 | 17 36 | 2 17 | 23 26 | 0 16 | 19 58 | 1 37 | 14 17 | 14 0 | 3 21 | 2 48 | 27 0 | 4 25 | 2 51 |
| M16 | 12 33 | 21 48 | 3 38 | 17 35 | 1 53 | 20 34 | 0 33 | 23 36 | 4 21 | 22 44 | 0 35 | 17 36 | 2 17 | 23 26 | 0 16 | 19 58 | 1 37 | 14 18 | 14 1 | 3 22 | 2 49 | 26 59 | 4 26 | 2 51 |
| T 17 | 12 13 | 16 21 | 2 32 | 17 39 | 1 42 | 20 24 | 0 30 | 23 38 | 4 20 | 22 44 | 0 35 | 17 36 | 2 17 | 23 26 | 0 16 | 19 58 | 1 37 | 14 18 | 14 1 | 3 23 | 2 51 | 26 57 | 4 27 | 2 51 |
| W18 | 11 52 | 9 59 | 1 17 | 17 42 | 1 30 | 20 13 | 0 27 | 23 41 | 4 18 | 22 44 | 0 35 | 17 36 | 2 18 | 23 26 | 0 16 | 19 58 | 1 37 | 14 19 | 14 1 | 3 24 | 2 52 | 26 56 | 4 28 | 2 50 |
| T 19 | 11 31 | 3 14 | 0s 2 | 17 43 | 1 19 | 20 2 | 0 24 | 23 43 | 4 17 | 22 44 | 0 35 | 17 37 | 2 18 | 23 26 | 0 16 | 19 58 | 1 37 | 14 20 | 14 1 | 3 24 | 2 53 | 26 55 | 4 30 | 2 50 |
| F 20 | 11 9 | 3s30 | 1 19 | 17 43 | 1 8 | 19 50 | 0 20 | 23 44 | 4 15 | 22 44 | 0 35 | 17 37 | 2 18 | 23 26 | 0 16 | 19 58 | 1 37 | 14 21 | 14 2 | 3 24 | 2 54 | 26 54 | 4 31 | 2 50 |
| S 21 | 10 48 | 9 52 | 2 29 | 17 42 | 0 57 | 19 37 | 0 17 | 23 46 | 4 14 | 22 44 | 0 35 | 17 37 | 2 18 | 23 26 | 0 16 | 19 58 | 1 37 | 14 21 | 14 2 | 3 23 | 2 56 | 26 52 | 4 32 | 2 50 |
| S 22 | 10 26 | 15 36 | 3 28 | 17 39 | 0 46 | 19 24 | 0 14 | 23 47 | 4 12 | 22 44 | 0 35 | 17 37 | 2 18 | 23 26 | 0 16 | 19 58 | 1 38 | 14 22 | 14 2 | 3 23 | 2 57 | 26 51 | 4 33 | 2 50 |
| M23 | 10 4 | 20 29 | 4 16 | 17 35 | 0 35 | 19 10 | 0 11 | 23 48 | 4 11 | 22 44 | 0 35 | 17 37 | 2 19 | 23 26 | 0 16 | 19 58 | 1 38 | 14 23 | 14 3 | 3 22 | 2 58 | 26 50 | 4 34 | 2 50 |
| T 24 | 9 42 | 24 19 | 4 50 | 17 30 | 0 25 | 18 56 | 0 8 | 23 49 | 4 9 | 22 44 | 0 35 | 17 37 | 2 19 | 23 26 | 0 16 | 19 58 | 1 38 | 14 24 | 14 3 | 3 22 | 2 59 | 26 49 | 4 35 | 2 50 |
| W25 | 9 20 | 26 58 | 5 10 | 17 23 | 0 15 | 18 41 | 0 5 | 23 50 | 4 7 | 22 44 | 0 35 | 17 37 | 2 19 | 23 26 | 0 16 | 19 58 | 1 38 | 14 25 | 14 3 | 3 22 | 3 1 | 26 47 | 4 36 | 2 49 |
| T 26 | 8 58 | 28 21 | 5 16 | 17 15 | 0 5 | 18 26 | 0 2 | 23 50 | 4 6 | 22 44 | 0 35 | 17 38 | 2 19 | 23 26 | 0 16 | 19 58 | 1 38 | 14 25 | 14 3 | 3 22 | 3 2 | 26 46 | 4 38 | 2 49 |
| F 27 | 8 36 | 28 24 | 5 8 | 17 6 | 0s 5 | 18 10 | 0s 1 | 23 50 | 4 4 | 22 44 | 0 35 | 17 38 | 2 19 | 23 26 | 0 16 | 19 58 | 1 38 | 14 26 | 14 3 | 3 23 | 3 3 | 26 45 | 4 39 | 2 49 |
| S 28 | 8 13 | 27 8 | 4 48 | 16 56 | 0 14 | 17 53 | 0 4 | 23 50 | 4 2 | 22 44 | 0 35 | 17 38 | 2 20 | 23 26 | 0 16 | 19 58 | 1 38 | 14 27 | 14 4 | 3 23 | 3 4 | 26 44 | 4 40 | 2 49 |
| S 29 | 7s50 | 24s40 | 4s15 | 16s44 | 0s23 | 17s36 | 0s 6 | 23n50 | 4n 0 | 22s44 | 0n35 | 17s38 | 2n20 | 23n27 | 0n16 | 19s58 | 1n38 | 14n28 | 14n 4 | 3s24 | 3s 6 | 26s42 | 4n41 | 2n49 |

Julian Day Number = 2800747.5, Delta T = 50m13s
Ecliptic obliquity = 23°19'04, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°07'23, Lahiri = 37°14'24


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# ASTRODIENST EPHEMERIS for the year 2956
# geocentric

## MARCH 2956 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 38 31 | 10♓51'33 | 9♒42 | 15♒49 | 11♒48 | 0°R28 | 1♉15 | 29♏20 | 6°R17 | 8♐19 | 26°R 0 | 21°R21 | 22♓ 7 | 18♉ 7 | 5♈22 | M 1 |
| T 2 | 10 42 27 | 11°52'10 | 21°46 | 17° 3 | 13° 2 | 0♌22 | 1°23 | 29°21 | 6♋16 | 8°19 | 25♍59 | 21♓20 | 22° 4 | 18°14 | 5°25 | T 2 |
| W 3 | 10 46 24 | 12°52'46 | 3♓59 | 18°19 | 14°16 | 0°18 | 1°31 | 29°21 | 6°16 | 8°19 | 25°57 | 21°19 | 22° 0 | 18°20 | 5°29 | W 3 |
| T 4 | 10 50 20 | 13°53'21 | 16°23 | 19°37 | 15°30 | 0°14 | 1°39 | 29°22 | 6°15 | 8°19 | 25°56 | 21°D19 | 21°57 | 18°27 | 5°32 | T 4 |
| F 5 | 10 54 17 | 14°53'54 | 28°59 | 20°56 | 16°44 | 0°11 | 1°47 | 29°22 | 6°15 | 8°20 | 25°54 | 21°19 | 21°54 | 18°34 | 5°36 | F 5 |
| S 6 | 10 58 13 | 15°54'25 | 11♈47 | 22°16 | 17°58 | 0° 9 | 1°54 | 29°22 | 6°14 | 8°20 | 25°53 | 21°19 | 21°51 | 18°40 | 5°39 | S 6 |
| S 7 | 11 2 10 | 16°54'56 | 24°49 | 23°38 | 19°12 | 0° 7 | 2° 2 | 29°23 | 6°14 | 8°20 | 25°51 | 21°19 | 21°48 | 18°47 | 5°43 | S 7 |
| M 8 | 11 6 6 | 17°55'24 | 8♉ 4 | 25° 1 | 20°27 | 0°D 6 | 2° 9 | 29°R23 | 6°13 | 8°20 | 25°50 | 21°20 | 21°44 | 18°54 | 5°46 | M 8 |
| T 9 | 11 10 3 | 18°55'51 | 21°33 | 26°25 | 21°41 | 0° 6 | 2°17 | 29°23 | 6°13 | 8°20 | 25°48 | 21°20 | 21°41 | 19° 1 | 5°50 | T 9 |
| W10 | 11 14 0 | 19°56'15 | 5♊16 | 27°50 | 22°55 | 0° 7 | 2°24 | 29°23 | 6°13 | 8°R20 | 25°47 | 21°20 | 21°38 | 19° 7 | 5°53 | W10 |
| T 11 | 11 17 56 | 20°56'38 | 19°12 | 29°17 | 24° 9 | 0° 9 | 2°31 | 29°22 | 6°13 | 8°20 | 25°45 | 21°20 | 21°35 | 19°14 | 5°57 | T 11 |
| F 12 | 11 21 53 | 21°57'00 | 3♋20 | 0♓45 | 25°23 | 0°11 | 2°37 | 29°22 | 6°13 | 8°20 | 25°43 | 21°20 | 21°32 | 19°21 | 6° 1 | F 12 |
| S 13 | 11 25 49 | 22°57'19 | 17°40 | 2°14 | 26°37 | 0°14 | 2°44 | 29°22 | 6°12 | 8°20 | 25°42 | 21°20 | 21°29 | 19°27 | 6° 4 | S 13 |
| S 14 | 11 29 46 | 23°57'36 | 2♌ 7 | 3°44 | 27°52 | 0°18 | 2°51 | 29°21 | 6°D12 | 8°20 | 25°40 | 21°21 | 21°25 | 19°34 | 6° 8 | S 14 |
| M15 | 11 33 42 | 24°57'51 | 16°38 | 5°15 | 29° 6 | 0°22 | 2°57 | 29°20 | 6°12 | 8°20 | 25°39 | 21°21 | 21°22 | 19°41 | 6°11 | M15 |
| T 16 | 11 37 39 | 25°58'05 | 1♍ 8 | 6°47 | 0♓20 | 0°27 | 3° 3 | 29°20 | 6°13 | 8°19 | 25°37 | 21°21 | 21°19 | 19°47 | 6°15 | T 16 |
| W17 | 11 41 35 | 26°58'16 | 15°31 | 8°20 | 1°34 | 0°33 | 3° 9 | 29°19 | 6°13 | 8°19 | 25°36 | 21°R22 | 21°16 | 19°54 | 6°19 | W17 |
| T 18 | 11 45 32 | 27°58'25 | 29°42 | 9°54 | 2°48 | 0°39 | 3°15 | 29°18 | 6°13 | 8°19 | 25°34 | 21°21 | 21°13 | 20° 1 | 6°22 | T 18 |
| F 19 | 11 49 29 | 28°58'33 | 13♎37 | 11°30 | 4° 3 | 0°46 | 3°21 | 29°17 | 6°13 | 8°19 | 25°32 | 21°21 | 21° 9 | 20° 8 | 6°26 | F 19 |
| S 20 | 11 53 25 | 29°58'39 | 27°12 | 13° 6 | 5°17 | 0°54 | 3°27 | 29°16 | 6°13 | 8°18 | 25°31 | 21°20 | 21° 6 | 20°14 | 6°29 | S 20 |
| S 21 | 11 57 22 | 0♈58'44 | 10♏25 | 14°43 | 6°31 | 1° 2 | 3°32 | 29°14 | 6°14 | 8°18 | 25°29 | 21°19 | 21° 3 | 20°21 | 6°33 | S 21 |
| M22 | 12 1 18 | 1°58'47 | 23°17 | 16°22 | 7°45 | 1°11 | 3°37 | 29°13 | 6°14 | 8°17 | 25°28 | 21°18 | 21° 0 | 20°28 | 6°37 | M22 |
| T 23 | 12 5 15 | 2°58'48 | 5♐50 | 18° 2 | 8°59 | 1°20 | 3°42 | 29°11 | 6°15 | 8°17 | 25°26 | 21°16 | 20°57 | 20°34 | 6°40 | T 23 |
| W24 | 12 9 11 | 3°58'48 | 18° 6 | 19°43 | 10°14 | 1°30 | 3°47 | 29°10 | 6°15 | 8°17 | 25°25 | 21°15 | 20°54 | 20°41 | 6°44 | W24 |
| T 25 | 12 13 8 | 4°58'47 | 0♑ 9 | 21°25 | 11°28 | 1°40 | 3°52 | 29° 8 | 6°16 | 8°16 | 25°23 | 21°D15 | 20°50 | 20°48 | 6°48 | T 25 |
| F 26 | 12 17 4 | 5°58'43 | 12° 4 | 23° 8 | 12°42 | 1°52 | 3°57 | 29° 7 | 6°16 | 8°16 | 25°22 | 21°15 | 20°47 | 20°55 | 6°51 | F 26 |
| S 27 | 12 21 1 | 6°58'38 | 23°55 | 24°52 | 13°56 | 2° 3 | 4° 1 | 29° 5 | 6°17 | 8°15 | 25°20 | 21°15 | 20°44 | 21° 1 | 6°55 | S 27 |
| S 28 | 12 24 58 | 7°58'32 | 5♒48 | 26°37 | 15°11 | 2°15 | 4° 6 | 29° 3 | 6°18 | 8°14 | 25°18 | 21°16 | 20°41 | 21° 8 | 6°59 | S 28 |
| M29 | 12 28 54 | 8°58'24 | 17°46 | 28°24 | 16°25 | 2°28 | 4°10 | 29° 1 | 6°18 | 8°14 | 25°17 | 21°18 | 20°38 | 21°15 | 7° 2 | M29 |
| T 30 | 12 32 51 | 9°58'14 | 29°54 | 0♈12 | 17°39 | 2°41 | 4°14 | 28°59 | 6°19 | 8°13 | 25°15 | 21°19 | 20°35 | 21°21 | 7° 6 | T 30 |
| W31 | 12 36 47 | 10♈58'02 | 12♓16 | 2♈ 1 | 18♓53 | 2♌55 | 4♉17 | 28♏56 | 6♋20 | 8♐13 | 25♍14 | 21♓20 | 20♓31 | 21♉28 | 7♈10 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7s27 | 21s 7 | 3s30 | 16s31 | 0s31 | 17s19 | 0s 9 | 23n50 | 3n58 | 22s44 | 0n35 | 17s38 | 2n20 | 23n27 | 0n16 | 19s58 | 1n38 | 14n28 | 14n 4 | 3s25 | 3s 7 | 26s41 | 4n42 | 2n49 |
| T 2 | 7 5 | 16 39 | 2 36 | 16 17 | 0 40 | 17 1 | 0 12 | 23 49 | 3 56 | 22 44 | 0 35 | 17 37 | 2 20 | 23 27 | 0 16 | 19 58 | 1 38 | 14 29 | 14 4 | 3 25 | 3 8 | 26 40 | 4 44 | 2 49 |
| W 3 | 6 42 | 11 28 | 1 35 | 16 1 | 0 48 | 16 42 | 0 15 | 23 48 | 3 54 | 22 44 | 0 35 | 17 37 | 2 20 | 23 27 | 0 16 | 19 58 | 1 38 | 14 30 | 14 4 | 3 26 | 3 9 | 26 38 | 4 45 | 2 48 |
| T 4 | 6 18 | 5 46 | 0 27 | 15 44 | 0 55 | 16 24 | 0 18 | 23 47 | 3 52 | 22 44 | 0 35 | 17 37 | 2 21 | 23 27 | 0 16 | 19 58 | 1 38 | 14 31 | 14 5 | 3 26 | 3 11 | 26 37 | 4 46 | 2 48 |
| F 5 | 5 55 | 0n15 | 0n42 | 15 26 | 1 3 | 16 4 | 0 21 | 23 46 | 3 51 | 22 44 | 0 35 | 17 37 | 2 21 | 23 27 | 0 16 | 19 58 | 1 38 | 14 31 | 14 5 | 3 26 | 3 12 | 26 36 | 4 47 | 2 48 |
| S 6 | 5 32 | 6 21 | 1 51 | 15 7 | 1 10 | 15 44 | 0 23 | 23 44 | 3 49 | 22 43 | 0 35 | 17 37 | 2 21 | 23 27 | 0 16 | 19 58 | 1 38 | 14 32 | 14 5 | 3 26 | 3 13 | 26 34 | 4 49 | 2 48 |
| S 7 | 5 8 | 12 17 | 2 55 | 14 47 | 1 17 | 15 24 | 0 26 | 23 43 | 3 47 | 22 43 | 0 35 | 17 37 | 2 21 | 23 27 | 0 16 | 19 58 | 1 38 | 14 33 | 14 5 | 3 25 | 3 14 | 26 33 | 4 50 | 2 48 |
| M 8 | 4 45 | 17 46 | 3 51 | 14 25 | 1 23 | 15 3 | 0 29 | 23 41 | 3 45 | 22 43 | 0 35 | 17 37 | 2 22 | 23 27 | 0 16 | 19 58 | 1 38 | 14 34 | 14 5 | 3 25 | 3 16 | 26 32 | 4 51 | 2 48 |
| T 9 | 4 22 | 22 29 | 4 35 | 14 3 | 1 29 | 14 42 | 0 31 | 23 39 | 3 43 | 22 43 | 0 35 | 17 36 | 2 22 | 23 27 | 0 16 | 19 58 | 1 38 | 14 34 | 14 5 | 3 25 | 3 17 | 26 30 | 4 52 | 2 48 |
| W10 | 3 58 | 26 4 | 5 5 | 13 39 | 1 35 | 14 21 | 0 34 | 23 37 | 3 41 | 22 43 | 0 35 | 17 36 | 2 22 | 23 27 | 0 16 | 19 58 | 1 38 | 14 35 | 14 5 | 3 25 | 3 18 | 26 29 | 4 54 | 2 48 |
| T 11 | 3 34 | 28 9 | 5 17 | 13 14 | 1 40 | 13 59 | 0 36 | 23 35 | 3 39 | 22 43 | 0 35 | 17 36 | 2 22 | 23 27 | 0 16 | 19 58 | 1 38 | 14 36 | 14 5 | 3 25 | 3 19 | 26 28 | 4 55 | 2 48 |
| F 12 | 3 11 | 28 27 | 5 10 | 12 47 | 1 45 | 13 36 | 0 39 | 23 32 | 3 37 | 22 43 | 0 35 | 17 36 | 2 22 | 23 27 | 0 16 | 19 58 | 1 39 | 14 37 | 14 6 | 3 25 | 3 21 | 26 26 | 4 56 | 2 47 |
| S 13 | 2 47 | 26 51 | 4 44 | 12 20 | 1 49 | 13 14 | 0 41 | 23 29 | 3 35 | 22 43 | 0 35 | 17 35 | 2 23 | 23 27 | 0 16 | 19 58 | 1 39 | 14 37 | 14 6 | 3 25 | 3 22 | 26 25 | 4 58 | 2 47 |
| S 14 | 2 23 | 23 30 | 4 0 | 11 51 | 1 54 | 12 51 | 0 44 | 23 27 | 3 33 | 22 42 | 0 35 | 17 35 | 2 23 | 23 27 | 0 16 | 19 58 | 1 39 | 14 38 | 14 6 | 3 25 | 3 23 | 26 23 | 4 59 | 2 47 |
| M15 | 1 59 | 18 39 | 3 1 | 11 22 | 1 58 | 12 27 | 0 46 | 23 24 | 3 31 | 22 42 | 0 35 | 17 35 | 2 23 | 23 27 | 0 16 | 19 57 | 1 39 | 14 39 | 14 6 | 3 25 | 3 24 | 26 22 | 5 0 | 2 47 |
| T 16 | 1 36 | 12 44 | 1 50 | 10 51 | 2 1 | 12 3 | 0 48 | 23 21 | 3 29 | 22 42 | 0 35 | 17 34 | 2 23 | 23 27 | 0 16 | 19 57 | 1 39 | 14 39 | 14 6 | 3 25 | 3 26 | 26 21 | 5 2 | 2 47 |
| W17 | 1 12 | 6 11 | 0 32 | 10 19 | 2 4 | 11 39 | 0 51 | 23 18 | 3 27 | 22 42 | 0 35 | 17 34 | 2 23 | 23 27 | 0 16 | 19 57 | 1 39 | 14 40 | 14 6 | 3 25 | 3 27 | 26 19 | 5 3 | 2 47 |
| T 18 | 0 48 | 0s35 | 0s46 | 9 47 | 2 7 | 11 15 | 0 53 | 23 14 | 3 25 | 22 42 | 0 35 | 17 34 | 2 24 | 23 27 | 0 16 | 19 57 | 1 39 | 14 41 | 14 6 | 3 25 | 3 28 | 26 18 | 5 4 | 2 47 |
| F 19 | 0 24 | 7 12 | 2 0 | 9 13 | 2 9 | 10 50 | 0 55 | 23 11 | 3 23 | 22 42 | 0 35 | 17 33 | 2 24 | 23 27 | 0 16 | 19 57 | 1 39 | 14 41 | 14 6 | 3 25 | 3 29 | 26 16 | 5 6 | 2 47 |
| S 20 | 0 1 | 13 19 | 3 6 | 8 38 | 2 11 | 10 25 | 0 57 | 23 7 | 3 21 | 22 41 | 0 35 | 17 33 | 2 24 | 23 27 | 0 16 | 19 57 | 1 39 | 14 42 | 14 6 | 3 25 | 3 31 | 26 15 | 5 7 | 2 47 |
| S 21 | 0n23 | 18 40 | 4 0 | 8 2 | 2 13 | 10 0 | 0 59 | 23 3 | 3 19 | 22 41 | 0 35 | 17 32 | 2 24 | 23 27 | 0 16 | 19 57 | 1 39 | 14 43 | 14 6 | 3 26 | 3 32 | 26 13 | 5 8 | 2 47 |
| M22 | 0 47 | 23 1 | 4 40 | 7 24 | 2 14 | 9 34 | 1 1 | 23 0 | 3 17 | 22 41 | 0 35 | 17 32 | 2 24 | 23 27 | 0 16 | 19 57 | 1 39 | 14 43 | 14 6 | 3 26 | 3 33 | 26 12 | 5 10 | 2 47 |
| T 23 | 1 11 | 26 10 | 5 5 | 6 46 | 2 14 | 9 8 | 1 3 | 22 56 | 3 15 | 22 41 | 0 35 | 17 31 | 2 25 | 23 27 | 0 16 | 19 57 | 1 39 | 14 44 | 14 6 | 3 27 | 3 34 | 26 11 | 5 11 | 2 46 |
| W24 | 1 34 | 28 2 | 5 16 | 6 7 | 2 15 | 8 42 | 1 5 | 22 51 | 3 13 | 22 41 | 0 35 | 17 31 | 2 25 | 23 27 | 0 16 | 19 57 | 1 39 | 14 45 | 14 6 | 3 27 | 3 36 | 26 9 | 5 13 | 2 46 |
| T 25 | 1 58 | 28 32 | 5 13 | 5 27 | 2 14 | 8 16 | 1 7 | 22 47 | 3 11 | 22 41 | 0 35 | 17 30 | 2 25 | 23 26 | 0 16 | 19 56 | 1 39 | 14 45 | 14 6 | 3 27 | 3 37 | 26 8 | 5 14 | 2 46 |
| F 26 | 2 22 | 27 41 | 4 56 | 4 46 | 2 14 | 7 49 | 1 9 | 22 43 | 3 9 | 22 41 | 0 35 | 17 30 | 2 25 | 23 26 | 0 16 | 19 56 | 1 39 | 14 46 | 14 6 | 3 27 | 3 38 | 26 6 | 5 15 | 2 46 |
| S 27 | 2 45 | 25 35 | 4 26 | 4 4 | 2 13 | 7 22 | 1 10 | 22 38 | 3 7 | 22 40 | 0 35 | 17 29 | 2 25 | 23 26 | 0 16 | 19 56 | 1 39 | 14 46 | 14 6 | 3 27 | 3 39 | 26 5 | 5 17 | 2 46 |
| S 28 | 3 9 | 22 22 | 3 46 | 3 21 | 2 11 | 6 55 | 1 12 | 22 34 | 3 5 | 22 40 | 0 35 | 17 29 | 2 25 | 23 26 | 0 16 | 19 56 | 1 39 | 14 47 | 14 6 | 3 27 | 3 40 | 26 3 | 5 18 | 2 46 |
| M29 | 3 32 | 18 12 | 2 55 | 2 37 | 2 9 | 6 28 | 1 13 | 22 29 | 3 3 | 22 40 | 0 35 | 17 28 | 2 26 | 23 26 | 0 16 | 19 56 | 1 39 | 14 48 | 14 6 | 3 26 | 3 42 | 26 2 | 5 19 | 2 46 |
| T 30 | 3 56 | 13 15 | 1 56 | 1 52 | 2 7 | 6 0 | 1 15 | 22 24 | 3 1 | 22 40 | 0 35 | 17 27 | 2 26 | 23 26 | 0 16 | 19 56 | 1 39 | 14 48 | 14 6 | 3 25 | 3 43 | 26 0 | 5 21 | 2 46 |
| W31 | 4n19 | 7s42 | 0s50 | 1s 6 | 2s 4 | 5s33 | 1s16 | 22n19 | 3n 0 | 22s40 | 0n35 | 17s27 | 2n26 | 23n26 | 0n16 | 19s56 | 1n39 | 14n49 | 14n 6 | 3s25 | 3s44 | 25s59 | 5n22 | 2n46 |

Julian Day Number = 2800776.5, Delta T = 50m13s
Ecliptic obliquity = 23°19'05, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°07'28, Lahiri = 37°14'28


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# ASTRODIENST EPHEMERIS for the year 2956
# geocentric

## APRIL 2956 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 40 44 | 11♈57'48 | 24♓53 | 3♈51 | 20♓ 8 | 3♌ 9 | 4♑21 | 28°R54 | 6♋21 | 8°R12 | 25°R12 | 21°R21 | 20♓28 | 21♑35 | 7♈13 | T 1 |
| F 2 | 12 44 40 | 12°57'33 | 7♈47 | 5°42 | 21°22 | 3°24 | 4°25 | 28♏52 | 6°22 | 8♐11 | 25♍11 | 21♓20 | 20°25 | 21°41 | 7°17 | F 2 |
| S 3 | 12 48 37 | 13°57'16 | 20°58 | 7°35 | 22°36 | 3°39 | 4°28 | 28°49 | 6°23 | 8°10 | 25° 9 | 21°18 | 20°22 | 21°48 | 7°21 | S 3 |
| S 4 | 12 52 33 | 14°56'57 | 4♉25 | 9°29 | 23°50 | 3°55 | 4°31 | 28°47 | 6°24 | 8°10 | 25° 8 | 21°15 | 20°19 | 21°55 | 7°24 | S 4 |
| M 5 | 12 56 30 | 15°56'35 | 18° 7 | 11°24 | 25° 4 | 4°11 | 4°34 | 28°44 | 6°25 | 8° 9 | 25° 7 | 21°11 | 20°15 | 22° 2 | 7°28 | M 5 |
| T 6 | 13 0 26 | 16°56'12 | 2♊ 0 | 13°20 | 26°19 | 4°27 | 4°36 | 28°41 | 6°26 | 8° 8 | 25° 5 | 21° 7 | 20°12 | 22° 8 | 7°32 | T 6 |
| W 7 | 13 4 23 | 17°55'47 | 16° 2 | 15°18 | 27°33 | 4°44 | 4°39 | 28°38 | 6°28 | 8° 7 | 25° 4 | 21° 4 | 20° 9 | 22°15 | 7°35 | W 7 |
| T 8 | 13 8 20 | 18°55'19 | 0♋ 9 | 17°16 | 28°47 | 5° 1 | 4°41 | 28°36 | 6°29 | 8° 6 | 25° 2 | 21° 2 | 20° 6 | 22°22 | 7°39 | T 8 |
| F 9 | 13 12 16 | 19°54'49 | 14°20 | 19°15 | 0♈ 1 | 5°19 | 4°43 | 28°33 | 6°30 | 8° 5 | 25° 1 | 21°D 0 | 20° 3 | 22°28 | 7°42 | F 9 |
| S 10 | 13 16 13 | 20°54'17 | 28°31 | 21°16 | 1°15 | 5°37 | 4°45 | 28°30 | 6°32 | 8° 4 | 24°59 | 21° 0 | 20° 0 | 22°35 | 7°46 | S 10 |
| S 11 | 13 20 9 | 21°53'42 | 12♌40 | 23°17 | 2°30 | 5°56 | 4°47 | 28°26 | 6°33 | 8° 3 | 24°58 | 21° 2 | 19°56 | 22°42 | 7°50 | S 11 |
| M12 | 13 24 6 | 22°53'05 | 26°47 | 25°19 | 3°44 | 6°15 | 4°49 | 28°23 | 6°35 | 8° 2 | 24°57 | 21° 3 | 19°53 | 22°48 | 7°53 | M12 |
| T 13 | 13 28 2 | 23°52'26 | 10♍48 | 27°22 | 4°58 | 6°34 | 4°50 | 28°20 | 6°36 | 8° 1 | 24°55 | 21° 4 | 19°50 | 22°55 | 7°57 | T 13 |
| W14 | 13 31 59 | 24°51'45 | 24°43 | 29°25 | 6°12 | 6°54 | 4°52 | 28°17 | 6°38 | 8° 0 | 24°54 | 21°R 5 | 19°47 | 23° 2 | 8° 0 | W14 |
| T 15 | 13 35 55 | 25°51'01 | 8♎28 | 1♉28 | 7°26 | 7°14 | 4°53 | 28°13 | 6°39 | 7°59 | 24°53 | 21° 3 | 19°44 | 23° 9 | 8° 4 | T 15 |
| F 16 | 13 39 52 | 26°50'15 | 22° 1 | 3°31 | 8°40 | 7°34 | 4°53 | 28°10 | 6°41 | 7°58 | 24°51 | 21° 0 | 19°41 | 23°15 | 8° 7 | F 16 |
| S 17 | 13 43 49 | 27°49'28 | 5♏20 | 5°34 | 9°54 | 7°55 | 4°54 | 28° 6 | 6°43 | 7°57 | 24°50 | 20°56 | 19°37 | 23°22 | 8°11 | S 17 |
| S 18 | 13 47 45 | 28°48'38 | 18°23 | 7°37 | 11° 9 | 8°16 | 4°55 | 28° 2 | 6°44 | 7°56 | 24°49 | 20°50 | 19°34 | 23°29 | 8°14 | S 18 |
| M19 | 13 51 42 | 29°47'47 | 1♐ 9 | 9°38 | 12°23 | 8°37 | 4°55 | 27°59 | 6°46 | 7°55 | 24°48 | 20°43 | 19°31 | 23°35 | 8°18 | M19 |
| T 20 | 13 55 38 | 0♉46'53 | 13°40 | 11°38 | 13°37 | 8°59 | 4°R55 | 27°55 | 6°48 | 7°53 | 24°46 | 20°36 | 19°28 | 23°42 | 8°21 | T 20 |
| W21 | 13 59 35 | 1°45'58 | 25°55 | 13°37 | 14°51 | 9°21 | 4°55 | 27°51 | 6°50 | 7°52 | 24°45 | 20°30 | 19°25 | 23°49 | 8°25 | W21 |
| T 22 | 14 3 31 | 2°45'02 | 7♑59 | 15°34 | 16° 5 | 9°43 | 4°55 | 27°47 | 6°52 | 7°51 | 24°44 | 20°25 | 19°21 | 23°55 | 8°28 | T 22 |
| F 23 | 14 7 28 | 3°44'03 | 19°54 | 17°28 | 17°19 | 10° 6 | 4°54 | 27°44 | 6°54 | 7°50 | 24°43 | 20°22 | 19°18 | 24° 2 | 8°31 | F 23 |
| S 24 | 14 11 24 | 4°43'03 | 1♒45 | 19°19 | 18°33 | 10°29 | 4°54 | 27°40 | 6°56 | 7°48 | 24°42 | 20°D21 | 19°15 | 24° 9 | 8°35 | S 24 |
| S 25 | 14 15 21 | 5°42'01 | 13°38 | 21° 8 | 19°47 | 10°52 | 4°53 | 27°36 | 6°58 | 7°47 | 24°41 | 20°21 | 19°12 | 24°16 | 8°38 | S 25 |
| M26 | 14 19 18 | 6°40'57 | 25°36 | 22°53 | 21° 2 | 11°15 | 4°52 | 27°31 | 7° 0 | 7°46 | 24°40 | 20°22 | 19° 9 | 24°22 | 8°41 | M26 |
| T 27 | 14 23 14 | 7°39'52 | 7♓46 | 24°35 | 22°16 | 11°39 | 4°51 | 27°27 | 7° 2 | 7°44 | 24°39 | 20°24 | 19° 6 | 24°29 | 8°45 | T 27 |
| W28 | 14 27 11 | 8°38'44 | 20°11 | 26°12 | 23°30 | 12° 3 | 4°49 | 27°23 | 7° 5 | 7°43 | 24°37 | 20°R24 | 19° 2 | 24°36 | 8°48 | W28 |
| T 29 | 14 31 7 | 9°37'35 | 2♈55 | 27°45 | 24°44 | 12°27 | 4°48 | 27°19 | 7° 7 | 7°42 | 24°36 | 20°23 | 18°59 | 24°42 | 8°51 | T 29 |
| F 30 | 14 35 4 | 10♉36'25 | 16♈ 2 | 29♉14 | 25♈58 | 12♌51 | 4♑46 | 27♏15 | 7♋ 9 | 7♐40 | 24♍35 | 20♓21 | 18♓56 | 24♑49 | 8♈55 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4n42 | 1s44 | 0n19 | 0s19 | 2s 0 | 5s 5 | 1s18 | 22n14 | 2n58 | 22s40 | 0n35 | 17s26 | 2n26 | 23n26 | 0n16 | 19s55 | 1n40 | 14n49 | 14n 6 | 3s25 | 3s45 | 25s57 | 5n24 | 2n46 |
| F 2 | 5 6 | 4n26 | 1 29 | 0n29 | 1 56 | 4 37 | 1 19 | 22 9 | 2 56 | 22 40 | 0 35 | 17 25 | 2 26 | 23 26 | 0 16 | 19 55 | 1 40 | 14 50 | 14 6 | 3 25 | 3 47 | 25 55 | 5 25 | 2 46 |
| S 3 | 5 29 | 10 33 | 2 36 | 1 17 | 1 52 | 4 9 | 1 20 | 22 4 | 2 54 | 22 39 | 0 35 | 17 25 | 2 26 | 23 26 | 0 16 | 19 55 | 1 40 | 14 50 | 14 6 | 3 26 | 3 48 | 25 54 | 5 26 | 2 46 |
| S 4 | 5 52 | 16 18 | 3 35 | 2 6 | 1 47 | 3 41 | 1 22 | 21 58 | 2 52 | 22 39 | 0 35 | 17 24 | 2 27 | 23 26 | 0 16 | 19 55 | 1 40 | 14 51 | 14 6 | 3 27 | 3 49 | 25 52 | 5 28 | 2 46 |
| M 5 | 6 15 | 21 21 | 4 23 | 2 56 | 1 41 | 3 13 | 1 23 | 21 53 | 2 51 | 22 39 | 0 35 | 17 23 | 2 27 | 23 26 | 0 16 | 19 55 | 1 40 | 14 51 | 14 6 | 3 29 | 3 50 | 25 51 | 5 29 | 2 46 |
| T 6 | 6 37 | 25 17 | 4 56 | 3 47 | 1 35 | 2 44 | 1 24 | 21 47 | 2 49 | 22 39 | 0 35 | 17 23 | 2 27 | 23 26 | 0 16 | 19 55 | 1 40 | 14 52 | 14 6 | 3 30 | 3 52 | 25 49 | 5 31 | 2 46 |
| W 7 | 7 0 | 27 46 | 5 12 | 4 38 | 1 29 | 2 16 | 1 25 | 21 41 | 2 47 | 22 39 | 0 35 | 17 22 | 2 27 | 23 26 | 0 16 | 19 54 | 1 40 | 14 52 | 14 5 | 3 31 | 3 53 | 25 48 | 5 32 | 2 46 |
| T 8 | 7 22 | 28 28 | 5 9 | 5 29 | 1 22 | 1 47 | 1 26 | 21 35 | 2 45 | 22 39 | 0 35 | 17 21 | 2 27 | 23 26 | 0 16 | 19 54 | 1 40 | 14 53 | 14 5 | 3 32 | 3 54 | 25 46 | 5 33 | 2 45 |
| F 9 | 7 45 | 27 19 | 4 48 | 6 21 | 1 14 | 1 19 | 1 26 | 21 29 | 2 44 | 22 39 | 0 35 | 17 20 | 2 27 | 23 26 | 0 16 | 19 54 | 1 40 | 14 53 | 14 5 | 3 33 | 3 55 | 25 45 | 5 35 | 2 45 |
| S 10 | 8 7 | 24 25 | 4 9 | 7 14 | 1 6 | 0 50 | 1 27 | 21 23 | 2 42 | 22 39 | 0 35 | 17 19 | 2 27 | 23 26 | 0 16 | 19 54 | 1 40 | 14 54 | 14 5 | 3 33 | 3 57 | 25 43 | 5 36 | 2 45 |
| S 11 | 8 29 | 20 2 | 3 15 | 8 7 | 0 58 | 0 22 | 1 28 | 21 17 | 2 40 | 22 39 | 0 35 | 17 19 | 2 28 | 23 26 | 0 16 | 19 54 | 1 40 | 14 54 | 14 5 | 3 32 | 3 58 | 25 41 | 5 37 | 2 45 |
| M12 | 8 51 | 14 33 | 2 9 | 8 59 | 0 49 | 0n 7 | 1 29 | 21 11 | 2 39 | 22 39 | 0 35 | 17 18 | 2 28 | 23 25 | 0 16 | 19 53 | 1 40 | 14 54 | 14 5 | 3 32 | 3 59 | 25 40 | 5 39 | 2 45 |
| T 13 | 9 13 | 8 20 | 0 56 | 9 52 | 0 39 | 0 36 | 1 29 | 21 4 | 2 37 | 22 39 | 0 35 | 17 17 | 2 28 | 23 25 | 0 16 | 19 53 | 1 40 | 14 55 | 14 5 | 3 31 | 4 0 | 25 38 | 5 40 | 2 45 |
| W14 | 9 35 | 1 47 | 0s20 | 10 45 | 0 29 | 1 5 | 1 30 | 20 58 | 2 36 | 22 39 | 0 35 | 17 16 | 2 28 | 23 25 | 0 16 | 19 53 | 1 40 | 14 55 | 14 5 | 3 31 | 4 2 | 25 36 | 5 42 | 2 45 |
| T 15 | 9 56 | 4s46 | 1 33 | 11 37 | 0 19 | 1 33 | 1 30 | 20 51 | 2 34 | 22 39 | 0 35 | 17 15 | 2 28 | 23 25 | 0 16 | 19 53 | 1 40 | 14 56 | 14 4 | 3 32 | 4 3 | 25 35 | 5 43 | 2 45 |
| F 16 | 10 18 | 11 1 | 2 40 | 12 29 | 0 9 | 2 2 | 1 30 | 20 44 | 2 32 | 22 38 | 0 35 | 17 14 | 2 28 | 23 25 | 0 16 | 19 53 | 1 40 | 14 56 | 14 4 | 3 33 | 4 4 | 25 33 | 5 44 | 2 45 |
| S 17 | 10 39 | 16 39 | 3 37 | 13 21 | 0n 2 | 2 31 | 1 31 | 20 37 | 2 31 | 22 38 | 0 35 | 17 14 | 2 28 | 23 25 | 0 16 | 19 52 | 1 40 | 14 56 | 14 4 | 3 35 | 4 5 | 25 32 | 5 46 | 2 45 |
| S 18 | 11 0 | 21 24 | 4 22 | 14 11 | 0 13 | 2 59 | 1 31 | 20 30 | 2 29 | 22 38 | 0 35 | 17 13 | 2 28 | 23 25 | 0 16 | 19 52 | 1 40 | 14 57 | 14 4 | 3 37 | 4 7 | 25 30 | 5 47 | 2 45 |
| M19 | 11 21 | 25 3 | 4 52 | 15 1 | 0 24 | 3 28 | 1 31 | 20 23 | 2 28 | 22 38 | 0 35 | 17 12 | 2 29 | 23 25 | 0 16 | 19 52 | 1 40 | 14 57 | 14 4 | 3 40 | 4 8 | 25 28 | 5 48 | 2 45 |
| T 20 | 11 41 | 27 24 | 5 7 | 15 49 | 0 36 | 3 57 | 1 31 | 20 16 | 2 26 | 22 38 | 0 35 | 17 11 | 2 29 | 23 25 | 0 16 | 19 52 | 1 40 | 14 57 | 14 3 | 3 42 | 4 9 | 25 27 | 5 50 | 2 45 |
| W21 | 12 2 | 28 23 | 5 8 | 16 36 | 0 47 | 4 25 | 1 31 | 20 9 | 2 25 | 22 38 | 0 35 | 17 10 | 2 29 | 23 25 | 0 16 | 19 52 | 1 40 | 14 58 | 14 3 | 3 45 | 4 10 | 25 25 | 5 51 | 2 45 |
| T 22 | 12 22 | 27 59 | 4 55 | 17 21 | 0 58 | 4 53 | 1 31 | 20 1 | 2 23 | 22 38 | 0 35 | 17 9 | 2 29 | 23 25 | 0 16 | 19 51 | 1 40 | 14 58 | 14 3 | 3 47 | 4 12 | 25 23 | 5 52 | 2 45 |
| F 23 | 12 42 | 26 18 | 4 30 | 18 4 | 1 9 | 5 22 | 1 31 | 19 54 | 2 22 | 22 38 | 0 35 | 17 8 | 2 29 | 23 24 | 0 16 | 19 51 | 1 40 | 14 58 | 14 3 | 3 48 | 4 13 | 25 22 | 5 54 | 2 45 |
| S 24 | 13 2 | 23 27 | 3 53 | 18 45 | 1 20 | 5 50 | 1 31 | 19 46 | 2 20 | 22 38 | 0 35 | 17 7 | 2 29 | 23 24 | 0 16 | 19 51 | 1 40 | 14 58 | 14 3 | 3 48 | 4 14 | 25 20 | 5 55 | 2 45 |
| S 25 | 13 21 | 19 37 | 3 6 | 19 25 | 1 31 | 6 18 | 1 31 | 19 39 | 2 19 | 22 38 | 0 35 | 17 6 | 2 29 | 23 24 | 0 16 | 19 51 | 1 40 | 14 59 | 14 2 | 3 48 | 4 15 | 25 18 | 5 56 | 2 45 |
| M26 | 13 41 | 14 58 | 2 10 | 20 2 | 1 41 | 6 46 | 1 30 | 19 31 | 2 17 | 22 39 | 0 35 | 17 5 | 2 29 | 23 24 | 0 16 | 19 50 | 1 40 | 14 59 | 14 2 | 3 48 | 4 16 | 25 16 | 5 58 | 2 45 |
| T 27 | 14 0 | 9 40 | 1 8 | 20 36 | 1 50 | 7 14 | 1 30 | 19 23 | 2 16 | 22 39 | 0 35 | 17 4 | 2 29 | 23 24 | 0 16 | 19 50 | 1 41 | 14 59 | 14 2 | 3 47 | 4 18 | 25 15 | 5 59 | 2 45 |
| W28 | 14 19 | 3 53 | 0 1 | 21 8 | 2 0 | 7 41 | 1 30 | 19 15 | 2 14 | 22 39 | 0 35 | 17 3 | 2 29 | 23 24 | 0 16 | 19 50 | 1 41 | 14 59 | 14 2 | 3 47 | 4 19 | 25 13 | 6 0 | 2 45 |
| T 29 | 14 37 | 2n11 | 1n 7 | 21 38 | 2 8 | 8 9 | 1 29 | 19 7 | 2 13 | 22 39 | 0 35 | 17 2 | 2 29 | 23 24 | 0 16 | 19 50 | 1 41 | 14 59 | 14 2 | 3 47 | 4 20 | 25 11 | 6 1 | 2 45 |
| F 30 | 14n56 | 8n20 | 2n13 | 22n 5 | 2n16 | 8n36 | 1s28 | 18n58 | 2n12 | 22s39 | 0n35 | 17s 1 | 2n29 | 23n24 | 0n16 | 19s49 | 1n41 | 15n 0 | 14n 1 | 3s48 | 4s21 | 25s10 | 6n 3 | 2n45 |

Julian Day Number = 2800807.5, Delta T = 50m14s
Ecliptic obliquity = 23°19'05, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°07'32, Lahiri = 37°14'32


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# ASTRODIENST EPHEMERIS for the year 2956
# geocentric

## MAY 2956 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 39 0 | 11♉35'12 | 29♈32 | 0♊38 | 27♈12 | 13♌16 | 4°R44 | 27°R10 | 7♋11 | 7°R39 | 24°R34 | 20°R15 | 18♓53 | 24♑56 | 8♈58 | S 1 |
| S 2 | 14 42 57 | 12°33'58 | 13♉23 | 1°57 | 28°26 | 13°41 | 4♑42 | 27♏ 6 | 7°14 | 7♐37 | 24♍34 | 20♓ 8 | 18°50 | 25° 2 | 9° 1 | S 2 |
| M 3 | 14 46 53 | 13°32'41 | 27°32 | 3°11 | 29°40 | 14° 6 | 4°40 | 27° 2 | 7°16 | 7°36 | 24°33 | 20° 0 | 18°47 | 25° 9 | 9° 4 | M 3 |
| T 4 | 14 50 50 | 14°31'23 | 11♊53 | 4°20 | 0♉54 | 14°32 | 4°37 | 26°57 | 7°19 | 7°35 | 24°32 | 19°51 | 18°43 | 25°16 | 9° 7 | T 4 |
| W 5 | 14 54 47 | 15°30'03 | 26°22 | 5°24 | 2° 8 | 14°57 | 4°35 | 26°53 | 7°21 | 7°33 | 24°31 | 19°43 | 18°40 | 25°23 | 9°10 | W 5 |
| T 6 | 14 58 43 | 16°28'41 | 10♋51 | 6°22 | 3°22 | 15°23 | 4°32 | 26°49 | 7°24 | 7°32 | 24°30 | 19°37 | 18°37 | 25°29 | 9°13 | T 6 |
| F 7 | 15 2 40 | 17°27'17 | 25°15 | 7°15 | 4°36 | 15°49 | 4°29 | 26°44 | 7°26 | 7°30 | 24°29 | 19°32 | 18°34 | 25°36 | 9°16 | F 7 |
| S 8 | 15 6 36 | 18°25'50 | 9♌31 | 8° 3 | 5°50 | 16°16 | 4°26 | 26°40 | 7°29 | 7°29 | 24°28 | 19°30 | 18°31 | 25°43 | 9°19 | S 8 |
| S 9 | 15 10 33 | 19°24'21 | 23°36 | 8°44 | 7° 4 | 16°42 | 4°22 | 26°35 | 7°31 | 7°27 | 24°28 | 19°D30 | 18°27 | 25°49 | 9°22 | S 9 |
| M10 | 15 14 29 | 20°22'50 | 7♍29 | 9°20 | 8°18 | 17° 9 | 4°19 | 26°31 | 7°34 | 7°26 | 24°27 | 19°31 | 18°24 | 25°56 | 9°25 | M10 |
| T 11 | 15 18 26 | 21°21'17 | 21°11 | 9°51 | 9°32 | 17°36 | 4°15 | 26°26 | 7°37 | 7°24 | 24°26 | 19°R31 | 18°21 | 26° 3 | 9°28 | T 11 |
| W12 | 15 22 22 | 22°19'42 | 4♎42 | 10°15 | 10°46 | 18° 3 | 4°11 | 26°22 | 7°39 | 7°22 | 24°25 | 19°30 | 18°18 | 26° 9 | 9°31 | W12 |
| T 13 | 15 26 19 | 23°18'04 | 18° 2 | 10°34 | 12° 0 | 18°30 | 4° 7 | 26°17 | 7°42 | 7°21 | 24°25 | 19°27 | 18°15 | 26°16 | 9°34 | T 13 |
| F 14 | 15 30 16 | 24°16'25 | 1♏11 | 10°47 | 13°14 | 18°58 | 4° 3 | 26°13 | 7°45 | 7°19 | 24°24 | 19°21 | 18°12 | 26°23 | 9°37 | F 14 |
| S 15 | 15 34 12 | 25°14'44 | 14° 9 | 10°55 | 14°28 | 19°25 | 3°58 | 26° 8 | 7°48 | 7°18 | 24°24 | 19°12 | 18° 8 | 26°29 | 9°40 | S 15 |
| S 16 | 15 38 9 | 26°13'01 | 26°55 | 10°R57 | 15°42 | 19°53 | 3°54 | 26° 3 | 7°51 | 7°16 | 24°23 | 19° 2 | 18° 5 | 26°36 | 9°42 | S 16 |
| M17 | 15 42 5 | 27°11'17 | 9♐29 | 10°54 | 16°56 | 20°21 | 3°49 | 25°59 | 7°53 | 7°15 | 24°22 | 18°50 | 18° 2 | 26°43 | 9°45 | M17 |
| T 18 | 15 46 2 | 28° 9'31 | 21°51 | 10°46 | 18° 9 | 20°49 | 3°44 | 25°54 | 7°56 | 7°13 | 24°22 | 18°38 | 17°59 | 26°50 | 9°48 | T 18 |
| W19 | 15 49 58 | 29° 7'43 | 4♑ 1 | 10°33 | 19°23 | 21°18 | 3°39 | 25°50 | 7°59 | 7°11 | 24°21 | 18°26 | 17°56 | 26°56 | 9°51 | W19 |
| T 20 | 15 53 55 | 0♊ 5'54 | 16° 1 | 10°16 | 20°37 | 21°46 | 3°34 | 25°45 | 8° 2 | 7°10 | 24°21 | 18°17 | 17°53 | 27° 3 | 9°53 | T 20 |
| F 21 | 15 57 52 | 1° 4'03 | 27°55 | 9°54 | 21°51 | 22°15 | 3°29 | 25°41 | 8° 5 | 7° 8 | 24°20 | 18°10 | 17°49 | 27°10 | 9°56 | F 21 |
| S 22 | 16 1 48 | 2° 2'11 | 9♒45 | 9°29 | 23° 5 | 22°44 | 3°24 | 25°36 | 8° 8 | 7° 7 | 24°20 | 18° 5 | 17°46 | 27°16 | 9°58 | S 22 |
| S 23 | 16 5 45 | 3° 0'17 | 21°36 | 9° 0 | 24°19 | 23°13 | 3°18 | 25°32 | 8°11 | 7° 5 | 24°20 | 18° 3 | 17°43 | 27°23 | 10° 1 | S 23 |
| M24 | 16 9 41 | 3°58'22 | 3♓33 | 8°29 | 25°33 | 23°42 | 3°12 | 25°27 | 8°14 | 7° 3 | 24°19 | 18°D 2 | 17°40 | 27°30 | 10° 3 | M24 |
| T 25 | 16 13 38 | 4°56'26 | 15°41 | 7°55 | 26°47 | 24°11 | 3° 7 | 25°23 | 8°17 | 7° 2 | 24°19 | 18°R 3 | 17°37 | 27°36 | 10° 6 | T 25 |
| W26 | 16 17 34 | 5°54'28 | 28° 5 | 7°20 | 28° 1 | 24°41 | 3° 1 | 25°18 | 8°21 | 7° 0 | 24°19 | 18° 2 | 17°33 | 27°43 | 10° 8 | W26 |
| T 27 | 16 21 31 | 6°52'29 | 10♈51 | 6°45 | 29°14 | 25°10 | 2°55 | 25°14 | 8°24 | 6°58 | 24°18 | 18° 1 | 17°30 | 27°50 | 10°10 | T 27 |
| F 28 | 16 25 27 | 7°50'29 | 24° 3 | 6° 9 | 0♊28 | 25°40 | 2°48 | 25°10 | 8°27 | 6°57 | 24°18 | 17°57 | 17°27 | 27°56 | 10°13 | F 28 |
| S 29 | 16 29 24 | 8°48'27 | 7♉41 | 5°33 | 1°42 | 26°10 | 2°42 | 25° 5 | 8°30 | 6°55 | 24°18 | 17°50 | 17°24 | 28° 3 | 10°15 | S 29 |
| S 30 | 16 33 21 | 9°46'24 | 21°46 | 4°59 | 2°56 | 26°40 | 2°36 | 25° 1 | 8°33 | 6°54 | 24°18 | 17°41 | 17°21 | 28°10 | 10°17 | S 30 |
| M31 | 16 37 17 | 10♊44'20 | 6♊15 | 4♊26 | 4♊10 | 27♌10 | 2♑29 | 24♏56 | 8♋36 | 6♐52 | 24♍18 | 17♓30 | 17♓18 | 28♑17 | 10♈19 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n14 | 14n17 | 3n14 | 22n30 | 2n23 | 9n 3 | 1s28 | 18n50 | 2n10 | 22s39 | 0n35 | 17s 0 | 2n29 | 23n24 | 0n16 | 19s49 | 1n41 | 15n 0 | 14n 1 | 3s50 | 4s23 | 25s 8 | 6n 4 | 2n45 |
| S 2 | 15 32 | 19 40 | 4 5 | 22 53 | 2 29 | 9 30 | 1 27 | 18 41 | 2 9 | 22 39 | 0 35 | 16 59 | 2 29 | 23 23 | 0 16 | 19 49 | 1 41 | 15 0 | 14 1 | 3 53 | 4 24 | 25 6 | 6 5 | 2 45 |
| M 3 | 15 49 | 24 5 | 4 42 | 23 12 | 2 34 | 9 57 | 1 26 | 18 33 | 2 7 | 22 39 | 0 35 | 16 58 | 2 29 | 23 23 | 0 16 | 19 49 | 1 41 | 15 0 | 14 0 | 3 57 | 4 25 | 25 4 | 6 7 | 2 45 |
| T 4 | 16 7 | 27 6 | 5 2 | 23 30 | 2 38 | 10 23 | 1 26 | 18 24 | 2 6 | 22 39 | 0 35 | 16 57 | 2 30 | 23 23 | 0 16 | 19 48 | 1 41 | 15 0 | 14 0 | 4 0 | 4 26 | 25 3 | 6 8 | 2 45 |
| W 5 | 16 24 | 28 19 | 5 3 | 23 45 | 2 41 | 10 50 | 1 25 | 18 15 | 2 5 | 22 39 | 0 35 | 16 56 | 2 30 | 23 23 | 0 16 | 19 48 | 1 41 | 15 0 | 14 0 | 4 3 | 4 28 | 25 1 | 6 9 | 2 45 |
| T 6 | 16 41 | 27 36 | 4 45 | 23 57 | 2 44 | 11 16 | 1 24 | 18 6 | 2 3 | 22 39 | 0 35 | 16 55 | 2 30 | 23 23 | 0 16 | 19 48 | 1 41 | 15 0 | 14 0 | 4 6 | 4 29 | 24 59 | 6 10 | 2 45 |
| F 7 | 16 57 | 25 3 | 4 8 | 24 7 | 2 45 | 11 41 | 1 23 | 17 57 | 2 2 | 22 39 | 0 35 | 16 54 | 2 30 | 23 23 | 0 16 | 19 48 | 1 41 | 15 0 | 13 59 | 4 7 | 4 30 | 24 57 | 6 11 | 2 45 |
| S 8 | 17 14 | 20 57 | 3 17 | 24 15 | 2 45 | 12 7 | 1 22 | 17 48 | 2 1 | 22 40 | 0 35 | 16 53 | 2 30 | 23 23 | 0 16 | 19 47 | 1 41 | 15 0 | 13 59 | 4 8 | 4 31 | 24 55 | 6 13 | 2 45 |
| S 9 | 17 30 | 15 42 | 2 14 | 24 21 | 2 44 | 12 32 | 1 21 | 17 39 | 2 0 | 22 40 | 0 35 | 16 52 | 2 30 | 23 22 | 0 16 | 19 47 | 1 41 | 15 0 | 13 59 | 4 8 | 4 33 | 24 54 | 6 14 | 2 45 |
| M10 | 17 45 | 9 42 | 1 4 | 24 24 | 2 42 | 12 57 | 1 19 | 17 30 | 1 58 | 22 40 | 0 35 | 16 51 | 2 30 | 23 22 | 0 16 | 19 47 | 1 41 | 15 0 | 13 59 | 4 8 | 4 34 | 24 52 | 6 15 | 2 45 |
| T 11 | 18 0 | 3 20 | 0s 9 | 24 25 | 2 38 | 13 21 | 1 18 | 17 20 | 1 57 | 22 40 | 0 35 | 16 50 | 2 30 | 23 22 | 0 16 | 19 47 | 1 41 | 15 0 | 13 58 | 4 8 | 4 35 | 24 50 | 6 16 | 2 45 |
| W12 | 18 16 | 3s 5 | 1 20 | 24 24 | 2 33 | 13 46 | 1 17 | 17 11 | 1 56 | 22 40 | 0 35 | 16 49 | 2 30 | 23 22 | 0 16 | 19 46 | 1 41 | 15 0 | 13 58 | 4 8 | 4 36 | 24 48 | 6 17 | 2 45 |
| T 13 | 18 30 | 9 17 | 2 26 | 24 21 | 2 27 | 14 10 | 1 16 | 17 1 | 1 55 | 22 40 | 0 35 | 16 48 | 2 30 | 23 22 | 0 16 | 19 46 | 1 41 | 15 0 | 13 58 | 4 9 | 4 38 | 24 46 | 6 19 | 2 45 |
| F 14 | 18 45 | 15 0 | 3 23 | 24 16 | 2 20 | 14 33 | 1 14 | 16 51 | 1 53 | 22 40 | 0 35 | 16 47 | 2 30 | 23 22 | 0 16 | 19 46 | 1 41 | 15 0 | 13 57 | 4 12 | 4 39 | 24 45 | 6 20 | 2 45 |
| S 15 | 18 59 | 19 57 | 4 8 | 24 9 | 2 12 | 14 56 | 1 13 | 16 42 | 1 52 | 22 41 | 0 35 | 16 46 | 2 30 | 23 21 | 0 16 | 19 46 | 1 41 | 15 0 | 13 57 | 4 15 | 4 40 | 24 43 | 6 21 | 2 45 |
| S 16 | 19 12 | 23 55 | 4 40 | 23 59 | 2 2 | 15 19 | 1 11 | 16 32 | 1 51 | 22 41 | 0 35 | 16 45 | 2 29 | 23 21 | 0 16 | 19 45 | 1 41 | 15 0 | 13 57 | 4 19 | 4 41 | 24 41 | 6 22 | 2 46 |
| M17 | 19 26 | 26 40 | 4 58 | 23 48 | 1 52 | 15 42 | 1 10 | 16 22 | 1 50 | 22 41 | 0 35 | 16 44 | 2 29 | 23 21 | 0 16 | 19 45 | 1 41 | 15 0 | 13 56 | 4 24 | 4 42 | 24 39 | 6 23 | 2 46 |
| T 18 | 19 39 | 28 5 | 5 1 | 23 35 | 1 40 | 16 4 | 1 8 | 16 12 | 1 48 | 22 41 | 0 35 | 16 43 | 2 29 | 23 21 | 0 16 | 19 45 | 1 41 | 15 0 | 13 56 | 4 29 | 4 44 | 24 37 | 6 24 | 2 46 |
| W19 | 19 52 | 28 6 | 4 51 | 23 21 | 1 27 | 16 25 | 1 6 | 16 1 | 1 47 | 22 41 | 0 35 | 16 42 | 2 29 | 23 21 | 0 16 | 19 44 | 1 41 | 15 0 | 13 56 | 4 33 | 4 45 | 24 35 | 6 25 | 2 46 |
| T 20 | 20 4 | 26 47 | 4 28 | 23 4 | 1 13 | 16 47 | 1 5 | 15 51 | 1 46 | 22 41 | 0 35 | 16 41 | 2 29 | 23 21 | 0 16 | 19 44 | 1 41 | 15 0 | 13 55 | 4 37 | 4 46 | 24 34 | 6 26 | 2 46 |
| F 21 | 20 16 | 24 17 | 3 53 | 22 46 | 0 58 | 17 7 | 1 3 | 15 41 | 1 45 | 22 42 | 0 35 | 16 40 | 2 29 | 23 20 | 0 16 | 19 44 | 1 41 | 15 0 | 13 55 | 4 39 | 4 47 | 24 32 | 6 27 | 2 46 |
| S 22 | 20 28 | 20 44 | 3 8 | 22 27 | 0 42 | 17 28 | 1 1 | 15 30 | 1 44 | 22 42 | 0 35 | 16 39 | 2 29 | 23 20 | 0 16 | 19 44 | 1 41 | 15 0 | 13 55 | 4 41 | 4 49 | 24 30 | 6 28 | 2 46 |
| S 23 | 20 39 | 16 22 | 2 15 | 22 6 | 0 25 | 17 48 | 0 59 | 15 20 | 1 43 | 22 42 | 0 35 | 16 38 | 2 29 | 23 20 | 0 16 | 19 43 | 1 41 | 15 0 | 13 54 | 4 42 | 4 50 | 24 28 | 6 29 | 2 46 |
| M24 | 20 50 | 11 20 | 1 16 | 21 45 | 0 8 | 18 7 | 0 58 | 15 9 | 1 42 | 22 42 | 0 35 | 16 37 | 2 29 | 23 20 | 0 16 | 19 43 | 1 41 | 14 59 | 13 54 | 4 42 | 4 51 | 24 26 | 6 30 | 2 46 |
| T 25 | 21 1 | 5 49 | 0 13 | 21 22 | 0s 9 | 18 26 | 0 56 | 14 58 | 1 40 | 22 42 | 0 34 | 16 36 | 2 29 | 23 20 | 0 16 | 19 43 | 1 41 | 14 59 | 13 54 | 4 42 | 4 52 | 24 24 | 6 31 | 2 46 |
| W26 | 21 11 | 0n 3 | 0n53 | 20 59 | 0 27 | 18 45 | 0 54 | 14 47 | 1 39 | 22 43 | 0 34 | 16 35 | 2 29 | 23 19 | 0 16 | 19 43 | 1 41 | 14 59 | 13 53 | 4 42 | 4 54 | 24 22 | 6 32 | 2 46 |
| T 27 | 21 21 | 6 5 | 1 58 | 20 36 | 0 44 | 19 3 | 0 52 | 14 36 | 1 38 | 22 43 | 0 34 | 16 34 | 2 29 | 23 19 | 0 16 | 19 42 | 1 41 | 14 59 | 13 53 | 4 43 | 4 55 | 24 20 | 6 33 | 2 46 |
| F 28 | 21 30 | 12 3 | 2 58 | 20 12 | 1 2 | 19 20 | 0 50 | 14 25 | 1 37 | 22 43 | 0 34 | 16 33 | 2 29 | 23 19 | 0 16 | 19 42 | 1 41 | 14 59 | 13 53 | 4 45 | 4 56 | 24 18 | 6 34 | 2 46 |
| S 29 | 21 39 | 17 38 | 3 51 | 19 49 | 1 19 | 19 37 | 0 48 | 14 14 | 1 36 | 22 43 | 0 34 | 16 32 | 2 29 | 23 19 | 0 16 | 19 42 | 1 41 | 14 58 | 13 52 | 4 47 | 4 57 | 24 16 | 6 35 | 2 46 |
| S 30 | 21 48 | 22 28 | 4 31 | 19 26 | 1 36 | 19 54 | 0 46 | 14 3 | 1 35 | 22 43 | 0 34 | 16 31 | 2 29 | 23 19 | 0 16 | 19 42 | 1 41 | 14 58 | 13 52 | 4 51 | 4 58 | 24 15 | 6 36 | 2 46 |
| M31 | 21n57 | 26n 5 | 4n55 | 19n 4 | 1s53 | 20n 9 | 0s44 | 13n52 | 1n34 | 22s44 | 0n34 | 16s30 | 2n28 | 23n18 | 0n16 | 19s41 | 1n41 | 14n58 | 13n52 | 4s55 | 5s 0 | 24s13 | 6n37 | 2n46 |

Julian Day Number = 2800837.5, Delta T = 50m14s
Ecliptic obliquity = 23°19'04, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°07'36, Lahiri = 37°14'36


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# ASTRODIENST EPHEMERIS for the year 2956
# geocentric

## JUNE 2956 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 41 14 | 11♊42'15 | 21♊ 0 | 3°R55 | 5♊24 | 27♌41 | 2°R23 | 24°R52 | 8♋40 | 6°R50 | 24°R18 | 17°R19 | 17♓14 | 28♉23 | 10♈22 | T 1 |
| W 2 | 16 45 10 | 12°40'08 | 5♋53 | 3♊27 | 6°37 | 28°11 | 2♉16 | 24♏48 | 8°43 | 6♐49 | 24♍18 | 17♓ 8 | 17°11 | 28°30 | 10°24 | W 2 |
| T 3 | 16 49 7 | 13°37'59 | 20°47 | 3° 1 | 7°51 | 28°42 | 2° 9 | 24°44 | 8°46 | 6°47 | 24°18 | 16°59 | 17° 8 | 28°37 | 10°26 | T 3 |
| F 4 | 16 53 3 | 14°35'49 | 5♌31 | 2°40 | 9° 5 | 29°12 | 2° 2 | 24°40 | 8°50 | 6°45 | 24°D18 | 16°53 | 17° 5 | 28°43 | 10°28 | F 4 |
| S 5 | 16 57 0 | 15°33'37 | 20° 1 | 2°22 | 10°19 | 29°43 | 1°55 | 24°36 | 8°53 | 6°44 | 24°18 | 16°50 | 17° 2 | 28°50 | 10°30 | S 5 |
| S 6 | 17 0 56 | 16°31'24 | 4♍13 | 2° 8 | 11°33 | 0♍14 | 1°48 | 24°31 | 8°56 | 6°42 | 24°18 | 16°48 | 16°59 | 28°57 | 10°32 | S 6 |
| M 7 | 17 4 53 | 17°29'09 | 18° 6 | 1°58 | 12°47 | 0°45 | 1°41 | 24°27 | 9° 0 | 6°41 | 24°18 | 16°48 | 16°55 | 29° 3 | 10°33 | M 7 |
| T 8 | 17 8 50 | 18°26'52 | 1♎41 | 1°52 | 14° 0 | 1°17 | 1°34 | 24°23 | 9° 3 | 6°39 | 24°18 | 16°48 | 16°52 | 29°10 | 10°35 | T 8 |
| W 9 | 17 12 46 | 19°24'34 | 14°59 | 1°D51 | 15°14 | 1°48 | 1°26 | 24°20 | 9° 6 | 6°37 | 24°18 | 16°46 | 16°49 | 29°17 | 10°37 | W 9 |
| T 10 | 17 16 43 | 20°22'14 | 28° 2 | 1°55 | 16°28 | 2°19 | 1°19 | 24°16 | 9°10 | 6°36 | 24°18 | 16°42 | 16°46 | 29°23 | 10°39 | T 10 |
| F 11 | 17 20 39 | 21°19'53 | 10♏53 | 2° 3 | 17°42 | 2°51 | 1°12 | 24°12 | 9°13 | 6°34 | 24°18 | 16°36 | 16°43 | 29°30 | 10°40 | F 11 |
| S 12 | 17 24 36 | 22°17'30 | 23°32 | 2°15 | 18°55 | 3°23 | 1° 4 | 24° 8 | 9°17 | 6°33 | 24°19 | 16°26 | 16°39 | 29°37 | 10°42 | S 12 |
| S 13 | 17 28 32 | 23°15'07 | 6♐ 1 | 2°32 | 20° 9 | 3°54 | 0°57 | 24° 4 | 9°20 | 6°31 | 24°19 | 16°14 | 16°36 | 29°43 | 10°44 | S 13 |
| M14 | 17 32 29 | 24°12'42 | 18°20 | 2°53 | 21°23 | 4°26 | 0°49 | 24° 1 | 9°24 | 6°30 | 24°19 | 16° 1 | 16°33 | 29°50 | 10°45 | M14 |
| T 15 | 17 36 25 | 25°10'16 | 0♑30 | 3°19 | 22°37 | 4°58 | 0°42 | 23°57 | 9°27 | 6°28 | 24°19 | 15°48 | 16°30 | 29°57 | 10°47 | T 15 |
| W16 | 17 40 22 | 26° 7'49 | 12°32 | 3°49 | 23°50 | 5°30 | 0°34 | 23°54 | 9°31 | 6°27 | 24°20 | 15°35 | 16°27 | 0♒ 4 | 10°48 | W16 |
| T 17 | 17 44 19 | 27° 5'21 | 24°27 | 4°23 | 25° 4 | 6° 2 | 0°27 | 23°50 | 9°34 | 6°25 | 24°20 | 15°25 | 16°24 | 0°10 | 10°50 | T 17 |
| F 18 | 17 48 15 | 28° 2'52 | 6♒18 | 5° 1 | 26°18 | 6°35 | 0°19 | 23°47 | 9°38 | 6°24 | 24°21 | 15°17 | 16°20 | 0°17 | 10°51 | F 18 |
| S 19 | 17 52 12 | 29° 0'22 | 18° 7 | 5°43 | 27°32 | 7° 7 | 0°11 | 23°44 | 9°41 | 6°22 | 24°21 | 15°11 | 16°17 | 0°24 | 10°52 | S 19 |
| S 20 | 17 56 8 | 29°57'51 | 29°57 | 6°28 | 28°45 | 7°40 | 0° 4 | 23°40 | 9°45 | 6°21 | 24°21 | 15° 8 | 16°14 | 0°30 | 10°53 | S 20 |
| M21 | 18 0 5 | 0♋55'20 | 11♓53 | 7°18 | 29°59 | 8°12 | 29♐56 | 23°37 | 9°48 | 6°19 | 24°22 | 15°D 7 | 16°11 | 0°37 | 10°55 | M21 |
| T 22 | 18 4 1 | 1°52'48 | 24° 0 | 8°11 | 1♋13 | 8°45 | 29°48 | 23°34 | 9°52 | 6°18 | 24°23 | 15° 7 | 16° 8 | 0°44 | 10°56 | T 22 |
| W23 | 18 7 58 | 2°50'15 | 6♈22 | 9° 8 | 2°27 | 9°18 | 29°41 | 23°31 | 9°55 | 6°16 | 24°23 | 15°R 8 | 16° 5 | 0°50 | 10°57 | W23 |
| T 24 | 18 11 54 | 3°47'42 | 19° 6 | 10° 9 | 3°40 | 9°50 | 29°33 | 23°28 | 9°59 | 6°15 | 24°24 | 15° 7 | 16° 1 | 0°57 | 10°58 | T 24 |
| F 25 | 18 15 51 | 4°45'08 | 2♉16 | 11°13 | 4°54 | 10°23 | 29°26 | 23°25 | 10° 2 | 6°14 | 24°24 | 15° 4 | 15°58 | 1° 4 | 10°59 | F 25 |
| S 26 | 18 19 48 | 5°42'34 | 15°54 | 12°20 | 6° 8 | 10°56 | 29°18 | 23°23 | 10° 6 | 6°12 | 24°25 | 14°58 | 15°55 | 1°10 | 11° 0 | S 26 |
| S 27 | 18 23 44 | 6°39'59 | 0♊ 1 | 13°30 | 7°22 | 11°30 | 29°10 | 23°20 | 10°10 | 6°11 | 24°26 | 14°51 | 15°52 | 1°17 | 11° 1 | S 27 |
| M28 | 18 27 41 | 7°37'24 | 14°35 | 14°44 | 8°36 | 12° 3 | 29° 3 | 23°17 | 10°13 | 6°10 | 24°26 | 14°42 | 15°49 | 1°24 | 11° 2 | M28 |
| T 29 | 18 31 37 | 8°34'48 | 29°31 | 16° 1 | 9°49 | 12°36 | 28°55 | 23°15 | 10°17 | 6° 8 | 24°27 | 14°32 | 15°45 | 1°30 | 11° 2 | T 29 |
| W30 | 18 35 34 | 9♋32'12 | 14♋39 | 17♊22 | 11♋ 3 | 13♍10 | 28♐48 | 23♏12 | 10♋20 | 6♐ 7 | 24♍28 | 14♓23 | 15♓42 | 1♒37 | 11♈ 3 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n 5 | 28n 0 | 5n 0 | 18n43 | 2s 8 | 20n25 | 0s41 | 13n40 | 1n33 | 22s44 | 0n34 | 16s29 | 2n28 | 23n18 | 0n16 | 19s41 | 1n41 | 14n57 | 13n51 | 4s59 | 5s 1 | 24s11 | 6n38 | 2n46 |
| W 2 | 22 12 | 27 56 | 4 45 | 18 24 | 2 23 | 20 40 | 0 39 | 13 29 | 1 32 | 22 44 | 0 34 | 16 28 | 2 28 | 23 18 | 0 16 | 19 41 | 1 41 | 14 57 | 13 51 | 5 3 | 5 2 | 24 9 | 6 39 | 2 46 |
| T 3 | 22 19 | 25 51 | 4 10 | 18 5 | 2 37 | 20 54 | 0 37 | 13 17 | 1 31 | 22 44 | 0 34 | 16 28 | 2 28 | 23 18 | 0 16 | 19 40 | 1 41 | 14 57 | 13 51 | 5 7 | 5 3 | 24 7 | 6 40 | 2 46 |
| F 4 | 22 26 | 22 1 | 3 19 | 17 48 | 2 50 | 21 8 | 0 35 | 13 5 | 1 30 | 22 44 | 0 34 | 16 27 | 2 28 | 23 18 | 0 16 | 19 40 | 1 41 | 14 57 | 13 50 | 5 9 | 5 5 | 24 5 | 6 41 | 2 47 |
| S 5 | 22 32 | 16 53 | 2 16 | 17 33 | 3 2 | 21 21 | 0 33 | 12 54 | 1 29 | 22 45 | 0 34 | 16 26 | 2 28 | 23 17 | 0 16 | 19 40 | 1 41 | 14 56 | 13 50 | 5 11 | 5 6 | 24 3 | 6 41 | 2 47 |
| S 6 | 22 38 | 10 56 | 1 6 | 17 20 | 3 13 | 21 33 | 0 30 | 12 42 | 1 28 | 22 45 | 0 34 | 16 25 | 2 28 | 23 17 | 0 16 | 19 40 | 1 41 | 14 56 | 13 49 | 5 11 | 5 7 | 24 1 | 6 42 | 2 47 |
| M 7 | 22 44 | 4 34 | 0s 7 | 17 9 | 3 22 | 21 45 | 0 28 | 12 30 | 1 27 | 22 45 | 0 34 | 16 24 | 2 28 | 23 17 | 0 16 | 19 39 | 1 41 | 14 56 | 13 49 | 5 11 | 5 8 | 23 59 | 6 43 | 2 47 |
| T 8 | 22 49 | 1s51 | 1 18 | 16 59 | 3 31 | 21 56 | 0 26 | 12 18 | 1 26 | 22 45 | 0 33 | 16 23 | 2 27 | 23 17 | 0 16 | 19 39 | 1 41 | 14 55 | 13 49 | 5 11 | 5 10 | 23 57 | 6 44 | 2 47 |
| W 9 | 22 54 | 8 4 | 2 23 | 16 52 | 3 38 | 22 7 | 0 23 | 12 6 | 1 25 | 22 45 | 0 33 | 16 23 | 2 27 | 23 16 | 0 16 | 19 39 | 1 41 | 14 55 | 13 48 | 5 12 | 5 11 | 23 55 | 6 45 | 2 47 |
| T 10 | 22 58 | 13 49 | 3 19 | 16 47 | 3 44 | 22 17 | 0 21 | 11 54 | 1 24 | 22 45 | 0 33 | 16 22 | 2 27 | 23 16 | 0 16 | 19 39 | 1 41 | 14 54 | 13 48 | 5 13 | 5 12 | 23 53 | 6 45 | 2 47 |
| F 11 | 23 2 | 18 53 | 4 4 | 16 43 | 3 49 | 22 26 | 0 19 | 11 41 | 1 23 | 22 46 | 0 33 | 16 21 | 2 27 | 23 16 | 0 16 | 19 38 | 1 41 | 14 54 | 13 48 | 5 16 | 5 13 | 23 51 | 6 46 | 2 47 |
| S 12 | 23 6 | 23 1 | 4 37 | 16 42 | 3 53 | 22 35 | 0 16 | 11 29 | 1 22 | 22 46 | 0 33 | 16 20 | 2 27 | 23 16 | 0 16 | 19 38 | 1 41 | 14 54 | 13 47 | 5 20 | 5 14 | 23 49 | 6 47 | 2 47 |
| S 13 | 23 9 | 26 3 | 4 55 | 16 42 | 3 56 | 22 43 | 0 14 | 11 17 | 1 21 | 22 46 | 0 33 | 16 20 | 2 27 | 23 16 | 0 16 | 19 38 | 1 41 | 14 53 | 13 47 | 5 24 | 5 16 | 23 47 | 6 47 | 2 47 |
| M14 | 23 11 | 27 47 | 5 0 | 16 44 | 3 58 | 22 51 | 0 12 | 11 4 | 1 20 | 22 46 | 0 33 | 16 19 | 2 26 | 23 15 | 0 16 | 19 38 | 1 41 | 14 53 | 13 47 | 5 29 | 5 17 | 23 45 | 6 48 | 2 47 |
| T 15 | 23 14 | 28 9 | 4 50 | 16 48 | 3 59 | 22 57 | 0 9 | 10 52 | 1 19 | 22 46 | 0 33 | 16 18 | 2 26 | 23 15 | 0 16 | 19 38 | 1 41 | 14 52 | 13 46 | 5 34 | 5 18 | 23 43 | 6 49 | 2 47 |
| W16 | 23 16 | 27 11 | 4 28 | 16 54 | 3 59 | 23 4 | 0 7 | 10 39 | 1 18 | 22 46 | 0 33 | 16 17 | 2 26 | 23 15 | 0 16 | 19 37 | 1 41 | 14 52 | 13 46 | 5 39 | 5 19 | 23 41 | 6 49 | 2 47 |
| T 17 | 23 17 | 24 58 | 3 54 | 17 1 | 3 57 | 23 9 | 0 5 | 10 26 | 1 17 | 22 46 | 0 33 | 16 17 | 2 26 | 23 15 | 0 16 | 19 37 | 1 41 | 14 51 | 13 46 | 5 43 | 5 21 | 23 39 | 6 50 | 2 47 |
| F 18 | 23 18 | 21 40 | 3 10 | 17 10 | 3 55 | 23 14 | 0 2 | 10 14 | 1 16 | 22 47 | 0 32 | 16 16 | 2 26 | 23 14 | 0 16 | 19 37 | 1 41 | 14 51 | 13 45 | 5 46 | 5 22 | 23 37 | 6 51 | 2 48 |
| S 19 | 23 19 | 17 31 | 2 18 | 17 20 | 3 53 | 23 18 | 0n 0 | 10 1 | 1 15 | 22 47 | 0 32 | 16 16 | 2 26 | 23 14 | 0 16 | 19 37 | 1 41 | 14 50 | 13 45 | 5 49 | 5 23 | 23 35 | 6 51 | 2 48 |
| S 20 | 23 19 | 12 41 | 1 20 | 17 31 | 3 49 | 23 21 | 0 3 | 9 48 | 1 14 | 22 47 | 0 32 | 16 15 | 2 25 | 23 14 | 0 16 | 19 36 | 1 41 | 14 50 | 13 44 | 5 50 | 5 24 | 23 33 | 6 52 | 2 48 |
| M21 | 23 19 | 7 20 | 0 17 | 17 43 | 3 45 | 23 24 | 0 5 | 9 35 | 1 13 | 22 47 | 0 32 | 16 14 | 2 25 | 23 14 | 0 16 | 19 36 | 1 41 | 14 49 | 13 44 | 5 50 | 5 26 | 23 30 | 6 52 | 2 48 |
| T 22 | 23 18 | 1 39 | 0n47 | 17 57 | 3 40 | 23 26 | 0 7 | 9 22 | 1 12 | 22 47 | 0 32 | 16 14 | 2 25 | 23 13 | 0 16 | 19 36 | 1 41 | 14 49 | 13 44 | 5 50 | 5 27 | 23 28 | 6 53 | 2 48 |
| W23 | 23 17 | 4n13 | 1 50 | 18 11 | 3 34 | 23 27 | 0 10 | 9 9 | 1 11 | 22 47 | 0 32 | 16 13 | 2 25 | 23 13 | 0 16 | 19 36 | 1 40 | 14 48 | 13 43 | 5 50 | 5 28 | 23 26 | 6 53 | 2 48 |
| T 24 | 23 16 | 10 4 | 2 50 | 18 26 | 3 27 | 23 28 | 0 12 | 8 55 | 1 10 | 22 47 | 0 32 | 16 13 | 2 25 | 23 13 | 0 16 | 19 36 | 1 40 | 14 48 | 13 43 | 5 50 | 5 29 | 23 24 | 6 54 | 2 48 |
| F 25 | 23 14 | 15 41 | 3 43 | 18 42 | 3 20 | 23 28 | 0 14 | 8 42 | 1 9 | 22 47 | 0 32 | 16 12 | 2 24 | 23 13 | 0 16 | 19 35 | 1 40 | 14 47 | 13 43 | 5 51 | 5 30 | 23 22 | 6 54 | 2 48 |
| S 26 | 23 12 | 20 44 | 4 25 | 18 58 | 3 13 | 23 27 | 0 17 | 8 29 | 1 8 | 22 48 | 0 31 | 16 12 | 2 24 | 23 12 | 0 16 | 19 35 | 1 40 | 14 46 | 13 42 | 5 53 | 5 32 | 23 20 | 6 55 | 2 48 |
| S 27 | 23 9 | 24 49 | 4 53 | 19 15 | 3 4 | 23 26 | 0 19 | 8 15 | 1 7 | 22 48 | 0 31 | 16 11 | 2 24 | 23 12 | 0 16 | 19 35 | 1 40 | 14 46 | 13 42 | 5 56 | 5 33 | 23 18 | 6 55 | 2 48 |
| M28 | 23 6 | 27 27 | 5 3 | 19 32 | 2 56 | 23 24 | 0 21 | 8 2 | 1 7 | 22 48 | 0 31 | 16 11 | 2 24 | 23 12 | 0 16 | 19 35 | 1 40 | 14 45 | 13 42 | 6 0 | 5 34 | 23 16 | 6 55 | 2 48 |
| T 29 | 23 2 | 28 12 | 4 53 | 19 50 | 2 47 | 23 21 | 0 24 | 7 49 | 1 6 | 22 48 | 0 31 | 16 10 | 2 23 | 23 11 | 0 16 | 19 35 | 1 40 | 14 45 | 13 41 | 6 3 | 5 35 | 23 14 | 6 56 | 2 48 |
| W30 | 22n59 | 26n52 | 4n22 | 20n 7 | 2s37 | 23n18 | 0n26 | 7n35 | 1n 5 | 22s48 | 0n31 | 16s10 | 2n23 | 23n11 | 0n16 | 19s34 | 1n40 | 14n44 | 13n41 | 6s 7 | 5s37 | 23s12 | 6n56 | 2n48 |

Julian Day Number = 2800868.5, Delta T = 50m15s
Ecliptic obliquity = 23°19'04, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°07'40, Lahiri = 37°14'41


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# ASTRODIENST EPHEMERIS for the year 2956
# geocentric

## JULY 2956 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 39 30 | 10♋29'35 | 29♋50 | 18♊45 | 12♋17 | 13♍43 | 28°R41 | 23°R10 | 10♋24 | 6°R 6 | 24♍29 | 14°R15 | 15♓39 | 1♒44 | 11♈ 4 | T 1 |
| F 2 | 18 43 27 | 11°26'57 | 14♌53 | 20°12 | 13°31 | 14°17 | 28♐33 | 23♏ 8 | 10°27 | 6♐ 4 | 24°30 | 14♓10 | 15°36 | 1°51 | 11° 4 | F 2 |
| S 3 | 18 47 24 | 12°24'18 | 29°40 | 21°41 | 14°44 | 14°50 | 28°26 | 23° 6 | 10°31 | 6° 3 | 24°30 | 14° 7 | 15°33 | 1°57 | 11° 5 | S 3 |
| S 4 | 18 51 20 | 13°21'39 | 14♍ 6 | 23°14 | 15°58 | 15°24 | 28°19 | 23° 3 | 10°35 | 6° 2 | 24°31 | 14°D 6 | 15°30 | 2° 4 | 11° 5 | S 4 |
| M 5 | 18 55 17 | 14°18'58 | 28° 7 | 24°50 | 17°12 | 15°58 | 28°12 | 23° 1 | 10°38 | 6° 1 | 24°32 | 14° 7 | 15°26 | 2°11 | 11° 6 | M 5 |
| T 6 | 18 59 13 | 15°16'17 | 11♎45 | 26°28 | 18°26 | 16°32 | 28° 5 | 23° 0 | 10°42 | 6° 0 | 24°33 | 14°R 7 | 15°23 | 2°17 | 11° 6 | T 6 |
| W 7 | 19 3 10 | 16°13'35 | 25° 1 | 28°10 | 19°39 | 17° 6 | 27°58 | 22°58 | 10°45 | 5°58 | 24°34 | 14° 7 | 15°20 | 2°24 | 11° 7 | W 7 |
| T 8 | 19 7 6 | 17°10'52 | 7♏57 | 29°55 | 20°53 | 17°40 | 27°51 | 22°56 | 10°49 | 5°57 | 24°35 | 14° 5 | 15°17 | 2°31 | 11° 7 | T 8 |
| F 9 | 19 11 3 | 18° 8'09 | 20°37 | 1♋42 | 22° 7 | 18°14 | 27°44 | 22°54 | 10°52 | 5°56 | 24°36 | 14° 1 | 15°14 | 2°37 | 11° 7 | F 9 |
| S 10 | 19 14 59 | 19° 5'25 | 3♐ 4 | 3°33 | 23°21 | 18°49 | 27°37 | 22°53 | 10°56 | 5°55 | 24°37 | 13°54 | 15°11 | 2°44 | 11° 7 | S 10 |
| S 11 | 19 18 56 | 20° 2'41 | 15°20 | 5°26 | 24°34 | 19°23 | 27°31 | 22°51 | 10°59 | 5°54 | 24°38 | 13°46 | 15° 7 | 2°51 | 11° 8 | S 11 |
| M12 | 19 22 53 | 20°59'56 | 27°27 | 7°21 | 25°48 | 19°57 | 27°24 | 22°50 | 11° 3 | 5°53 | 24°39 | 13°36 | 15° 4 | 2°57 | 11° 8 | M12 |
| T 13 | 19 26 49 | 21°57'11 | 9♑27 | 9°20 | 27° 2 | 20°32 | 27°18 | 22°49 | 11° 6 | 5°52 | 24°41 | 13°27 | 15° 1 | 3° 4 | 11°R 8 | T 13 |
| W14 | 19 30 46 | 22°54'26 | 21°22 | 11°20 | 28°16 | 21° 6 | 27°11 | 22°47 | 11°10 | 5°51 | 24°42 | 13°18 | 14°58 | 3°11 | 11° 8 | W14 |
| T 15 | 19 34 42 | 23°51'40 | 3♒13 | 13°23 | 29°29 | 21°41 | 27° 5 | 22°46 | 11°13 | 5°50 | 24°43 | 13°10 | 14°55 | 3°17 | 11° 8 | T 15 |
| F 16 | 19 38 39 | 24°48'54 | 15° 2 | 15°27 | 0♌43 | 22°16 | 26°59 | 22°45 | 11°17 | 5°49 | 24°44 | 13° 4 | 14°51 | 3°24 | 11° 7 | F 16 |
| S 17 | 19 42 35 | 25°46'08 | 26°52 | 17°33 | 1°57 | 22°51 | 26°53 | 22°44 | 11°20 | 5°48 | 24°45 | 13° 1 | 14°48 | 3°31 | 11° 7 | S 17 |
| S 18 | 19 46 32 | 26°43'22 | 8♓44 | 19°41 | 3°11 | 23°25 | 26°48 | 22°44 | 11°24 | 5°47 | 24°47 | 12°D59 | 14°45 | 3°37 | 11° 7 | S 18 |
| M19 | 19 50 28 | 27°40'36 | 20°43 | 21°49 | 4°24 | 24° 0 | 26°42 | 22°43 | 11°27 | 5°46 | 24°48 | 13° 0 | 14°42 | 3°44 | 11° 7 | M19 |
| T 20 | 19 54 25 | 28°37'50 | 2♈52 | 23°59 | 5°38 | 24°35 | 26°36 | 22°42 | 11°31 | 5°46 | 24°49 | 13° 1 | 14°39 | 3°51 | 11° 6 | T 20 |
| W21 | 19 58 22 | 29°35'05 | 15°16 | 26° 9 | 6°52 | 25°10 | 26°31 | 22°42 | 11°34 | 5°45 | 24°50 | 13° 2 | 14°36 | 3°57 | 11° 6 | W21 |
| T 22 | 20 2 18 | 0♌32'19 | 27°58 | 28°19 | 8° 6 | 25°46 | 26°26 | 22°41 | 11°38 | 5°44 | 24°52 | 13°R 3 | 14°32 | 4° 4 | 11° 6 | T 22 |
| F 23 | 20 6 15 | 1°29'34 | 11♉ 4 | 0♌29 | 9°19 | 26°21 | 26°21 | 22°41 | 11°41 | 5°43 | 24°53 | 13° 2 | 14°29 | 4°11 | 11° 5 | F 23 |
| S 24 | 20 10 11 | 2°26'50 | 24°37 | 2°39 | 10°33 | 26°56 | 26°16 | 22°41 | 11°45 | 5°42 | 24°55 | 13° 0 | 14°26 | 4°17 | 11° 5 | S 24 |
| S 25 | 20 14 8 | 3°24'06 | 8♊37 | 4°48 | 11°47 | 27°31 | 26°11 | 22°41 | 11°48 | 5°42 | 24°56 | 12°57 | 14°23 | 4°24 | 11° 4 | S 25 |
| M26 | 20 18 4 | 4°21'22 | 23° 5 | 6°57 | 13° 1 | 28° 7 | 26° 6 | 22°D41 | 11°51 | 5°41 | 24°57 | 12°52 | 14°20 | 4°31 | 11° 3 | M26 |
| T 27 | 20 22 1 | 5°18'39 | 7♋56 | 9° 4 | 14°14 | 28°42 | 26° 2 | 22°41 | 11°55 | 5°40 | 24°59 | 12°47 | 14°17 | 4°38 | 11° 3 | T 27 |
| W28 | 20 25 58 | 6°15'56 | 23° 4 | 11°11 | 15°28 | 29°18 | 25°57 | 22°41 | 11°58 | 5°40 | 25° 0 | 12°41 | 14°13 | 4°44 | 11° 2 | W28 |
| T 29 | 20 29 54 | 7°13'13 | 8♌18 | 13°16 | 16°42 | 29°54 | 25°53 | 22°41 | 12° 1 | 5°39 | 25° 2 | 12°37 | 14°10 | 4°51 | 11° 1 | T 29 |
| F 30 | 20 33 51 | 8°10'31 | 23°29 | 15°20 | 17°56 | 0♎29 | 25°49 | 22°42 | 12° 5 | 5°39 | 25° 4 | 12°34 | 14° 7 | 4°58 | 11° 0 | F 30 |
| S 31 | 20 37 47 | 9♌ 7'49 | 8♍27 | 17♌22 | 19♌10 | 1♎ 5 | 25♐45 | 22♏42 | 12♋ 8 | 5♐38 | 25♍ 5 | 12°D33 | 14♓ 4 | 5♒ 4 | 10♈59 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n54 | 23n33 | 3n33 | 20n24 | 2s27 | 23n13 | 0n28 | 7n21 | 1n 4 | 22s48 | 0n31 | 16s10 | 2n23 | 23n11 | 0n16 | 19s34 | 1n40 | 14n43 | 13n41 | 6s10 | 5s38 | 23s 9 | 6n57 | 2n49 |
| F 2 | 22 50 | 18 40 | 2 29 | 20 41 | 2 16 | 23 9 | 0 31 | 7 8 | 1 3 | 22 48 | 0 31 | 16 9 | 2 23 | 23 11 | 0 16 | 19 34 | 1 40 | 14 43 | 13 40 | 6 12 | 5 39 | 23 7 | 6 57 | 2 49 |
| S 3 | 22 45 | 12 43 | 1 16 | 20 58 | 2 6 | 23 3 | 0 33 | 6 54 | 1 2 | 22 48 | 0 30 | 16 9 | 2 23 | 23 10 | 0 16 | 19 34 | 1 40 | 14 42 | 13 40 | 6 13 | 5 40 | 23 5 | 6 57 | 2 49 |
| S 4 | 22 39 | 6 14 | 0 0 | 21 14 | 1 54 | 22 57 | 0 35 | 6 40 | 1 1 | 22 48 | 0 30 | 16 9 | 2 22 | 23 10 | 0 16 | 19 34 | 1 40 | 14 41 | 13 40 | 6 13 | 5 41 | 23 3 | 6 57 | 2 49 |
| M 5 | 22 33 | 0s23 | 1s14 | 21 30 | 1 43 | 22 50 | 0 37 | 6 26 | 1 0 | 22 48 | 0 30 | 16 8 | 2 22 | 23 10 | 0 16 | 19 33 | 1 40 | 14 41 | 13 39 | 6 13 | 5 43 | 23 1 | 6 58 | 2 49 |
| T 6 | 22 27 | 6 48 | 2 22 | 21 45 | 1 32 | 22 42 | 0 39 | 6 12 | 1 0 | 22 48 | 0 30 | 16 8 | 2 22 | 23 10 | 0 16 | 19 33 | 1 40 | 14 40 | 13 39 | 6 13 | 5 44 | 22 59 | 6 58 | 2 49 |
| W 7 | 22 20 | 12 45 | 3 21 | 21 58 | 1 20 | 22 34 | 0 41 | 5 58 | 0 59 | 22 48 | 0 30 | 16 8 | 2 22 | 23 9 | 0 16 | 19 33 | 1 40 | 14 39 | 13 39 | 6 13 | 5 45 | 22 57 | 6 58 | 2 49 |
| T 8 | 22 13 | 17 59 | 4 7 | 22 11 | 1 8 | 22 25 | 0 44 | 5 44 | 0 58 | 22 48 | 0 30 | 16 8 | 2 21 | 23 9 | 0 16 | 19 33 | 1 40 | 14 39 | 13 38 | 6 14 | 5 46 | 22 54 | 6 58 | 2 49 |
| F 9 | 22 6 | 22 19 | 4 41 | 22 22 | 0 56 | 22 16 | 0 46 | 5 30 | 0 57 | 22 48 | 0 30 | 16 8 | 2 21 | 23 9 | 0 16 | 19 33 | 1 40 | 14 38 | 13 38 | 6 16 | 5 48 | 22 52 | 6 59 | 2 49 |
| S 10 | 21 58 | 25 34 | 5 0 | 22 32 | 0 44 | 22 6 | 0 48 | 5 16 | 0 56 | 22 48 | 0 29 | 16 7 | 2 21 | 23 8 | 0 16 | 19 33 | 1 40 | 14 37 | 13 38 | 6 18 | 5 49 | 22 50 | 6 59 | 2 49 |
| S 11 | 21 50 | 27 34 | 5 5 | 22 40 | 0 32 | 21 55 | 0 50 | 5 2 | 0 55 | 22 48 | 0 29 | 16 7 | 2 21 | 23 8 | 0 16 | 19 33 | 1 40 | 14 37 | 13 37 | 6 21 | 5 50 | 22 48 | 6 59 | 2 49 |
| M12 | 21 41 | 28 14 | 4 57 | 22 46 | 0 20 | 21 43 | 0 52 | 4 48 | 0 55 | 22 48 | 0 29 | 16 7 | 2 20 | 23 8 | 0 16 | 19 32 | 1 40 | 14 36 | 13 37 | 6 25 | 5 51 | 22 46 | 6 59 | 2 50 |
| T 13 | 21 32 | 27 33 | 4 35 | 22 51 | 0 9 | 21 31 | 0 53 | 4 33 | 0 54 | 22 49 | 0 29 | 16 7 | 2 20 | 23 8 | 0 16 | 19 32 | 1 40 | 14 35 | 13 37 | 6 29 | 5 52 | 22 43 | 6 59 | 2 50 |
| W14 | 21 23 | 25 36 | 4 1 | 22 53 | 0n 3 | 21 19 | 0 55 | 4 19 | 0 53 | 22 49 | 0 29 | 16 7 | 2 20 | 23 7 | 0 16 | 19 32 | 1 40 | 14 34 | 13 36 | 6 32 | 5 54 | 22 41 | 6 59 | 2 50 |
| T 15 | 21 13 | 22 32 | 3 17 | 22 53 | 0 14 | 21 5 | 0 57 | 4 5 | 0 52 | 22 49 | 0 29 | 16 7 | 2 20 | 23 7 | 0 16 | 19 32 | 1 40 | 14 34 | 13 36 | 6 35 | 5 55 | 22 39 | 6 59 | 2 50 |
| F 16 | 21 3 | 18 33 | 2 25 | 22 50 | 0 24 | 20 51 | 0 59 | 3 50 | 0 51 | 22 49 | 0 28 | 16 7 | 2 19 | 23 7 | 0 16 | 19 32 | 1 40 | 14 33 | 13 36 | 6 37 | 5 56 | 22 37 | 6 59 | 2 50 |
| S 17 | 20 53 | 13 51 | 1 26 | 22 45 | 0 35 | 20 37 | 1 1 | 3 36 | 0 50 | 22 49 | 0 28 | 16 7 | 2 19 | 23 7 | 0 16 | 19 32 | 1 40 | 14 32 | 13 36 | 6 38 | 5 57 | 22 35 | 6 59 | 2 50 |
| S 18 | 20 42 | 8 37 | 0 23 | 22 37 | 0 44 | 20 22 | 1 2 | 3 22 | 0 50 | 22 49 | 0 28 | 16 7 | 2 19 | 23 6 | 0 16 | 19 32 | 1 40 | 14 31 | 13 35 | 6 39 | 5 59 | 22 32 | 6 59 | 2 50 |
| M19 | 20 31 | 3 1 | 0n42 | 22 26 | 0 54 | 20 6 | 1 4 | 3 7 | 0 49 | 22 49 | 0 28 | 16 7 | 2 19 | 23 6 | 0 16 | 19 32 | 1 40 | 14 31 | 13 35 | 6 39 | 6 0 | 22 30 | 6 59 | 2 50 |
| T 20 | 20 20 | 2n45 | 1 46 | 22 13 | 1 2 | 19 50 | 1 6 | 2 52 | 0 48 | 22 49 | 0 28 | 16 7 | 2 18 | 23 6 | 0 16 | 19 31 | 1 39 | 14 30 | 13 35 | 6 38 | 6 1 | 22 28 | 6 59 | 2 50 |
| W21 | 20 8 | 8 32 | 2 46 | 21 58 | 1 10 | 19 33 | 1 7 | 2 38 | 0 47 | 22 49 | 0 28 | 16 7 | 2 18 | 23 5 | 0 16 | 19 31 | 1 39 | 14 29 | 13 34 | 6 38 | 6 2 | 22 26 | 6 59 | 2 50 |
| T 22 | 19 56 | 14 7 | 3 40 | 21 39 | 1 17 | 19 16 | 1 9 | 2 23 | 0 46 | 22 49 | 0 27 | 16 8 | 2 18 | 23 5 | 0 16 | 19 31 | 1 39 | 14 28 | 13 34 | 6 38 | 6 3 | 22 23 | 6 59 | 2 50 |
| F 23 | 19 44 | 19 15 | 4 24 | 21 18 | 1 24 | 18 58 | 1 10 | 2 9 | 0 46 | 22 49 | 0 27 | 16 8 | 2 18 | 23 5 | 0 16 | 19 31 | 1 39 | 14 28 | 13 34 | 6 38 | 6 5 | 22 21 | 6 59 | 2 50 |
| S 24 | 19 31 | 23 35 | 4 55 | 20 55 | 1 29 | 18 39 | 1 12 | 1 54 | 0 45 | 22 49 | 0 27 | 16 8 | 2 17 | 23 5 | 0 16 | 19 31 | 1 39 | 14 27 | 13 34 | 6 39 | 6 6 | 22 19 | 6 59 | 2 50 |
| S 25 | 19 18 | 26 43 | 5 10 | 20 30 | 1 34 | 18 20 | 1 13 | 1 39 | 0 44 | 22 49 | 0 27 | 16 8 | 2 17 | 23 4 | 0 17 | 19 31 | 1 39 | 14 26 | 13 33 | 6 40 | 6 7 | 22 17 | 6 58 | 2 51 |
| M26 | 19 4 | 28 14 | 5 6 | 20 2 | 1 38 | 18 1 | 1 14 | 1 25 | 0 43 | 22 49 | 0 27 | 16 8 | 2 17 | 23 4 | 0 17 | 19 31 | 1 39 | 14 25 | 13 33 | 6 42 | 6 8 | 22 14 | 6 58 | 2 51 |
| T 27 | 18 51 | 27 46 | 4 41 | 19 32 | 1 42 | 17 41 | 1 16 | 1 10 | 0 42 | 22 49 | 0 27 | 16 9 | 2 17 | 23 4 | 0 17 | 19 31 | 1 39 | 14 24 | 13 33 | 6 44 | 6 10 | 22 12 | 6 58 | 2 51 |
| W28 | 18 37 | 25 15 | 3 57 | 19 0 | 1 44 | 17 21 | 1 17 | 0 55 | 0 42 | 22 49 | 0 26 | 16 9 | 2 16 | 23 3 | 0 17 | 19 31 | 1 39 | 14 23 | 13 33 | 6 46 | 6 11 | 22 10 | 6 58 | 2 51 |
| T 29 | 18 22 | 20 56 | 2 56 | 18 27 | 1 46 | 17 0 | 1 18 | 0 40 | 0 41 | 22 49 | 0 26 | 16 9 | 2 16 | 23 3 | 0 17 | 19 31 | 1 39 | 14 23 | 13 32 | 6 47 | 6 12 | 22 8 | 6 58 | 2 51 |
| F 30 | 18 8 | 15 14 | 1 42 | 17 52 | 1 47 | 16 38 | 1 19 | 0 25 | 0 40 | 22 49 | 0 26 | 16 10 | 2 16 | 23 3 | 0 17 | 19 31 | 1 39 | 14 22 | 13 32 | 6 48 | 6 13 | 22 5 | 6 57 | 2 51 |
| S 31 | 17n53 | 8n42 | 0n22 | 17n16 | 1n48 | 16n16 | 1n20 | 0n10 | 0n39 | 22s49 | 0n26 | 16s10 | 2n15 | 23n 3 | 0n17 | 19s31 | 1n39 | 14n21 | 13n32 | 6s49 | 6s14 | 22s 3 | 6n57 | 2n51 |

Julian Day Number = 2800898.5, Delta T = 50m15s
Ecliptic obliquity = 23°19'03, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°07'44, Lahiri = 37°14'45


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# ASTRODIENST EPHEMERIS for the year 2956
# geocentric

## AUGUST 2956 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 41 44 | 10♌ 5'06 | 23♍ 5 | 19♌22 | 20♌23 | 1♎41 | 25°R41 | 22♏43 | 12♋11 | 5°R38 | 25♍ 7 | 12♓34 | 14♓ 1 | 5♒11 | 10°R58 | S 1 |
| M 2 | 20 45 40 | 11° 2'24 | 7♎17 | 21°21 | 21°37 | 2°17 | 25♐38 | 22°44 | 12°14 | 5♐37 | 25° 8 | 12°35 | 13°57 | 5°18 | 10♈57 | M 2 |
| T 3 | 20 49 37 | 11°59'42 | 21° 4 | 23°18 | 22°51 | 2°53 | 25°34 | 22°44 | 12°18 | 5°37 | 25°10 | 12°36 | 13°54 | 5°24 | 10°56 | T 3 |
| W 4 | 20 53 33 | 12°57'00 | 4♏25 | 25°14 | 24° 5 | 3°29 | 25°31 | 22°45 | 12°21 | 5°36 | 25°12 | 12°37 | 13°51 | 5°31 | 10°55 | W 4 |
| T 5 | 20 57 30 | 13°54'19 | 17°22 | 27° 8 | 25°19 | 4° 5 | 25°28 | 22°46 | 12°24 | 5°36 | 25°13 | 12°R38 | 13°48 | 5°38 | 10°54 | T 5 |
| F 6 | 21 1 27 | 14°51'37 | 29°59 | 29° 0 | 26°32 | 4°41 | 25°25 | 22°47 | 12°27 | 5°36 | 25°15 | 12°37 | 13°45 | 5°44 | 10°53 | F 6 |
| S 7 | 21 5 23 | 15°48'56 | 12♐21 | 0♍50 | 27°46 | 5°18 | 25°23 | 22°48 | 12°30 | 5°35 | 25°17 | 12°34 | 13°42 | 5°51 | 10°52 | S 7 |
| S 8 | 21 9 20 | 16°46'16 | 24°30 | 2°38 | 29° 0 | 5°54 | 25°20 | 22°50 | 12°33 | 5°35 | 25°18 | 12°31 | 13°38 | 5°58 | 10°50 | S 8 |
| M 9 | 21 13 16 | 17°43'35 | 6♑30 | 4°25 | 0♍14 | 6°30 | 25°18 | 22°51 | 12°36 | 5°35 | 25°20 | 12°27 | 13°35 | 6° 4 | 10°49 | M 9 |
| T 10 | 21 17 13 | 18°40'55 | 18°24 | 6°10 | 1°27 | 7° 7 | 25°16 | 22°53 | 12°40 | 5°35 | 25°22 | 12°23 | 13°32 | 6°11 | 10°48 | T 10 |
| W11 | 21 21 9 | 19°38'16 | 0♒15 | 7°53 | 2°41 | 7°43 | 25°14 | 22°54 | 12°43 | 5°34 | 25°23 | 12°20 | 13°29 | 6°18 | 10°46 | W11 |
| T 12 | 21 25 6 | 20°35'36 | 12° 4 | 9°34 | 3°55 | 8°20 | 25°12 | 22°56 | 12°46 | 5°34 | 25°25 | 12°17 | 13°26 | 6°24 | 10°45 | T 12 |
| F 13 | 21 29 2 | 21°32'58 | 23°55 | 11°14 | 5° 9 | 8°57 | 25°10 | 22°57 | 12°49 | 5°34 | 25°27 | 12°15 | 13°23 | 6°31 | 10°43 | F 13 |
| S 14 | 21 32 59 | 22°30'20 | 5♓49 | 12°52 | 6°22 | 9°33 | 25° 9 | 22°59 | 12°51 | 5°34 | 25°29 | 12°13 | 13°19 | 6°38 | 10°41 | S 14 |
| S 15 | 21 36 56 | 23°27'43 | 17°49 | 14°28 | 7°36 | 10°10 | 25° 8 | 23° 1 | 12°54 | 5°34 | 25°31 | 12°D13 | 13°16 | 6°44 | 10°40 | S 15 |
| M16 | 21 40 52 | 24°25'07 | 29°56 | 16° 2 | 8°50 | 10°47 | 25° 7 | 23° 3 | 12°57 | 5°D34 | 25°33 | 12°14 | 13°13 | 6°51 | 10°38 | M16 |
| T 17 | 21 44 49 | 25°22'32 | 12♈13 | 17°35 | 10° 4 | 11°24 | 25° 6 | 23° 5 | 13° 0 | 5°34 | 25°34 | 12°15 | 13°10 | 6°58 | 10°36 | T 17 |
| W18 | 21 48 45 | 26°19'58 | 24°44 | 19° 6 | 11°17 | 12° 1 | 25° 5 | 23° 8 | 13° 3 | 5°34 | 25°36 | 12°17 | 13° 7 | 7° 4 | 10°35 | W18 |
| T 19 | 21 52 42 | 27°17'25 | 7♉32 | 20°35 | 12°31 | 12°38 | 25° 5 | 23°10 | 13° 6 | 5°34 | 25°38 | 12°18 | 13° 3 | 7°11 | 10°33 | T 19 |
| F 20 | 21 56 38 | 28°14'53 | 20°38 | 22° 3 | 13°45 | 13°15 | 25° 4 | 23°12 | 13° 9 | 5°34 | 25°40 | 12°19 | 13° 0 | 7°18 | 10°31 | F 20 |
| S 21 | 22 0 35 | 29°12'23 | 4♊ 6 | 23°28 | 14°58 | 13°52 | 25°D 4 | 23°15 | 13°11 | 5°34 | 25°42 | 12°R19 | 12°57 | 7°24 | 10°29 | S 21 |
| S 22 | 22 4 31 | 0♍ 9'54 | 17°58 | 24°52 | 16°12 | 14°29 | 25° 4 | 23°17 | 13°14 | 5°35 | 25°44 | 12°18 | 12°54 | 7°31 | 10°27 | S 22 |
| M23 | 22 8 28 | 1° 7'26 | 2♋13 | 26°15 | 17°26 | 15° 6 | 25° 4 | 23°20 | 13°17 | 5°35 | 25°46 | 12°17 | 12°51 | 7°38 | 10°25 | M23 |
| T 24 | 22 12 25 | 2° 4'59 | 16°50 | 27°35 | 18°40 | 15°44 | 25° 5 | 23°23 | 13°19 | 5°35 | 25°48 | 12°16 | 12°48 | 7°44 | 10°23 | T 24 |
| W25 | 22 16 21 | 3° 2'34 | 1♌42 | 28°53 | 19°53 | 16°21 | 25° 5 | 23°26 | 13°22 | 5°35 | 25°50 | 12°15 | 12°44 | 7°51 | 10°21 | W25 |
| T 26 | 22 20 18 | 4° 0'10 | 16°45 | 0♎10 | 21° 7 | 16°59 | 25° 6 | 23°29 | 13°24 | 5°36 | 25°52 | 12°14 | 12°41 | 7°58 | 10°19 | T 26 |
| F 27 | 22 24 14 | 4°57'47 | 1♍48 | 1°24 | 22°21 | 17°36 | 25° 7 | 23°32 | 13°27 | 5°36 | 25°54 | 12°14 | 12°38 | 8° 4 | 10°17 | F 27 |
| S 28 | 22 28 11 | 5°55'25 | 16°44 | 2°36 | 23°34 | 18°14 | 25° 8 | 23°35 | 13°30 | 5°36 | 25°56 | 12°D14 | 12°35 | 8°11 | 10°15 | S 28 |
| S 29 | 22 32 7 | 6°53'04 | 1♎24 | 3°46 | 24°48 | 18°51 | 25°10 | 23°38 | 13°32 | 5°37 | 25°58 | 12°14 | 12°32 | 8°18 | 10°13 | S 29 |
| M30 | 22 36 4 | 7°50'44 | 15°43 | 4°54 | 26° 2 | 19°29 | 25°11 | 23°41 | 13°34 | 5°37 | 26° 0 | 12°14 | 12°28 | 8°24 | 10°11 | M30 |
| T 31 | 22 40 0 | 8♍48'25 | 29♎37 | 6♎ 0 | 27♍16 | 20♎ 7 | 25♐13 | 23♏45 | 13♋37 | 5♐38 | 26♍ 2 | 12♓15 | 12♓25 | 8♒31 | 10♈ 9 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n38 | 1n51 | 0s57 | 16n38 | 1n47 | 15n54 | 1n21 | 0s 4 | 0n39 | 22s49 | 0n26 | 16s10 | 2n15 | 23n 2 | 0n17 | 19s31 | 1n39 | 14n20 | 13n32 | 6s49 | 6s16 | 22s 1 | 6n57 | 2n51 |
| M 2 | 17 22 | 4s53 | 2 11 | 16 0 | 1 46 | 15 31 | 1 22 | 0 19 | 0 38 | 22 49 | 0 25 | 16 11 | 2 15 | 23 2 | 0 17 | 19 31 | 1 39 | 14 19 | 13 31 | 6 48 | 6 17 | 21 58 | 6 56 | 2 51 |
| T 3 | 17 7 | 11 12 | 3 15 | 15 20 | 1 45 | 15 8 | 1 23 | 0 34 | 0 37 | 22 49 | 0 25 | 16 11 | 2 15 | 23 2 | 0 17 | 19 31 | 1 39 | 14 18 | 13 31 | 6 48 | 6 18 | 21 56 | 6 56 | 2 51 |
| W 4 | 16 50 | 16 48 | 4 7 | 14 39 | 1 43 | 14 45 | 1 24 | 0 49 | 0 36 | 22 49 | 0 25 | 16 12 | 2 14 | 23 1 | 0 17 | 19 31 | 1 39 | 14 18 | 13 31 | 6 47 | 6 19 | 21 54 | 6 56 | 2 51 |
| T 5 | 16 34 | 21 28 | 4 44 | 13 58 | 1 40 | 14 21 | 1 25 | 1 4 | 0 36 | 22 50 | 0 25 | 16 12 | 2 14 | 23 1 | 0 17 | 19 31 | 1 39 | 14 17 | 13 31 | 6 47 | 6 20 | 21 51 | 6 55 | 2 51 |
| F 6 | 16 18 | 25 2 | 5 6 | 13 16 | 1 36 | 13 57 | 1 25 | 1 19 | 0 35 | 22 50 | 0 25 | 16 13 | 2 14 | 23 1 | 0 17 | 19 31 | 1 39 | 14 16 | 13 31 | 6 48 | 6 22 | 21 49 | 6 55 | 2 51 |
| S 7 | 16 1 | 27 20 | 5 14 | 12 34 | 1 32 | 13 32 | 1 26 | 1 34 | 0 34 | 22 50 | 0 25 | 16 13 | 2 14 | 23 1 | 0 17 | 19 31 | 1 39 | 14 15 | 13 30 | 6 48 | 6 23 | 21 47 | 6 54 | 2 51 |
| S 8 | 15 44 | 28 19 | 5 7 | 11 51 | 1 28 | 13 7 | 1 26 | 1 49 | 0 33 | 22 50 | 0 24 | 16 14 | 2 13 | 23 0 | 0 17 | 19 31 | 1 38 | 14 14 | 13 30 | 6 50 | 6 24 | 21 44 | 6 54 | 2 51 |
| M 9 | 15 27 | 27 56 | 4 47 | 11 8 | 1 23 | 12 42 | 1 27 | 2 4 | 0 33 | 22 50 | 0 24 | 16 15 | 2 13 | 23 0 | 0 17 | 19 31 | 1 38 | 14 13 | 13 30 | 6 51 | 6 25 | 21 42 | 6 53 | 2 52 |
| T 10 | 15 9 | 26 15 | 4 14 | 10 25 | 1 18 | 12 16 | 1 27 | 2 19 | 0 32 | 22 50 | 0 24 | 16 15 | 2 13 | 23 0 | 0 17 | 19 31 | 1 38 | 14 12 | 13 30 | 6 53 | 6 27 | 21 40 | 6 53 | 2 52 |
| W11 | 14 51 | 23 26 | 3 31 | 9 41 | 1 12 | 11 50 | 1 28 | 2 34 | 0 31 | 22 50 | 0 24 | 16 16 | 2 13 | 23 0 | 0 17 | 19 31 | 1 38 | 14 12 | 13 30 | 6 54 | 6 28 | 21 37 | 6 52 | 2 52 |
| T 12 | 14 33 | 19 38 | 2 39 | 8 57 | 1 6 | 11 23 | 1 28 | 2 49 | 0 30 | 22 50 | 0 24 | 16 16 | 2 12 | 22 59 | 0 17 | 19 31 | 1 38 | 14 11 | 13 29 | 6 55 | 6 29 | 21 35 | 6 52 | 2 52 |
| F 13 | 14 15 | 15 3 | 1 39 | 8 14 | 0 59 | 10 57 | 1 28 | 3 4 | 0 30 | 22 50 | 0 23 | 16 17 | 2 12 | 22 59 | 0 17 | 19 31 | 1 38 | 14 10 | 13 29 | 6 56 | 6 30 | 21 33 | 6 51 | 2 52 |
| S 14 | 13 57 | 9 53 | 0 35 | 7 30 | 0 52 | 10 30 | 1 28 | 3 19 | 0 29 | 22 50 | 0 23 | 16 18 | 2 12 | 22 59 | 0 17 | 19 31 | 1 38 | 14 9 | 13 29 | 6 56 | 6 31 | 21 30 | 6 51 | 2 52 |
| S 15 | 13 38 | 4 19 | 0n31 | 6 47 | 0 45 | 10 3 | 1 28 | 3 34 | 0 28 | 22 51 | 0 23 | 16 19 | 2 12 | 22 58 | 0 17 | 19 31 | 1 38 | 14 8 | 13 29 | 6 56 | 6 33 | 21 28 | 6 50 | 2 52 |
| M16 | 13 19 | 1n27 | 1 36 | 6 3 | 0 37 | 9 35 | 1 28 | 3 49 | 0 28 | 22 51 | 0 23 | 16 19 | 2 11 | 22 58 | 0 17 | 19 31 | 1 38 | 14 7 | 13 29 | 6 56 | 6 34 | 21 25 | 6 50 | 2 52 |
| T 17 | 13 0 | 7 14 | 2 38 | 5 20 | 0 29 | 9 7 | 1 28 | 4 4 | 0 27 | 22 51 | 0 23 | 16 20 | 2 11 | 22 58 | 0 17 | 19 31 | 1 38 | 14 6 | 13 29 | 6 56 | 6 35 | 21 23 | 6 49 | 2 52 |
| W18 | 12 41 | 12 51 | 3 34 | 4 37 | 0 21 | 8 40 | 1 28 | 4 19 | 0 26 | 22 51 | 0 23 | 16 21 | 2 11 | 22 58 | 0 17 | 19 31 | 1 38 | 14 6 | 13 29 | 6 55 | 6 36 | 21 21 | 6 48 | 2 52 |
| T 19 | 12 21 | 18 3 | 4 20 | 3 54 | 0 13 | 8 11 | 1 28 | 4 34 | 0 25 | 22 51 | 0 22 | 16 22 | 2 11 | 22 57 | 0 17 | 19 31 | 1 38 | 14 5 | 13 28 | 6 55 | 6 37 | 21 18 | 6 48 | 2 52 |
| F 20 | 12 1 | 22 33 | 4 54 | 3 12 | 0 4 | 7 43 | 1 28 | 4 49 | 0 25 | 22 51 | 0 22 | 16 23 | 2 10 | 22 57 | 0 17 | 19 31 | 1 38 | 14 4 | 13 28 | 6 55 | 6 39 | 21 16 | 6 47 | 2 52 |
| S 21 | 11 42 | 25 59 | 5 13 | 2 30 | 0s 5 | 7 14 | 1 28 | 5 4 | 0 24 | 22 52 | 0 22 | 16 23 | 2 10 | 22 57 | 0 17 | 19 31 | 1 38 | 14 3 | 13 28 | 6 54 | 6 40 | 21 13 | 6 46 | 2 52 |
| S 22 | 11 21 | 28 0 | 5 15 | 1 49 | 0 14 | 6 45 | 1 27 | 5 19 | 0 23 | 22 52 | 0 22 | 16 24 | 2 10 | 22 57 | 0 17 | 19 31 | 1 38 | 14 2 | 13 28 | 6 55 | 6 41 | 21 11 | 6 46 | 2 52 |
| M23 | 11 1 | 28 16 | 4 58 | 1 8 | 0 23 | 6 16 | 1 27 | 5 34 | 0 23 | 22 52 | 0 22 | 16 25 | 2 10 | 22 56 | 0 17 | 19 31 | 1 38 | 14 1 | 13 28 | 6 55 | 6 42 | 21 9 | 6 45 | 2 52 |
| T 24 | 10 41 | 26 35 | 4 21 | 0 27 | 0 33 | 5 47 | 1 26 | 5 49 | 0 22 | 22 52 | 0 22 | 16 26 | 2 9 | 22 56 | 0 17 | 19 32 | 1 38 | 14 0 | 13 28 | 6 55 | 6 43 | 21 6 | 6 44 | 2 52 |
| W25 | 10 20 | 23 2 | 3 26 | 0s13 | 0 42 | 5 18 | 1 26 | 6 4 | 0 21 | 22 52 | 0 21 | 16 27 | 2 9 | 22 56 | 0 17 | 19 32 | 1 38 | 13 59 | 13 28 | 6 56 | 6 45 | 21 4 | 6 43 | 2 52 |
| T 26 | 10 0 | 17 55 | 2 17 | 0 52 | 0 52 | 4 48 | 1 25 | 6 19 | 0 20 | 22 52 | 0 21 | 16 28 | 2 9 | 22 56 | 0 17 | 19 32 | 1 37 | 13 59 | 13 28 | 6 56 | 6 46 | 21 1 | 6 43 | 2 52 |
| F 27 | 9 39 | 11 41 | 0 58 | 1 30 | 1 2 | 4 19 | 1 24 | 6 34 | 0 20 | 22 53 | 0 21 | 16 29 | 2 9 | 22 56 | 0 17 | 19 32 | 1 37 | 13 58 | 13 28 | 6 56 | 6 47 | 20 59 | 6 42 | 2 52 |
| S 28 | 9 18 | 4 50 | 0s25 | 2 8 | 1 12 | 3 49 | 1 23 | 6 49 | 0 19 | 22 53 | 0 21 | 16 30 | 2 8 | 22 55 | 0 17 | 19 32 | 1 37 | 13 57 | 13 27 | 6 56 | 6 48 | 20 56 | 6 41 | 2 52 |
| S 29 | 8 56 | 2s 9 | 1 45 | 2 45 | 1 22 | 3 19 | 1 23 | 7 4 | 0 18 | 22 53 | 0 21 | 16 31 | 2 8 | 22 55 | 0 17 | 19 32 | 1 37 | 13 56 | 13 27 | 6 56 | 6 50 | 20 54 | 6 40 | 2 52 |
| M30 | 8 35 | 8 51 | 2 55 | 3 21 | 1 32 | 2 49 | 1 22 | 7 19 | 0 18 | 22 53 | 0 21 | 16 32 | 2 8 | 22 55 | 0 17 | 19 32 | 1 37 | 13 55 | 13 27 | 6 56 | 6 51 | 20 51 | 6 39 | 2 52 |
| T 31 | 8n14 | 14s56 | 3s54 | 3s57 | 1s43 | 2n19 | 1n21 | 7s34 | 0n17 | 22s54 | 0n20 | 16s33 | 2n 8 | 22n55 | 0n17 | 19s32 | 1n37 | 13n54 | 13n27 | 6s56 | 6s52 | 20s49 | 6n38 | 2n52 |

Julian Day Number = 2800929.5, Delta T = 50m16s
Ecliptic obliquity = 23°19'04, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°07'49, Lahiri = 37°14'49


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# ASTRODIENST EPHEMERIS for the year 2956
# geocentric

## SEPTEMBER 2956 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 22 43 57 | 9♍46'07 | 13♏ 5 | 7♎ 3 | 28♍29 | 20♎45 | 25♐15 | 23♏48 | 13♋39 | 5♐38 | 26♍ 4 | 12♓15 | 12♓22 | 8♒38 | 10°R 6 | W 1 |
| T 2 | 22 47 53 | 10°43'50 | 26° 7 | 8° 4 | 29°43 | 21°23 | 25°17 | 23°52 | 13°41 | 5°39 | 26° 6 | 12°15 | 12°19 | 8°44 | 10♈ 4 | T 2 |
| F 3 | 22 51 50 | 11°41'35 | 8♐47 | 9° 2 | 0♎57 | 22° 1 | 25°19 | 23°55 | 13°44 | 5°39 | 26° 8 | 12°15 | 12°16 | 8°51 | 10° 2 | F 3 |
| S 4 | 22 55 47 | 12°39'20 | 21° 9 | 9°57 | 2°10 | 22°39 | 25°22 | 23°59 | 13°46 | 5°40 | 26°10 | 12°15 | 12°13 | 8°58 | 9°59 | S 4 |
| S 5 | 22 59 43 | 13°37'06 | 3♑16 | 10°50 | 3°24 | 23°17 | 25°24 | 24° 3 | 13°48 | 5°40 | 26°12 | 12°15 | 12° 9 | 9° 4 | 9°57 | S 5 |
| M 6 | 23 3 40 | 14°34'54 | 15°13 | 11°39 | 4°37 | 23°55 | 25°27 | 24° 7 | 13°50 | 5°41 | 26°14 | 12°15 | 12° 6 | 9°11 | 9°55 | M 6 |
| T 7 | 23 7 36 | 15°32'42 | 27° 4 | 12°25 | 5°51 | 24°33 | 25°30 | 24°11 | 13°52 | 5°42 | 26°16 | 12°16 | 12° 3 | 9°18 | 9°52 | T 7 |
| W 8 | 23 11 33 | 16°30'32 | 8♒54 | 13° 7 | 7° 5 | 25°11 | 25°33 | 24°15 | 13°54 | 5°42 | 26°18 | 12°16 | 12° 0 | 9°24 | 9°50 | W 8 |
| T 9 | 23 15 29 | 17°28'23 | 20°44 | 13°46 | 8°18 | 25°50 | 25°36 | 24°19 | 13°56 | 5°43 | 26°20 | 12°16 | 11°57 | 9°31 | 9°47 | T 9 |
| F 10 | 23 19 26 | 18°26'15 | 2♓40 | 14°20 | 9°32 | 26°28 | 25°40 | 24°23 | 13°58 | 5°44 | 26°22 | 12°17 | 11°54 | 9°38 | 9°45 | F 10 |
| S 11 | 23 23 22 | 19°24'08 | 14°42 | 14°51 | 10°45 | 27° 7 | 25°43 | 24°27 | 14° 0 | 5°45 | 26°24 | 12°R17 | 11°50 | 9°44 | 9°42 | S 11 |
| S 12 | 23 27 19 | 20°22'03 | 26°53 | 15°17 | 11°59 | 27°45 | 25°47 | 24°32 | 14° 2 | 5°46 | 26°27 | 12°17 | 11°47 | 9°51 | 9°40 | S 12 |
| M13 | 23 31 16 | 21°20'00 | 9♈14 | 15°38 | 13°13 | 28°24 | 25°51 | 24°36 | 14° 4 | 5°46 | 26°29 | 12°16 | 11°44 | 9°58 | 9°37 | M13 |
| T 14 | 23 35 12 | 22°17'58 | 21°47 | 15°55 | 14°26 | 29° 2 | 25°55 | 24°40 | 14° 6 | 5°47 | 26°31 | 12°15 | 11°41 | 10° 4 | 9°34 | T 14 |
| W15 | 23 39 9 | 23°15'57 | 4♉34 | 16° 6 | 15°40 | 29°41 | 26° 0 | 24°45 | 14° 8 | 5°48 | 26°33 | 12°13 | 11°38 | 10°11 | 9°32 | W15 |
| T 16 | 23 43 5 | 24°13'59 | 17°34 | 16°R12 | 16°53 | 0♏20 | 26° 4 | 24°50 | 14° 9 | 5°49 | 26°35 | 12°12 | 11°34 | 10°18 | 9°29 | T 16 |
| F 17 | 23 47 2 | 25°12'03 | 0♊50 | 16°12 | 18° 7 | 0°59 | 26° 9 | 24°54 | 14°11 | 5°50 | 26°37 | 12°11 | 11°31 | 10°24 | 9°27 | F 17 |
| S 18 | 23 50 58 | 26°10'08 | 14°21 | 16° 6 | 19°20 | 1°38 | 26°14 | 24°59 | 14°13 | 5°51 | 26°39 | 12°10 | 11°28 | 10°31 | 9°24 | S 18 |
| S 19 | 23 54 55 | 27° 8'15 | 28° 9 | 15°53 | 20°34 | 2°16 | 26°19 | 25° 4 | 14°14 | 5°52 | 26°41 | 12°D 9 | 11°25 | 10°38 | 9°21 | S 19 |
| M20 | 23 58 51 | 28° 6'25 | 12♋13 | 15°35 | 21°47 | 2°55 | 26°24 | 25° 9 | 14°16 | 5°53 | 26°43 | 12°10 | 11°22 | 10°44 | 9°18 | M20 |
| T 21 | 0 2 48 | 29° 4'36 | 26°32 | 15°10 | 23° 1 | 3°35 | 26°29 | 25°14 | 14°17 | 5°54 | 26°45 | 12°11 | 11°19 | 10°51 | 9°16 | T 21 |
| W22 | 0 6 45 | 0♎ 2'49 | 11♌ 4 | 14°38 | 24°14 | 4°14 | 26°35 | 25°19 | 14°19 | 5°56 | 26°48 | 12°12 | 11°15 | 10°58 | 9°13 | W22 |
| T 23 | 0 10 41 | 1° 1'04 | 25°44 | 14° 1 | 25°28 | 4°53 | 26°40 | 25°24 | 14°20 | 5°57 | 26°50 | 12°13 | 11°12 | 11° 4 | 9°10 | T 23 |
| F 24 | 0 14 38 | 1°59'21 | 10♍26 | 13°17 | 26°41 | 5°32 | 26°46 | 25°29 | 14°22 | 5°58 | 26°52 | 12°R13 | 11° 9 | 11°11 | 9° 8 | F 24 |
| S 25 | 0 18 34 | 2°57'40 | 25° 6 | 12°28 | 27°54 | 6°11 | 26°52 | 25°34 | 14°23 | 5°59 | 26°54 | 12°13 | 11° 6 | 11°18 | 9° 5 | S 25 |
| S 26 | 0 22 31 | 3°56'00 | 9♎36 | 11°35 | 29° 8 | 6°51 | 26°58 | 25°40 | 14°24 | 6° 0 | 26°56 | 12°12 | 11° 3 | 11°24 | 9° 2 | S 26 |
| M27 | 0 26 27 | 4°54'22 | 23°49 | 10°37 | 0♏21 | 7°30 | 27° 4 | 25°45 | 14°25 | 6° 2 | 26°58 | 12° 9 | 11° 0 | 11°31 | 8°59 | M27 |
| T 28 | 0 30 24 | 5°52'46 | 7♏42 | 9°37 | 1°35 | 8°10 | 27°11 | 25°51 | 14°26 | 6° 3 | 27° 0 | 12° 6 | 10°56 | 11°38 | 8°57 | T 28 |
| W29 | 0 34 20 | 6°51'12 | 21°12 | 8°35 | 2°48 | 8°49 | 27°17 | 25°56 | 14°28 | 6° 4 | 27° 2 | 12° 2 | 10°53 | 11°44 | 8°54 | W29 |
| T 30 | 0 38 17 | 7♎49'39 | 4♐18 | 7♎33 | 4♏ 1 | 9♏29 | 27♐24 | 26♏ 2 | 14♋29 | 6♐ 6 | 27♍ 4 | 11♓59 | 10♓50 | 11♒51 | 8♈51 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7n52 | 20s 5 | 4s37 | 4s31 | 1s53 | 1n49 | 1n20 | 7s49 | 0n16 | 22s54 | 0n20 | 16s34 | 2n 7 | 22n54 | 0n17 | 19s32 | 1n37 | 13n53 | 13n27 | 6s56 | 6s53 | 20s47 | 6n38 | 2n52 |
| T 2 | 7 30 | 24 7 | 5 5 | 5 4 | 2 3 | 1 19 | 1 19 | 8 3 | 0 16 | 22 54 | 0 20 | 16 35 | 2 7 | 22 54 | 0 17 | 19 33 | 1 37 | 13 53 | 13 27 | 6 56 | 6 54 | 20 44 | 6 37 | 2 52 |
| F 3 | 7 9 | 26 52 | 5 17 | 5 36 | 2 13 | 0 49 | 1 17 | 8 18 | 0 15 | 22 54 | 0 20 | 16 36 | 2 7 | 22 54 | 0 17 | 19 33 | 1 37 | 13 52 | 13 27 | 6 56 | 6 56 | 20 42 | 6 36 | 2 52 |
| S 4 | 6 47 | 28 14 | 5 14 | 6 7 | 2 23 | 0 18 | 1 16 | 8 33 | 0 14 | 22 55 | 0 20 | 16 38 | 2 7 | 22 54 | 0 17 | 19 33 | 1 37 | 13 51 | 13 27 | 6 56 | 6 57 | 20 39 | 6 35 | 2 52 |
| S 5 | 6 25 | 28 13 | 4 56 | 6 37 | 2 33 | 0s12 | 1 15 | 8 47 | 0 14 | 22 55 | 0 19 | 16 39 | 2 6 | 22 54 | 0 17 | 19 33 | 1 37 | 13 50 | 13 27 | 6 56 | 6 58 | 20 37 | 6 34 | 2 52 |
| M 6 | 6 2 | 26 52 | 4 27 | 7 5 | 2 43 | 0 42 | 1 13 | 9 2 | 0 13 | 22 55 | 0 19 | 16 40 | 2 6 | 22 53 | 0 17 | 19 33 | 1 37 | 13 49 | 13 27 | 6 56 | 6 59 | 20 34 | 6 33 | 2 52 |
| T 7 | 5 40 | 24 19 | 3 46 | 7 32 | 2 53 | 1 13 | 1 12 | 9 17 | 0 12 | 22 55 | 0 19 | 16 41 | 2 6 | 22 53 | 0 17 | 19 33 | 1 37 | 13 48 | 13 27 | 6 56 | 7 0 | 20 32 | 6 32 | 2 52 |
| W 8 | 5 18 | 20 45 | 2 55 | 7 57 | 3 2 | 1 43 | 1 10 | 9 31 | 0 12 | 22 56 | 0 19 | 16 42 | 2 6 | 22 53 | 0 17 | 19 34 | 1 37 | 13 48 | 13 27 | 6 55 | 7 2 | 20 29 | 6 31 | 2 52 |
| T 9 | 4 56 | 16 21 | 1 57 | 8 21 | 3 12 | 2 13 | 1 9 | 9 46 | 0 11 | 22 56 | 0 19 | 16 43 | 2 6 | 22 53 | 0 17 | 19 34 | 1 37 | 13 47 | 13 27 | 6 55 | 7 3 | 20 27 | 6 30 | 2 52 |
| F 10 | 4 33 | 11 18 | 0 53 | 8 43 | 3 21 | 2 44 | 1 7 | 10 0 | 0 10 | 22 56 | 0 19 | 16 45 | 2 5 | 22 53 | 0 17 | 19 34 | 1 37 | 13 46 | 13 27 | 6 55 | 7 4 | 20 24 | 6 29 | 2 52 |
| S 11 | 4 10 | 5 48 | 0n13 | 9 2 | 3 29 | 3 14 | 1 6 | 10 15 | 0 10 | 22 56 | 0 18 | 16 46 | 2 5 | 22 52 | 0 17 | 19 34 | 1 37 | 13 45 | 13 27 | 6 55 | 7 5 | 20 22 | 6 28 | 2 52 |
| S 12 | 3 48 | 0 1 | 1 20 | 9 20 | 3 38 | 3 44 | 1 4 | 10 29 | 0 9 | 22 57 | 0 18 | 16 47 | 2 5 | 22 52 | 0 17 | 19 34 | 1 37 | 13 44 | 13 27 | 6 55 | 7 6 | 20 19 | 6 27 | 2 52 |
| M13 | 3 25 | 5n51 | 2 24 | 9 36 | 3 45 | 4 14 | 1 2 | 10 43 | 0 8 | 22 57 | 0 18 | 16 48 | 2 5 | 22 52 | 0 17 | 19 35 | 1 36 | 13 43 | 13 27 | 6 56 | 7 8 | 20 17 | 6 26 | 2 52 |
| T 14 | 3 2 | 11 34 | 3 22 | 9 49 | 3 53 | 4 44 | 1 0 | 10 58 | 0 8 | 22 57 | 0 18 | 16 50 | 2 4 | 22 52 | 0 17 | 19 35 | 1 36 | 13 43 | 13 27 | 6 56 | 7 9 | 20 14 | 6 25 | 2 52 |
| W15 | 2 40 | 16 55 | 4 11 | 9 59 | 3 59 | 5 14 | 0 58 | 11 12 | 0 7 | 22 58 | 0 18 | 16 51 | 2 4 | 22 52 | 0 17 | 19 35 | 1 36 | 13 42 | 13 27 | 6 56 | 7 10 | 20 11 | 6 24 | 2 52 |
| T 16 | 2 17 | 21 35 | 4 48 | 10 7 | 4 5 | 5 44 | 0 56 | 11 26 | 0 6 | 22 58 | 0 18 | 16 52 | 2 4 | 22 52 | 0 18 | 19 35 | 1 36 | 13 41 | 13 27 | 6 57 | 7 11 | 20 9 | 6 23 | 2 52 |
| F 17 | 1 54 | 25 17 | 5 10 | 10 11 | 4 10 | 6 14 | 0 54 | 11 40 | 0 6 | 22 58 | 0 18 | 16 54 | 2 4 | 22 51 | 0 18 | 19 35 | 1 36 | 13 40 | 13 27 | 6 58 | 7 12 | 20 6 | 6 22 | 2 52 |
| S 18 | 1 31 | 27 38 | 5 16 | 10 13 | 4 14 | 6 44 | 0 52 | 11 54 | 0 5 | 22 58 | 0 17 | 16 55 | 2 4 | 22 51 | 0 18 | 19 36 | 1 36 | 13 39 | 13 27 | 6 58 | 7 14 | 20 4 | 6 21 | 2 52 |
| S 19 | 1 8 | 28 22 | 5 4 | 10 11 | 4 17 | 7 13 | 0 50 | 12 8 | 0 4 | 22 59 | 0 17 | 16 56 | 2 3 | 22 51 | 0 18 | 19 36 | 1 36 | 13 39 | 13 27 | 6 58 | 7 15 | 20 1 | 6 20 | 2 52 |
| M20 | 0 45 | 27 18 | 4 34 | 10 5 | 4 19 | 7 42 | 0 48 | 12 22 | 0 4 | 22 59 | 0 17 | 16 58 | 2 3 | 22 51 | 0 18 | 19 36 | 1 36 | 13 38 | 13 27 | 6 58 | 7 16 | 19 59 | 6 18 | 2 52 |
| T 21 | 0 22 | 24 27 | 3 46 | 9 56 | 4 19 | 8 12 | 0 46 | 12 36 | 0 3 | 22 59 | 0 17 | 16 59 | 2 3 | 22 51 | 0 18 | 19 36 | 1 36 | 13 37 | 13 27 | 6 58 | 7 17 | 19 56 | 6 17 | 2 52 |
| W22 | 0s 1 | 19 59 | 2 44 | 9 43 | 4 18 | 8 41 | 0 43 | 12 50 | 0 2 | 23 0 | 0 17 | 17 0 | 2 3 | 22 51 | 0 18 | 19 37 | 1 36 | 13 36 | 13 27 | 6 57 | 7 18 | 19 54 | 6 16 | 2 52 |
| T 23 | 0 24 | 14 17 | 1 30 | 9 25 | 4 15 | 9 10 | 0 41 | 13 3 | 0 2 | 23 0 | 0 17 | 17 2 | 2 3 | 22 51 | 0 18 | 19 37 | 1 36 | 13 36 | 13 28 | 6 57 | 7 20 | 19 51 | 6 15 | 2 52 |
| F 24 | 0 47 | 7 46 | 0 10 | 9 5 | 4 11 | 9 38 | 0 39 | 13 17 | 0 1 | 23 0 | 0 16 | 17 3 | 2 2 | 22 51 | 0 18 | 19 37 | 1 36 | 13 35 | 13 28 | 6 56 | 7 21 | 19 48 | 6 14 | 2 52 |
| S 25 | 1 10 | 0 52 | 1s10 | 8 40 | 4 5 | 10 7 | 0 36 | 13 31 | 0 0 | 23 1 | 0 16 | 17 5 | 2 2 | 22 50 | 0 18 | 19 37 | 1 36 | 13 34 | 13 28 | 6 57 | 7 22 | 19 46 | 6 13 | 2 52 |
| S 26 | 1 33 | 6s 1 | 2 25 | 8 11 | 3 57 | 10 35 | 0 34 | 13 44 | 0s 0 | 23 1 | 0 16 | 17 6 | 2 2 | 22 50 | 0 18 | 19 38 | 1 36 | 13 33 | 13 28 | 6 57 | 7 23 | 19 43 | 6 12 | 2 52 |
| M27 | 1 56 | 12 27 | 3 29 | 7 40 | 3 47 | 11 3 | 0 31 | 13 58 | 0 1 | 23 1 | 0 16 | 17 7 | 2 2 | 22 50 | 0 18 | 19 38 | 1 36 | 13 33 | 13 28 | 6 58 | 7 24 | 19 41 | 6 11 | 2 52 |
| T 28 | 2 19 | 18 6 | 4 20 | 7 5 | 3 35 | 11 31 | 0 29 | 14 11 | 0 2 | 23 1 | 0 16 | 17 9 | 2 2 | 22 50 | 0 18 | 19 38 | 1 36 | 13 32 | 13 28 | 6 59 | 7 26 | 19 38 | 6 9 | 2 52 |
| W29 | 2 42 | 22 41 | 4 54 | 6 28 | 3 21 | 11 58 | 0 26 | 14 24 | 0 2 | 23 2 | 0 16 | 17 10 | 2 2 | 22 50 | 0 18 | 19 38 | 1 36 | 13 31 | 13 28 | 7 1 | 7 27 | 19 36 | 6 8 | 2 51 |
| T 30 | 3s 5 | 25s59 | 5s11 | 5s49 | 3s 5 | 12s26 | 0n23 | 14s37 | 0s 3 | 23s 2 | 0n16 | 17s12 | 2n 1 | 22n50 | 0n18 | 19s39 | 1n36 | 13n31 | 13n28 | 7s 2 | 7s28 | 19s33 | 6n 7 | 2n51 |

Julian Day Number = 2800960.5, Delta T = 50m16s
Ecliptic obliquity = 23°19'04, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°07'53, Lahiri = 37°14'53


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# ASTRODIENST EPHEMERIS for the year 2956
# geocentric

## OCTOBER 2956 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 0 42 14 | 8♎48'08 | 17♐ 1 | 6°R32 | 5♏15 | 10♏ 9 | 27♐31 | 26♏ 7 | 14♋30 | 6♐ 7 | 27♍ 6 | 11°R56 | 10♓47 | 11♒58 | 8°R48 | F 1 |
| S 2 | 0 46 10 | 9°46'39 | 29°25 | 5♎34 | 6°28 | 10°48 | 27°38 | 26°13 | 14°31 | 6° 8 | 27° 9 | 11♓54 | 10°44 | 12° 4 | 8♈46 | S 2 |
| S 3 | 0 50 7 | 10°45'11 | 11♑32 | 4°40 | 7°41 | 11°28 | 27°45 | 26°19 | 14°31 | 6°10 | 27°11 | 11°D54 | 10°40 | 12°11 | 8°43 | S 3 |
| M 4 | 0 54 3 | 11°43'44 | 23°29 | 3°52 | 8°55 | 12° 8 | 27°52 | 26°24 | 14°32 | 6°11 | 27°13 | 11°54 | 10°37 | 12°18 | 8°40 | M 4 |
| T 5 | 0 58 0 | 12°42'20 | 5♒20 | 3°10 | 10° 8 | 12°48 | 27°59 | 26°30 | 14°33 | 6°13 | 27°15 | 11°56 | 10°34 | 12°24 | 8°37 | T 5 |
| W 6 | 1 1 56 | 13°40'56 | 17° 9 | 2°37 | 11°21 | 13°28 | 28° 7 | 26°36 | 14°34 | 6°14 | 27°17 | 11°58 | 10°31 | 12°31 | 8°35 | W 6 |
| T 7 | 1 5 53 | 14°39'35 | 29° 2 | 2°12 | 12°35 | 14° 8 | 28°15 | 26°42 | 14°34 | 6°16 | 27°19 | 11°59 | 10°28 | 12°38 | 8°32 | T 7 |
| F 8 | 1 9 49 | 15°38'15 | 11♓ 2 | 1°56 | 13°48 | 14°48 | 28°22 | 26°48 | 14°35 | 6°17 | 27°21 | 12°R 0 | 10°25 | 12°44 | 8°29 | F 8 |
| S 9 | 1 13 46 | 16°36'57 | 23°13 | 1°D51 | 15° 1 | 15°28 | 28°30 | 26°54 | 14°36 | 6°19 | 27°23 | 11°59 | 10°21 | 12°51 | 8°26 | S 9 |
| S 10 | 1 17 43 | 17°35'41 | 5♈37 | 1°55 | 16°14 | 16° 9 | 28°38 | 27° 0 | 14°36 | 6°21 | 27°25 | 11°57 | 10°18 | 12°58 | 8°24 | S 10 |
| M11 | 1 21 39 | 18°34'26 | 18°16 | 2° 9 | 17°27 | 16°49 | 28°47 | 27° 6 | 14°37 | 6°22 | 27°27 | 11°53 | 10°15 | 13° 4 | 8°21 | M11 |
| T 12 | 1 25 36 | 19°33'14 | 1♉10 | 2°34 | 18°41 | 17°29 | 28°55 | 27°12 | 14°37 | 6°24 | 27°29 | 11°47 | 10°12 | 13°11 | 8°18 | T 12 |
| W13 | 1 29 32 | 20°32'03 | 14°19 | 3° 7 | 19°54 | 18°10 | 29° 3 | 27°19 | 14°38 | 6°26 | 27°31 | 11°41 | 10° 9 | 13°18 | 8°16 | W13 |
| T 14 | 1 33 29 | 21°30'55 | 27°41 | 3°50 | 21° 7 | 18°50 | 29°12 | 27°25 | 14°38 | 6°27 | 27°33 | 11°34 | 10° 5 | 13°24 | 8°13 | T 14 |
| F 15 | 1 37 25 | 22°29'49 | 11♊16 | 4°41 | 22°20 | 19°31 | 29°21 | 27°31 | 14°38 | 6°29 | 27°35 | 11°28 | 10° 2 | 13°31 | 8°10 | F 15 |
| S 16 | 1 41 22 | 23°28'45 | 25° 2 | 5°40 | 23°33 | 20°11 | 29°29 | 27°38 | 14°38 | 6°31 | 27°37 | 11°24 | 9°59 | 13°38 | 8° 8 | S 16 |
| S 17 | 1 45 18 | 24°27'44 | 8♋56 | 6°46 | 24°46 | 20°52 | 29°38 | 27°44 | 14°39 | 6°32 | 27°39 | 11°21 | 9°56 | 13°44 | 8° 5 | S 17 |
| M18 | 1 49 15 | 25°26'44 | 22°58 | 7°58 | 25°59 | 21°33 | 29°47 | 27°51 | 14°39 | 6°34 | 27°41 | 11°D20 | 9°53 | 13°51 | 8° 2 | M18 |
| T 19 | 1 53 12 | 26°25'47 | 7♌ 6 | 9°16 | 27°12 | 22°13 | 29°56 | 27°57 | 14°39 | 6°36 | 27°42 | 11°20 | 9°50 | 13°58 | 8° 0 | T 19 |
| W20 | 1 57 8 | 27°24'52 | 21°18 | 10°38 | 28°25 | 22°54 | 0♑ 6 | 28° 4 | 14°R39 | 6°38 | 27°44 | 11°21 | 9°46 | 14° 4 | 7°57 | W20 |
| T 21 | 2 1 5 | 28°24'00 | 5♍34 | 12° 5 | 29°38 | 23°35 | 0°15 | 28°10 | 14°39 | 6°40 | 27°46 | 11°R22 | 9°43 | 14°11 | 7°55 | T 21 |
| F 22 | 2 5 1 | 29°23'09 | 19°51 | 13°36 | 0♐51 | 24°16 | 0°25 | 28°17 | 14°39 | 6°42 | 27°48 | 11°22 | 9°40 | 14°18 | 7°52 | F 22 |
| S 23 | 2 8 58 | 0♏22'21 | 4♎ 5 | 15°10 | 2° 4 | 24°57 | 0°34 | 28°23 | 14°38 | 6°43 | 27°50 | 11°20 | 9°37 | 14°24 | 7°50 | S 23 |
| S 24 | 2 12 54 | 1°21'35 | 18°12 | 16°46 | 3°17 | 25°38 | 0°44 | 28°30 | 14°38 | 6°45 | 27°52 | 11°15 | 9°34 | 14°31 | 7°47 | S 24 |
| M25 | 2 16 51 | 2°20'51 | 2♏ 9 | 18°24 | 4°30 | 26°19 | 0°54 | 28°37 | 14°38 | 6°47 | 27°54 | 11° 9 | 9°31 | 14°38 | 7°45 | M25 |
| T 26 | 2 20 47 | 3°20'09 | 15°50 | 20° 4 | 5°43 | 27° 1 | 1° 4 | 28°43 | 14°38 | 6°49 | 27°55 | 11° 0 | 9°27 | 14°44 | 7°42 | T 26 |
| W27 | 2 24 44 | 4°19'29 | 29°12 | 21°45 | 6°56 | 27°42 | 1°14 | 28°50 | 14°37 | 6°51 | 27°57 | 10°51 | 9°24 | 14°51 | 7°40 | W27 |
| T 28 | 2 28 40 | 5°18'51 | 12♐14 | 23°27 | 8° 9 | 28°23 | 1°24 | 28°57 | 14°37 | 6°53 | 27°59 | 10°41 | 9°21 | 14°57 | 7°38 | T 28 |
| F 29 | 2 32 37 | 6°18'15 | 24°56 | 25°10 | 9°22 | 29° 5 | 1°34 | 29° 4 | 14°36 | 6°55 | 28° 1 | 10°33 | 9°18 | 15° 4 | 7°35 | F 29 |
| S 30 | 2 36 34 | 7°17'41 | 7♑20 | 26°53 | 10°35 | 29°46 | 1°45 | 29°11 | 14°36 | 6°57 | 28° 2 | 10°27 | 9°15 | 15°11 | 7°33 | S 30 |
| S 31 | 2 40 30 | 8♏17'08 | 19♑27 | 28♎36 | 11♐48 | 0♐28 | 1♑55 | 29♏18 | 14♋35 | 6♐59 | 28♍ 4 | 10♓22 | 9♓11 | 15♒17 | 7♈31 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 3s28 | 27s52 | 5s13 | 5s10 | 2s49 | 12s53 | 0n21 | 14s50 | 0s 3 | 23s 2 | 0n15 | 17s13 | 2n 1 | 22n50 | 0n18 | 19s39 | 1n36 | 13n30 | 13n29 | 7s 3 | 7s29 | 19s30 | 6n 6 | 2n51 |
| S 2 | 3 51 | 28 19 | 5 0 | 4 30 | 2 30 | 13 19 | 0 18 | 15 3 | 0 4 | 23 3 | 0 15 | 17 15 | 2 1 | 22 50 | 0 18 | 19 39 | 1 36 | 13 29 | 13 29 | 7 4 | 7 30 | 19 28 | 6 5 | 2 51 |
| S 3 | 4 14 | 27 21 | 4 33 | 3 51 | 2 11 | 13 46 | 0 15 | 15 16 | 0 5 | 23 3 | 0 15 | 17 16 | 2 1 | 22 50 | 0 18 | 19 40 | 1 35 | 13 29 | 13 29 | 7 4 | 7 32 | 19 25 | 6 4 | 2 51 |
| M 4 | 4 37 | 25 9 | 3 55 | 3 14 | 1 51 | 14 12 | 0 13 | 15 29 | 0 5 | 23 3 | 0 15 | 17 18 | 2 1 | 22 50 | 0 18 | 19 40 | 1 35 | 13 28 | 13 29 | 7 4 | 7 33 | 19 22 | 6 3 | 2 51 |
| T 5 | 5 0 | 21 52 | 3 7 | 2 39 | 1 31 | 14 38 | 0 10 | 15 42 | 0 6 | 23 3 | 0 15 | 17 19 | 2 0 | 22 50 | 0 18 | 19 40 | 1 35 | 13 27 | 13 29 | 7 3 | 7 34 | 19 20 | 6 1 | 2 51 |
| W 6 | 5 22 | 17 43 | 2 12 | 2 7 | 1 11 | 15 3 | 0 7 | 15 54 | 0 7 | 23 4 | 0 15 | 17 21 | 2 0 | 22 49 | 0 18 | 19 40 | 1 35 | 13 27 | 13 29 | 7 2 | 7 35 | 19 17 | 6 0 | 2 51 |
| T 7 | 5 45 | 12 51 | 1 10 | 1 39 | 0 51 | 15 28 | 0 4 | 16 7 | 0 7 | 23 4 | 0 15 | 17 22 | 2 0 | 22 49 | 0 18 | 19 41 | 1 35 | 13 26 | 13 29 | 7 2 | 7 36 | 19 15 | 5 59 | 2 51 |
| F 8 | 6 7 | 7 28 | 0 5 | 1 15 | 0 32 | 15 53 | 0 1 | 16 19 | 0 8 | 23 4 | 0 14 | 17 24 | 2 0 | 22 49 | 0 18 | 19 41 | 1 35 | 13 25 | 13 30 | 7 2 | 7 38 | 19 12 | 5 58 | 2 51 |
| S 9 | 6 30 | 1 45 | 1n 1 | 0 56 | 0 13 | 16 17 | 0s 1 | 16 32 | 0 8 | 23 4 | 0 14 | 17 25 | 2 0 | 22 49 | 0 18 | 19 41 | 1 35 | 13 25 | 13 30 | 7 2 | 7 39 | 19 9 | 5 57 | 2 51 |
| S 10 | 6 52 | 4n 8 | 2 5 | 0 41 | 0n 5 | 16 41 | 0 4 | 16 44 | 0 9 | 23 5 | 0 14 | 17 27 | 2 0 | 22 49 | 0 18 | 19 42 | 1 35 | 13 24 | 13 30 | 7 3 | 7 40 | 19 7 | 5 56 | 2 51 |
| M11 | 7 15 | 9 58 | 3 5 | 0 32 | 0 21 | 17 4 | 0 7 | 16 56 | 0 10 | 23 5 | 0 14 | 17 28 | 2 0 | 22 49 | 0 18 | 19 42 | 1 35 | 13 23 | 13 30 | 7 4 | 7 41 | 19 4 | 5 54 | 2 50 |
| T 12 | 7 37 | 15 30 | 3 56 | 0 27 | 0 36 | 17 27 | 0 10 | 17 8 | 0 10 | 23 5 | 0 14 | 17 30 | 1 59 | 22 49 | 0 18 | 19 42 | 1 35 | 13 23 | 13 30 | 7 6 | 7 42 | 19 1 | 5 53 | 2 50 |
| W13 | 7 59 | 20 26 | 4 35 | 0 28 | 0 50 | 17 50 | 0 13 | 17 20 | 0 11 | 23 5 | 0 14 | 17 31 | 1 59 | 22 49 | 0 18 | 19 43 | 1 35 | 13 22 | 13 31 | 7 9 | 7 44 | 18 59 | 5 52 | 2 50 |
| T 14 | 8 21 | 24 25 | 5 1 | 0 33 | 1 3 | 18 12 | 0 16 | 17 31 | 0 11 | 23 5 | 0 14 | 17 33 | 1 59 | 22 49 | 0 18 | 19 43 | 1 35 | 13 22 | 13 31 | 7 11 | 7 45 | 18 56 | 5 51 | 2 50 |
| F 15 | 8 43 | 27 7 | 5 9 | 0 43 | 1 14 | 18 34 | 0 19 | 17 43 | 0 12 | 23 5 | 0 13 | 17 34 | 1 59 | 22 49 | 0 18 | 19 43 | 1 35 | 13 21 | 13 31 | 7 14 | 7 46 | 18 53 | 5 50 | 2 50 |
| S 16 | 9 4 | 28 14 | 5 1 | 0 57 | 1 24 | 18 55 | 0 22 | 17 54 | 0 13 | 23 6 | 0 13 | 17 36 | 1 59 | 22 49 | 0 18 | 19 44 | 1 35 | 13 21 | 13 31 | 7 15 | 7 47 | 18 51 | 5 49 | 2 50 |
| S 17 | 9 26 | 27 35 | 4 35 | 1 15 | 1 33 | 19 16 | 0 25 | 18 6 | 0 13 | 23 6 | 0 13 | 17 38 | 1 59 | 22 49 | 0 18 | 19 44 | 1 35 | 13 20 | 13 32 | 7 16 | 7 48 | 18 48 | 5 48 | 2 50 |
| M18 | 9 48 | 25 11 | 3 52 | 1 37 | 1 40 | 19 36 | 0 28 | 18 17 | 0 14 | 23 6 | 0 13 | 17 39 | 1 59 | 22 49 | 0 18 | 19 44 | 1 35 | 13 19 | 13 32 | 7 17 | 7 50 | 18 45 | 5 46 | 2 50 |
| T 19 | 10 9 | 21 13 | 2 55 | 2 2 | 1 46 | 19 56 | 0 31 | 18 28 | 0 14 | 23 6 | 0 13 | 17 41 | 1 58 | 22 49 | 0 18 | 19 45 | 1 35 | 13 19 | 13 32 | 7 17 | 7 51 | 18 43 | 5 45 | 2 49 |
| W20 | 10 30 | 16 0 | 1 46 | 2 30 | 1 50 | 20 16 | 0 34 | 18 39 | 0 15 | 23 6 | 0 13 | 17 42 | 1 58 | 22 49 | 0 18 | 19 45 | 1 35 | 13 18 | 13 32 | 7 16 | 7 52 | 18 40 | 5 44 | 2 49 |
| T 21 | 10 51 | 9 54 | 0 31 | 3 1 | 1 54 | 20 34 | 0 37 | 18 50 | 0 16 | 23 6 | 0 13 | 17 44 | 1 58 | 22 49 | 0 18 | 19 45 | 1 35 | 13 18 | 13 33 | 7 16 | 7 53 | 18 37 | 5 43 | 2 49 |
| F 22 | 11 12 | 3 18 | 0s46 | 3 33 | 1 56 | 20 53 | 0 40 | 19 0 | 0 16 | 23 6 | 0 13 | 17 45 | 1 58 | 22 49 | 0 18 | 19 46 | 1 35 | 13 17 | 13 33 | 7 16 | 7 54 | 18 34 | 5 42 | 2 49 |
| S 23 | 11 33 | 3s27 | 1 59 | 4 8 | 1 57 | 21 10 | 0 43 | 19 11 | 0 17 | 23 7 | 0 12 | 17 47 | 1 58 | 22 49 | 0 18 | 19 46 | 1 35 | 13 17 | 13 33 | 7 17 | 7 56 | 18 32 | 5 41 | 2 49 |
| S 24 | 11 53 | 9 57 | 3 5 | 4 44 | 1 58 | 21 28 | 0 46 | 19 21 | 0 17 | 23 7 | 0 12 | 17 49 | 1 58 | 22 49 | 0 18 | 19 46 | 1 35 | 13 17 | 13 33 | 7 18 | 7 57 | 18 29 | 5 40 | 2 49 |
| M25 | 12 14 | 15 53 | 3 58 | 5 22 | 1 57 | 21 44 | 0 49 | 19 31 | 0 18 | 23 7 | 0 12 | 17 50 | 1 58 | 22 50 | 0 18 | 19 47 | 1 35 | 13 16 | 13 34 | 7 21 | 7 58 | 18 26 | 5 39 | 2 49 |
| T 26 | 12 34 | 20 55 | 4 37 | 6 1 | 1 56 | 22 0 | 0 52 | 19 42 | 0 19 | 23 7 | 0 12 | 17 52 | 1 58 | 22 50 | 0 18 | 19 47 | 1 35 | 13 16 | 13 34 | 7 24 | 7 59 | 18 24 | 5 37 | 2 48 |
| W27 | 12 54 | 24 45 | 5 0 | 6 40 | 1 54 | 22 16 | 0 55 | 19 51 | 0 19 | 23 7 | 0 12 | 17 53 | 1 57 | 22 50 | 0 19 | 19 47 | 1 35 | 13 15 | 13 34 | 7 28 | 8 0 | 18 21 | 5 36 | 2 48 |
| T 28 | 13 14 | 27 12 | 5 6 | 7 20 | 1 52 | 22 30 | 0 58 | 20 1 | 0 20 | 23 7 | 0 12 | 17 55 | 1 57 | 22 50 | 0 19 | 19 48 | 1 35 | 13 15 | 13 35 | 7 31 | 8 1 | 18 18 | 5 35 | 2 48 |
| F 29 | 13 33 | 28 9 | 4 56 | 8 0 | 1 49 | 22 45 | 1 1 | 20 11 | 0 20 | 23 7 | 0 12 | 17 56 | 1 57 | 22 50 | 0 19 | 19 48 | 1 34 | 13 14 | 13 35 | 7 34 | 8 3 | 18 15 | 5 34 | 2 48 |
| S 30 | 13 53 | 27 40 | 4 33 | 8 41 | 1 45 | 22 58 | 1 4 | 20 20 | 0 21 | 23 7 | 0 12 | 17 58 | 1 57 | 22 50 | 0 19 | 19 48 | 1 34 | 13 14 | 13 35 | 7 37 | 8 4 | 18 13 | 5 33 | 2 48 |
| S 31 | 14s12 | 25s50 | 3s58 | 9s21 | 1n41 | 23s11 | 1s 6 | 20s30 | 0s21 | 23s 7 | 0n11 | 18s 0 | 1n57 | 22n50 | 0n19 | 19s49 | 1n34 | 13n14 | 13n36 | 7s38 | 8s 5 | 18s10 | 5n32 | 2n48 |

Julian Day Number = 2800990.5, Delta T = 50m17s
Ecliptic obliquity = 23°19'04, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°07'57, Lahiri = 37°14'58


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# ASTRODIENST EPHEMERIS for the year 2956
# geocentric

## NOVEMBER 2956 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 2 44 27 | 9♏16'37 | 1♒24 | 0♏20 | 13♐ 1 | 1♐ 9 | 2♑ 6 | 29♏25 | 14°R35 | 7♐ 1 | 28♍ 6 | 10°R20 | 9♓ 8 | 15♒24 | 7°R28 | M 1 |
| T 2 | 2 48 23 | 10°16'08 | 13°14 | 2° 3 | 14°13 | 1°51 | 2°16 | 29°32 | 14♋34 | 7° 3 | 28° 8 | 10°D20 | 9° 5 | 15°31 | 7♈26 | T 2 |
| W 3 | 2 52 20 | 11°15'41 | 25° 3 | 3°47 | 15°26 | 2°33 | 2°27 | 29°39 | 14°33 | 7° 5 | 28° 9 | 10♓21 | 9° 2 | 15°37 | 7°24 | W 3 |
| T 4 | 2 56 16 | 12°15'15 | 6♓56 | 5°30 | 16°39 | 3°14 | 2°38 | 29°46 | 14°33 | 7° 7 | 28°11 | 10°R21 | 8°59 | 15°44 | 7°22 | T 4 |
| F 5 | 3 0 13 | 13°14'50 | 18°59 | 7°12 | 17°52 | 3°56 | 2°49 | 29°53 | 14°32 | 7° 9 | 28°12 | 10°21 | 8°56 | 15°51 | 7°20 | F 5 |
| S 6 | 3 4 9 | 14°14'28 | 1♈16 | 8°54 | 19° 4 | 4°38 | 3° 0 | 29°59 | 14°31 | 7°12 | 28°14 | 10°19 | 8°52 | 15°57 | 7°18 | S 6 |
| S 7 | 3 8 6 | 15°14'07 | 13°50 | 10°36 | 20°17 | 5°20 | 3°11 | 0♐ 7 | 14°30 | 7°14 | 28°16 | 10°14 | 8°49 | 16° 4 | 7°16 | S 7 |
| M 8 | 3 12 3 | 16°13'48 | 26°44 | 12°18 | 21°30 | 6° 2 | 3°22 | 0°14 | 14°29 | 7°16 | 28°17 | 10° 7 | 8°46 | 16°11 | 7°14 | M 8 |
| T 9 | 3 15 59 | 17°13'31 | 9♉58 | 13°59 | 22°42 | 6°44 | 3°33 | 0°21 | 14°28 | 7°18 | 28°19 | 9°57 | 8°43 | 16°17 | 7°12 | T 9 |
| W10 | 3 19 56 | 18°13'16 | 23°31 | 15°39 | 23°55 | 7°26 | 3°44 | 0°28 | 14°27 | 7°20 | 28°20 | 9°46 | 8°40 | 16°24 | 7°10 | W10 |
| T 11 | 3 23 52 | 19°13'03 | 7♊21 | 17°19 | 25° 7 | 8° 8 | 3°56 | 0°35 | 14°26 | 7°22 | 28°22 | 9°35 | 8°37 | 16°31 | 7° 8 | T 11 |
| F 12 | 3 27 49 | 20°12'52 | 21°23 | 18°58 | 26°20 | 8°51 | 4° 7 | 0°42 | 14°25 | 7°24 | 28°23 | 9°24 | 8°33 | 16°37 | 7° 6 | F 12 |
| S 13 | 3 31 45 | 21°12'43 | 5♋32 | 20°37 | 27°32 | 9°33 | 4°19 | 0°49 | 14°23 | 7°27 | 28°25 | 9°15 | 8°30 | 16°44 | 7° 4 | S 13 |
| S 14 | 3 35 42 | 22°12'37 | 19°44 | 22°16 | 28°45 | 10°15 | 4°31 | 0°56 | 14°22 | 7°29 | 28°26 | 9° 9 | 8°27 | 16°51 | 7° 3 | S 14 |
| M15 | 3 39 39 | 23°12'32 | 3♌56 | 23°54 | 29°57 | 10°58 | 4°42 | 1° 4 | 14°21 | 7°31 | 28°27 | 9° 5 | 8°24 | 16°57 | 7° 1 | M15 |
| T 16 | 3 43 35 | 24°12'29 | 18° 5 | 25°31 | 1♑ 9 | 11°40 | 4°54 | 1°11 | 14°20 | 7°33 | 28°29 | 9° 4 | 8°21 | 17° 4 | 6°59 | T 16 |
| W17 | 3 47 32 | 25°12'29 | 2♍10 | 27° 8 | 2°22 | 12°23 | 5° 6 | 1°18 | 14°18 | 7°35 | 28°30 | 9° 4 | 8°17 | 17°11 | 6°58 | W17 |
| T 18 | 3 51 28 | 26°12'30 | 16°10 | 28°45 | 3°34 | 13° 5 | 5°18 | 1°25 | 14°17 | 7°38 | 28°31 | 9° 4 | 8°14 | 17°17 | 6°56 | T 18 |
| F 19 | 3 55 25 | 27°12'34 | 0♎ 5 | 0♐21 | 4°46 | 13°48 | 5°30 | 1°32 | 14°15 | 7°40 | 28°33 | 9° 3 | 8°11 | 17°24 | 6°55 | F 19 |
| S 20 | 3 59 21 | 28°12'40 | 13°53 | 1°57 | 5°59 | 14°31 | 5°42 | 1°40 | 14°14 | 7°42 | 28°34 | 8°59 | 8° 8 | 17°31 | 6°53 | S 20 |
| S 21 | 4 3 18 | 29°12'48 | 27°34 | 3°32 | 7°11 | 15°14 | 5°54 | 1°47 | 14°12 | 7°44 | 28°35 | 8°52 | 8° 5 | 17°37 | 6°52 | S 21 |
| M22 | 4 7 14 | 0♐12'57 | 11♏ 6 | 5° 7 | 8°23 | 15°57 | 6° 7 | 1°54 | 14°11 | 7°46 | 28°36 | 8°42 | 8° 2 | 17°44 | 6°50 | M22 |
| T 23 | 4 11 11 | 1°13'09 | 24°26 | 6°42 | 9°35 | 16°39 | 6°19 | 2° 1 | 14° 9 | 7°49 | 28°38 | 8°30 | 7°58 | 17°51 | 6°49 | T 23 |
| W24 | 4 15 8 | 2°13'23 | 7♐32 | 8°16 | 10°47 | 17°22 | 6°31 | 2° 9 | 14° 7 | 7°51 | 28°39 | 8°17 | 7°55 | 17°57 | 6°48 | W24 |
| T 25 | 4 19 4 | 3°13'38 | 20°22 | 9°50 | 11°59 | 18° 5 | 6°44 | 2°16 | 14° 6 | 7°53 | 28°40 | 8° 3 | 7°52 | 18° 4 | 6°47 | T 25 |
| F 26 | 4 23 1 | 4°13'55 | 2♑56 | 11°23 | 13°11 | 18°49 | 6°56 | 2°23 | 14° 4 | 7°55 | 28°41 | 7°51 | 7°49 | 18°11 | 6°45 | F 26 |
| S 27 | 4 26 57 | 5°14'13 | 15°15 | 12°57 | 14°23 | 19°32 | 7° 9 | 2°30 | 14° 2 | 7°58 | 28°42 | 7°40 | 7°46 | 18°17 | 6°44 | S 27 |
| S 28 | 4 30 54 | 6°14'33 | 27°20 | 14°30 | 15°35 | 20°15 | 7°21 | 2°37 | 14° 0 | 8° 0 | 28°43 | 7°33 | 7°43 | 18°24 | 6°43 | S 28 |
| M29 | 4 34 50 | 7°14'54 | 9♒15 | 16° 2 | 16°47 | 20°58 | 7°34 | 2°45 | 13°58 | 8° 2 | 28°44 | 7°28 | 7°39 | 18°30 | 6°42 | M29 |
| T 30 | 4 38 47 | 8♐15'17 | 21♒ 3 | 17♐35 | 17♑59 | 21♐42 | 7♑47 | 2♐52 | 13♋56 | 8♐ 4 | 28♍45 | 7♓26 | 7♓36 | 18♒37 | 6♈41 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14s31 | 22s53 | 3s13 | 10s 2 | 1n36 | 23s23 | 1s 9 | 20s39 | 0s22 | 23s 7 | 0n11 | 18s 1 | 1n57 | 22n50 | 0n19 | 19s49 | 1n34 | 13n13 | 13n36 | 7s39 | 8s 6 | 18s 7 | 5n31 | 2n48 |
| T 2 | 14 49 | 19 0 | 2 20 | 10 42 | 1 31 | 23 35 | 1 12 | 20 48 | 0 23 | 23 7 | 0 11 | 18 3 | 1 57 | 22 50 | 0 19 | 19 50 | 1 34 | 13 13 | 13 36 | 7 39 | 8 7 | 18 4 | 5 30 | 2 47 |
| W 3 | 15 8 | 14 23 | 1 21 | 11 22 | 1 26 | 23 46 | 1 15 | 20 57 | 0 23 | 23 7 | 0 11 | 18 4 | 1 57 | 22 50 | 0 19 | 19 50 | 1 34 | 13 13 | 13 37 | 7 39 | 8 9 | 18 2 | 5 29 | 2 47 |
| T 4 | 15 26 | 9 12 | 0 18 | 12 1 | 1 21 | 23 56 | 1 18 | 21 5 | 0 24 | 23 7 | 0 11 | 18 6 | 1 57 | 22 50 | 0 19 | 19 50 | 1 34 | 13 12 | 13 37 | 7 39 | 8 10 | 17 59 | 5 28 | 2 47 |
| F 5 | 15 44 | 3 38 | 0n46 | 12 40 | 1 15 | 24 6 | 1 20 | 21 14 | 0 24 | 23 6 | 0 11 | 18 7 | 1 57 | 22 50 | 0 19 | 19 51 | 1 34 | 13 12 | 13 37 | 7 39 | 8 11 | 17 56 | 5 27 | 2 47 |
| S 6 | 16 2 | 2n10 | 1 49 | 13 18 | 1 9 | 24 15 | 1 23 | 21 22 | 0 25 | 23 6 | 0 11 | 18 9 | 1 56 | 22 51 | 0 19 | 19 51 | 1 34 | 13 12 | 13 38 | 7 40 | 8 12 | 17 53 | 5 26 | 2 47 |
| S 7 | 16 19 | 8 1 | 2 48 | 13 56 | 1 3 | 24 23 | 1 26 | 21 30 | 0 25 | 23 6 | 0 11 | 18 10 | 1 56 | 22 51 | 0 19 | 19 51 | 1 34 | 13 11 | 13 38 | 7 42 | 8 13 | 17 51 | 5 25 | 2 47 |
| M 8 | 16 37 | 13 41 | 3 41 | 14 33 | 0 57 | 24 31 | 1 28 | 21 38 | 0 26 | 23 6 | 0 11 | 18 12 | 1 56 | 22 51 | 0 19 | 19 52 | 1 34 | 13 11 | 13 38 | 7 44 | 8 15 | 17 48 | 5 24 | 2 46 |
| T 9 | 16 53 | 18 52 | 4 22 | 15 9 | 0 50 | 24 38 | 1 31 | 21 46 | 0 27 | 23 6 | 0 10 | 18 13 | 1 56 | 22 51 | 0 19 | 19 52 | 1 34 | 13 11 | 13 39 | 7 48 | 8 16 | 17 45 | 5 23 | 2 46 |
| W10 | 17 10 | 23 14 | 4 50 | 15 45 | 0 44 | 24 44 | 1 33 | 21 53 | 0 27 | 23 6 | 0 10 | 18 15 | 1 56 | 22 51 | 0 19 | 19 52 | 1 34 | 13 10 | 13 39 | 7 52 | 8 17 | 17 42 | 5 22 | 2 46 |
| T 11 | 17 26 | 26 23 | 5 2 | 16 20 | 0 37 | 24 49 | 1 36 | 22 0 | 0 28 | 23 5 | 0 10 | 18 17 | 1 56 | 22 51 | 0 19 | 19 53 | 1 34 | 13 10 | 13 40 | 7 56 | 8 18 | 17 40 | 5 22 | 2 46 |
| F 12 | 17 42 | 27 57 | 4 55 | 16 53 | 0 30 | 24 54 | 1 38 | 22 8 | 0 28 | 23 5 | 0 10 | 18 18 | 1 56 | 22 51 | 0 19 | 19 53 | 1 34 | 13 10 | 13 40 | 8 0 | 8 19 | 17 37 | 5 21 | 2 46 |
| S 13 | 17 58 | 27 43 | 4 31 | 17 26 | 0 23 | 24 58 | 1 41 | 22 15 | 0 29 | 23 5 | 0 10 | 18 20 | 1 56 | 22 52 | 0 19 | 19 54 | 1 34 | 13 10 | 13 40 | 8 4 | 8 20 | 17 34 | 5 20 | 2 45 |
| S 14 | 18 14 | 25 40 | 3 50 | 17 59 | 0 17 | 25 2 | 1 43 | 22 21 | 0 29 | 23 5 | 0 10 | 18 21 | 1 56 | 22 52 | 0 19 | 19 54 | 1 34 | 13 10 | 13 41 | 8 6 | 8 22 | 17 31 | 5 19 | 2 45 |
| M15 | 18 29 | 22 0 | 2 55 | 18 30 | 0 10 | 25 4 | 1 45 | 22 28 | 0 30 | 23 4 | 0 10 | 18 23 | 1 56 | 22 52 | 0 19 | 19 54 | 1 34 | 13 9 | 13 41 | 8 7 | 8 23 | 17 28 | 5 18 | 2 45 |
| T 16 | 18 44 | 17 3 | 1 49 | 19 0 | 0 3 | 25 6 | 1 48 | 22 34 | 0 30 | 23 4 | 0 10 | 18 24 | 1 56 | 22 52 | 0 19 | 19 55 | 1 34 | 13 9 | 13 42 | 8 8 | 8 24 | 17 26 | 5 17 | 2 45 |
| W17 | 18 58 | 11 13 | 0 37 | 19 29 | 0s 4 | 25 8 | 1 50 | 22 40 | 0 31 | 23 4 | 0 10 | 18 26 | 1 56 | 22 52 | 0 19 | 19 55 | 1 34 | 13 9 | 13 42 | 8 8 | 8 25 | 17 23 | 5 16 | 2 45 |
| T 18 | 19 12 | 4 51 | 0s38 | 19 57 | 0 11 | 25 8 | 1 52 | 22 46 | 0 31 | 23 3 | 0 9 | 18 27 | 1 56 | 22 52 | 0 19 | 19 55 | 1 34 | 13 9 | 13 42 | 8 8 | 8 26 | 17 20 | 5 16 | 2 45 |
| F 19 | 19 26 | 1s42 | 1 49 | 20 24 | 0 17 | 25 8 | 1 54 | 22 52 | 0 32 | 23 3 | 0 9 | 18 29 | 1 56 | 22 53 | 0 19 | 19 56 | 1 34 | 13 9 | 13 43 | 8 8 | 8 28 | 17 17 | 5 15 | 2 44 |
| S 20 | 19 40 | 8 7 | 2 53 | 20 50 | 0 24 | 25 7 | 1 56 | 22 58 | 0 32 | 23 3 | 0 9 | 18 30 | 1 56 | 22 53 | 0 19 | 19 56 | 1 34 | 13 9 | 13 43 | 8 10 | 8 29 | 17 14 | 5 14 | 2 44 |
| S 21 | 19 53 | 14 5 | 3 47 | 21 15 | 0 31 | 25 5 | 1 58 | 23 3 | 0 33 | 23 2 | 0 9 | 18 31 | 1 56 | 22 53 | 0 19 | 19 57 | 1 34 | 13 9 | 13 44 | 8 12 | 8 30 | 17 11 | 5 13 | 2 44 |
| M22 | 20 6 | 19 18 | 4 26 | 21 39 | 0 37 | 25 3 | 2 0 | 23 8 | 0 33 | 23 2 | 0 9 | 18 33 | 1 56 | 22 53 | 0 19 | 19 57 | 1 34 | 13 9 | 13 44 | 8 16 | 8 31 | 17 9 | 5 13 | 2 44 |
| T 23 | 20 18 | 23 29 | 4 51 | 22 2 | 0 44 | 25 0 | 2 1 | 23 13 | 0 34 | 23 1 | 0 9 | 18 34 | 1 55 | 22 53 | 0 19 | 19 57 | 1 34 | 13 8 | 13 44 | 8 20 | 8 32 | 17 6 | 5 12 | 2 44 |
| W24 | 20 30 | 26 23 | 5 0 | 22 24 | 0 50 | 24 56 | 2 3 | 23 18 | 0 35 | 23 1 | 0 9 | 18 36 | 1 55 | 22 53 | 0 19 | 19 58 | 1 34 | 13 8 | 13 45 | 8 25 | 8 33 | 17 3 | 5 11 | 2 43 |
| T 25 | 20 42 | 27 51 | 4 53 | 22 45 | 0 56 | 24 51 | 2 5 | 23 22 | 0 35 | 23 0 | 0 9 | 18 37 | 1 55 | 22 54 | 0 19 | 19 58 | 1 34 | 13 8 | 13 45 | 8 31 | 8 35 | 17 0 | 5 11 | 2 43 |
| F 26 | 20 53 | 27 49 | 4 32 | 23 4 | 1 3 | 24 46 | 2 6 | 23 26 | 0 36 | 23 0 | 0 9 | 18 39 | 1 55 | 22 54 | 0 19 | 19 58 | 1 34 | 13 8 | 13 46 | 8 35 | 8 36 | 16 57 | 5 10 | 2 43 |
| S 27 | 21 4 | 26 24 | 3 59 | 23 22 | 1 9 | 24 40 | 2 8 | 23 30 | 0 36 | 22 59 | 0 8 | 18 40 | 1 55 | 22 54 | 0 19 | 19 59 | 1 34 | 13 8 | 13 46 | 8 39 | 8 37 | 16 54 | 5 9 | 2 43 |
| S 28 | 21 14 | 23 46 | 3 15 | 23 39 | 1 15 | 24 33 | 2 9 | 23 34 | 0 37 | 22 59 | 0 8 | 18 42 | 1 55 | 22 54 | 0 19 | 19 59 | 1 34 | 13 8 | 13 47 | 8 42 | 8 38 | 16 52 | 5 9 | 2 42 |
| M29 | 21 25 | 20 9 | 2 23 | 23 55 | 1 20 | 24 26 | 2 11 | 23 38 | 0 37 | 22 58 | 0 8 | 18 43 | 1 55 | 22 55 | 0 19 | 19 59 | 1 34 | 13 8 | 13 47 | 8 44 | 8 39 | 16 49 | 5 8 | 2 42 |
| T 30 | 21s34 | 15s45 | 1s26 | 24s10 | 1s26 | 24s18 | 2s12 | 23s41 | 0s38 | 22s57 | 0n 8 | 18s44 | 1n55 | 22n55 | 0n19 | 20s 0 | 1n34 | 13n 8 | 13n48 | 8s44 | 8s40 | 16s46 | 5n 7 | 2n42 |

Julian Day Number = 2801021.5, Delta T = 50m17s
Ecliptic obliquity = 23°19'04, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°08'01, Lahiri = 37°15'02


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# ASTRODIENST EPHEMERIS for the year 2956
# geocentric

## DECEMBER 2956 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 4 42 43 | 9♐15'41 | 2♓51 | 19♐ 7 | 19♑11 | 22♐25 | 7♑59 | 2♐59 | 13°R54 | 8♐ 7 | 28♍46 | 7°R25 | 7♓33 | 18♒44 | 6°R40 | W 1 |
| T 2 | 4 46 40 | 10°16'06 | 14°43 | 20°39 | 20°22 | 23° 8 | 8°12 | 3° 6 | 13♋52 | 8° 9 | 28°47 | 7♓25 | 7°30 | 18°50 | 6♈39 | T 2 |
| F 3 | 4 50 37 | 11°16'32 | 26°44 | 22°10 | 21°34 | 23°52 | 8°25 | 3°13 | 13°50 | 8°11 | 28°48 | 7°24 | 7°27 | 18°57 | 6°39 | F 3 |
| S 4 | 4 54 33 | 12°17'00 | 9♈ 1 | 23°42 | 22°45 | 24°35 | 8°38 | 3°21 | 13°48 | 8°13 | 28°49 | 7°22 | 7°23 | 19° 4 | 6°38 | S 4 |
| S 5 | 4 58 30 | 13°17'29 | 21°39 | 25°13 | 23°57 | 25°19 | 8°51 | 3°28 | 13°46 | 8°16 | 28°50 | 7°17 | 7°20 | 19°10 | 6°37 | S 5 |
| M 6 | 5 2 26 | 14°18'00 | 4♉39 | 26°44 | 25° 8 | 26° 3 | 9° 4 | 3°35 | 13°44 | 8°18 | 28°50 | 7°10 | 7°17 | 19°17 | 6°37 | M 6 |
| T 7 | 5 6 23 | 15°18'31 | 18° 6 | 28°14 | 26°20 | 26°46 | 9°17 | 3°42 | 13°42 | 8°20 | 28°51 | 7° 0 | 7°14 | 19°24 | 6°36 | T 7 |
| W 8 | 5 10 19 | 16°19'04 | 1♊57 | 29°45 | 27°31 | 27°30 | 9°30 | 3°49 | 13°40 | 8°22 | 28°52 | 6°48 | 7°11 | 19°30 | 6°35 | W 8 |
| T 9 | 5 14 16 | 17°19'39 | 16° 9 | 1♑15 | 28°42 | 28°14 | 9°43 | 3°56 | 13°38 | 8°25 | 28°53 | 6°36 | 7° 8 | 19°37 | 6°35 | T 9 |
| F 10 | 5 18 12 | 18°20'14 | 0♋37 | 2°45 | 29°53 | 28°58 | 9°56 | 4° 3 | 13°35 | 8°27 | 28°53 | 6°24 | 7° 4 | 19°44 | 6°34 | F 10 |
| S 11 | 5 22 9 | 19°20'52 | 15°14 | 4°14 | 1♒ 5 | 29°42 | 10° 9 | 4°10 | 13°33 | 8°29 | 28°54 | 6°15 | 7° 1 | 19°50 | 6°34 | S 11 |
| S 12 | 5 26 6 | 20°21'30 | 29°53 | 5°43 | 2°16 | 0♑26 | 10°23 | 4°17 | 13°31 | 8°31 | 28°55 | 6° 8 | 6°58 | 19°57 | 6°34 | S 12 |
| M13 | 5 30 2 | 21°22'10 | 14♌26 | 7°11 | 3°26 | 1°10 | 10°36 | 4°24 | 13°29 | 8°33 | 28°55 | 6° 4 | 6°55 | 20° 4 | 6°34 | M13 |
| T 14 | 5 33 59 | 22°22'52 | 28°50 | 8°39 | 4°37 | 1°54 | 10°49 | 4°32 | 13°26 | 8°36 | 28°56 | 6° 2 | 6°52 | 20°10 | 6°33 | T 14 |
| W15 | 5 37 55 | 23°23'35 | 13♍ 2 | 10° 7 | 5°48 | 2°38 | 11° 2 | 4°38 | 13°24 | 8°38 | 28°56 | 6°D 2 | 6°49 | 20°17 | 6°33 | W15 |
| T 16 | 5 41 52 | 24°24'20 | 27° 0 | 11°34 | 6°59 | 3°22 | 11°16 | 4°45 | 13°21 | 8°40 | 28°57 | 6°R 2 | 6°45 | 20°24 | 6°33 | T 16 |
| F 17 | 5 45 48 | 25°25'06 | 10♎44 | 13° 0 | 8° 9 | 4° 7 | 11°29 | 4°52 | 13°19 | 8°42 | 28°57 | 6° 1 | 6°42 | 20°30 | 6°D33 | F 17 |
| S 18 | 5 49 45 | 26°25'53 | 24°16 | 14°25 | 9°20 | 4°51 | 11°43 | 4°59 | 13°17 | 8°44 | 28°58 | 5°58 | 6°39 | 20°37 | 6°33 | S 18 |
| S 19 | 5 53 41 | 27°26'42 | 7♏36 | 15°49 | 10°30 | 5°35 | 11°56 | 5° 6 | 13°14 | 8°47 | 28°58 | 5°52 | 6°36 | 20°44 | 6°33 | S 19 |
| M20 | 5 57 38 | 28°27'33 | 20°44 | 17°13 | 11°41 | 6°20 | 12°10 | 5°13 | 13°12 | 8°49 | 28°58 | 5°44 | 6°33 | 20°50 | 6°33 | M20 |
| T 21 | 6 1 35 | 29°28'25 | 3♐41 | 18°34 | 12°51 | 7° 4 | 12°23 | 5°20 | 13° 9 | 8°51 | 28°59 | 5°33 | 6°29 | 20°57 | 6°33 | T 21 |
| W22 | 6 5 31 | 0♑29'17 | 16°26 | 19°55 | 14° 1 | 7°49 | 12°37 | 5°27 | 13° 7 | 8°53 | 28°59 | 5°21 | 6°26 | 21° 3 | 6°34 | W22 |
| T 23 | 6 9 28 | 1°30'11 | 28°59 | 21°13 | 15°11 | 8°33 | 12°50 | 5°33 | 13° 4 | 8°55 | 28°59 | 5° 8 | 6°23 | 21°10 | 6°34 | T 23 |
| F 24 | 6 13 24 | 2°31'06 | 11♑20 | 22°29 | 16°21 | 9°18 | 13° 4 | 5°40 | 13° 2 | 8°57 | 29° 0 | 4°57 | 6°20 | 21°17 | 6°34 | F 24 |
| S 25 | 6 17 21 | 3°32'02 | 23°29 | 23°43 | 17°30 | 10° 3 | 13°17 | 5°47 | 12°59 | 8°59 | 29° 0 | 4°47 | 6°17 | 21°23 | 6°35 | S 25 |
| S 26 | 6 21 17 | 4°32'59 | 5♒29 | 24°54 | 18°40 | 10°47 | 13°31 | 5°54 | 12°57 | 9° 1 | 29° 0 | 4°40 | 6°14 | 21°30 | 6°35 | S 26 |
| M27 | 6 25 14 | 5°33'56 | 17°20 | 26° 2 | 19°50 | 11°32 | 13°45 | 6° 0 | 12°54 | 9° 3 | 29° 0 | 4°36 | 6°10 | 21°37 | 6°36 | M27 |
| T 28 | 6 29 11 | 6°34'54 | 29° 7 | 27° 6 | 20°59 | 12°17 | 13°58 | 6° 7 | 12°52 | 9° 6 | 29° 0 | 4°D34 | 6° 7 | 21°43 | 6°36 | T 28 |
| W29 | 6 33 7 | 7°35'52 | 10♓53 | 28° 6 | 22° 8 | 13° 2 | 14°12 | 6°13 | 12°49 | 9° 8 | 29° 0 | 4°34 | 6° 4 | 21°50 | 6°37 | W29 |
| T 30 | 6 37 4 | 8°36'51 | 22°43 | 29° 0 | 23°17 | 13°47 | 14°26 | 6°20 | 12°47 | 9°10 | 29° 0 | 4°35 | 6° 1 | 21°57 | 6°38 | T 30 |
| F 31 | 6 41 0 | 9♑37'51 | 4♈42 | 29♑49 | 24♒26 | 14♑32 | 14♑39 | 6♐26 | 12♋44 | 9♐12 | 29°R 0 | 4°R36 | 5♓58 | 22♒ 3 | 6♈38 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 21s44 | 10s47 | 0s24 | 24s23 | 1s31 | 24s 9 | 2s13 | 23s44 | 0s38 | 22s57 | 0n 8 | 18s46 | 1n55 | 22n55 | 0n19 | 20s 0 | 1n34 | 13n 8 | 13n48 | 8s45 | 8s42 | 16s43 | 5n 7 | 2n42 | W 1 |
| T 2 | 21 53 | 5 24 | 0n39 | 24 36 | 1 36 | 23 59 | 2 14 | 23 47 | 0 39 | 22 56 | 0 8 | 18 47 | 1 55 | 22 55 | 0 19 | 20 0 | 1 34 | 13 8 | 13 49 | 8 45 | 8 43 | 16 40 | 5 6 | 2 42 | T 2 |
| F 3 | 22 1 | 0n15 | 1 40 | 24 47 | 1 42 | 23 49 | 2 15 | 23 50 | 0 39 | 22 55 | 0 8 | 18 48 | 1 55 | 22 55 | 0 19 | 20 1 | 1 34 | 13 9 | 13 49 | 8 45 | 8 44 | 16 37 | 5 6 | 2 41 | F 3 |
| S 4 | 22 9 | 6 0 | 2 39 | 24 56 | 1 46 | 23 39 | 2 16 | 23 52 | 0 40 | 22 55 | 0 8 | 18 50 | 1 55 | 22 56 | 0 19 | 20 1 | 1 34 | 13 9 | 13 49 | 8 46 | 8 45 | 16 34 | 5 5 | 2 41 | S 4 |
| S 5 | 22 17 | 11 40 | 3 31 | 25 5 | 1 51 | 23 27 | 2 17 | 23 54 | 0 40 | 22 54 | 0 8 | 18 51 | 1 55 | 22 56 | 0 19 | 20 2 | 1 34 | 13 9 | 13 50 | 8 47 | 8 46 | 16 32 | 5 5 | 2 41 | S 5 |
| M 6 | 22 24 | 17 0 | 4 14 | 25 12 | 1 55 | 23 15 | 2 17 | 23 56 | 0 40 | 22 53 | 0 8 | 18 53 | 1 55 | 22 56 | 0 19 | 20 2 | 1 34 | 13 9 | 13 50 | 8 50 | 8 48 | 16 29 | 5 4 | 2 41 | M 6 |
| T 7 | 22 31 | 21 41 | 4 45 | 25 18 | 1 59 | 23 2 | 2 18 | 23 58 | 0 41 | 22 52 | 0 7 | 18 54 | 1 55 | 22 56 | 0 19 | 20 2 | 1 34 | 13 9 | 13 51 | 8 54 | 8 49 | 16 26 | 5 4 | 2 41 | T 7 |
| W 8 | 22 37 | 25 20 | 5 0 | 25 22 | 2 3 | 22 49 | 2 19 | 23 59 | 0 41 | 22 51 | 0 7 | 18 55 | 1 55 | 22 57 | 0 19 | 20 3 | 1 34 | 13 9 | 13 51 | 8 58 | 8 50 | 16 23 | 5 4 | 2 40 | W 8 |
| T 9 | 22 43 | 27 31 | 4 57 | 25 25 | 2 7 | 22 35 | 2 19 | 24 0 | 0 42 | 22 51 | 0 7 | 18 56 | 1 55 | 22 57 | 0 19 | 20 3 | 1 34 | 13 9 | 13 52 | 9 3 | 8 51 | 16 20 | 5 3 | 2 40 | T 9 |
| F 10 | 22 49 | 27 54 | 4 35 | 25 27 | 2 10 | 22 20 | 2 19 | 24 1 | 0 42 | 22 50 | 0 7 | 18 58 | 1 55 | 22 57 | 0 19 | 20 3 | 1 34 | 13 9 | 13 52 | 9 7 | 8 52 | 16 17 | 5 3 | 2 40 | F 10 |
| S 11 | 22 54 | 26 20 | 3 55 | 25 28 | 2 13 | 22 5 | 2 20 | 24 2 | 0 43 | 22 49 | 0 7 | 18 59 | 1 55 | 22 57 | 0 20 | 20 4 | 1 34 | 13 10 | 13 53 | 9 11 | 8 53 | 16 14 | 5 2 | 2 40 | S 11 |
| S 12 | 22 58 | 22 59 | 2 59 | 25 27 | 2 16 | 21 49 | 2 20 | 24 2 | 0 43 | 22 48 | 0 7 | 19 0 | 1 55 | 22 58 | 0 20 | 20 4 | 1 34 | 13 10 | 13 53 | 9 13 | 8 55 | 16 11 | 5 2 | 2 39 | S 12 |
| M13 | 23 2 | 18 12 | 1 52 | 25 25 | 2 18 | 21 33 | 2 20 | 24 2 | 0 44 | 22 47 | 0 7 | 19 2 | 1 55 | 22 58 | 0 20 | 20 4 | 1 34 | 13 10 | 13 54 | 9 15 | 8 56 | 16 8 | 5 2 | 2 39 | M13 |
| T 14 | 23 6 | 12 25 | 0 38 | 25 22 | 2 20 | 21 16 | 2 20 | 24 2 | 0 44 | 22 46 | 0 7 | 19 3 | 1 55 | 22 58 | 0 20 | 20 5 | 1 34 | 13 10 | 13 54 | 9 15 | 8 57 | 16 6 | 5 2 | 2 39 | T 14 |
| W15 | 23 9 | 6 4 | 0s37 | 25 17 | 2 21 | 20 59 | 2 19 | 24 2 | 0 45 | 22 45 | 0 7 | 19 4 | 1 55 | 22 58 | 0 20 | 20 5 | 1 34 | 13 10 | 13 55 | 9 15 | 8 58 | 16 3 | 5 1 | 2 39 | W15 |
| T 16 | 23 12 | 0s29 | 1 49 | 25 11 | 2 22 | 20 41 | 2 19 | 24 2 | 0 45 | 22 44 | 0 7 | 19 5 | 1 55 | 22 59 | 0 20 | 20 5 | 1 34 | 13 11 | 13 55 | 9 15 | 8 59 | 16 0 | 5 1 | 2 39 | T 16 |
| F 17 | 23 14 | 6 53 | 2 53 | 25 3 | 2 23 | 20 22 | 2 19 | 24 1 | 0 46 | 22 43 | 0 7 | 19 6 | 1 55 | 22 59 | 0 20 | 20 6 | 1 34 | 13 11 | 13 56 | 9 15 | 9 0 | 15 57 | 5 1 | 2 38 | F 17 |
| S 18 | 23 16 | 12 52 | 3 47 | 24 55 | 2 23 | 20 3 | 2 18 | 24 0 | 0 46 | 22 42 | 0 6 | 19 8 | 1 55 | 22 59 | 0 20 | 20 6 | 1 34 | 13 11 | 13 56 | 9 17 | 9 2 | 15 54 | 5 1 | 2 38 | S 18 |
| S 19 | 23 18 | 18 11 | 4 27 | 24 45 | 2 23 | 19 43 | 2 17 | 23 58 | 0 46 | 22 41 | 0 6 | 19 9 | 1 55 | 22 59 | 0 20 | 20 6 | 1 34 | 13 12 | 13 57 | 9 19 | 9 3 | 15 51 | 5 1 | 2 38 | S 19 |
| M20 | 23 19 | 22 32 | 4 52 | 24 33 | 2 22 | 19 23 | 2 17 | 23 57 | 0 47 | 22 40 | 0 6 | 19 10 | 1 55 | 23 0 | 0 20 | 20 6 | 1 34 | 13 12 | 13 57 | 9 22 | 9 4 | 15 48 | 5 0 | 2 38 | M20 |
| T 21 | 23 19 | 25 44 | 5 2 | 24 21 | 2 20 | 19 3 | 2 16 | 23 55 | 0 47 | 22 39 | 0 6 | 19 11 | 1 56 | 23 0 | 0 20 | 20 7 | 1 34 | 13 12 | 13 58 | 9 26 | 9 5 | 15 45 | 5 0 | 2 38 | T 21 |
| W22 | 23 19 | 27 33 | 4 57 | 24 7 | 2 18 | 18 41 | 2 15 | 23 53 | 0 48 | 22 37 | 0 6 | 19 12 | 1 56 | 23 0 | 0 20 | 20 7 | 1 34 | 13 13 | 13 58 | 9 30 | 9 6 | 15 42 | 5 0 | 2 37 | W22 |
| T 23 | 23 19 | 27 56 | 4 37 | 23 52 | 2 15 | 18 20 | 2 14 | 23 51 | 0 48 | 22 36 | 0 6 | 19 13 | 1 56 | 23 0 | 0 20 | 20 7 | 1 34 | 13 13 | 13 59 | 9 35 | 9 7 | 15 39 | 5 0 | 2 37 | T 23 |
| F 24 | 23 18 | 26 54 | 4 5 | 23 37 | 2 11 | 17 58 | 2 12 | 23 48 | 0 49 | 22 35 | 0 6 | 19 15 | 1 56 | 23 1 | 0 20 | 20 8 | 1 34 | 13 13 | 13 59 | 9 39 | 9 9 | 15 36 | 5 0 | 2 37 | F 24 |
| S 25 | 23 16 | 24 35 | 3 21 | 23 20 | 2 7 | 17 35 | 2 11 | 23 45 | 0 49 | 22 34 | 0 6 | 19 16 | 1 56 | 23 1 | 0 20 | 20 8 | 1 34 | 13 14 | 14 0 | 9 42 | 9 10 | 15 33 | 5 0 | 2 37 | S 25 |
| S 26 | 23 14 | 21 13 | 2 29 | 23 2 | 2 2 | 17 13 | 2 10 | 23 42 | 0 49 | 22 32 | 0 6 | 19 17 | 1 56 | 23 1 | 0 20 | 20 8 | 1 34 | 13 14 | 14 0 | 9 45 | 9 11 | 15 30 | 5 0 | 2 36 | S 26 |
| M27 | 23 12 | 17 0 | 1 31 | 22 44 | 1 56 | 16 49 | 2 8 | 23 39 | 0 50 | 22 31 | 0 6 | 19 18 | 1 56 | 23 1 | 0 20 | 20 9 | 1 34 | 13 14 | 14 1 | 9 46 | 9 12 | 15 27 | 5 0 | 2 36 | M27 |
| T 28 | 23 9 | 12 11 | 0 29 | 22 24 | 1 49 | 16 26 | 2 6 | 23 35 | 0 50 | 22 30 | 0 5 | 19 19 | 1 56 | 23 2 | 0 20 | 20 9 | 1 34 | 13 15 | 14 1 | 9 47 | 9 13 | 15 24 | 5 0 | 2 36 | T 28 |
| W29 | 23 6 | 6 56 | 0n34 | 22 5 | 1 40 | 16 1 | 2 5 | 23 31 | 0 51 | 22 29 | 0 5 | 19 20 | 1 56 | 23 2 | 0 20 | 20 9 | 1 34 | 13 15 | 14 2 | 9 47 | 9 14 | 15 22 | 5 0 | 2 36 | W29 |
| T 30 | 23 2 | 1 24 | 1 36 | 21 45 | 1 31 | 15 37 | 2 3 | 23 27 | 0 51 | 22 27 | 0 5 | 19 21 | 1 56 | 23 2 | 0 20 | 20 9 | 1 34 | 13 16 | 14 2 | 9 47 | 9 16 | 15 19 | 5 0 | 2 36 | T 30 |
| F 31 | 22s58 | 4n14 | 2n35 | 21s24 | 1s21 | 15s12 | 2s 0 | 23s23 | 0s51 | 22s26 | 0n 5 | 19s22 | 1n56 | 23n 2 | 0n20 | 20s10 | 1n34 | 13n16 | 14n 3 | 9s46 | 9s17 | 15s16 | 5n 0 | 2n35 | F 31 |

Julian Day Number = 2801051.5, Delta T = 50m18s
Ecliptic obliquity = 23°19'03, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°08'06, Lahiri = 37°15'06


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# ASTRODIENST EPHEMERIS for the year 2957
# geocentric

## JANUARY 2957 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 44 57 | 10♑38'51 | 16♈56 | 0♒32 | 25♒35 | 15♑17 | 14♑53 | 6♐33 | 12°R41 | 9♐14 | 29°R 0 | 4°R36 | 5♓55 | 22♒10 | 6♈39 | S 1 |
| S 2 | 6 48 53 | 11°39'51 | 29°30 | 1° 6 | 26°44 | 16° 2 | 15° 7 | 6°39 | 12♋39 | 9°16 | 29♍ 0 | 4♓34 | 5°51 | 22°17 | 6°40 | S 2 |
| M 3 | 6 52 50 | 12°40'52 | 12♉28 | 1°33 | 27°52 | 16°47 | 15°21 | 6°45 | 12°36 | 9°18 | 29° 0 | 4°30 | 5°48 | 22°23 | 6°41 | M 3 |
| T 4 | 6 56 46 | 13°41'53 | 25°54 | 1°50 | 29° 1 | 17°33 | 15°34 | 6°52 | 12°34 | 9°19 | 29° 0 | 4°24 | 5°45 | 22°30 | 6°42 | T 4 |
| W 5 | 7 0 43 | 14°42'55 | 9♊48 | 1°R58 | 0♓ 9 | 18°18 | 15°48 | 6°58 | 12°31 | 9°21 | 29° 0 | 4°17 | 5°42 | 22°37 | 6°43 | W 5 |
| T 6 | 7 4 40 | 15°43'57 | 24°10 | 1°54 | 1°17 | 19° 3 | 16° 2 | 7° 4 | 12°29 | 9°23 | 29° 0 | 4° 8 | 5°39 | 22°43 | 6°44 | T 6 |
| F 7 | 7 8 36 | 16°44'59 | 8♋53 | 1°40 | 2°25 | 19°48 | 16°16 | 7°10 | 12°26 | 9°25 | 28°59 | 4° 1 | 5°35 | 22°50 | 6°45 | F 7 |
| S 8 | 7 12 33 | 17°46'02 | 23°50 | 1°13 | 3°32 | 20°34 | 16°29 | 7°16 | 12°23 | 9°27 | 28°59 | 3°54 | 5°32 | 22°57 | 6°46 | S 8 |
| S 9 | 7 16 29 | 18°47'05 | 8♌53 | 0°35 | 4°40 | 21°19 | 16°43 | 7°22 | 12°21 | 9°29 | 28°59 | 3°50 | 5°29 | 23° 3 | 6°48 | S 9 |
| M10 | 7 20 26 | 19°48'08 | 23°52 | 29♑45 | 5°47 | 22° 5 | 16°57 | 7°28 | 12°18 | 9°31 | 28°59 | 3°47 | 5°26 | 23°10 | 6°49 | M10 |
| T 11 | 7 24 22 | 20°49'12 | 8♍39 | 28°45 | 6°54 | 22°50 | 17°10 | 7°34 | 12°16 | 9°33 | 28°58 | 3°D47 | 5°23 | 23°16 | 6°50 | T 11 |
| W12 | 7 28 19 | 21°50'17 | 23° 9 | 27°36 | 8° 0 | 23°36 | 17°24 | 7°40 | 12°13 | 9°34 | 28°58 | 3°48 | 5°20 | 23°23 | 6°52 | W12 |
| T 13 | 7 32 16 | 22°51'22 | 7♎19 | 26°20 | 9° 7 | 24°21 | 17°38 | 7°46 | 12°11 | 9°36 | 28°58 | 3°49 | 5°16 | 23°30 | 6°53 | T 13 |
| F 14 | 7 36 12 | 23°52'27 | 21° 7 | 25° 0 | 10°13 | 25° 7 | 17°52 | 7°52 | 12° 8 | 9°38 | 28°57 | 3°R50 | 5°13 | 23°36 | 6°55 | F 14 |
| S 15 | 7 40 9 | 24°53'34 | 4♏36 | 23°39 | 11°19 | 25°53 | 18° 5 | 7°57 | 12° 6 | 9°40 | 28°57 | 3°50 | 5°10 | 23°43 | 6°56 | S 15 |
| S 16 | 7 44 5 | 25°54'40 | 17°46 | 22°18 | 12°25 | 26°38 | 18°19 | 8° 3 | 12° 3 | 9°41 | 28°56 | 3°48 | 5° 7 | 23°50 | 6°58 | S 16 |
| M17 | 7 48 2 | 26°55'47 | 0♐39 | 21° 0 | 13°31 | 27°24 | 18°33 | 8° 9 | 12° 1 | 9°43 | 28°56 | 3°44 | 5° 4 | 23°56 | 7° 0 | M17 |
| T 18 | 7 51 58 | 27°56'55 | 13°19 | 19°48 | 14°36 | 28°10 | 18°46 | 8°14 | 11°58 | 9°45 | 28°55 | 3°38 | 5° 1 | 24° 3 | 7° 1 | T 18 |
| W19 | 7 55 55 | 28°58'02 | 25°45 | 18°44 | 15°41 | 28°56 | 19° 0 | 8°20 | 11°56 | 9°46 | 28°54 | 3°32 | 4°57 | 24°10 | 7° 3 | W19 |
| T 20 | 7 59 51 | 29°59'10 | 8♑ 2 | 17°49 | 16°46 | 29°42 | 19°14 | 8°25 | 11°54 | 9°48 | 28°54 | 3°25 | 4°54 | 24°16 | 7° 5 | T 20 |
| F 21 | 8 3 48 | 1♒ 0'18 | 20° 8 | 17° 3 | 17°50 | 0♒28 | 19°27 | 8°30 | 11°51 | 9°49 | 28°53 | 3°19 | 4°51 | 24°23 | 7° 7 | F 21 |
| S 22 | 8 7 45 | 2° 1'26 | 2♒ 7 | 16°28 | 18°55 | 1°14 | 19°41 | 8°36 | 11°49 | 9°51 | 28°52 | 3°15 | 4°48 | 24°30 | 7° 9 | S 22 |
| S 23 | 8 11 41 | 3° 2'34 | 14° 0 | 16° 3 | 19°59 | 2° 0 | 19°55 | 8°41 | 11°46 | 9°53 | 28°52 | 3°11 | 4°45 | 24°36 | 7°10 | S 23 |
| M24 | 8 15 38 | 4° 3'42 | 25°49 | 15°47 | 21° 2 | 2°46 | 20° 8 | 8°46 | 11°44 | 9°54 | 28°51 | 3° 9 | 4°41 | 24°43 | 7°12 | M24 |
| T 25 | 8 19 34 | 5° 4'49 | 7♓35 | 15°D41 | 22° 5 | 3°32 | 20°22 | 8°51 | 11°42 | 9°56 | 28°50 | 3°D 9 | 4°38 | 24°50 | 7°15 | T 25 |
| W26 | 8 23 31 | 6° 5'56 | 19°22 | 15°43 | 23° 8 | 4°18 | 20°35 | 8°56 | 11°40 | 9°57 | 28°49 | 3°10 | 4°35 | 24°56 | 7°17 | W26 |
| T 27 | 8 27 27 | 7° 7'02 | 1♈13 | 15°54 | 24°11 | 5° 4 | 20°49 | 9° 1 | 11°37 | 9°58 | 28°49 | 3°12 | 4°32 | 25° 3 | 7°19 | T 27 |
| F 28 | 8 31 24 | 8° 8'08 | 13°13 | 16°13 | 25°13 | 5°51 | 21° 2 | 9° 6 | 11°35 | 10° 0 | 28°48 | 3°14 | 4°29 | 25° 9 | 7°21 | F 28 |
| S 29 | 8 35 20 | 9° 9'13 | 25°25 | 16°38 | 26°15 | 6°37 | 21°16 | 9°10 | 11°33 | 10° 1 | 28°47 | 3°15 | 4°26 | 25°16 | 7°23 | S 29 |
| S 30 | 8 39 17 | 10°10'18 | 7♉55 | 17° 9 | 27°16 | 7°23 | 21°29 | 9°15 | 11°31 | 10° 3 | 28°46 | 3°R16 | 4°22 | 25°23 | 7°25 | S 30 |
| M31 | 8 43 14 | 11♒11'22 | 20♉47 | 17♑46 | 28♓17 | 8♒10 | 21♑42 | 9♐20 | 11♋29 | 10♐ 4 | 28♍45 | 3♓16 | 4♓19 | 25♒29 | 7♈28 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s54 | 9n49 | 3n28 | 21s 4 | 1s10 | 14s47 | 1s58 | 23s18 | 0s52 | 22s24 | 0n 5 | 19s23 | 1n56 | 23n 3 | 0n20 | 20s10 | 1n34 | 13n17 | 14n 3 | 9s47 | 9s18 | 15s13 | 5n 0 | 2n35 |
| S 2 | 22 48 | 15 10 | 4 12 | 20 44 | 0 57 | 14 21 | 1 56 | 23 13 | 0 52 | 22 23 | 0 5 | 19 24 | 1 56 | 23 3 | 0 20 | 20 10 | 1 34 | 13 17 | 14 4 | 9 47 | 9 19 | 15 10 | 5 0 | 2 35 |
| M 3 | 22 43 | 20 2 | 4 45 | 20 25 | 0 43 | 13 56 | 1 53 | 23 8 | 0 53 | 22 21 | 0 5 | 19 25 | 1 56 | 23 3 | 0 20 | 20 11 | 1 34 | 13 18 | 14 4 | 9 49 | 9 20 | 15 7 | 5 1 | 2 35 |
| T 4 | 22 37 | 24 3 | 5 4 | 20 7 | 0 28 | 13 30 | 1 51 | 23 3 | 0 53 | 22 20 | 0 5 | 19 26 | 1 56 | 23 3 | 0 20 | 20 11 | 1 34 | 13 18 | 14 5 | 9 51 | 9 21 | 15 4 | 5 1 | 2 34 |
| W 5 | 22 31 | 26 51 | 5 6 | 19 49 | 0 12 | 13 3 | 1 48 | 22 57 | 0 53 | 22 19 | 0 5 | 19 27 | 1 56 | 23 4 | 0 20 | 20 11 | 1 34 | 13 19 | 14 5 | 9 54 | 9 23 | 15 1 | 5 1 | 2 34 |
| T 6 | 22 24 | 28 0 | 4 49 | 19 33 | 0n 5 | 12 36 | 1 45 | 22 51 | 0 54 | 22 17 | 0 5 | 19 28 | 1 56 | 23 4 | 0 20 | 20 11 | 1 34 | 13 19 | 14 6 | 9 56 | 9 24 | 14 58 | 5 1 | 2 34 |
| F 7 | 22 16 | 27 14 | 4 13 | 19 19 | 0 23 | 12 9 | 1 42 | 22 45 | 0 54 | 22 15 | 0 5 | 19 29 | 1 57 | 23 4 | 0 20 | 20 12 | 1 35 | 13 20 | 14 6 | 9 59 | 9 25 | 14 55 | 5 2 | 2 34 |
| S 8 | 22 9 | 24 30 | 3 19 | 19 6 | 0 42 | 11 42 | 1 39 | 22 39 | 0 54 | 22 14 | 0 5 | 19 30 | 1 57 | 23 4 | 0 20 | 20 12 | 1 35 | 13 20 | 14 7 | 10 2 | 9 26 | 14 52 | 5 2 | 2 34 |
| S 9 | 22 0 | 20 3 | 2 11 | 18 55 | 1 2 | 11 15 | 1 36 | 22 32 | 0 55 | 22 12 | 0 4 | 19 31 | 1 57 | 23 5 | 0 20 | 20 12 | 1 35 | 13 21 | 14 7 | 10 3 | 9 27 | 14 49 | 5 2 | 2 33 |
| M10 | 21 52 | 14 21 | 0 54 | 18 46 | 1 21 | 10 47 | 1 33 | 22 25 | 0 55 | 22 11 | 0 4 | 19 32 | 1 57 | 23 5 | 0 20 | 20 12 | 1 35 | 13 21 | 14 8 | 10 4 | 9 28 | 14 46 | 5 2 | 2 33 |
| T 11 | 21 43 | 7 53 | 0s26 | 18 40 | 1 41 | 10 19 | 1 29 | 22 18 | 0 55 | 22 9 | 0 4 | 19 32 | 1 57 | 23 5 | 0 20 | 20 13 | 1 35 | 13 22 | 14 8 | 10 4 | 9 29 | 14 43 | 5 3 | 2 33 |
| W12 | 21 33 | 1 8 | 1 43 | 18 35 | 1 59 | 9 51 | 1 26 | 22 11 | 0 56 | 22 7 | 0 4 | 19 33 | 1 57 | 23 5 | 0 20 | 20 13 | 1 35 | 13 22 | 14 8 | 10 4 | 9 31 | 14 40 | 5 3 | 2 33 |
| T 13 | 21 24 | 5s31 | 2 52 | 18 33 | 2 16 | 9 23 | 1 22 | 22 3 | 0 56 | 22 6 | 0 4 | 19 34 | 1 57 | 23 6 | 0 20 | 20 13 | 1 35 | 13 23 | 14 9 | 10 3 | 9 32 | 14 37 | 5 3 | 2 33 |
| F 14 | 21 13 | 11 44 | 3 49 | 18 32 | 2 32 | 8 54 | 1 18 | 21 56 | 0 56 | 22 4 | 0 4 | 19 35 | 1 57 | 23 6 | 0 20 | 20 13 | 1 35 | 13 24 | 14 9 | 10 3 | 9 33 | 14 34 | 5 4 | 2 32 |
| S 15 | 21 3 | 17 15 | 4 32 | 18 33 | 2 45 | 8 25 | 1 14 | 21 47 | 0 57 | 22 2 | 0 4 | 19 36 | 1 57 | 23 6 | 0 20 | 20 13 | 1 35 | 13 24 | 14 10 | 10 3 | 9 34 | 14 31 | 5 4 | 2 32 |
| S 16 | 20 51 | 21 49 | 4 59 | 18 35 | 2 57 | 7 56 | 1 10 | 21 39 | 0 57 | 22 1 | 0 4 | 19 36 | 1 57 | 23 6 | 0 20 | 20 14 | 1 35 | 13 25 | 14 10 | 10 4 | 9 35 | 14 28 | 5 5 | 2 32 |
| M17 | 20 40 | 25 15 | 5 11 | 18 38 | 3 5 | 7 27 | 1 5 | 21 31 | 0 57 | 21 59 | 0 4 | 19 37 | 1 57 | 23 6 | 0 20 | 20 14 | 1 35 | 13 25 | 14 11 | 10 5 | 9 36 | 14 25 | 5 5 | 2 32 |
| T 18 | 20 28 | 27 21 | 5 7 | 18 42 | 3 12 | 6 58 | 1 1 | 21 22 | 0 58 | 21 57 | 0 4 | 19 38 | 1 58 | 23 7 | 0 20 | 20 14 | 1 35 | 13 26 | 14 11 | 10 7 | 9 38 | 14 22 | 5 6 | 2 32 |
| W19 | 20 16 | 28 3 | 4 48 | 18 47 | 3 15 | 6 29 | 0 56 | 21 13 | 0 58 | 21 55 | 0 4 | 19 39 | 1 58 | 23 7 | 0 20 | 20 14 | 1 35 | 13 27 | 14 12 | 10 10 | 9 39 | 14 19 | 5 6 | 2 31 |
| T 20 | 20 3 | 27 21 | 4 17 | 18 53 | 3 16 | 6 0 | 0 52 | 21 4 | 0 58 | 21 53 | 0 3 | 19 39 | 1 58 | 23 7 | 0 20 | 20 14 | 1 35 | 13 27 | 14 12 | 10 12 | 9 40 | 14 16 | 5 7 | 2 31 |
| F 21 | 19 50 | 25 20 | 3 34 | 19 0 | 3 16 | 5 30 | 0 47 | 20 54 | 0 59 | 21 52 | 0 3 | 19 40 | 1 58 | 23 7 | 0 20 | 20 15 | 1 35 | 13 28 | 14 13 | 10 14 | 9 41 | 14 13 | 5 7 | 2 31 |
| S 22 | 19 37 | 22 13 | 2 42 | 19 7 | 3 13 | 5 1 | 0 42 | 20 44 | 0 59 | 21 50 | 0 3 | 19 41 | 1 58 | 23 8 | 0 20 | 20 15 | 1 35 | 13 29 | 14 13 | 10 16 | 9 42 | 14 10 | 5 8 | 2 31 |
| S 23 | 19 23 | 18 11 | 1 43 | 19 14 | 3 9 | 4 31 | 0 37 | 20 34 | 0 59 | 21 48 | 0 3 | 19 42 | 1 58 | 23 8 | 0 20 | 20 15 | 1 35 | 13 29 | 14 14 | 10 17 | 9 43 | 14 7 | 5 8 | 2 31 |
| M24 | 19 9 | 13 29 | 0 40 | 19 22 | 3 3 | 4 1 | 0 32 | 20 24 | 0 59 | 21 46 | 0 3 | 19 42 | 1 58 | 23 8 | 0 20 | 20 15 | 1 35 | 13 30 | 14 14 | 10 18 | 9 45 | 14 4 | 5 9 | 2 30 |
| T 25 | 18 54 | 8 18 | 0n24 | 19 29 | 2 56 | 3 32 | 0 26 | 20 14 | 1 0 | 21 44 | 0 3 | 19 43 | 1 58 | 23 8 | 0 20 | 20 15 | 1 35 | 13 31 | 14 14 | 10 18 | 9 46 | 14 1 | 5 10 | 2 30 |
| W26 | 18 39 | 2 50 | 1 28 | 19 37 | 2 48 | 3 2 | 0 21 | 20 3 | 1 0 | 21 42 | 0 3 | 19 44 | 1 58 | 23 8 | 0 20 | 20 16 | 1 35 | 13 32 | 14 15 | 10 17 | 9 47 | 13 58 | 5 10 | 2 30 |
| T 27 | 18 24 | 2n45 | 2 28 | 19 44 | 2 40 | 2 32 | 0 15 | 19 52 | 1 0 | 21 40 | 0 3 | 19 44 | 1 59 | 23 9 | 0 20 | 20 16 | 1 35 | 13 32 | 14 15 | 10 17 | 9 48 | 13 55 | 5 11 | 2 30 |
| F 28 | 18 8 | 8 19 | 3 23 | 19 51 | 2 31 | 2 2 | 0 10 | 19 41 | 1 0 | 21 38 | 0 3 | 19 45 | 1 59 | 23 9 | 0 20 | 20 16 | 1 35 | 13 33 | 14 16 | 10 16 | 9 49 | 13 51 | 5 12 | 2 30 |
| S 29 | 17 53 | 13 39 | 4 10 | 19 57 | 2 21 | 1 32 | 0 4 | 19 30 | 1 1 | 21 36 | 0 3 | 19 45 | 1 59 | 23 9 | 0 20 | 20 16 | 1 35 | 13 34 | 14 16 | 10 16 | 9 50 | 13 48 | 5 12 | 2 29 |
| S 30 | 17 36 | 18 35 | 4 46 | 20 3 | 2 11 | 1 3 | 0n 2 | 19 19 | 1 1 | 21 34 | 0 3 | 19 46 | 1 59 | 23 9 | 0 20 | 20 16 | 1 35 | 13 34 | 14 16 | 10 15 | 9 51 | 13 45 | 5 13 | 2 29 |
| M31 | 17s20 | 22n49 | 5n 8 | 20s 9 | 2n 1 | 0s33 | 0n 8 | 19s 7 | 1s 1 | 21s32 | 0n 2 | 19s46 | 1n59 | 23n 9 | 0n20 | 20s16 | 1n35 | 13n35 | 14n17 | 10s16 | 9s53 | 13s42 | 5n14 | 2n29 |

Julian Day Number = 2801082.5, Delta T = 50m18s
Ecliptic obliquity = 23°19'03, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°08'10, Lahiri = 37°15'10


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# ASTRODIENST EPHEMERIS for the year 2957
# geocentric

## FEBRUARY 2957 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 47 10 | 12♒12'26 | 4♊ 4 | 18♑28 | 29♓18 | 8♒56 | 21♑56 | 9♐24 | 11°R26 | 10♐ 5 | 28°R44 | 3°R14 | 4♓16 | 25♒36 | 7♈30 | T 1 |
| W 2 | 8 51 7 | 13°13'28 | 17°50 | 19°15 | 0♈18 | 9°42 | 22° 9 | 9°29 | 11♋24 | 10° 6 | 28♍43 | 3♓12 | 4°13 | 25°43 | 7°32 | W 2 |
| T 3 | 8 55 3 | 14°14'30 | 2♋ 4 | 20° 6 | 1°18 | 10°29 | 22°22 | 9°33 | 11°22 | 10° 8 | 28°42 | 3°10 | 4°10 | 25°49 | 7°35 | T 3 |
| F 4 | 8 59 0 | 15°15'32 | 16°43 | 21° 1 | 2°17 | 11°15 | 22°36 | 9°37 | 11°20 | 10° 9 | 28°41 | 3° 7 | 4° 7 | 25°56 | 7°37 | F 4 |
| S 5 | 9 2 56 | 16°16'32 | 1♌43 | 21°59 | 3°16 | 12° 2 | 22°49 | 9°42 | 11°18 | 10°10 | 28°40 | 3° 5 | 4° 3 | 26° 3 | 7°40 | S 5 |
| S 6 | 9 6 53 | 17°17'32 | 16°55 | 22°59 | 4°14 | 12°48 | 23° 2 | 9°46 | 11°16 | 10°11 | 28°39 | 3° 4 | 4° 0 | 26° 9 | 7°42 | S 6 |
| M 7 | 9 10 49 | 18°18'31 | 2♍ 9 | 24° 3 | 5°11 | 13°35 | 23°15 | 9°50 | 11°14 | 10°12 | 28°38 | 3°D 3 | 3°57 | 26°16 | 7°45 | M 7 |
| T 8 | 9 14 46 | 19°19'29 | 17°16 | 25° 9 | 6° 8 | 14°21 | 23°28 | 9°54 | 11°13 | 10°13 | 28°37 | 3° 3 | 3°54 | 26°23 | 7°48 | T 8 |
| W 9 | 9 18 43 | 20°20'27 | 2♎ 7 | 26°18 | 7° 5 | 15° 8 | 23°41 | 9°58 | 11°11 | 10°14 | 28°36 | 3° 4 | 3°51 | 26°29 | 7°50 | W 9 |
| T 10 | 9 22 39 | 21°21'24 | 16°35 | 27°28 | 8° 1 | 15°55 | 23°54 | 10° 1 | 11° 9 | 10°15 | 28°34 | 3° 5 | 3°47 | 26°36 | 7°53 | T 10 |
| F 11 | 9 26 36 | 22°22'21 | 0♏38 | 28°40 | 8°56 | 16°41 | 24° 7 | 10° 5 | 11° 7 | 10°16 | 28°33 | 3° 6 | 3°44 | 26°43 | 7°56 | F 11 |
| S 12 | 9 30 32 | 23°23'17 | 14°16 | 29°55 | 9°51 | 17°28 | 24°20 | 10° 9 | 11° 5 | 10°17 | 28°32 | 3° 7 | 3°41 | 26°49 | 7°59 | S 12 |
| S 13 | 9 34 29 | 24°24'13 | 27°28 | 1♒10 | 10°45 | 18°15 | 24°33 | 10°12 | 11° 4 | 10°18 | 28°31 | 3°R 7 | 3°38 | 26°56 | 8° 1 | S 13 |
| M14 | 9 38 25 | 25°25'09 | 10♐18 | 2°27 | 11°39 | 19° 2 | 24°46 | 10°16 | 11° 2 | 10°19 | 28°30 | 3° 7 | 3°35 | 27° 2 | 8° 4 | M14 |
| T 15 | 9 42 22 | 26°26'03 | 22°50 | 3°46 | 12°31 | 19°48 | 24°59 | 10°19 | 11° 0 | 10°20 | 28°28 | 3° 6 | 3°32 | 27° 9 | 8° 7 | T 15 |
| W16 | 9 46 18 | 27°26'57 | 5♑ 6 | 5° 6 | 13°23 | 20°35 | 25°11 | 10°22 | 10°59 | 10°21 | 28°27 | 3° 5 | 3°28 | 27°16 | 8°10 | W16 |
| T 17 | 9 50 15 | 28°27'50 | 17°11 | 6°27 | 14°15 | 21°22 | 25°24 | 10°25 | 10°57 | 10°22 | 28°26 | 3° 4 | 3°25 | 27°22 | 8°13 | T 17 |
| F 18 | 9 54 12 | 29°28'42 | 29° 7 | 7°49 | 15° 5 | 22° 9 | 25°37 | 10°29 | 10°56 | 10°22 | 28°24 | 3° 4 | 3°22 | 27°29 | 8°16 | F 18 |
| S 19 | 9 58 8 | 0♓29'34 | 10♒58 | 9°12 | 15°55 | 22°56 | 25°49 | 10°32 | 10°55 | 10°23 | 28°23 | 3° 4 | 3°19 | 27°36 | 8°19 | S 19 |
| S 20 | 10 2 5 | 1°30'24 | 22°46 | 10°37 | 16°43 | 23°43 | 26° 2 | 10°34 | 10°53 | 10°24 | 28°22 | 3° 3 | 3°16 | 27°42 | 8°22 | S 20 |
| M21 | 10 6 1 | 2°31'13 | 4♓33 | 12° 2 | 17°31 | 24°30 | 26°14 | 10°37 | 10°52 | 10°24 | 28°20 | 3° 3 | 3°13 | 27°49 | 8°25 | M21 |
| T 22 | 10 9 58 | 3°32'01 | 16°21 | 13°29 | 18°18 | 25°17 | 26°26 | 10°40 | 10°51 | 10°25 | 28°19 | 3° 3 | 3° 9 | 27°56 | 8°28 | T 22 |
| W23 | 10 13 54 | 4°32'48 | 28°13 | 14°56 | 19° 5 | 26° 4 | 26°39 | 10°43 | 10°49 | 10°26 | 28°18 | 3° 3 | 3° 6 | 28° 2 | 8°31 | W23 |
| T 24 | 10 17 51 | 5°33'33 | 10♈11 | 16°24 | 19°50 | 26°51 | 26°51 | 10°45 | 10°48 | 10°26 | 28°16 | 3° 3 | 3° 3 | 28° 9 | 8°34 | T 24 |
| F 25 | 10 21 47 | 6°34'17 | 22°18 | 17°53 | 20°34 | 27°38 | 27° 3 | 10°47 | 10°47 | 10°27 | 28°15 | 3° 3 | 3° 0 | 28°16 | 8°38 | F 25 |
| S 26 | 10 25 44 | 7°35'00 | 4♉35 | 19°23 | 21°17 | 28°25 | 27°15 | 10°50 | 10°46 | 10°27 | 28°13 | 3° 2 | 2°57 | 28°22 | 8°41 | S 26 |
| S 27 | 10 29 41 | 8°35'41 | 17° 7 | 20°54 | 21°59 | 29°12 | 27°27 | 10°52 | 10°45 | 10°28 | 28°12 | 3° 2 | 2°53 | 28°29 | 8°44 | S 27 |
| M28 | 10 33 37 | 9♓36'21 | 29♉57 | 22♒26 | 22♈39 | 29♒59 | 27♑39 | 10♐54 | 10♋44 | 10♐28 | 28♍10 | 3♓ 1 | 2♓50 | 28♒35 | 8♈47 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s 3 | 26n 1 | 5n16 | 20s13 | 1n51 | 0s 3 | 0n15 | 18s55 | 1s 1 | 21s30 | 0n 2 | 19s47 | 1n59 | 23n10 | 0n20 | 20s16 | 1n35 | 13n36 | 14n17 | 10s16 | 9s54 | 13s39 | 5n15 | 2n29 |
| W 2 | 16 46 | 27 50 | 5 6 | 20 17 | 1 41 | 0n26 | 0 21 | 18 43 | 1 2 | 21 28 | 0 2 | 19 48 | 1 59 | 23 10 | 0 20 | 20 17 | 1 35 | 13 37 | 14 18 | 10 17 | 9 55 | 13 36 | 5 15 | 2 29 |
| T 3 | 16 28 | 27 55 | 4 37 | 20 20 | 1 30 | 0 56 | 0 28 | 18 31 | 1 2 | 21 26 | 0 2 | 19 48 | 1 59 | 23 10 | 0 20 | 20 17 | 1 36 | 13 37 | 14 18 | 10 18 | 9 56 | 13 33 | 5 16 | 2 29 |
| F 4 | 16 11 | 26 4 | 3 49 | 20 22 | 1 20 | 1 26 | 0 34 | 18 18 | 1 2 | 21 24 | 0 2 | 19 49 | 2 0 | 23 10 | 0 20 | 20 17 | 1 36 | 13 38 | 14 18 | 10 19 | 9 57 | 13 30 | 5 17 | 2 28 |
| S 5 | 15 53 | 22 21 | 2 45 | 20 23 | 1 10 | 1 55 | 0 41 | 18 6 | 1 2 | 21 22 | 0 2 | 19 49 | 2 0 | 23 10 | 0 20 | 20 17 | 1 36 | 13 39 | 14 19 | 10 19 | 9 58 | 13 27 | 5 18 | 2 28 |
| S 6 | 15 34 | 17 5 | 1 28 | 20 23 | 1 0 | 2 24 | 0 48 | 17 53 | 1 2 | 21 20 | 0 2 | 19 49 | 2 0 | 23 10 | 0 20 | 20 17 | 1 36 | 13 40 | 14 19 | 10 20 | 9 59 | 13 24 | 5 19 | 2 28 |
| M 7 | 15 16 | 10 44 | 0 5 | 20 22 | 0 50 | 2 54 | 0 55 | 17 40 | 1 3 | 21 18 | 0 2 | 19 50 | 2 0 | 23 11 | 0 20 | 20 17 | 1 36 | 13 40 | 14 20 | 10 20 | 10 1 | 13 21 | 5 20 | 2 28 |
| T 8 | 14 57 | 3 48 | 1s18 | 20 20 | 0 40 | 3 23 | 1 2 | 17 27 | 1 3 | 21 16 | 0 2 | 19 50 | 2 0 | 23 11 | 0 20 | 20 17 | 1 36 | 13 41 | 14 20 | 10 20 | 10 2 | 13 18 | 5 20 | 2 28 |
| W 9 | 14 38 | 3s12 | 2 34 | 20 17 | 0 31 | 3 52 | 1 9 | 17 13 | 1 3 | 21 13 | 0 2 | 19 51 | 2 0 | 23 11 | 0 20 | 20 17 | 1 36 | 13 42 | 14 20 | 10 20 | 10 3 | 13 15 | 5 21 | 2 28 |
| T 10 | 14 19 | 9 51 | 3 39 | 20 13 | 0 22 | 4 20 | 1 17 | 17 0 | 1 3 | 21 11 | 0 2 | 19 51 | 2 0 | 23 11 | 0 20 | 20 18 | 1 36 | 13 43 | 14 21 | 10 19 | 10 4 | 13 12 | 5 22 | 2 27 |
| F 11 | 13 59 | 15 49 | 4 28 | 20 7 | 0 12 | 4 49 | 1 24 | 16 46 | 1 3 | 21 9 | 0 1 | 19 52 | 2 1 | 23 11 | 0 20 | 20 18 | 1 36 | 13 43 | 14 21 | 10 19 | 10 5 | 13 9 | 5 23 | 2 27 |
| S 12 | 13 39 | 20 49 | 5 1 | 20 1 | 0 3 | 5 17 | 1 32 | 16 32 | 1 4 | 21 7 | 0 1 | 19 52 | 2 1 | 23 11 | 0 20 | 20 18 | 1 36 | 13 44 | 14 21 | 10 19 | 10 6 | 13 5 | 5 24 | 2 27 |
| S 13 | 13 19 | 24 37 | 5 16 | 19 53 | 0s 5 | 5 46 | 1 39 | 16 18 | 1 4 | 21 5 | 0 1 | 19 52 | 2 1 | 23 11 | 0 20 | 20 18 | 1 36 | 13 45 | 14 22 | 10 19 | 10 8 | 13 2 | 5 25 | 2 27 |
| M14 | 12 59 | 27 5 | 5 15 | 19 44 | 0 14 | 6 14 | 1 47 | 16 3 | 1 4 | 21 3 | 0 1 | 19 53 | 2 1 | 23 12 | 0 20 | 20 18 | 1 36 | 13 46 | 14 22 | 10 19 | 10 9 | 12 59 | 5 26 | 2 27 |
| T 15 | 12 39 | 28 6 | 4 59 | 19 34 | 0 22 | 6 42 | 1 55 | 15 49 | 1 4 | 21 1 | 0 1 | 19 53 | 2 1 | 23 12 | 0 20 | 20 18 | 1 36 | 13 47 | 14 22 | 10 19 | 10 10 | 12 56 | 5 27 | 2 27 |
| W16 | 12 18 | 27 43 | 4 30 | 19 23 | 0 30 | 7 9 | 2 3 | 15 34 | 1 4 | 20 58 | 0 1 | 19 53 | 2 1 | 23 12 | 0 20 | 20 18 | 1 36 | 13 47 | 14 23 | 10 19 | 10 11 | 12 53 | 5 28 | 2 26 |
| T 17 | 11 57 | 26 0 | 3 48 | 19 10 | 0 38 | 7 37 | 2 12 | 15 19 | 1 4 | 20 56 | 0 1 | 19 54 | 2 2 | 23 12 | 0 20 | 20 18 | 1 36 | 13 48 | 14 23 | 10 20 | 10 12 | 12 50 | 5 29 | 2 26 |
| F 18 | 11 36 | 23 8 | 2 58 | 18 57 | 0 45 | 8 4 | 2 20 | 15 4 | 1 4 | 20 54 | 0 1 | 19 54 | 2 2 | 23 12 | 0 20 | 20 18 | 1 36 | 13 49 | 14 23 | 10 20 | 10 13 | 12 47 | 5 30 | 2 26 |
| S 19 | 11 15 | 19 19 | 2 0 | 18 42 | 0 52 | 8 31 | 2 28 | 14 49 | 1 5 | 20 52 | 0 1 | 19 54 | 2 2 | 23 12 | 0 20 | 20 18 | 1 36 | 13 50 | 14 23 | 10 20 | 10 14 | 12 44 | 5 31 | 2 26 |
| S 20 | 10 53 | 14 45 | 0 57 | 18 26 | 0 59 | 8 57 | 2 37 | 14 34 | 1 5 | 20 49 | 0 1 | 19 54 | 2 2 | 23 12 | 0 20 | 20 18 | 1 36 | 13 51 | 14 24 | 10 20 | 10 16 | 12 41 | 5 32 | 2 26 |
| M21 | 10 31 | 9 40 | 0n 8 | 18 9 | 1 6 | 9 24 | 2 45 | 14 19 | 1 5 | 20 47 | 0 1 | 19 55 | 2 2 | 23 12 | 0 20 | 20 18 | 1 36 | 13 51 | 14 24 | 10 20 | 10 17 | 12 38 | 5 33 | 2 26 |
| T 22 | 10 10 | 4 14 | 1 13 | 17 51 | 1 12 | 9 50 | 2 54 | 14 3 | 1 5 | 20 45 | 0 0 | 19 55 | 2 2 | 23 12 | 0 20 | 20 18 | 1 36 | 13 52 | 14 24 | 10 20 | 10 18 | 12 34 | 5 34 | 2 25 |
| W23 | 9 48 | 1n22 | 2 15 | 17 31 | 1 18 | 10 15 | 3 3 | 13 47 | 1 5 | 20 43 | 0 0 | 19 55 | 2 3 | 23 13 | 0 20 | 20 18 | 1 37 | 13 53 | 14 24 | 10 20 | 10 19 | 12 31 | 5 35 | 2 25 |
| T 24 | 9 26 | 6 58 | 3 12 | 17 11 | 1 24 | 10 41 | 3 12 | 13 31 | 1 5 | 20 41 | 0 0 | 19 55 | 2 3 | 23 13 | 0 20 | 20 18 | 1 37 | 13 54 | 14 25 | 10 20 | 10 20 | 12 28 | 5 37 | 2 25 |
| F 25 | 9 3 | 12 22 | 4 1 | 16 49 | 1 29 | 11 6 | 3 21 | 13 15 | 1 5 | 20 38 | 0 0 | 19 55 | 2 3 | 23 13 | 0 20 | 20 18 | 1 37 | 13 54 | 14 25 | 10 20 | 10 21 | 12 25 | 5 38 | 2 25 |
| S 26 | 8 41 | 17 22 | 4 40 | 16 26 | 1 35 | 11 30 | 3 30 | 12 59 | 1 5 | 20 36 | 0 0 | 19 55 | 2 3 | 23 13 | 0 20 | 20 18 | 1 37 | 13 55 | 14 25 | 10 20 | 10 22 | 12 22 | 5 39 | 2 25 |
| S 27 | 8 18 | 21 45 | 5 6 | 16 2 | 1 39 | 11 54 | 3 39 | 12 43 | 1 5 | 20 34 | 0 0 | 19 56 | 2 3 | 23 13 | 0 20 | 20 18 | 1 37 | 13 56 | 14 25 | 10 21 | 10 23 | 12 19 | 5 40 | 2 25 |
| M28 | 7s56 | 25n12 | 5n17 | 15s36 | 1s44 | 12n18 | 3n48 | 12s27 | 1s 5 | 20s32 | 0s 0 | 19s56 | 2n 3 | 23n13 | 0n20 | 20s18 | 1n37 | 13n57 | 14n26 | 10s21 | 10s25 | 12s16 | 5n41 | 2n25 |

Julian Day Number = 2801113.5, Delta T = 50m19s
Ecliptic obliquity = 23°19'03, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°08'14, Lahiri = 37°15'15


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# ASTRODIENST EPHEMERIS for the year 2957
# geocentric

## MARCH 2957 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 37 34 | 10♓36'59 | 13♊ 8 | 23♒59 | 23♈19 | 0♓46 | 27♉51 | 10♐56 | 10°R43 | 10♐29 | 28°R 9 | 3°D 1 | 2♓47 | 28♒42 | 8♈51 | T 1 |
| W 2 | 10 41 30 | 11°37'36 | 26°42 | 25°32 | 23°57 | 1°33 | 28° 3 | 10°58 | 10♋42 | 10°29 | 28♍ 7 | 3♓ 1 | 2°44 | 28°49 | 8°54 | W 2 |
| T 3 | 10 45 27 | 12°38'10 | 10♋41 | 27° 7 | 24°34 | 2°20 | 28°15 | 11° 0 | 10°41 | 10°29 | 28° 6 | 3° 2 | 2°41 | 28°55 | 8°57 | T 3 |
| F 4 | 10 49 23 | 13°38'43 | 25° 4 | 28°42 | 25°10 | 3° 7 | 28°26 | 11° 2 | 10°40 | 10°30 | 28° 4 | 3° 3 | 2°38 | 29° 2 | 9° 0 | F 4 |
| S 5 | 10 53 20 | 14°39'15 | 9♌49 | 0♓18 | 25°44 | 3°54 | 28°38 | 11° 3 | 10°40 | 10°30 | 28° 3 | 3° 4 | 2°34 | 29° 9 | 9° 4 | S 5 |
| S 6 | 10 57 16 | 15°39'44 | 24°50 | 1°55 | 26°17 | 4°41 | 28°49 | 11° 5 | 10°39 | 10°30 | 28° 1 | 3° 4 | 2°31 | 29°15 | 9° 7 | S 6 |
| M 7 | 11 1 13 | 16°40'12 | 10♍ 1 | 3°33 | 26°48 | 5°29 | 29° 1 | 11° 6 | 10°38 | 10°30 | 28° 0 | 3°R 4 | 2°28 | 29°22 | 9°11 | M 7 |
| T 8 | 11 5 10 | 17°40'39 | 25°11 | 5°12 | 27°18 | 6°16 | 29°12 | 11° 8 | 10°38 | 10°30 | 27°58 | 3° 4 | 2°25 | 29°29 | 9°14 | T 8 |
| W 9 | 11 9 6 | 18°41'03 | 10♎10 | 6°52 | 27°46 | 7° 3 | 29°23 | 11° 9 | 10°37 | 10°30 | 27°57 | 3° 2 | 2°22 | 29°35 | 9°17 | W 9 |
| T 10 | 11 13 3 | 19°41'27 | 24°52 | 8°33 | 28°12 | 7°50 | 29°34 | 11°10 | 10°37 | 10°31 | 27°55 | 3° 0 | 2°19 | 29°42 | 9°21 | T 10 |
| F 11 | 11 16 59 | 20°41'49 | 9♏ 9 | 10°15 | 28°37 | 8°37 | 29°46 | 11°11 | 10°36 | 10°31 | 27°54 | 2°58 | 2°15 | 29°49 | 9°24 | F 11 |
| S 12 | 11 20 56 | 21°42'09 | 22°59 | 11°57 | 28°59 | 9°24 | 29°56 | 11°12 | 10°36 | 10°R31 | 27°52 | 2°55 | 2°12 | 29°55 | 9°28 | S 12 |
| S 13 | 11 24 52 | 22°42'29 | 6♐20 | 13°41 | 29°20 | 10°12 | 0♒ 7 | 11°13 | 10°35 | 10°31 | 27°50 | 2°54 | 2° 9 | 0♓ 2 | 9°31 | S 13 |
| M14 | 11 28 49 | 23°42'47 | 19°15 | 15°26 | 29°39 | 10°59 | 0°18 | 11°13 | 10°35 | 10°31 | 27°49 | 2°D53 | 2° 6 | 0° 8 | 9°35 | M14 |
| T 15 | 11 32 45 | 24°43'04 | 1♑48 | 17°12 | 29°56 | 11°46 | 0°29 | 11°14 | 10°35 | 10°31 | 27°47 | 2°53 | 2° 3 | 0°15 | 9°38 | T 15 |
| W16 | 11 36 42 | 25°43'19 | 14° 2 | 18°58 | 0♉11 | 12°33 | 0°39 | 11°14 | 10°35 | 10°30 | 27°46 | 2°54 | 1°59 | 0°22 | 9°42 | W16 |
| T 17 | 11 40 39 | 26°43'33 | 26° 3 | 20°46 | 0°24 | 13°21 | 0°50 | 11°15 | 10°35 | 10°30 | 27°44 | 2°56 | 1°56 | 0°28 | 9°45 | T 17 |
| F 18 | 11 44 35 | 27°43'45 | 7♒54 | 22°35 | 0°34 | 14° 8 | 1° 0 | 11°15 | 10°35 | 10°30 | 27°42 | 2°57 | 1°53 | 0°35 | 9°49 | F 18 |
| S 19 | 11 48 32 | 28°43'56 | 19°41 | 24°25 | 0°43 | 14°55 | 1°11 | 11°15 | 10°D35 | 10°30 | 27°41 | 2°59 | 1°50 | 0°42 | 9°53 | S 19 |
| S 20 | 11 52 28 | 29°44'05 | 1♓27 | 26°16 | 0°49 | 15°42 | 1°21 | 11°R15 | 10°35 | 10°30 | 27°39 | 3°R 0 | 1°47 | 0°48 | 9°56 | S 20 |
| M21 | 11 56 25 | 0♈44'12 | 13°16 | 28° 8 | 0°52 | 16°30 | 1°31 | 11°15 | 10°35 | 10°29 | 27°38 | 2°59 | 1°44 | 0°55 | 10° 0 | M21 |
| T 22 | 12 0 21 | 1°44'18 | 25° 9 | 0♈ 1 | 0°R54 | 17°17 | 1°41 | 11°15 | 10°35 | 10°29 | 27°36 | 2°57 | 1°40 | 1° 2 | 10° 3 | T 22 |
| W23 | 12 4 18 | 2°44'22 | 7♈10 | 1°55 | 0°53 | 18° 4 | 1°51 | 11°15 | 10°35 | 10°29 | 27°35 | 2°54 | 1°37 | 1° 8 | 10° 7 | W23 |
| T 24 | 12 8 14 | 3°44'24 | 19°20 | 3°50 | 0°49 | 18°51 | 2° 1 | 11°15 | 10°35 | 10°28 | 27°33 | 2°49 | 1°34 | 1°15 | 10°11 | T 24 |
| F 25 | 12 12 11 | 4°44'24 | 1♉40 | 5°46 | 0°43 | 19°39 | 2°10 | 11°14 | 10°36 | 10°28 | 27°31 | 2°43 | 1°31 | 1°22 | 10°14 | F 25 |
| S 26 | 12 16 7 | 5°44'22 | 14°11 | 7°43 | 0°34 | 20°26 | 2°20 | 11°14 | 10°36 | 10°27 | 27°30 | 2°38 | 1°28 | 1°28 | 10°18 | S 26 |
| S 27 | 12 20 4 | 6°44'18 | 26°55 | 9°40 | 0°23 | 21°13 | 2°29 | 11°13 | 10°37 | 10°27 | 27°28 | 2°32 | 1°24 | 1°35 | 10°21 | S 27 |
| M28 | 12 24 1 | 7°44'12 | 9♊52 | 11°38 | 0°10 | 22° 0 | 2°39 | 11°12 | 10°37 | 10°26 | 27°27 | 2°28 | 1°21 | 1°41 | 10°25 | M28 |
| T 29 | 12 27 57 | 8°44'04 | 23° 6 | 13°37 | 29♈54 | 22°48 | 2°48 | 11°12 | 10°38 | 10°26 | 27°25 | 2°25 | 1°18 | 1°48 | 10°29 | T 29 |
| W30 | 12 31 54 | 9°43'54 | 6♋35 | 15°36 | 29°35 | 23°35 | 2°57 | 11°11 | 10°38 | 10°25 | 27°24 | 2°D24 | 1°15 | 1°55 | 10°32 | W30 |
| T 31 | 12 35 50 | 10♈43'42 | 20♋23 | 17♈35 | 29♈14 | 24♓22 | 3♒ 6 | 11♐10 | 10♋39 | 10♐25 | 27♍22 | 2♓24 | 1♓12 | 2♓ 1 | 10♈36 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7s33 | 27n26 | 5n13 | 15s10 | 1s48 | 12n41 | 3n58 | 12s10 | 1s 5 | 20s29 | 0s 0 | 19s56 | 2n 4 | 23n13 | 0n20 | 20s18 | 1n37 | 13n58 | 14n26 | 10s21 | 10s26 | 12s13 | 5n42 | 2n25 |
| W 2 | 7 10 | 28 8 | 4 51 | 14 42 | 1 52 | 13 4 | 4 7 | 11 53 | 1 5 | 20 27 | 0 0 | 19 56 | 2 4 | 23 13 | 0 20 | 20 18 | 1 37 | 13 58 | 14 26 | 10 21 | 10 27 | 12 10 | 5 43 | 2 24 |
| T 3 | 6 47 | 27 4 | 4 12 | 14 13 | 1 55 | 13 27 | 4 16 | 11 37 | 1 6 | 20 25 | 0 0 | 19 56 | 2 4 | 23 13 | 0 20 | 20 18 | 1 37 | 13 59 | 14 26 | 10 20 | 10 28 | 12 6 | 5 45 | 2 24 |
| F 4 | 6 24 | 24 13 | 3 16 | 13 43 | 1 58 | 13 49 | 4 26 | 11 20 | 1 6 | 20 23 | 0 0 | 19 56 | 2 4 | 23 13 | 0 20 | 20 18 | 1 37 | 14 0 | 14 26 | 10 20 | 10 29 | 12 3 | 5 46 | 2 24 |
| S 5 | 6 1 | 19 43 | 2 6 | 13 12 | 2 1 | 14 10 | 4 35 | 11 3 | 1 6 | 20 20 | 0 1 | 19 56 | 2 4 | 23 13 | 0 20 | 20 18 | 1 37 | 14 1 | 14 27 | 10 20 | 10 30 | 12 0 | 5 47 | 2 24 |
| S 6 | 5 38 | 13 53 | 0 46 | 12 40 | 2 4 | 14 31 | 4 45 | 10 46 | 1 6 | 20 18 | 0 1 | 19 56 | 2 4 | 23 13 | 0 20 | 20 18 | 1 37 | 14 1 | 14 27 | 10 20 | 10 31 | 11 57 | 5 48 | 2 24 |
| M 7 | 5 14 | 7 11 | 0s38 | 12 6 | 2 6 | 14 51 | 4 54 | 10 28 | 1 6 | 20 16 | 0 1 | 19 56 | 2 5 | 23 13 | 0 20 | 20 18 | 1 37 | 14 2 | 14 27 | 10 20 | 10 33 | 11 54 | 5 49 | 2 24 |
| T 8 | 4 51 | 0 5 | 2 0 | 11 32 | 2 7 | 15 11 | 5 4 | 10 11 | 1 6 | 20 14 | 0 1 | 19 56 | 2 5 | 23 13 | 0 20 | 20 18 | 1 37 | 14 3 | 14 27 | 10 20 | 10 34 | 11 51 | 5 51 | 2 24 |
| W 9 | 4 27 | 6s57 | 3 11 | 10 56 | 2 9 | 15 30 | 5 14 | 9 54 | 1 6 | 20 11 | 0 1 | 19 56 | 2 5 | 23 13 | 0 20 | 20 18 | 1 37 | 14 4 | 14 27 | 10 20 | 10 35 | 11 48 | 5 52 | 2 24 |
| T 10 | 4 4 | 13 27 | 4 9 | 10 20 | 2 10 | 15 49 | 5 23 | 9 36 | 1 6 | 20 9 | 0 1 | 19 56 | 2 5 | 23 13 | 0 20 | 20 18 | 1 37 | 14 4 | 14 27 | 10 21 | 10 36 | 11 44 | 5 53 | 2 23 |
| F 11 | 3 40 | 19 2 | 4 49 | 9 42 | 2 10 | 16 6 | 5 33 | 9 19 | 1 6 | 20 7 | 0 1 | 19 56 | 2 5 | 23 13 | 0 20 | 20 18 | 1 37 | 14 5 | 14 27 | 10 22 | 10 37 | 11 41 | 5 54 | 2 23 |
| S 12 | 3 16 | 23 26 | 5 11 | 9 3 | 2 10 | 16 24 | 5 42 | 9 1 | 1 6 | 20 5 | 0 1 | 19 56 | 2 5 | 23 14 | 0 20 | 20 18 | 1 37 | 14 6 | 14 28 | 10 23 | 10 38 | 11 38 | 5 56 | 2 23 |
| S 13 | 2 53 | 26 26 | 5 16 | 8 23 | 2 10 | 16 40 | 5 52 | 8 43 | 1 6 | 20 3 | 0 1 | 19 56 | 2 6 | 23 14 | 0 20 | 20 18 | 1 37 | 14 7 | 14 28 | 10 23 | 10 39 | 11 35 | 5 57 | 2 23 |
| M14 | 2 29 | 27 56 | 5 3 | 7 42 | 2 9 | 16 55 | 6 1 | 8 25 | 1 6 | 20 0 | 0 1 | 19 56 | 2 6 | 23 14 | 0 20 | 20 18 | 1 38 | 14 7 | 14 28 | 10 24 | 10 41 | 11 32 | 5 58 | 2 23 |
| T 15 | 2 5 | 27 55 | 4 37 | 7 0 | 2 8 | 17 10 | 6 11 | 8 7 | 1 5 | 19 58 | 0 2 | 19 56 | 2 6 | 23 14 | 0 20 | 20 18 | 1 38 | 14 8 | 14 28 | 10 24 | 10 42 | 11 29 | 6 0 | 2 23 |
| W16 | 1 42 | 26 32 | 3 58 | 6 16 | 2 6 | 17 24 | 6 20 | 7 49 | 1 5 | 19 56 | 0 2 | 19 56 | 2 6 | 23 14 | 0 20 | 20 18 | 1 38 | 14 9 | 14 28 | 10 23 | 10 43 | 11 26 | 6 1 | 2 23 |
| T 17 | 1 18 | 23 56 | 3 10 | 5 32 | 2 4 | 17 37 | 6 29 | 7 31 | 1 5 | 19 54 | 0 2 | 19 56 | 2 6 | 23 14 | 0 20 | 20 18 | 1 38 | 14 9 | 14 28 | 10 23 | 10 44 | 11 22 | 6 2 | 2 23 |
| F 18 | 0 54 | 20 21 | 2 14 | 4 47 | 2 1 | 17 49 | 6 38 | 7 13 | 1 5 | 19 52 | 0 2 | 19 56 | 2 6 | 23 14 | 0 20 | 20 18 | 1 38 | 14 10 | 14 28 | 10 22 | 10 45 | 11 19 | 6 3 | 2 23 |
| S 19 | 0 30 | 15 59 | 1 13 | 4 1 | 1 58 | 18 1 | 6 47 | 6 55 | 1 5 | 19 50 | 0 2 | 19 55 | 2 7 | 23 14 | 0 20 | 20 18 | 1 38 | 14 11 | 14 28 | 10 22 | 10 46 | 11 16 | 6 5 | 2 23 |
| S 20 | 0 6 | 11 2 | 0 8 | 3 13 | 1 54 | 18 11 | 6 55 | 6 37 | 1 5 | 19 47 | 0 2 | 19 55 | 2 7 | 23 14 | 0 20 | 20 18 | 1 38 | 14 11 | 14 28 | 10 21 | 10 47 | 11 13 | 6 6 | 2 22 |
| M21 | 0n17 | 5 41 | 0n56 | 2 25 | 1 50 | 18 20 | 7 4 | 6 18 | 1 5 | 19 45 | 0 2 | 19 55 | 2 7 | 23 14 | 0 20 | 20 18 | 1 38 | 14 12 | 14 28 | 10 21 | 10 48 | 11 10 | 6 7 | 2 22 |
| T 22 | 0 41 | 0 6 | 1 59 | 1 36 | 1 45 | 18 28 | 7 12 | 6 0 | 1 5 | 19 43 | 0 2 | 19 55 | 2 7 | 23 13 | 0 20 | 20 17 | 1 38 | 14 13 | 14 28 | 10 22 | 10 50 | 11 7 | 6 9 | 2 22 |
| W23 | 1 5 | 5n32 | 2 57 | 0 46 | 1 40 | 18 35 | 7 20 | 5 41 | 1 5 | 19 41 | 0 2 | 19 55 | 2 7 | 23 13 | 0 20 | 20 17 | 1 38 | 14 13 | 14 28 | 10 23 | 10 51 | 11 3 | 6 10 | 2 22 |
| T 24 | 1 29 | 11 2 | 3 47 | 0n 4 | 1 34 | 18 40 | 7 27 | 5 23 | 1 5 | 19 39 | 0 2 | 19 55 | 2 7 | 23 13 | 0 20 | 20 17 | 1 38 | 14 14 | 14 28 | 10 25 | 10 52 | 11 0 | 6 11 | 2 22 |
| F 25 | 1 52 | 16 10 | 4 28 | 0 56 | 1 28 | 18 45 | 7 34 | 5 4 | 1 5 | 19 37 | 0 3 | 19 54 | 2 8 | 23 13 | 0 20 | 20 17 | 1 38 | 14 15 | 14 28 | 10 27 | 10 53 | 10 57 | 6 13 | 2 22 |
| S 26 | 2 16 | 20 43 | 4 56 | 1 48 | 1 21 | 18 48 | 7 41 | 4 46 | 1 5 | 19 35 | 0 3 | 19 54 | 2 8 | 23 13 | 0 20 | 20 17 | 1 38 | 14 15 | 14 28 | 10 29 | 10 54 | 10 54 | 6 14 | 2 22 |
| S 27 | 2 40 | 24 24 | 5 10 | 2 41 | 1 14 | 18 50 | 7 47 | 4 27 | 1 4 | 19 33 | 0 3 | 19 54 | 2 8 | 23 13 | 0 20 | 20 17 | 1 38 | 14 16 | 14 28 | 10 31 | 10 55 | 10 51 | 6 15 | 2 22 |
| M28 | 3 3 | 26 55 | 5 9 | 3 34 | 1 6 | 18 50 | 7 52 | 4 8 | 1 4 | 19 31 | 0 3 | 19 54 | 2 8 | 23 13 | 0 20 | 20 17 | 1 38 | 14 17 | 14 28 | 10 33 | 10 56 | 10 47 | 6 17 | 2 22 |
| T 29 | 3 27 | 28 0 | 4 52 | 4 28 | 0 57 | 18 49 | 7 57 | 3 50 | 1 4 | 19 29 | 0 3 | 19 53 | 2 8 | 23 13 | 0 20 | 20 17 | 1 38 | 14 17 | 14 28 | 10 34 | 10 57 | 10 44 | 6 18 | 2 22 |
| W30 | 3 50 | 27 27 | 4 18 | 5 22 | 0 48 | 18 46 | 8 2 | 3 31 | 1 4 | 19 27 | 0 3 | 19 53 | 2 8 | 23 13 | 0 20 | 20 17 | 1 38 | 14 18 | 14 28 | 10 34 | 10 59 | 10 41 | 6 19 | 2 22 |
| T 31 | 4n14 | 25n13 | 3n29 | 6n16 | 0s39 | 18n42 | 8n 6 | 3s12 | 1s 4 | 19s25 | 0s 3 | 19s53 | 2n 9 | 23n13 | 0n20 | 20s16 | 1n38 | 14n18 | 14n28 | 10s34 | 11s 0 | 10s38 | 6n21 | 2n22 |

Julian Day Number = 2801141.5, Delta T = 50m19s
Ecliptic obliquity = 23°19'03, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°08'18, Lahiri = 37°15'18


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# ASTRODIENST EPHEMERIS for the year 2957
# geocentric

## APRIL 2957 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 39 47 | 11♈43'27 | 4♌30 | 19♈34 | 28°R51 | 25♓ 9 | 3♒15 | 11°R 8 | 10♋39 | 10°R24 | 27°R21 | 2♓25 | 1♓ 9 | 2♓ 8 | 10♈39 | F 1 |
| S 2 | 12 43 43 | 12°43'10 | 18°54 | 21°32 | 28♈26 | 25°57 | 3°23 | 11♐ 7 | 10°40 | 10♐23 | 27♍19 | 2°27 | 1° 5 | 2°15 | 10°43 | S 2 |
| S 3 | 12 47 40 | 13°42'51 | 3♍34 | 23°31 | 27°59 | 26°44 | 3°32 | 11° 6 | 10°41 | 10°23 | 27°18 | 2°R27 | 1° 2 | 2°21 | 10°47 | S 3 |
| M 4 | 12 51 36 | 14°42'30 | 18°24 | 25°28 | 27°29 | 27°31 | 3°40 | 11° 4 | 10°42 | 10°22 | 27°16 | 2°26 | 0°59 | 2°28 | 10°50 | M 4 |
| T 5 | 12 55 33 | 15°42'07 | 3♎19 | 27°24 | 26°58 | 28°18 | 3°49 | 11° 3 | 10°43 | 10°21 | 27°15 | 2°23 | 0°56 | 2°35 | 10°54 | T 5 |
| W 6 | 12 59 30 | 16°41'41 | 18° 9 | 29°18 | 26°25 | 29° 5 | 3°57 | 11° 1 | 10°44 | 10°21 | 27°13 | 2°18 | 0°53 | 2°41 | 10°58 | W 6 |
| T 7 | 13 3 26 | 17°41'14 | 2♏47 | 1♉10 | 25°51 | 29°52 | 4° 5 | 11° 0 | 10°45 | 10°20 | 27°12 | 2°11 | 0°50 | 2°48 | 11° 1 | T 7 |
| F 8 | 13 7 23 | 18°40'44 | 17° 7 | 3° 0 | 25°16 | 0♈40 | 4°13 | 10°58 | 10°46 | 10°19 | 27°10 | 2° 4 | 0°46 | 2°55 | 11° 5 | F 8 |
| S 9 | 13 11 19 | 19°40'13 | 1♐ 1 | 4°47 | 24°40 | 1°27 | 4°21 | 10°56 | 10°47 | 10°18 | 27° 9 | 1°56 | 0°43 | 3° 1 | 11° 8 | S 9 |
| S 10 | 13 15 16 | 20°39'41 | 14°29 | 6°30 | 24° 2 | 2°14 | 4°28 | 10°54 | 10°48 | 10°17 | 27° 7 | 1°50 | 0°40 | 3° 8 | 11°12 | S 10 |
| M11 | 13 19 12 | 21°39'06 | 27°30 | 8°10 | 23°25 | 3° 1 | 4°36 | 10°52 | 10°49 | 10°16 | 27° 6 | 1°45 | 0°37 | 3°15 | 11°15 | M11 |
| T 12 | 13 23 9 | 22°38'30 | 10♑ 7 | 9°45 | 22°47 | 3°48 | 4°43 | 10°50 | 10°50 | 10°15 | 27° 4 | 1°42 | 0°34 | 3°21 | 11°19 | T 12 |
| W13 | 13 27 5 | 23°37'52 | 22°24 | 11°16 | 22°10 | 4°35 | 4°50 | 10°47 | 10°52 | 10°14 | 27° 3 | 1°D41 | 0°30 | 3°28 | 11°23 | W13 |
| T 14 | 13 31 2 | 24°37'12 | 4♒25 | 12°42 | 21°32 | 5°22 | 4°57 | 10°45 | 10°53 | 10°13 | 27° 2 | 1°42 | 0°27 | 3°34 | 11°26 | T 14 |
| F 15 | 13 34 59 | 25°36'31 | 16°17 | 14° 3 | 20°55 | 6° 9 | 5° 4 | 10°43 | 10°55 | 10°12 | 27° 0 | 1°43 | 0°24 | 3°41 | 11°30 | F 15 |
| S 16 | 13 38 55 | 26°35'48 | 28° 3 | 15°18 | 20°19 | 6°56 | 5°11 | 10°40 | 10°56 | 10°11 | 26°59 | 1°R44 | 0°21 | 3°48 | 11°33 | S 16 |
| S 17 | 13 42 52 | 27°35'03 | 9♓50 | 16°27 | 19°44 | 7°43 | 5°18 | 10°38 | 10°57 | 10°10 | 26°58 | 1°43 | 0°18 | 3°54 | 11°37 | S 17 |
| M18 | 13 46 48 | 28°34'16 | 21°42 | 17°30 | 19°10 | 8°30 | 5°24 | 10°35 | 10°59 | 10° 9 | 26°56 | 1°41 | 0°15 | 4° 1 | 11°40 | M18 |
| T 19 | 13 50 45 | 29°33'27 | 3♈42 | 18°27 | 18°38 | 9°17 | 5°31 | 10°32 | 11° 1 | 10° 8 | 26°55 | 1°36 | 0°11 | 4° 8 | 11°44 | T 19 |
| W20 | 13 54 41 | 0♉32'36 | 15°53 | 19°17 | 18° 7 | 10° 4 | 5°37 | 10°29 | 11° 2 | 10° 7 | 26°54 | 1°29 | 0° 8 | 4°14 | 11°47 | W20 |
| T 21 | 13 58 38 | 1°31'44 | 28°17 | 20° 1 | 17°38 | 10°51 | 5°43 | 10°26 | 11° 4 | 10° 6 | 26°53 | 1°20 | 0° 5 | 4°21 | 11°51 | T 21 |
| F 22 | 14 2 34 | 2°30'50 | 10♉54 | 20°38 | 17°11 | 11°38 | 5°49 | 10°23 | 11° 6 | 10° 4 | 26°51 | 1° 9 | 0° 2 | 4°28 | 11°54 | F 22 |
| S 23 | 14 6 31 | 3°29'53 | 23°45 | 21° 8 | 16°46 | 12°25 | 5°54 | 10°20 | 11° 7 | 10° 3 | 26°50 | 0°58 | 29♒59 | 4°34 | 11°58 | S 23 |
| S 24 | 14 10 28 | 4°28'55 | 6♊49 | 21°32 | 16°23 | 13°12 | 6° 0 | 10°17 | 11° 9 | 10° 2 | 26°49 | 0°47 | 29°56 | 4°41 | 12° 1 | S 24 |
| M25 | 14 14 24 | 5°27'54 | 20° 4 | 21°49 | 16° 2 | 13°59 | 6° 5 | 10°14 | 11°11 | 10° 1 | 26°48 | 0°38 | 29°52 | 4°48 | 12° 4 | M25 |
| T 26 | 14 18 21 | 6°26'52 | 3♋31 | 21°59 | 15°44 | 14°45 | 6°11 | 10°11 | 11°13 | 10° 0 | 26°47 | 0°31 | 29°49 | 4°54 | 12° 8 | T 26 |
| W27 | 14 22 17 | 7°25'47 | 17° 9 | 22°R 3 | 15°28 | 15°32 | 6°16 | 10° 7 | 11°15 | 9°58 | 26°46 | 0°27 | 29°46 | 5° 1 | 12°11 | W27 |
| T 28 | 14 26 14 | 8°24'40 | 0♌58 | 22° 0 | 15°14 | 16°19 | 6°21 | 10° 4 | 11°17 | 9°57 | 26°44 | 0°26 | 29°43 | 5° 7 | 12°14 | T 28 |
| F 29 | 14 30 10 | 9°23'30 | 14°57 | 21°51 | 15° 3 | 17° 6 | 6°25 | 10° 0 | 11°19 | 9°56 | 26°43 | 0°D26 | 29°40 | 5°14 | 12°18 | F 29 |
| S 30 | 14 34 7 | 10♉22'19 | 29♌ 6 | 21♉36 | 14♈54 | 17♈52 | 6♒30 | 9♐57 | 11♋21 | 9♐54 | 26♍42 | 0°R26 | 29♒36 | 5♓21 | 12♈21 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4n37 | 21n24 | 2n26 | 7n10 | 0s29 | 18n37 | 8n 9 | 2s53 | 1s 4 | 19s23 | 0s 3 | 19s52 | 2n 9 | 23n13 | 0n20 | 20s16 | 1n38 | 14n19 | 14n28 | 10s34 | 11s 1 | 10s35 | 6n22 | 2n21 |
| S 2 | 5 0 | 16 14 | 1 13 | 8 4 | 0 18 | 18 30 | 8 11 | 2 35 | 1 3 | 19 21 | 0 3 | 19 52 | 2 9 | 23 13 | 0 20 | 20 16 | 1 38 | 14 19 | 14 28 | 10 33 | 11 2 | 10 31 | 6 23 | 2 21 |
| S 3 | 5 23 | 10 3 | 0s 6 | 8 58 | 0 8 | 18 22 | 8 13 | 2 16 | 1 3 | 19 19 | 0 4 | 19 52 | 2 9 | 23 13 | 0 20 | 20 16 | 1 38 | 14 20 | 14 28 | 10 33 | 11 3 | 10 28 | 6 25 | 2 21 |
| M 4 | 5 46 | 3 15 | 1 26 | 9 51 | 0n 4 | 18 12 | 8 14 | 1 57 | 1 3 | 19 18 | 0 4 | 19 51 | 2 9 | 23 13 | 0 20 | 20 16 | 1 39 | 14 21 | 14 28 | 10 33 | 11 4 | 10 25 | 6 26 | 2 21 |
| T 5 | 6 9 | 3s45 | 2 39 | 10 44 | 0 15 | 18 0 | 8 13 | 1 38 | 1 3 | 19 16 | 0 4 | 19 51 | 2 9 | 23 13 | 0 20 | 20 16 | 1 39 | 14 21 | 14 28 | 10 34 | 11 5 | 10 22 | 6 28 | 2 21 |
| W 6 | 6 32 | 10 30 | 3 42 | 11 35 | 0 27 | 17 47 | 8 13 | 1 19 | 1 3 | 19 14 | 0 4 | 19 51 | 2 9 | 23 13 | 0 20 | 20 16 | 1 39 | 14 22 | 14 28 | 10 36 | 11 6 | 10 19 | 6 29 | 2 21 |
| T 7 | 6 54 | 16 35 | 4 29 | 12 26 | 0 39 | 17 33 | 8 11 | 1 0 | 1 3 | 19 12 | 0 4 | 19 50 | 2 10 | 23 13 | 0 20 | 20 15 | 1 39 | 14 22 | 14 28 | 10 39 | 11 8 | 10 16 | 6 30 | 2 21 |
| F 8 | 7 17 | 21 37 | 4 58 | 13 15 | 0 51 | 17 17 | 8 8 | 0 42 | 1 2 | 19 10 | 0 4 | 19 50 | 2 10 | 23 12 | 0 20 | 20 15 | 1 39 | 14 23 | 14 28 | 10 41 | 11 9 | 10 12 | 6 32 | 2 21 |
| S 9 | 7 39 | 25 17 | 5 8 | 14 2 | 1 3 | 17 0 | 8 4 | 0 23 | 1 2 | 19 9 | 0 4 | 19 50 | 2 10 | 23 12 | 0 20 | 20 15 | 1 39 | 14 23 | 14 28 | 10 44 | 11 10 | 10 9 | 6 33 | 2 21 |
| S 10 | 8 2 | 27 24 | 5 1 | 14 48 | 1 15 | 16 42 | 8 0 | 0 4 | 1 2 | 19 7 | 0 4 | 19 49 | 2 10 | 23 12 | 0 19 | 20 15 | 1 39 | 14 23 | 14 28 | 10 46 | 11 11 | 10 6 | 6 34 | 2 21 |
| M11 | 8 24 | 27 56 | 4 38 | 15 31 | 1 26 | 16 23 | 7 54 | 0n15 | 1 2 | 19 5 | 0 5 | 19 49 | 2 10 | 23 12 | 0 19 | 20 15 | 1 39 | 14 24 | 14 27 | 10 48 | 11 12 | 10 3 | 6 36 | 2 21 |
| T 12 | 8 46 | 26 57 | 4 2 | 16 13 | 1 38 | 16 3 | 7 48 | 0 34 | 1 1 | 19 4 | 0 5 | 19 48 | 2 10 | 23 12 | 0 19 | 20 15 | 1 39 | 14 24 | 14 27 | 10 49 | 11 13 | 9 59 | 6 37 | 2 21 |
| W13 | 9 8 | 24 41 | 3 16 | 16 52 | 1 49 | 15 42 | 7 41 | 0 53 | 1 1 | 19 2 | 0 5 | 19 48 | 2 10 | 23 12 | 0 19 | 20 14 | 1 39 | 14 25 | 14 27 | 10 49 | 11 14 | 9 56 | 6 38 | 2 21 |
| T 14 | 9 29 | 21 21 | 2 22 | 17 28 | 2 0 | 15 21 | 7 33 | 1 11 | 1 1 | 19 1 | 0 5 | 19 47 | 2 10 | 23 12 | 0 19 | 20 14 | 1 39 | 14 25 | 14 27 | 10 49 | 11 15 | 9 53 | 6 40 | 2 21 |
| F 15 | 9 51 | 17 11 | 1 22 | 18 2 | 2 10 | 14 58 | 7 24 | 1 30 | 1 1 | 18 59 | 0 5 | 19 47 | 2 11 | 23 12 | 0 19 | 20 14 | 1 39 | 14 26 | 14 27 | 10 49 | 11 16 | 9 50 | 6 41 | 2 21 |
| S 16 | 10 12 | 12 24 | 0 20 | 18 34 | 2 19 | 14 36 | 7 14 | 1 49 | 1 0 | 18 57 | 0 5 | 19 46 | 2 11 | 23 12 | 0 19 | 20 14 | 1 39 | 14 26 | 14 27 | 10 48 | 11 18 | 9 47 | 6 42 | 2 21 |
| S 17 | 10 34 | 7 10 | 0n44 | 19 2 | 2 28 | 14 13 | 7 4 | 2 8 | 1 0 | 18 56 | 0 5 | 19 46 | 2 11 | 23 11 | 0 19 | 20 14 | 1 39 | 14 26 | 14 27 | 10 49 | 11 19 | 9 43 | 6 44 | 2 21 |
| M18 | 10 55 | 1 40 | 1 45 | 19 28 | 2 36 | 13 50 | 6 53 | 2 26 | 1 0 | 18 55 | 0 5 | 19 46 | 2 11 | 23 11 | 0 19 | 20 13 | 1 39 | 14 27 | 14 26 | 10 49 | 11 20 | 9 40 | 6 45 | 2 21 |
| T 19 | 11 16 | 3n57 | 2 43 | 19 51 | 2 43 | 13 27 | 6 41 | 2 45 | 0 59 | 18 53 | 0 5 | 19 45 | 2 11 | 23 11 | 0 19 | 20 13 | 1 39 | 14 27 | 14 26 | 10 51 | 11 21 | 9 37 | 6 46 | 2 21 |
| W20 | 11 36 | 9 30 | 3 34 | 20 10 | 2 49 | 13 4 | 6 29 | 3 4 | 0 59 | 18 52 | 0 6 | 19 45 | 2 11 | 23 11 | 0 19 | 20 13 | 1 39 | 14 27 | 14 26 | 10 53 | 11 22 | 9 34 | 6 48 | 2 21 |
| T 21 | 11 57 | 14 47 | 4 15 | 20 27 | 2 54 | 12 41 | 6 16 | 3 22 | 0 59 | 18 50 | 0 6 | 19 44 | 2 11 | 23 11 | 0 19 | 20 13 | 1 39 | 14 28 | 14 26 | 10 57 | 11 23 | 9 31 | 6 49 | 2 21 |
| F 22 | 12 17 | 19 32 | 4 45 | 20 41 | 2 58 | 12 19 | 6 3 | 3 41 | 0 59 | 18 49 | 0 6 | 19 43 | 2 11 | 23 11 | 0 19 | 20 13 | 1 39 | 14 28 | 14 26 | 11 1 | 11 24 | 9 27 | 6 50 | 2 21 |
| S 23 | 12 37 | 23 28 | 5 1 | 20 51 | 3 0 | 11 57 | 5 50 | 3 59 | 0 58 | 18 48 | 0 6 | 19 43 | 2 12 | 23 11 | 0 19 | 20 12 | 1 39 | 14 28 | 14 25 | 11 5 | 11 25 | 9 24 | 6 52 | 2 20 |
| S 24 | 12 57 | 26 18 | 5 2 | 20 59 | 3 2 | 11 35 | 5 37 | 4 18 | 0 58 | 18 47 | 0 6 | 19 42 | 2 12 | 23 10 | 0 19 | 20 12 | 1 39 | 14 29 | 14 25 | 11 8 | 11 26 | 9 21 | 6 53 | 2 20 |
| M25 | 13 17 | 27 42 | 4 46 | 21 3 | 3 2 | 11 14 | 5 23 | 4 36 | 0 58 | 18 45 | 0 6 | 19 42 | 2 12 | 23 10 | 0 19 | 20 12 | 1 39 | 14 29 | 14 25 | 11 12 | 11 28 | 9 18 | 6 54 | 2 20 |
| T 26 | 13 36 | 27 31 | 4 15 | 21 4 | 3 0 | 10 54 | 5 9 | 4 54 | 0 57 | 18 44 | 0 6 | 19 41 | 2 12 | 23 10 | 0 19 | 20 12 | 1 39 | 14 29 | 14 25 | 11 14 | 11 29 | 9 14 | 6 56 | 2 20 |
| W27 | 13 55 | 25 41 | 3 29 | 21 3 | 2 58 | 10 35 | 4 55 | 5 13 | 0 57 | 18 43 | 0 6 | 19 41 | 2 12 | 23 10 | 0 19 | 20 12 | 1 39 | 14 29 | 14 25 | 11 15 | 11 30 | 9 11 | 6 57 | 2 20 |
| T 28 | 14 14 | 22 17 | 2 30 | 20 58 | 2 53 | 10 17 | 4 40 | 5 31 | 0 56 | 18 42 | 0 7 | 19 40 | 2 12 | 23 10 | 0 19 | 20 11 | 1 39 | 14 30 | 14 24 | 11 16 | 11 31 | 9 8 | 6 58 | 2 20 |
| F 29 | 14 33 | 17 34 | 1 21 | 20 50 | 2 48 | 9 59 | 4 26 | 5 49 | 0 56 | 18 41 | 0 7 | 19 40 | 2 12 | 23 10 | 0 19 | 20 11 | 1 39 | 14 30 | 14 24 | 11 16 | 11 32 | 9 5 | 6 59 | 2 20 |
| S 30 | 14n51 | 11n50 | 0n 7 | 20n39 | 2n40 | 9n43 | 4n12 | 6n 7 | 0s56 | 18s40 | 0s 7 | 19s39 | 2n12 | 23n 9 | 0n19 | 20s11 | 1n39 | 14n30 | 14n24 | 11s16 | 11s33 | 9s 1 | 7n 1 | 2n20 |

Julian Day Number = 2801172.5, Delta T = 50m20s
Ecliptic obliquity = 23°19'03, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°08'22, Lahiri = 37°15'23


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# ASTRODIENST EPHEMERIS for the year 2957
# geocentric

## MAY 2957 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 38 3 | 11♉21'05 | 13♍25 | 21°R16 | 14°R48 | 18♈39 | 6♒34 | 9°R53 | 11♋23 | 9°R53 | 26°R41 | 0°R25 | 29♒33 | 5♓27 | 12♈24 | S 1 |
| M 2 | 14 42 0 | 12°19'48 | 27°51 | 20♉51 | 14♈44 | 19°26 | 6°38 | 9♐49 | 11°26 | 9♐52 | 26♍40 | 0♓23 | 29°30 | 5°34 | 12°28 | M 2 |
| T 3 | 14 45 57 | 13°18'30 | 12♎21 | 20°22 | 14°D42 | 20°12 | 6°42 | 9°46 | 11°28 | 9°50 | 26°39 | 0°18 | 29°27 | 5°41 | 12°31 | T 3 |
| W 4 | 14 49 53 | 14°17'09 | 26°48 | 19°48 | 14°43 | 20°59 | 6°46 | 9°42 | 11°30 | 9°49 | 26°38 | 0°10 | 29°24 | 5°47 | 12°34 | W 4 |
| T 5 | 14 53 50 | 15°15'47 | 11♏ 8 | 19°12 | 14°47 | 21°45 | 6°50 | 9°38 | 11°32 | 9°47 | 26°37 | 29♒59 | 29°21 | 5°54 | 12°37 | T 5 |
| F 6 | 14 57 46 | 16°14'23 | 25°14 | 18°33 | 14°52 | 22°32 | 6°54 | 9°34 | 11°35 | 9°46 | 26°36 | 29°48 | 29°17 | 6° 1 | 12°40 | F 6 |
| S 7 | 15 1 43 | 17°12'57 | 9♐ 0 | 17°53 | 15° 0 | 23°18 | 6°57 | 9°30 | 11°37 | 9°44 | 26°36 | 29°37 | 29°14 | 6° 7 | 12°43 | S 7 |
| S 8 | 15 5 39 | 18°11'29 | 22°24 | 17°12 | 15°10 | 24° 5 | 7° 0 | 9°26 | 11°39 | 9°43 | 26°35 | 29°26 | 29°11 | 6°14 | 12°47 | S 8 |
| M 9 | 15 9 36 | 19°10'00 | 5♑24 | 16°30 | 15°22 | 24°51 | 7° 3 | 9°22 | 11°42 | 9°41 | 26°34 | 29°17 | 29° 8 | 6°21 | 12°50 | M 9 |
| T 10 | 15 13 32 | 20° 8'29 | 18° 2 | 15°49 | 15°36 | 25°38 | 7° 6 | 9°18 | 11°44 | 9°40 | 26°33 | 29°11 | 29° 5 | 6°27 | 12°53 | T 10 |
| W11 | 15 17 29 | 21° 6'56 | 0♒20 | 15°10 | 15°52 | 26°24 | 7° 9 | 9°14 | 11°47 | 9°38 | 26°32 | 29° 8 | 29° 2 | 6°34 | 12°56 | W11 |
| T 12 | 15 21 26 | 22° 5'22 | 12°23 | 14°33 | 16°11 | 27°10 | 7°11 | 9°10 | 11°49 | 9°37 | 26°31 | 29° 6 | 28°58 | 6°41 | 12°59 | T 12 |
| F 13 | 15 25 22 | 23° 3'46 | 24°16 | 13°58 | 16°31 | 27°57 | 7°13 | 9° 5 | 11°52 | 9°35 | 26°31 | 29° 6 | 28°55 | 6°47 | 13° 2 | F 13 |
| S 14 | 15 29 19 | 24° 2'08 | 6♓ 4 | 13°27 | 16°52 | 28°43 | 7°15 | 9° 1 | 11°55 | 9°34 | 26°30 | 29° 6 | 28°52 | 6°54 | 13° 5 | S 14 |
| S 15 | 15 33 15 | 25° 0'29 | 17°53 | 12°59 | 17°16 | 29°29 | 7°17 | 8°57 | 11°57 | 9°32 | 26°29 | 29° 5 | 28°49 | 7° 0 | 13° 7 | S 15 |
| M16 | 15 37 12 | 25°58'49 | 29°48 | 12°34 | 17°41 | 0♉15 | 7°19 | 8°52 | 12° 0 | 9°31 | 26°29 | 29° 2 | 28°46 | 7° 7 | 13°10 | M16 |
| T 17 | 15 41 8 | 26°57'07 | 11♈54 | 12°15 | 18° 8 | 1° 1 | 7°20 | 8°48 | 12° 3 | 9°29 | 26°28 | 28°57 | 28°42 | 7°14 | 13°13 | T 17 |
| W18 | 15 45 5 | 27°55'23 | 24°13 | 11°59 | 18°37 | 1°48 | 7°22 | 8°44 | 12° 6 | 9°28 | 26°27 | 28°49 | 28°39 | 7°20 | 13°16 | W18 |
| T 19 | 15 49 1 | 28°53'38 | 6♉50 | 11°49 | 19° 7 | 2°34 | 7°23 | 8°39 | 12° 8 | 9°26 | 26°27 | 28°38 | 28°36 | 7°27 | 13°19 | T 19 |
| F 20 | 15 52 58 | 29°51'52 | 19°43 | 11°43 | 19°38 | 3°20 | 7°24 | 8°35 | 12°11 | 9°24 | 26°26 | 28°26 | 28°33 | 7°34 | 13°21 | F 20 |
| S 21 | 15 56 55 | 0♊50'04 | 2♊55 | 11°D41 | 20°11 | 4° 6 | 7°25 | 8°30 | 12°14 | 9°23 | 26°26 | 28°13 | 28°30 | 7°40 | 13°24 | S 21 |
| S 22 | 16 0 51 | 1°48'14 | 16°21 | 11°45 | 20°45 | 4°52 | 7°25 | 8°26 | 12°17 | 9°21 | 26°25 | 28° 1 | 28°27 | 7°47 | 13°27 | S 22 |
| M23 | 16 4 48 | 2°46'23 | 0♋ 1 | 11°53 | 21°21 | 5°37 | 7°26 | 8°22 | 12°20 | 9°20 | 26°25 | 27°50 | 28°23 | 7°54 | 13°29 | M23 |
| T 24 | 16 8 44 | 3°44'29 | 13°51 | 12° 6 | 21°57 | 6°23 | 7°26 | 8°17 | 12°23 | 9°18 | 26°25 | 27°42 | 28°20 | 8° 0 | 13°32 | T 24 |
| W25 | 16 12 41 | 4°42'34 | 27°48 | 12°23 | 22°35 | 7° 9 | 7°R26 | 8°13 | 12°26 | 9°16 | 26°24 | 27°37 | 28°17 | 8° 7 | 13°35 | W25 |
| T 26 | 16 16 37 | 5°40'38 | 11♌49 | 12°45 | 23°14 | 7°55 | 7°26 | 8° 8 | 12°29 | 9°15 | 26°24 | 27°35 | 28°14 | 8°14 | 13°37 | T 26 |
| F 27 | 16 20 34 | 6°38'39 | 25°54 | 13°11 | 23°54 | 8°41 | 7°25 | 8° 4 | 12°32 | 9°13 | 26°23 | 27°D34 | 28°11 | 8°20 | 13°40 | F 27 |
| S 28 | 16 24 30 | 7°36'38 | 10♍ 0 | 13°41 | 24°35 | 9°26 | 7°25 | 7°59 | 12°35 | 9°11 | 26°23 | 27°R34 | 28° 8 | 8°27 | 13°42 | S 28 |
| S 29 | 16 28 27 | 8°34'36 | 24° 8 | 14°16 | 25°18 | 10°12 | 7°24 | 7°55 | 12°38 | 9°10 | 26°23 | 27°34 | 28° 4 | 8°34 | 13°44 | S 29 |
| M30 | 16 32 24 | 9°32'31 | 8♎16 | 14°54 | 26° 1 | 10°57 | 7°23 | 7°50 | 12°41 | 9° 8 | 26°23 | 27°31 | 28° 1 | 8°40 | 13°47 | M30 |
| T 31 | 16 36 20 | 10♊30'25 | 22♎22 | 15♉36 | 26♈45 | 11♉43 | 7♒22 | 7♐45 | 12♋44 | 9♐ 7 | 26♍22 | 27♒26 | 27♒58 | 8♓47 | 13♈49 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n10 | 5n26 | 1s 8 | 20n26 | 2n32 | 9n28 | 3n58 | 6n25 | 0s55 | 18s39 | 0s 7 | 19s38 | 2n12 | 23n 9 | 0n19 | 20s11 | 1n39 | 14n30 | 14n24 | 11s16 | 11s34 | 8s58 | 7n 2 | 2n20 |
| M 2 | 15 28 | 1s18 | 2 20 | 20 9 | 2 22 | 9 13 | 3 44 | 6 43 | 0 55 | 18 38 | 0 7 | 19 38 | 2 12 | 23 9 | 0 19 | 20 10 | 1 40 | 14 30 | 14 23 | 11 17 | 11 35 | 8 55 | 7 3 | 2 20 |
| T 3 | 15 45 | 7 58 | 3 23 | 19 51 | 2 11 | 9 0 | 3 30 | 7 1 | 0 55 | 18 37 | 0 7 | 19 37 | 2 12 | 23 9 | 0 19 | 20 10 | 1 40 | 14 30 | 14 23 | 11 19 | 11 36 | 8 52 | 7 4 | 2 20 |
| W 4 | 16 3 | 14 12 | 4 12 | 19 29 | 1 58 | 8 48 | 3 16 | 7 19 | 0 54 | 18 36 | 0 7 | 19 37 | 2 12 | 23 9 | 0 19 | 20 10 | 1 40 | 14 31 | 14 23 | 11 21 | 11 38 | 8 48 | 7 6 | 2 20 |
| T 5 | 16 20 | 19 37 | 4 45 | 19 6 | 1 44 | 8 36 | 3 3 | 7 36 | 0 54 | 18 36 | 0 8 | 19 36 | 2 12 | 23 8 | 0 19 | 20 10 | 1 40 | 14 31 | 14 23 | 11 25 | 11 39 | 8 45 | 7 7 | 2 20 |
| F 6 | 16 37 | 23 50 | 5 0 | 18 42 | 1 29 | 8 26 | 2 49 | 7 54 | 0 53 | 18 35 | 0 8 | 19 35 | 2 12 | 23 8 | 0 19 | 20 10 | 1 40 | 14 31 | 14 22 | 11 29 | 11 40 | 8 42 | 7 8 | 2 20 |
| S 7 | 16 53 | 26 35 | 4 57 | 18 15 | 1 14 | 8 17 | 2 36 | 8 11 | 0 53 | 18 34 | 0 8 | 19 35 | 2 13 | 23 8 | 0 19 | 20 9 | 1 40 | 14 31 | 14 22 | 11 33 | 11 41 | 8 39 | 7 9 | 2 20 |
| S 8 | 17 10 | 27 43 | 4 38 | 17 48 | 0 58 | 8 9 | 2 24 | 8 29 | 0 53 | 18 33 | 0 8 | 19 34 | 2 13 | 23 8 | 0 19 | 20 9 | 1 40 | 14 31 | 14 22 | 11 37 | 11 42 | 8 35 | 7 11 | 2 20 |
| M 9 | 17 26 | 27 16 | 4 4 | 17 20 | 0 41 | 8 2 | 2 11 | 8 46 | 0 52 | 18 33 | 0 8 | 19 33 | 2 13 | 23 8 | 0 19 | 20 9 | 1 40 | 14 31 | 14 21 | 11 40 | 11 43 | 8 32 | 7 12 | 2 20 |
| T 10 | 17 41 | 25 24 | 3 19 | 16 52 | 0 23 | 7 56 | 1 59 | 9 3 | 0 52 | 18 32 | 0 8 | 19 33 | 2 13 | 23 7 | 0 19 | 20 9 | 1 40 | 14 31 | 14 21 | 11 42 | 11 44 | 8 29 | 7 13 | 2 20 |
| W11 | 17 57 | 22 21 | 2 26 | 16 24 | 0 6 | 7 51 | 1 47 | 9 20 | 0 51 | 18 32 | 0 8 | 19 32 | 2 13 | 23 7 | 0 19 | 20 8 | 1 40 | 14 31 | 14 21 | 11 43 | 11 45 | 8 26 | 7 14 | 2 20 |
| T 12 | 18 12 | 18 24 | 1 27 | 15 57 | 0s11 | 7 47 | 1 35 | 9 37 | 0 51 | 18 31 | 0 9 | 19 31 | 2 13 | 23 7 | 0 19 | 20 8 | 1 40 | 14 31 | 14 20 | 11 44 | 11 46 | 8 22 | 7 15 | 2 20 |
| F 13 | 18 27 | 13 46 | 0 26 | 15 30 | 0 28 | 7 44 | 1 23 | 9 54 | 0 50 | 18 31 | 0 9 | 19 31 | 2 13 | 23 7 | 0 19 | 20 8 | 1 40 | 14 31 | 14 20 | 11 44 | 11 47 | 8 19 | 7 16 | 2 20 |
| S 14 | 18 41 | 8 40 | 0n37 | 15 5 | 0 45 | 7 42 | 1 12 | 10 11 | 0 50 | 18 30 | 0 9 | 19 30 | 2 13 | 23 6 | 0 19 | 20 8 | 1 40 | 14 31 | 14 20 | 11 44 | 11 49 | 8 16 | 7 18 | 2 20 |
| S 15 | 18 55 | 3 16 | 1 38 | 14 41 | 1 1 | 7 41 | 1 1 | 10 28 | 0 49 | 18 30 | 0 9 | 19 30 | 2 13 | 23 6 | 0 19 | 20 7 | 1 40 | 14 31 | 14 20 | 11 44 | 11 50 | 8 13 | 7 19 | 2 20 |
| M16 | 19 9 | 2n18 | 2 35 | 14 18 | 1 17 | 7 41 | 0 50 | 10 44 | 0 49 | 18 30 | 0 9 | 19 29 | 2 13 | 23 6 | 0 19 | 20 7 | 1 40 | 14 31 | 14 19 | 11 45 | 11 51 | 8 9 | 7 20 | 2 20 |
| T 17 | 19 23 | 7 50 | 3 26 | 13 58 | 1 32 | 7 42 | 0 40 | 11 1 | 0 48 | 18 30 | 0 9 | 19 28 | 2 13 | 23 6 | 0 19 | 20 7 | 1 40 | 14 31 | 14 19 | 11 47 | 11 52 | 8 6 | 7 21 | 2 20 |
| W18 | 19 36 | 13 11 | 4 8 | 13 40 | 1 47 | 7 43 | 0 30 | 11 17 | 0 48 | 18 29 | 0 9 | 19 28 | 2 13 | 23 5 | 0 19 | 20 7 | 1 40 | 14 31 | 14 19 | 11 50 | 11 53 | 8 3 | 7 22 | 2 20 |
| T 19 | 19 49 | 18 7 | 4 39 | 13 24 | 2 0 | 7 46 | 0 20 | 11 33 | 0 47 | 18 29 | 0 10 | 19 27 | 2 13 | 23 5 | 0 19 | 20 6 | 1 40 | 14 31 | 14 18 | 11 53 | 11 54 | 8 0 | 7 23 | 2 20 |
| F 20 | 20 1 | 22 20 | 4 57 | 13 10 | 2 13 | 7 49 | 0 11 | 11 49 | 0 47 | 18 29 | 0 10 | 19 26 | 2 13 | 23 5 | 0 19 | 20 6 | 1 40 | 14 31 | 14 18 | 11 58 | 11 55 | 7 56 | 7 24 | 2 20 |
| S 21 | 20 13 | 25 31 | 4 59 | 12 58 | 2 24 | 7 53 | 0 2 | 12 5 | 0 46 | 18 29 | 0 10 | 19 26 | 2 13 | 23 5 | 0 19 | 20 6 | 1 40 | 14 31 | 14 18 | 12 2 | 11 56 | 7 53 | 7 25 | 2 20 |
| S 22 | 20 25 | 27 21 | 4 45 | 12 49 | 2 35 | 7 57 | 0s 7 | 12 21 | 0 46 | 18 29 | 0 10 | 19 25 | 2 13 | 23 4 | 0 19 | 20 6 | 1 40 | 14 31 | 14 17 | 12 6 | 11 57 | 7 50 | 7 26 | 2 21 |
| M23 | 20 36 | 27 34 | 4 15 | 12 42 | 2 45 | 8 2 | 0 16 | 12 37 | 0 45 | 18 29 | 0 10 | 19 24 | 2 13 | 23 4 | 0 19 | 20 5 | 1 40 | 14 30 | 14 17 | 12 10 | 11 58 | 7 47 | 7 27 | 2 21 |
| T 24 | 20 48 | 26 4 | 3 29 | 12 38 | 2 54 | 8 8 | 0 24 | 12 52 | 0 45 | 18 29 | 0 10 | 19 24 | 2 13 | 23 4 | 0 19 | 20 5 | 1 40 | 14 30 | 14 17 | 12 13 | 12 0 | 7 43 | 7 28 | 2 21 |
| W25 | 20 58 | 22 57 | 2 31 | 12 36 | 3 1 | 8 15 | 0 32 | 13 8 | 0 44 | 18 29 | 0 10 | 19 23 | 2 13 | 23 4 | 0 19 | 20 5 | 1 40 | 14 30 | 14 16 | 12 14 | 12 1 | 7 40 | 7 29 | 2 21 |
| T 26 | 21 9 | 18 29 | 1 22 | 12 36 | 3 8 | 8 22 | 0 40 | 13 23 | 0 44 | 18 30 | 0 11 | 19 22 | 2 13 | 23 3 | 0 19 | 20 5 | 1 40 | 14 30 | 14 16 | 12 15 | 12 2 | 7 37 | 7 30 | 2 21 |
| F 27 | 21 19 | 12 58 | 0 9 | 12 38 | 3 14 | 8 30 | 0 48 | 13 38 | 0 43 | 18 30 | 0 11 | 19 22 | 2 13 | 23 3 | 0 19 | 20 4 | 1 40 | 14 30 | 14 15 | 12 15 | 12 3 | 7 33 | 7 31 | 2 21 |
| S 28 | 21 28 | 6 46 | 1s 5 | 12 42 | 3 19 | 8 38 | 0 55 | 13 53 | 0 43 | 18 30 | 0 11 | 19 21 | 2 13 | 23 3 | 0 19 | 20 4 | 1 40 | 14 30 | 14 15 | 12 15 | 12 4 | 7 30 | 7 32 | 2 21 |
| S 29 | 21 37 | 0 14 | 2 16 | 12 48 | 3 23 | 8 47 | 1 2 | 14 8 | 0 42 | 18 30 | 0 11 | 19 20 | 2 12 | 23 2 | 0 19 | 20 4 | 1 40 | 14 29 | 14 15 | 12 16 | 12 5 | 7 27 | 7 33 | 2 21 |
| M30 | 21 46 | 6s17 | 3 18 | 12 56 | 3 27 | 8 56 | 1 9 | 14 23 | 0 42 | 18 31 | 0 11 | 19 20 | 2 12 | 23 2 | 0 19 | 20 4 | 1 40 | 14 29 | 14 14 | 12 16 | 12 6 | 7 24 | 7 34 | 2 21 |
| T 31 | 21n55 | 12s29 | 4s 7 | 13n 5 | 3s29 | 9n 6 | 1s15 | 14n37 | 0s41 | 18s31 | 0s11 | 19s19 | 2n12 | 23n 2 | 0n19 | 20s 4 | 1n40 | 14n29 | 14n14 | 12s18 | 12s 7 | 7s20 | 7n35 | 2n21 |

Julian Day Number = 2801202.5, Delta T = 50m20s
Ecliptic obliquity = 23°19'03, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°08'26, Lahiri = 37°15'27


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# ASTRODIENST EPHEMERIS for the year 2957
# geocentric

## JUNE 2957 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 40 17 | 11♊28'18 | 6♏23 | 16♉22 | 27♈30 | 12♉28 | 7°R21 | 7°R41 | 12♋47 | 9°R 5 | 26°R22 | 27°R18 | 27♒55 | 8♓53 | 13♈51 | W 1 |
| T 2 | 16 44 13 | 12°26'08 | 20°17 | 17°11 | 28°15 | 13°14 | 7♒19 | 7♐36 | 12°51 | 9♐ 3 | 26♏22 | 27♒ 8 | 27°52 | 9° 0 | 13°54 | T 2 |
| F 3 | 16 48 10 | 13°23'58 | 3♐59 | 18° 4 | 29° 2 | 13°59 | 7°17 | 7°32 | 12°54 | 9° 2 | 26°22 | 26°57 | 27°48 | 9° 7 | 13°56 | F 3 |
| S 4 | 16 52 6 | 14°21'46 | 17°25 | 18°59 | 29°49 | 14°45 | 7°15 | 7°28 | 12°57 | 9° 0 | 26°22 | 26°45 | 27°45 | 9°13 | 13°58 | S 4 |
| S 5 | 16 56 3 | 15°19'32 | 0♑35 | 19°59 | 0♉38 | 15°30 | 7°13 | 7°23 | 13° 0 | 8°58 | 26°22 | 26°35 | 27°42 | 9°20 | 14° 0 | S 5 |
| M 6 | 17 0 0 | 16°17'18 | 13°25 | 21° 1 | 1°27 | 16°15 | 7°11 | 7°19 | 13° 4 | 8°57 | 26°D22 | 26°26 | 27°39 | 9°27 | 14° 2 | M 6 |
| T 7 | 17 3 56 | 17°15'02 | 25°57 | 22° 6 | 2°16 | 17° 0 | 7° 9 | 7°14 | 13° 7 | 8°55 | 26°22 | 26°20 | 27°36 | 9°33 | 14° 4 | T 7 |
| W 8 | 17 7 53 | 18°12'45 | 8♒13 | 23°14 | 3° 7 | 17°45 | 7° 6 | 7°10 | 13°10 | 8°54 | 26°22 | 26°16 | 27°33 | 9°40 | 14° 6 | W 8 |
| T 9 | 17 11 49 | 19°10'27 | 20°15 | 24°26 | 3°58 | 18°30 | 7° 3 | 7° 5 | 13°14 | 8°52 | 26°22 | 26°15 | 27°29 | 9°47 | 14° 8 | T 9 |
| F 10 | 17 15 46 | 20° 8'07 | 2♓ 8 | 25°39 | 4°49 | 19°16 | 7° 0 | 7° 1 | 13°17 | 8°50 | 26°22 | 26°D15 | 27°26 | 9°53 | 14°10 | F 10 |
| S 11 | 17 19 42 | 21° 5'47 | 13°57 | 26°56 | 5°42 | 20° 1 | 6°57 | 6°57 | 13°20 | 8°49 | 26°22 | 26°15 | 27°23 | 10° 0 | 14°12 | S 11 |
| S 12 | 17 23 39 | 22° 3'26 | 25°47 | 28°16 | 6°35 | 20°45 | 6°54 | 6°53 | 13°24 | 8°47 | 26°22 | 26°R15 | 27°20 | 10° 7 | 14°14 | S 12 |
| M13 | 17 27 35 | 23° 1'04 | 7♈43 | 29°38 | 7°28 | 21°30 | 6°50 | 6°48 | 13°27 | 8°46 | 26°23 | 26°14 | 27°17 | 10°13 | 14°15 | M13 |
| T 14 | 17 31 32 | 23°58'41 | 19°51 | 1♊ 2 | 8°22 | 22°15 | 6°47 | 6°44 | 13°30 | 8°44 | 26°23 | 26°11 | 27°14 | 10°20 | 14°17 | T 14 |
| W15 | 17 35 29 | 24°56'18 | 2♉16 | 2°30 | 9°17 | 23° 0 | 6°43 | 6°40 | 13°34 | 8°43 | 26°23 | 26° 5 | 27°10 | 10°27 | 14°19 | W15 |
| T 16 | 17 39 25 | 25°53'53 | 14°59 | 4° 0 | 10°12 | 23°45 | 6°39 | 6°36 | 13°37 | 8°41 | 26°23 | 25°58 | 27° 7 | 10°33 | 14°20 | T 16 |
| F 17 | 17 43 22 | 26°51'28 | 28° 4 | 5°32 | 11° 7 | 24°29 | 6°35 | 6°32 | 13°41 | 8°40 | 26°24 | 25°49 | 27° 4 | 10°40 | 14°22 | F 17 |
| S 18 | 17 47 18 | 27°49'02 | 11♊31 | 7° 7 | 12° 3 | 25°14 | 6°30 | 6°28 | 13°44 | 8°38 | 26°24 | 25°39 | 27° 1 | 10°46 | 14°23 | S 18 |
| S 19 | 17 51 15 | 28°46'35 | 25°18 | 8°45 | 13° 0 | 25°59 | 6°26 | 6°24 | 13°48 | 8°36 | 26°24 | 25°30 | 26°58 | 10°53 | 14°25 | S 19 |
| M20 | 17 55 11 | 29°44'07 | 9♋21 | 10°25 | 13°57 | 26°43 | 6°21 | 6°20 | 13°51 | 8°35 | 26°25 | 25°22 | 26°54 | 11° 0 | 14°26 | M20 |
| T 21 | 17 59 8 | 0♋41'38 | 23°36 | 12° 8 | 14°54 | 27°28 | 6°16 | 6°16 | 13°55 | 8°34 | 26°25 | 25°16 | 26°51 | 11° 6 | 14°28 | T 21 |
| W22 | 18 3 4 | 1°39'08 | 7♌57 | 13°53 | 15°52 | 28°12 | 6°11 | 6°12 | 13°58 | 8°32 | 26°26 | 25°13 | 26°48 | 11°13 | 14°29 | W22 |
| T 23 | 18 7 1 | 2°36'37 | 22°20 | 15°41 | 16°50 | 28°56 | 6° 6 | 6° 8 | 14° 2 | 8°31 | 26°26 | 25°D12 | 26°45 | 11°20 | 14°30 | T 23 |
| F 24 | 18 10 58 | 3°34'04 | 6♍41 | 17°31 | 17°48 | 29°41 | 6° 1 | 6° 4 | 14° 5 | 8°29 | 26°27 | 25°12 | 26°42 | 11°26 | 14°32 | F 24 |
| S 25 | 18 14 54 | 4°31'31 | 20°57 | 19°24 | 18°47 | 0♊25 | 5°56 | 6° 1 | 14° 9 | 8°28 | 26°27 | 25°13 | 26°39 | 11°33 | 14°33 | S 25 |
| S 26 | 18 18 51 | 5°28'56 | 5♎ 6 | 21°19 | 19°46 | 1° 9 | 5°50 | 5°57 | 14°12 | 8°26 | 26°28 | 25°R13 | 26°35 | 11°40 | 14°34 | S 26 |
| M27 | 18 22 47 | 6°26'21 | 19° 6 | 23°16 | 20°46 | 1°53 | 5°44 | 5°53 | 14°16 | 8°25 | 26°29 | 25°13 | 26°32 | 11°46 | 14°35 | M27 |
| T 28 | 18 26 44 | 7°23'44 | 2♏57 | 25°16 | 21°46 | 2°37 | 5°39 | 5°50 | 14°20 | 8°24 | 26°29 | 25°10 | 26°29 | 11°53 | 14°36 | T 28 |
| W29 | 18 30 40 | 8°21'06 | 16°38 | 27°17 | 22°46 | 3°21 | 5°33 | 5°46 | 14°23 | 8°22 | 26°30 | 25° 6 | 26°26 | 12° 0 | 14°37 | W29 |
| T 30 | 18 34 37 | 9♋18'28 | 0♐ 7 | 29♊21 | 23♉47 | 4♊ 5 | 5♒27 | 5♐43 | 14♋27 | 8♐21 | 26♏31 | 24♒59 | 26♒23 | 12♓ 6 | 14♈38 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n 3 | 18s 1 | 4s42 | 13n17 | 3s31 | 9n16 | 1s21 | 14n52 | 0s41 | 18s32 | 0s12 | 19s18 | 2n12 | 23n 2 | 0n19 | 20s 3 | 1n40 | 14n29 | 14n14 | 12s21 | 12s 8 | 7s17 | 7n36 | 2n21 |
| T 2 | 22 10 | 22 32 | 4 59 | 13 29 | 3 32 | 9 26 | 1 27 | 15 6 | 0 40 | 18 32 | 0 12 | 19 18 | 2 12 | 23 1 | 0 19 | 20 3 | 1 40 | 14 28 | 14 13 | 12 24 | 12 9 | 7 14 | 7 37 | 2 21 |
| F 3 | 22 17 | 25 44 | 4 59 | 13 44 | 3 32 | 9 37 | 1 33 | 15 20 | 0 39 | 18 33 | 0 12 | 19 17 | 2 12 | 23 1 | 0 19 | 20 3 | 1 40 | 14 28 | 14 13 | 12 28 | 12 10 | 7 10 | 7 38 | 2 21 |
| S 4 | 22 24 | 27 25 | 4 42 | 14 0 | 3 31 | 9 49 | 1 39 | 15 34 | 0 39 | 18 33 | 0 12 | 19 16 | 2 12 | 23 1 | 0 19 | 20 3 | 1 40 | 14 28 | 14 13 | 12 32 | 12 12 | 7 7 | 7 39 | 2 21 |
| S 5 | 22 31 | 27 30 | 4 11 | 14 17 | 3 29 | 10 1 | 1 44 | 15 47 | 0 38 | 18 34 | 0 12 | 19 16 | 2 12 | 23 0 | 0 19 | 20 2 | 1 40 | 14 27 | 14 12 | 12 35 | 12 13 | 7 4 | 7 40 | 2 21 |
| M 6 | 22 37 | 26 4 | 3 27 | 14 35 | 3 27 | 10 13 | 1 49 | 16 1 | 0 38 | 18 35 | 0 12 | 19 15 | 2 12 | 23 0 | 0 19 | 20 2 | 1 40 | 14 27 | 14 12 | 12 38 | 12 14 | 7 1 | 7 41 | 2 21 |
| T 7 | 22 43 | 23 22 | 2 34 | 14 54 | 3 24 | 10 25 | 1 54 | 16 14 | 0 37 | 18 36 | 0 12 | 19 14 | 2 12 | 23 0 | 0 19 | 20 2 | 1 40 | 14 27 | 14 11 | 12 41 | 12 15 | 6 57 | 7 41 | 2 21 |
| W 8 | 22 48 | 19 38 | 1 35 | 15 15 | 3 21 | 10 38 | 1 58 | 16 27 | 0 36 | 18 36 | 0 13 | 19 14 | 2 12 | 22 59 | 0 19 | 20 2 | 1 40 | 14 26 | 14 11 | 12 42 | 12 16 | 6 54 | 7 42 | 2 21 |
| T 9 | 22 53 | 15 10 | 0 32 | 15 36 | 3 17 | 10 51 | 2 3 | 16 40 | 0 36 | 18 37 | 0 13 | 19 13 | 2 12 | 22 59 | 0 19 | 20 1 | 1 40 | 14 26 | 14 11 | 12 42 | 12 17 | 6 51 | 7 43 | 2 21 |
| F 10 | 22 57 | 10 10 | 0n31 | 15 58 | 3 12 | 11 4 | 2 7 | 16 53 | 0 35 | 18 38 | 0 13 | 19 13 | 2 12 | 22 59 | 0 19 | 20 1 | 1 40 | 14 26 | 14 10 | 12 42 | 12 18 | 6 47 | 7 44 | 2 21 |
| S 11 | 23 1 | 4 51 | 1 33 | 16 21 | 3 7 | 11 18 | 2 11 | 17 6 | 0 35 | 18 39 | 0 13 | 19 12 | 2 11 | 22 58 | 0 19 | 20 1 | 1 40 | 14 25 | 14 10 | 12 42 | 12 19 | 6 44 | 7 44 | 2 21 |
| S 12 | 23 5 | 0n39 | 2 31 | 16 44 | 3 1 | 11 31 | 2 15 | 17 18 | 0 34 | 18 40 | 0 13 | 19 11 | 2 11 | 22 58 | 0 19 | 20 1 | 1 40 | 14 25 | 14 10 | 12 42 | 12 20 | 6 41 | 7 45 | 2 21 |
| M13 | 23 8 | 6 9 | 3 23 | 17 8 | 2 54 | 11 45 | 2 18 | 17 31 | 0 33 | 18 41 | 0 13 | 19 11 | 2 11 | 22 58 | 0 19 | 20 0 | 1 40 | 14 24 | 14 9 | 12 43 | 12 21 | 6 38 | 7 46 | 2 21 |
| T 14 | 23 11 | 11 32 | 4 6 | 17 32 | 2 47 | 11 59 | 2 22 | 17 43 | 0 33 | 18 42 | 0 14 | 19 10 | 2 11 | 22 57 | 0 19 | 20 0 | 1 40 | 14 24 | 14 9 | 12 44 | 12 22 | 6 34 | 7 47 | 2 21 |
| W15 | 23 13 | 16 34 | 4 39 | 17 56 | 2 40 | 12 13 | 2 25 | 17 55 | 0 32 | 18 43 | 0 14 | 19 10 | 2 11 | 22 57 | 0 19 | 20 0 | 1 40 | 14 24 | 14 8 | 12 45 | 12 23 | 6 31 | 7 47 | 2 21 |
| T 16 | 23 15 | 21 1 | 4 59 | 18 21 | 2 32 | 12 27 | 2 28 | 18 6 | 0 31 | 18 44 | 0 14 | 19 9 | 2 11 | 22 57 | 0 19 | 20 0 | 1 40 | 14 23 | 14 8 | 12 48 | 12 25 | 6 28 | 7 48 | 2 21 |
| F 17 | 23 17 | 24 34 | 5 4 | 18 46 | 2 23 | 12 42 | 2 31 | 18 18 | 0 31 | 18 46 | 0 14 | 19 8 | 2 11 | 22 56 | 0 19 | 20 0 | 1 40 | 14 23 | 14 8 | 12 51 | 12 26 | 6 24 | 7 49 | 2 22 |
| S 18 | 23 18 | 26 53 | 4 53 | 19 11 | 2 15 | 12 56 | 2 33 | 18 29 | 0 30 | 18 47 | 0 14 | 19 8 | 2 11 | 22 56 | 0 19 | 19 59 | 1 40 | 14 22 | 14 7 | 12 54 | 12 27 | 6 21 | 7 49 | 2 22 |
| S 19 | 23 19 | 27 39 | 4 25 | 19 35 | 2 5 | 13 11 | 2 36 | 18 40 | 0 29 | 18 48 | 0 14 | 19 7 | 2 10 | 22 56 | 0 19 | 19 59 | 1 40 | 14 22 | 14 7 | 12 57 | 12 28 | 6 18 | 7 50 | 2 22 |
| M20 | 23 19 | 26 39 | 3 40 | 19 59 | 1 56 | 13 25 | 2 38 | 18 51 | 0 29 | 18 49 | 0 15 | 19 7 | 2 10 | 22 55 | 0 19 | 19 59 | 1 40 | 14 21 | 14 7 | 13 0 | 12 29 | 6 15 | 7 51 | 2 22 |
| T 21 | 23 19 | 23 55 | 2 41 | 20 23 | 1 46 | 13 40 | 2 40 | 19 2 | 0 28 | 18 51 | 0 15 | 19 6 | 2 10 | 22 55 | 0 19 | 19 59 | 1 40 | 14 21 | 14 6 | 13 2 | 12 30 | 6 11 | 7 51 | 2 22 |
| W22 | 23 18 | 19 39 | 1 31 | 20 46 | 1 35 | 13 55 | 2 42 | 19 13 | 0 27 | 18 52 | 0 15 | 19 6 | 2 10 | 22 55 | 0 19 | 19 59 | 1 40 | 14 20 | 14 6 | 13 3 | 12 31 | 6 8 | 7 52 | 2 22 |
| T 23 | 23 17 | 14 14 | 0 15 | 21 9 | 1 25 | 14 9 | 2 44 | 19 23 | 0 27 | 18 54 | 0 15 | 19 5 | 2 10 | 22 54 | 0 19 | 19 58 | 1 39 | 14 20 | 14 5 | 13 4 | 12 32 | 6 5 | 7 52 | 2 22 |
| F 24 | 23 16 | 8 3 | 1s 2 | 21 30 | 1 14 | 14 24 | 2 46 | 19 33 | 0 26 | 18 55 | 0 15 | 19 5 | 2 10 | 22 54 | 0 19 | 19 58 | 1 39 | 14 19 | 14 5 | 13 3 | 12 33 | 6 1 | 7 53 | 2 22 |
| S 25 | 23 14 | 1 31 | 2 14 | 21 51 | 1 3 | 14 39 | 2 47 | 19 43 | 0 25 | 18 57 | 0 15 | 19 4 | 2 9 | 22 53 | 0 19 | 19 58 | 1 39 | 14 18 | 14 5 | 13 3 | 12 34 | 5 58 | 7 53 | 2 22 |
| S 26 | 23 12 | 5s 3 | 3 18 | 22 10 | 0 52 | 14 53 | 2 48 | 19 53 | 0 25 | 18 58 | 0 16 | 19 4 | 2 9 | 22 53 | 0 19 | 19 58 | 1 39 | 14 18 | 14 4 | 13 3 | 12 35 | 5 55 | 7 54 | 2 22 |
| M27 | 23 10 | 11 17 | 4 9 | 22 28 | 0 41 | 15 8 | 2 49 | 20 2 | 0 24 | 19 0 | 0 16 | 19 4 | 2 9 | 22 53 | 0 19 | 19 58 | 1 39 | 14 17 | 14 4 | 13 3 | 12 36 | 5 51 | 7 54 | 2 22 |
| T 28 | 23 7 | 16 54 | 4 45 | 22 44 | 0 30 | 15 22 | 2 50 | 20 12 | 0 23 | 19 1 | 0 16 | 19 3 | 2 9 | 22 52 | 0 19 | 19 57 | 1 39 | 14 17 | 14 4 | 13 4 | 12 37 | 5 48 | 7 55 | 2 22 |
| W29 | 23 3 | 21 35 | 5 5 | 22 59 | 0 18 | 15 36 | 2 51 | 20 21 | 0 23 | 19 3 | 0 16 | 19 3 | 2 9 | 22 52 | 0 19 | 19 57 | 1 39 | 14 16 | 14 3 | 13 6 | 12 39 | 5 45 | 7 55 | 2 22 |
| T 30 | 23n 0 | 25s 4 | 5s 7 | 23n12 | 0s 7 | 15n51 | 2s52 | 20n30 | 0s22 | 19s 4 | 0s16 | 19s 2 | 2n 9 | 22n52 | 0n19 | 19s57 | 1n39 | 14n15 | 14n 3 | 13s 8 | 12s40 | 5s42 | 7n55 | 2n22 |

Julian Day Number = 2801233.5, Delta T = 50m21s
Ecliptic obliquity = 23°19'02, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°08'31, Lahiri = 37°15'31


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# ASTRODIENST EPHEMERIS for the year 2957
# geocentric

## JULY 2957 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 38 33 | 10♋15'49 | 13♐24 | 1♋26 | 24♉47 | 4♊49 | 5°R20 | 5°R40 | 14♋30 | 8°R19 | 26♍31 | 24°R52 | 26♒20 | 12♓13 | 14♈39 | F 1 |
| S 2 | 18 42 30 | 11°13'09 | 26°27 | 3°33 | 25°49 | 5°33 | 5♒14 | 5♐36 | 14°34 | 8♐18 | 26°32 | 24♒45 | 26°16 | 12°20 | 14°40 | S 2 |
| S 3 | 18 46 27 | 12°10'28 | 9♑16 | 5°42 | 26°50 | 6°17 | 5° 8 | 5°33 | 14°37 | 8°17 | 26°33 | 24°38 | 26°13 | 12°26 | 14°40 | S 3 |
| M 4 | 18 50 23 | 13° 7'47 | 21°51 | 7°51 | 27°52 | 7° 0 | 5° 1 | 5°30 | 14°41 | 8°16 | 26°34 | 24°32 | 26°10 | 12°33 | 14°41 | M 4 |
| T 5 | 18 54 20 | 14° 5'05 | 4♒12 | 10° 2 | 28°54 | 7°44 | 4°54 | 5°27 | 14°45 | 8°14 | 26°35 | 24°28 | 26° 7 | 12°40 | 14°42 | T 5 |
| W 6 | 18 58 16 | 15° 2'23 | 16°20 | 12°13 | 29°56 | 8°27 | 4°48 | 5°24 | 14°48 | 8°13 | 26°35 | 24°26 | 26° 4 | 12°46 | 14°42 | W 6 |
| T 7 | 19 2 13 | 15°59'40 | 28°18 | 14°25 | 0♊58 | 9°11 | 4°41 | 5°21 | 14°52 | 8°12 | 26°36 | 24°D26 | 26° 0 | 12°53 | 14°43 | T 7 |
| F 8 | 19 6 9 | 16°56'57 | 10♓ 9 | 16°37 | 2° 1 | 9°54 | 4°34 | 5°19 | 14°55 | 8°11 | 26°37 | 24°27 | 25°57 | 12°59 | 14°43 | F 8 |
| S 9 | 19 10 6 | 17°54'14 | 21°58 | 18°48 | 3° 4 | 10°38 | 4°27 | 5°16 | 14°59 | 8°10 | 26°38 | 24°29 | 25°54 | 13° 6 | 14°44 | S 9 |
| S 10 | 19 14 3 | 18°51'31 | 3♈48 | 20°59 | 4° 7 | 11°21 | 4°20 | 5°13 | 15° 2 | 8° 8 | 26°39 | 24°30 | 25°51 | 13°13 | 14°44 | S 10 |
| M11 | 19 17 59 | 19°48'47 | 15°44 | 23°10 | 5°11 | 12° 4 | 4°13 | 5°11 | 15° 6 | 8° 7 | 26°40 | 24°R31 | 25°48 | 13°19 | 14°45 | M11 |
| T 12 | 19 21 56 | 20°46'04 | 27°53 | 25°19 | 6°15 | 12°48 | 4° 5 | 5° 8 | 15°10 | 8° 6 | 26°41 | 24°31 | 25°45 | 13°26 | 14°45 | T 12 |
| W13 | 19 25 52 | 21°43'21 | 10♉17 | 27°27 | 7°19 | 13°31 | 3°58 | 5° 6 | 15°13 | 8° 5 | 26°42 | 24°30 | 25°41 | 13°33 | 14°45 | W13 |
| T 14 | 19 29 49 | 22°40'37 | 23° 2 | 29°34 | 8°23 | 14°14 | 3°51 | 5° 3 | 15°17 | 8° 4 | 26°44 | 24°27 | 25°38 | 13°39 | 14°45 | T 14 |
| F 15 | 19 33 45 | 23°37'54 | 6♊10 | 1♌40 | 9°27 | 14°57 | 3°43 | 5° 1 | 15°20 | 8° 3 | 26°45 | 24°23 | 25°35 | 13°46 | 14°45 | F 15 |
| S 16 | 19 37 42 | 24°35'11 | 19°43 | 3°44 | 10°32 | 15°40 | 3°36 | 4°59 | 15°24 | 8° 2 | 26°46 | 24°18 | 25°32 | 13°53 | 14°46 | S 16 |
| S 17 | 19 41 38 | 25°32'28 | 3♋40 | 5°46 | 11°36 | 16°23 | 3°28 | 4°57 | 15°27 | 8° 1 | 26°47 | 24°14 | 25°29 | 13°59 | 14°R46 | S 17 |
| M18 | 19 45 35 | 26°29'45 | 17°59 | 7°47 | 12°41 | 17° 6 | 3°21 | 4°55 | 15°31 | 8° 0 | 26°48 | 24°11 | 25°26 | 14° 6 | 14°46 | M18 |
| T 19 | 19 49 32 | 27°27'02 | 2♌34 | 9°45 | 13°46 | 17°48 | 3°13 | 4°53 | 15°34 | 7°59 | 26°50 | 24° 8 | 25°22 | 14°13 | 14°45 | T 19 |
| W20 | 19 53 28 | 28°24'18 | 17°19 | 11°42 | 14°52 | 18°31 | 3° 5 | 4°51 | 15°38 | 7°58 | 26°51 | 24°D 7 | 25°19 | 14°19 | 14°45 | W20 |
| T 21 | 19 57 25 | 29°21'35 | 2♍ 7 | 13°37 | 15°57 | 19°14 | 2°58 | 4°50 | 15°42 | 7°57 | 26°52 | 24° 7 | 25°16 | 14°26 | 14°45 | T 21 |
| F 22 | 20 1 21 | 0♌18'51 | 16°50 | 15°30 | 17° 3 | 19°56 | 2°50 | 4°48 | 15°45 | 7°57 | 26°53 | 24° 8 | 25°13 | 14°33 | 14°45 | F 22 |
| S 23 | 20 5 18 | 1°16'07 | 1♎24 | 17°21 | 18° 8 | 20°39 | 2°42 | 4°46 | 15°48 | 7°56 | 26°55 | 24° 9 | 25°10 | 14°39 | 14°45 | S 23 |
| S 24 | 20 9 14 | 2°13'22 | 15°44 | 19°10 | 19°14 | 21°21 | 2°35 | 4°45 | 15°52 | 7°55 | 26°56 | 24°10 | 25° 6 | 14°46 | 14°44 | S 24 |
| M25 | 20 13 11 | 3°10'38 | 29°47 | 20°56 | 20°20 | 22° 3 | 2°27 | 4°44 | 15°55 | 7°54 | 26°57 | 24°R11 | 25° 3 | 14°53 | 14°44 | M25 |
| T 26 | 20 17 7 | 4° 7'53 | 13♏34 | 22°41 | 21°27 | 22°46 | 2°19 | 4°43 | 15°59 | 7°53 | 26°59 | 24°11 | 25° 0 | 14°59 | 14°43 | T 26 |
| W27 | 20 21 4 | 5° 5'09 | 27° 3 | 24°24 | 22°33 | 23°28 | 2°11 | 4°41 | 16° 2 | 7°53 | 27° 0 | 24°10 | 24°57 | 15° 6 | 14°43 | W27 |
| T 28 | 20 25 1 | 6° 2'24 | 10♐15 | 26° 5 | 23°40 | 24°10 | 2° 4 | 4°40 | 16° 6 | 7°52 | 27° 2 | 24° 8 | 24°54 | 15°13 | 14°42 | T 28 |
| F 29 | 20 28 57 | 6°59'39 | 23°12 | 27°44 | 24°46 | 24°52 | 1°56 | 4°39 | 16° 9 | 7°51 | 27° 3 | 24° 5 | 24°51 | 15°19 | 14°42 | F 29 |
| S 30 | 20 32 54 | 7°56'55 | 5♑55 | 29°21 | 25°53 | 25°34 | 1°48 | 4°39 | 16°13 | 7°51 | 27° 5 | 24° 3 | 24°47 | 15°26 | 14°41 | S 30 |
| S 31 | 20 36 50 | 8♌54'10 | 18♑24 | 0♍56 | 27♊ 0 | 26♊16 | 1♒41 | 4♐38 | 16♋16 | 7♐50 | 27♍ 6 | 24♒ 1 | 24♒44 | 15♓33 | 14♈40 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n55 | 27s 8 | 4s52 | 23n22 | 0n 4 | 16n 5 | 2s53 | 20n38 | 0s21 | 19s 6 | 0s16 | 19s 2 | 2n 8 | 22n51 | 0n19 | 19s57 | 1n39 | 14n15 | 14n 3 | 13s10 | 12s41 | 5s38 | 7n56 | 2n22 |
| S 2 | 22 51 | 27 39 | 4 23 | 23 31 | 0 15 | 16 19 | 2 53 | 20 47 | 0 21 | 19 8 | 0 16 | 19 2 | 2 8 | 22 51 | 0 19 | 19 57 | 1 39 | 14 14 | 14 2 | 13 12 | 12 42 | 5 35 | 7 56 | 2 22 |
| S 3 | 22 46 | 26 39 | 3 40 | 23 37 | 0 25 | 16 32 | 2 53 | 20 55 | 0 20 | 19 9 | 0 17 | 19 1 | 2 8 | 22 50 | 0 19 | 19 57 | 1 39 | 14 14 | 14 2 | 13 15 | 12 43 | 5 32 | 7 57 | 2 22 |
| M 4 | 22 40 | 24 19 | 2 48 | 23 40 | 0 35 | 16 46 | 2 53 | 21 3 | 0 19 | 19 11 | 0 17 | 19 1 | 2 8 | 22 50 | 0 19 | 19 56 | 1 39 | 14 13 | 14 1 | 13 17 | 12 44 | 5 28 | 7 57 | 2 22 |
| T 5 | 22 35 | 20 51 | 1 48 | 23 41 | 0 45 | 16 59 | 2 53 | 21 11 | 0 18 | 19 13 | 0 17 | 19 0 | 2 8 | 22 50 | 0 19 | 19 56 | 1 39 | 14 12 | 14 1 | 13 18 | 12 45 | 5 25 | 7 57 | 2 23 |
| W 6 | 22 28 | 16 34 | 0 44 | 23 39 | 0 54 | 17 13 | 2 53 | 21 19 | 0 18 | 19 15 | 0 17 | 19 0 | 2 7 | 22 49 | 0 19 | 19 56 | 1 39 | 14 12 | 14 1 | 13 18 | 12 46 | 5 22 | 7 58 | 2 23 |
| T 7 | 22 22 | 11 40 | 0n21 | 23 35 | 1 3 | 17 26 | 2 53 | 21 26 | 0 17 | 19 16 | 0 17 | 19 0 | 2 7 | 22 49 | 0 19 | 19 56 | 1 39 | 14 11 | 14 0 | 13 19 | 12 47 | 5 18 | 7 58 | 2 23 |
| F 8 | 22 15 | 6 25 | 1 25 | 23 27 | 1 11 | 17 38 | 2 53 | 21 33 | 0 16 | 19 18 | 0 17 | 19 0 | 2 7 | 22 49 | 0 19 | 19 56 | 1 39 | 14 10 | 14 0 | 13 18 | 12 48 | 5 15 | 7 58 | 2 23 |
| S 9 | 22 8 | 0 57 | 2 25 | 23 17 | 1 18 | 17 51 | 2 52 | 21 40 | 0 16 | 19 20 | 0 18 | 18 59 | 2 7 | 22 48 | 0 19 | 19 56 | 1 39 | 14 10 | 14 0 | 13 18 | 12 49 | 5 12 | 7 58 | 2 23 |
| S 10 | 22 0 | 4n32 | 3 18 | 23 5 | 1 25 | 18 3 | 2 51 | 21 47 | 0 15 | 19 22 | 0 18 | 18 59 | 2 7 | 22 48 | 0 19 | 19 55 | 1 39 | 14 9 | 13 59 | 13 17 | 12 50 | 5 8 | 7 58 | 2 23 |
| M11 | 21 52 | 9 55 | 4 4 | 22 50 | 1 31 | 18 15 | 2 51 | 21 53 | 0 14 | 19 24 | 0 18 | 18 59 | 2 6 | 22 47 | 0 19 | 19 55 | 1 39 | 14 8 | 13 59 | 13 17 | 12 51 | 5 5 | 7 59 | 2 23 |
| T 12 | 21 43 | 15 1 | 4 40 | 22 32 | 1 36 | 18 27 | 2 50 | 22 0 | 0 13 | 19 26 | 0 18 | 18 59 | 2 6 | 22 47 | 0 19 | 19 55 | 1 39 | 14 7 | 13 59 | 13 17 | 12 52 | 5 2 | 7 59 | 2 23 |
| W13 | 21 34 | 19 37 | 5 3 | 22 12 | 1 40 | 18 38 | 2 49 | 22 6 | 0 13 | 19 27 | 0 18 | 18 58 | 2 6 | 22 47 | 0 19 | 19 55 | 1 39 | 14 7 | 13 58 | 13 17 | 12 54 | 4 59 | 7 59 | 2 23 |
| T 14 | 21 25 | 23 28 | 5 13 | 21 50 | 1 44 | 18 50 | 2 48 | 22 12 | 0 12 | 19 29 | 0 18 | 18 58 | 2 6 | 22 46 | 0 19 | 19 55 | 1 39 | 14 6 | 13 58 | 13 18 | 12 55 | 4 55 | 7 59 | 2 23 |
| F 15 | 21 16 | 26 15 | 5 6 | 21 25 | 1 47 | 19 0 | 2 47 | 22 17 | 0 11 | 19 31 | 0 18 | 18 58 | 2 6 | 22 46 | 0 19 | 19 55 | 1 39 | 14 5 | 13 58 | 13 20 | 12 56 | 4 52 | 7 59 | 2 23 |
| S 16 | 21 6 | 27 37 | 4 43 | 20 59 | 1 49 | 19 11 | 2 45 | 22 23 | 0 10 | 19 33 | 0 19 | 18 58 | 2 5 | 22 45 | 0 19 | 19 55 | 1 39 | 14 4 | 13 57 | 13 21 | 12 57 | 4 49 | 7 59 | 2 23 |
| S 17 | 20 55 | 27 18 | 4 2 | 20 31 | 1 50 | 19 21 | 2 44 | 22 28 | 0 10 | 19 35 | 0 19 | 18 58 | 2 5 | 22 45 | 0 19 | 19 55 | 1 39 | 14 4 | 13 57 | 13 23 | 12 58 | 4 45 | 7 59 | 2 23 |
| M18 | 20 45 | 25 11 | 3 5 | 20 1 | 1 51 | 19 31 | 2 43 | 22 33 | 0 9 | 19 37 | 0 19 | 18 58 | 2 5 | 22 45 | 0 20 | 19 55 | 1 39 | 14 3 | 13 57 | 13 24 | 12 59 | 4 42 | 7 59 | 2 23 |
| T 19 | 20 34 | 21 22 | 1 56 | 19 30 | 1 51 | 19 40 | 2 41 | 22 38 | 0 8 | 19 39 | 0 19 | 18 57 | 2 5 | 22 44 | 0 20 | 19 54 | 1 39 | 14 2 | 13 56 | 13 25 | 13 0 | 4 39 | 7 59 | 2 23 |
| W20 | 20 23 | 16 10 | 0 37 | 18 57 | 1 50 | 19 49 | 2 39 | 22 42 | 0 7 | 19 41 | 0 19 | 18 57 | 2 4 | 22 44 | 0 20 | 19 54 | 1 39 | 14 1 | 13 56 | 13 25 | 13 1 | 4 35 | 7 59 | 2 23 |
| T 21 | 20 11 | 9 59 | 0s44 | 18 23 | 1 49 | 19 58 | 2 38 | 22 47 | 0 6 | 19 43 | 0 19 | 18 57 | 2 4 | 22 43 | 0 20 | 19 54 | 1 38 | 14 1 | 13 56 | 13 25 | 13 2 | 4 32 | 7 59 | 2 23 |
| F 22 | 19 59 | 3 18 | 2 2 | 17 48 | 1 47 | 20 6 | 2 36 | 22 51 | 0 6 | 19 44 | 0 19 | 18 57 | 2 4 | 22 43 | 0 20 | 19 54 | 1 38 | 14 0 | 13 56 | 13 25 | 13 3 | 4 29 | 7 59 | 2 23 |
| S 23 | 19 46 | 3s29 | 3 11 | 17 13 | 1 44 | 20 14 | 2 34 | 22 54 | 0 5 | 19 46 | 0 20 | 18 57 | 2 4 | 22 43 | 0 20 | 19 54 | 1 38 | 13 59 | 13 55 | 13 24 | 13 4 | 4 25 | 7 59 | 2 24 |
| S 24 | 19 34 | 9 58 | 4 7 | 16 36 | 1 41 | 20 22 | 2 32 | 22 58 | 0 4 | 19 48 | 0 20 | 18 57 | 2 4 | 22 42 | 0 20 | 19 54 | 1 38 | 13 58 | 13 55 | 13 24 | 13 5 | 4 22 | 7 59 | 2 24 |
| M25 | 19 21 | 15 49 | 4 47 | 15 58 | 1 37 | 20 29 | 2 30 | 23 1 | 0 3 | 19 50 | 0 20 | 18 57 | 2 3 | 22 42 | 0 20 | 19 54 | 1 38 | 13 57 | 13 55 | 13 24 | 13 6 | 4 19 | 7 59 | 2 24 |
| T 26 | 19 8 | 20 45 | 5 10 | 15 20 | 1 32 | 20 35 | 2 28 | 23 5 | 0 3 | 19 52 | 0 20 | 18 57 | 2 3 | 22 41 | 0 20 | 19 54 | 1 38 | 13 57 | 13 54 | 13 24 | 13 7 | 4 15 | 7 59 | 2 24 |
| W27 | 18 54 | 24 30 | 5 15 | 14 42 | 1 27 | 20 41 | 2 25 | 23 8 | 0 2 | 19 54 | 0 20 | 18 57 | 2 3 | 22 41 | 0 20 | 19 54 | 1 38 | 13 56 | 13 54 | 13 24 | 13 8 | 4 12 | 7 59 | 2 24 |
| T 28 | 18 40 | 26 52 | 5 3 | 14 3 | 1 22 | 20 47 | 2 23 | 23 10 | 0 1 | 19 56 | 0 20 | 18 57 | 2 3 | 22 41 | 0 20 | 19 54 | 1 38 | 13 55 | 13 54 | 13 25 | 13 9 | 4 9 | 7 59 | 2 24 |
| F 29 | 18 26 | 27 44 | 4 36 | 13 23 | 1 16 | 20 52 | 2 21 | 23 13 | 0 0 | 19 58 | 0 20 | 18 57 | 2 2 | 22 40 | 0 20 | 19 54 | 1 38 | 13 54 | 13 54 | 13 25 | 13 10 | 4 5 | 7 59 | 2 24 |
| S 30 | 18 11 | 27 6 | 3 55 | 12 43 | 1 9 | 20 57 | 2 18 | 23 15 | 0n 1 | 19 59 | 0 20 | 18 57 | 2 2 | 22 40 | 0 20 | 19 54 | 1 38 | 13 53 | 13 53 | 13 26 | 13 12 | 4 2 | 7 58 | 2 24 |
| S 31 | 17n56 | 25s 6 | 3s 4 | 12n 4 | 1n 2 | 21n 1 | 2s16 | 23n17 | 0n 1 | 20s 1 | 0s21 | 18s57 | 2n 2 | 22n39 | 0n20 | 19s54 | 1n38 | 13n52 | 13n53 | 13s27 | 13s13 | 3s59 | 7n58 | 2n24 |

Julian Day Number = 2801263.5, Delta T = 50m21s
Ecliptic obliquity = 23°19'02, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°08'35, Lahiri = 37°15'35


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# ASTRODIENST EPHEMERIS for the year 2957
# geocentric

## AUGUST 2957 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 40 47 | 9♌51'26 | 0♒42 | 2♍29 | 28♊ 7 | 26♊58 | 1°R33 | 4°R37 | 16♋19 | 7°R50 | 27♍ 8 | 23°R59 | 24♒41 | 15♓39 | 14°R40 | M 1 |
| T 2 | 20 44 43 | 10°48'42 | 12°50 | 4° 0 | 29°14 | 27°40 | 1♒26 | 4♐37 | 16°23 | 7♐49 | 27° 9 | 23♒58 | 24°38 | 15°46 | 14♈39 | T 2 |
| W 3 | 20 48 40 | 11°45'58 | 24°49 | 5°29 | 0♋22 | 28°21 | 1°18 | 4°36 | 16°26 | 7°49 | 27°11 | 23°D58 | 24°35 | 15°52 | 14°38 | W 3 |
| T 4 | 20 52 36 | 12°43'15 | 6♓42 | 6°56 | 1°29 | 29° 3 | 1°11 | 4°36 | 16°29 | 7°48 | 27°13 | 23°58 | 24°32 | 15°59 | 14°37 | T 4 |
| F 5 | 20 56 33 | 13°40'32 | 18°31 | 8°21 | 2°37 | 29°45 | 1° 3 | 4°35 | 16°33 | 7°48 | 27°14 | 23°59 | 24°28 | 16° 6 | 14°36 | F 5 |
| S 6 | 21 0 30 | 14°37'50 | 0♈20 | 9°44 | 3°45 | 0♋26 | 0°56 | 4°35 | 16°36 | 7°47 | 27°16 | 24° 0 | 24°25 | 16°12 | 14°35 | S 6 |
| S 7 | 21 4 26 | 15°35'08 | 12°10 | 11° 4 | 4°53 | 1° 8 | 0°49 | 4°D35 | 16°39 | 7°47 | 27°17 | 24° 1 | 24°22 | 16°19 | 14°34 | S 7 |
| M 8 | 21 8 23 | 16°32'28 | 24° 7 | 12°23 | 6° 1 | 1°49 | 0°41 | 4°35 | 16°42 | 7°46 | 27°19 | 24° 2 | 24°19 | 16°26 | 14°33 | M 8 |
| T 9 | 21 12 19 | 17°29'48 | 6♉15 | 13°39 | 7° 9 | 2°30 | 0°34 | 4°35 | 16°46 | 7°46 | 27°21 | 24° 2 | 24°16 | 16°32 | 14°32 | T 9 |
| W10 | 21 16 16 | 18°27'09 | 18°38 | 14°53 | 8°17 | 3°12 | 0°27 | 4°35 | 16°49 | 7°46 | 27°23 | 24°R 2 | 24°12 | 16°39 | 14°31 | W10 |
| T 11 | 21 20 12 | 19°24'31 | 1♊20 | 16° 5 | 9°26 | 3°53 | 0°20 | 4°36 | 16°52 | 7°46 | 27°24 | 24° 2 | 24° 9 | 16°46 | 14°29 | T 11 |
| F 12 | 21 24 9 | 20°21'54 | 14°24 | 17°14 | 10°34 | 4°34 | 0°14 | 4°36 | 16°55 | 7°45 | 27°26 | 24° 2 | 24° 6 | 16°52 | 14°28 | F 12 |
| S 13 | 21 28 5 | 21°19'17 | 27°55 | 18°21 | 11°43 | 5°15 | 0° 7 | 4°37 | 16°58 | 7°45 | 27°28 | 24° 2 | 24° 3 | 16°59 | 14°27 | S 13 |
| S 14 | 21 32 2 | 22°16'42 | 11♋51 | 19°25 | 12°52 | 5°56 | 0° 0 | 4°37 | 17° 1 | 7°45 | 27°30 | 24° 1 | 24° 0 | 17° 6 | 14°25 | S 14 |
| M15 | 21 35 59 | 23°14'08 | 26°13 | 20°27 | 14° 1 | 6°37 | 29♑54 | 4°38 | 17° 4 | 7°45 | 27°31 | 24° 1 | 23°57 | 17°12 | 14°24 | M15 |
| T 16 | 21 39 55 | 24°11'35 | 10♌57 | 21°26 | 15°10 | 7°18 | 29°47 | 4°39 | 17° 7 | 7°45 | 27°33 | 24°D 1 | 23°53 | 17°19 | 14°23 | T 16 |
| W17 | 21 43 52 | 25° 9'02 | 25°56 | 22°22 | 16°19 | 7°58 | 29°41 | 4°40 | 17°10 | 7°45 | 27°35 | 24°R 1 | 23°50 | 17°26 | 14°21 | W17 |
| T 18 | 21 47 48 | 26° 6'30 | 11♍ 1 | 23°15 | 17°28 | 8°39 | 29°35 | 4°41 | 17°13 | 7°45 | 27°37 | 24° 1 | 23°47 | 17°32 | 14°19 | T 18 |
| F 19 | 21 51 45 | 27° 3'59 | 26° 5 | 24° 5 | 18°37 | 9°19 | 29°28 | 4°42 | 17°16 | 7°D45 | 27°39 | 24° 1 | 23°44 | 17°39 | 14°18 | F 19 |
| S 20 | 21 55 41 | 28° 1'29 | 10♎59 | 24°51 | 19°46 | 10° 0 | 29°22 | 4°43 | 17°19 | 7°45 | 27°41 | 24° 1 | 23°41 | 17°46 | 14°16 | S 20 |
| S 21 | 21 59 38 | 28°58'59 | 25°36 | 25°34 | 20°56 | 10°40 | 29°17 | 4°44 | 17°22 | 7°45 | 27°43 | 24° 0 | 23°38 | 17°52 | 14°14 | S 21 |
| M22 | 22 3 34 | 29°56'30 | 9♏51 | 26°13 | 22° 6 | 11°21 | 29°11 | 4°46 | 17°25 | 7°45 | 27°45 | 24° 0 | 23°34 | 17°59 | 14°13 | M22 |
| T 23 | 22 7 31 | 0♍54'02 | 23°41 | 26°49 | 23°15 | 12° 1 | 29° 5 | 4°47 | 17°28 | 7°45 | 27°46 | 23°59 | 23°31 | 18° 6 | 14°11 | T 23 |
| W24 | 22 11 28 | 1°51'34 | 7♐ 8 | 27°20 | 24°25 | 12°41 | 29° 0 | 4°49 | 17°31 | 7°45 | 27°48 | 23°D59 | 23°28 | 18°12 | 14° 9 | W24 |
| T 25 | 22 15 24 | 2°49'08 | 20°13 | 27°48 | 25°35 | 13°21 | 28°55 | 4°50 | 17°33 | 7°45 | 27°50 | 24° 0 | 23°25 | 18°19 | 14° 7 | T 25 |
| F 26 | 22 19 21 | 3°46'42 | 2♑58 | 28°10 | 26°45 | 14° 1 | 28°50 | 4°52 | 17°36 | 7°45 | 27°52 | 24° 0 | 23°22 | 18°26 | 14° 5 | F 26 |
| S 27 | 22 23 17 | 4°44'17 | 15°27 | 28°29 | 27°55 | 14°41 | 28°45 | 4°54 | 17°39 | 7°46 | 27°54 | 24° 1 | 23°18 | 18°32 | 14° 3 | S 27 |
| S 28 | 22 27 14 | 5°41'52 | 27°42 | 28°42 | 29° 5 | 15°21 | 28°40 | 4°56 | 17°42 | 7°46 | 27°56 | 24° 2 | 23°15 | 18°39 | 14° 1 | S 28 |
| M29 | 22 31 10 | 6°39'29 | 9♒47 | 28°50 | 0♌15 | 16° 1 | 28°35 | 4°58 | 17°44 | 7°46 | 27°58 | 24° 3 | 23°12 | 18°46 | 13°59 | M29 |
| T 30 | 22 35 7 | 7°37'07 | 21°44 | 28°R53 | 1°26 | 16°40 | 28°31 | 5° 0 | 17°47 | 7°47 | 28° 0 | 24°R 4 | 23° 9 | 18°52 | 13°57 | T 30 |
| W31 | 22 39 3 | 8♍34'46 | 3♓36 | 28♍50 | 2♌36 | 17♋20 | 28♑26 | 5♐ 2 | 17♋49 | 7♐47 | 28♍ 2 | 24♒ 3 | 23♒ 6 | 18♓59 | 13♈55 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n41 | 21s56 | 2s 5 | 11n24 | 0n55 | 21n 5 | 2s13 | 23n19 | 0n 2 | 20s 3 | 0s21 | 18s58 | 2n 2 | 22n39 | 0n20 | 19s54 | 1n38 | 13n52 | 13n53 | 13s27 | 13s14 | 3s56 | 7n58 | 2n24 |
| T 2 | 17 26 | 17 51 | 1 1 | 10 44 | 0 47 | 21 9 | 2 10 | 23 21 | 0 3 | 20 5 | 0 21 | 18 58 | 2 1 | 22 39 | 0 20 | 19 53 | 1 38 | 13 51 | 13 53 | 13 28 | 13 15 | 3 52 | 7 58 | 2 24 |
| W 3 | 17 10 | 13 6 | 0n 5 | 10 4 | 0 39 | 21 11 | 2 8 | 23 22 | 0 4 | 20 6 | 0 21 | 18 58 | 2 1 | 22 38 | 0 20 | 19 53 | 1 38 | 13 50 | 13 52 | 13 28 | 13 16 | 3 49 | 7 57 | 2 24 |
| T 4 | 16 54 | 7 55 | 1 10 | 9 24 | 0 31 | 21 14 | 2 5 | 23 23 | 0 5 | 20 8 | 0 21 | 18 58 | 2 1 | 22 38 | 0 20 | 19 53 | 1 38 | 13 49 | 13 52 | 13 28 | 13 17 | 3 46 | 7 57 | 2 24 |
| F 5 | 16 38 | 2 29 | 2 12 | 8 44 | 0 22 | 21 15 | 2 2 | 23 24 | 0 5 | 20 10 | 0 21 | 18 58 | 2 1 | 22 38 | 0 20 | 19 53 | 1 38 | 13 48 | 13 52 | 13 27 | 13 18 | 3 42 | 7 57 | 2 24 |
| S 6 | 16 22 | 3n 1 | 3 8 | 8 5 | 0 13 | 21 17 | 1 59 | 23 25 | 0 6 | 20 12 | 0 21 | 18 58 | 2 0 | 22 37 | 0 20 | 19 53 | 1 38 | 13 47 | 13 52 | 13 27 | 13 19 | 3 39 | 7 56 | 2 24 |
| S 7 | 16 5 | 8 25 | 3 57 | 7 26 | 0 3 | 21 18 | 1 56 | 23 26 | 0 7 | 20 13 | 0 21 | 18 59 | 2 0 | 22 37 | 0 20 | 19 53 | 1 38 | 13 46 | 13 51 | 13 27 | 13 20 | 3 36 | 7 56 | 2 24 |
| M 8 | 15 48 | 13 35 | 4 35 | 6 47 | 0s 7 | 21 18 | 1 53 | 23 26 | 0 8 | 20 15 | 0 22 | 18 59 | 2 0 | 22 36 | 0 20 | 19 53 | 1 38 | 13 46 | 13 51 | 13 27 | 13 21 | 3 32 | 7 56 | 2 24 |
| T 9 | 15 31 | 18 17 | 5 2 | 6 8 | 0 17 | 21 17 | 1 50 | 23 26 | 0 9 | 20 17 | 0 22 | 18 59 | 2 0 | 22 36 | 0 20 | 19 53 | 1 37 | 13 45 | 13 51 | 13 27 | 13 22 | 3 29 | 7 55 | 2 24 |
| W10 | 15 13 | 22 20 | 5 16 | 5 31 | 0 27 | 21 17 | 1 47 | 23 26 | 0 10 | 20 18 | 0 22 | 18 59 | 1 59 | 22 36 | 0 20 | 19 53 | 1 37 | 13 44 | 13 51 | 13 26 | 13 23 | 3 26 | 7 55 | 2 24 |
| T 11 | 14 55 | 25 27 | 5 15 | 4 53 | 0 38 | 21 15 | 1 44 | 23 26 | 0 10 | 20 20 | 0 22 | 19 0 | 1 59 | 22 35 | 0 20 | 19 53 | 1 37 | 13 43 | 13 51 | 13 26 | 13 24 | 3 22 | 7 54 | 2 24 |
| F 12 | 14 38 | 27 20 | 4 58 | 4 16 | 0 48 | 21 13 | 1 41 | 23 26 | 0 11 | 20 21 | 0 22 | 19 0 | 1 59 | 22 35 | 0 20 | 19 53 | 1 37 | 13 42 | 13 50 | 13 27 | 13 25 | 3 19 | 7 54 | 2 24 |
| S 13 | 14 19 | 27 42 | 4 24 | 3 40 | 0 59 | 21 11 | 1 38 | 23 25 | 0 12 | 20 23 | 0 22 | 19 0 | 1 59 | 22 35 | 0 20 | 19 53 | 1 37 | 13 41 | 13 50 | 13 27 | 13 26 | 3 16 | 7 53 | 2 25 |
| S 14 | 14 1 | 26 20 | 3 34 | 3 5 | 1 10 | 21 8 | 1 35 | 23 24 | 0 13 | 20 24 | 0 22 | 19 1 | 1 58 | 22 34 | 0 20 | 19 53 | 1 37 | 13 40 | 13 50 | 13 27 | 13 27 | 3 12 | 7 53 | 2 25 |
| M15 | 13 42 | 23 14 | 2 28 | 2 31 | 1 22 | 21 4 | 1 31 | 23 23 | 0 14 | 20 26 | 0 22 | 19 1 | 1 58 | 22 34 | 0 20 | 19 54 | 1 37 | 13 40 | 13 50 | 13 27 | 13 28 | 3 9 | 7 52 | 2 25 |
| T 16 | 13 23 | 18 33 | 1 12 | 1 57 | 1 33 | 21 0 | 1 28 | 23 22 | 0 15 | 20 27 | 0 22 | 19 2 | 1 58 | 22 33 | 0 20 | 19 54 | 1 37 | 13 39 | 13 50 | 13 27 | 13 29 | 3 6 | 7 52 | 2 25 |
| W17 | 13 4 | 12 39 | 0s11 | 1 25 | 1 45 | 20 55 | 1 25 | 23 20 | 0 15 | 20 29 | 0 22 | 19 2 | 1 58 | 22 33 | 0 20 | 19 54 | 1 37 | 13 38 | 13 50 | 13 27 | 13 30 | 3 2 | 7 51 | 2 25 |
| T 18 | 12 45 | 5 57 | 1 33 | 0 53 | 1 56 | 20 50 | 1 22 | 23 18 | 0 16 | 20 30 | 0 23 | 19 2 | 1 57 | 22 33 | 0 20 | 19 54 | 1 37 | 13 37 | 13 49 | 13 27 | 13 31 | 2 59 | 7 51 | 2 25 |
| F 19 | 12 26 | 1s 2 | 2 49 | 0 23 | 2 8 | 20 44 | 1 18 | 23 16 | 0 17 | 20 32 | 0 23 | 19 3 | 1 57 | 22 32 | 0 20 | 19 54 | 1 37 | 13 36 | 13 49 | 13 27 | 13 33 | 2 56 | 7 50 | 2 25 |
| S 20 | 12 6 | 7 53 | 3 52 | 0s 6 | 2 20 | 20 38 | 1 15 | 23 14 | 0 18 | 20 33 | 0 23 | 19 3 | 1 57 | 22 32 | 0 20 | 19 54 | 1 37 | 13 35 | 13 49 | 13 27 | 13 34 | 2 52 | 7 49 | 2 25 |
| S 21 | 11 46 | 14 11 | 4 39 | 0 34 | 2 31 | 20 31 | 1 12 | 23 12 | 0 19 | 20 34 | 0 23 | 19 4 | 1 57 | 22 32 | 0 20 | 19 54 | 1 37 | 13 34 | 13 49 | 13 27 | 13 35 | 2 49 | 7 49 | 2 25 |
| M22 | 11 26 | 19 33 | 5 8 | 1 0 | 2 43 | 20 24 | 1 8 | 23 10 | 0 20 | 20 35 | 0 23 | 19 4 | 1 56 | 22 31 | 0 20 | 19 54 | 1 37 | 13 33 | 13 49 | 13 27 | 13 36 | 2 46 | 7 48 | 2 25 |
| T 23 | 11 6 | 23 43 | 5 17 | 1 24 | 2 54 | 20 16 | 1 5 | 23 7 | 0 20 | 20 37 | 0 23 | 19 5 | 1 56 | 22 31 | 0 20 | 19 54 | 1 37 | 13 32 | 13 49 | 13 27 | 13 37 | 2 42 | 7 47 | 2 25 |
| W24 | 10 46 | 26 28 | 5 9 | 1 47 | 3 6 | 20 7 | 1 1 | 23 4 | 0 21 | 20 38 | 0 23 | 19 5 | 1 56 | 22 31 | 0 20 | 19 54 | 1 37 | 13 32 | 13 48 | 13 27 | 13 38 | 2 39 | 7 47 | 2 25 |
| T 25 | 10 25 | 27 42 | 4 45 | 2 8 | 3 17 | 19 58 | 0 58 | 23 1 | 0 22 | 20 39 | 0 23 | 19 6 | 1 56 | 22 30 | 0 20 | 19 54 | 1 37 | 13 31 | 13 48 | 13 27 | 13 39 | 2 36 | 7 46 | 2 25 |
| F 26 | 10 4 | 27 24 | 4 7 | 2 27 | 3 27 | 19 48 | 0 55 | 22 58 | 0 23 | 20 40 | 0 23 | 19 6 | 1 55 | 22 30 | 0 20 | 19 54 | 1 37 | 13 30 | 13 48 | 13 27 | 13 40 | 2 33 | 7 45 | 2 25 |
| S 27 | 9 43 | 25 43 | 3 18 | 2 44 | 3 38 | 19 38 | 0 51 | 22 55 | 0 24 | 20 41 | 0 23 | 19 7 | 1 55 | 22 30 | 0 20 | 19 54 | 1 36 | 13 29 | 13 48 | 13 27 | 13 41 | 2 29 | 7 45 | 2 25 |
| S 28 | 9 23 | 22 49 | 2 21 | 2 58 | 3 48 | 19 28 | 0 48 | 22 51 | 0 25 | 20 42 | 0 23 | 19 8 | 1 55 | 22 29 | 0 20 | 19 54 | 1 36 | 13 28 | 13 48 | 13 26 | 13 42 | 2 26 | 7 44 | 2 25 |
| M29 | 9 1 | 18 58 | 1 18 | 3 10 | 3 57 | 19 16 | 0 44 | 22 47 | 0 26 | 20 43 | 0 23 | 19 8 | 1 55 | 22 29 | 0 20 | 19 55 | 1 36 | 13 27 | 13 48 | 13 26 | 13 43 | 2 23 | 7 43 | 2 25 |
| T 30 | 8 40 | 14 24 | 0 13 | 3 20 | 4 6 | 19 4 | 0 41 | 22 43 | 0 27 | 20 44 | 0 24 | 19 9 | 1 54 | 22 29 | 0 20 | 19 55 | 1 36 | 13 26 | 13 48 | 13 26 | 13 44 | 2 19 | 7 42 | 2 25 |
| W31 | 8n19 | 9s19 | 0n53 | 3s26 | 4s14 | 18n52 | 0s38 | 22n39 | 0n27 | 20s45 | 0s24 | 19s 9 | 1n54 | 22n28 | 0n20 | 19s55 | 1n36 | 13n25 | 13n48 | 13s26 | 13s45 | 2s16 | 7n42 | 2n25 |

Julian Day Number = 2801294.5, Delta T = 50m22s
Ecliptic obliquity = 23°19'02, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°08'39, Lahiri = 37°15'40


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# ASTRODIENST EPHEMERIS for the year 2957
# geocentric

## SEPTEMBER 2957 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 43 0 | 9♍32'25 | 15♓25 | 28°R42 | 3♌47 | 18♋ 0 | 28°R22 | 5♐ 5 | 17♋52 | 7♐47 | 28♍ 4 | 24°R 2 | 23♒ 3 | 19♓ 6 | 13°R53 | T 1 |
| F 2 | 22 46 57 | 10°30'07 | 27°14 | 28♍28 | 4°57 | 18°39 | 28♑18 | 5° 7 | 17°54 | 7°48 | 28° 6 | 24♒ 1 | 22°59 | 19°12 | 13♈51 | F 2 |
| S 3 | 22 50 53 | 11°27'49 | 9♈ 4 | 28° 9 | 6° 8 | 19°18 | 28°14 | 5°10 | 17°57 | 7°48 | 28° 8 | 23°58 | 22°56 | 19°19 | 13°49 | S 3 |
| S 4 | 22 54 50 | 12°25'33 | 20°58 | 27°44 | 7°19 | 19°58 | 28°11 | 5°12 | 17°59 | 7°49 | 28°11 | 23°55 | 22°53 | 19°25 | 13°47 | S 4 |
| M 5 | 22 58 46 | 13°23'18 | 2♉59 | 27°13 | 8°30 | 20°37 | 28° 7 | 5°15 | 18° 2 | 7°49 | 28°13 | 23°53 | 22°50 | 19°32 | 13°44 | M 5 |
| T 6 | 23 2 43 | 14°21'05 | 15° 9 | 26°37 | 9°40 | 21°16 | 28° 4 | 5°18 | 18° 4 | 7°50 | 28°15 | 23°50 | 22°47 | 19°39 | 13°42 | T 6 |
| W 7 | 23 6 39 | 15°18'54 | 27°32 | 25°57 | 10°52 | 21°55 | 28° 1 | 5°21 | 18° 6 | 7°51 | 28°17 | 23°48 | 22°43 | 19°45 | 13°40 | W 7 |
| T 8 | 23 10 36 | 16°16'44 | 10♊12 | 25°11 | 12° 3 | 22°34 | 27°58 | 5°24 | 18° 9 | 7°51 | 28°19 | 23°47 | 22°40 | 19°52 | 13°37 | T 8 |
| F 9 | 23 14 32 | 17°14'36 | 23°12 | 24°22 | 13°14 | 23°13 | 27°55 | 5°27 | 18°11 | 7°52 | 28°21 | 23°D47 | 22°37 | 19°59 | 13°35 | F 9 |
| S 10 | 23 18 29 | 18°12'30 | 6♋34 | 23°30 | 14°25 | 23°52 | 27°52 | 5°30 | 18°13 | 7°53 | 28°23 | 23°48 | 22°34 | 20° 5 | 13°33 | S 10 |
| S 11 | 23 22 26 | 19°10'25 | 20°22 | 22°36 | 15°37 | 24°30 | 27°50 | 5°33 | 18°15 | 7°53 | 28°25 | 23°49 | 22°31 | 20°12 | 13°30 | S 11 |
| M12 | 23 26 22 | 20° 8'22 | 4♌36 | 21°41 | 16°48 | 25° 9 | 27°48 | 5°36 | 18°17 | 7°54 | 28°27 | 23°51 | 22°28 | 20°19 | 13°28 | M12 |
| T 13 | 23 30 19 | 21° 6'21 | 19°14 | 20°46 | 18° 0 | 25°47 | 27°46 | 5°40 | 18°19 | 7°55 | 28°29 | 23°R51 | 22°24 | 20°25 | 13°25 | T 13 |
| W14 | 23 34 15 | 22° 4'21 | 4♍12 | 19°52 | 19°11 | 26°26 | 27°44 | 5°43 | 18°21 | 7°56 | 28°31 | 23°51 | 22°21 | 20°32 | 13°23 | W14 |
| T 15 | 23 38 12 | 23° 2'23 | 19°22 | 19° 0 | 20°23 | 27° 4 | 27°42 | 5°47 | 18°23 | 7°57 | 28°34 | 23°50 | 22°18 | 20°39 | 13°20 | T 15 |
| F 16 | 23 42 8 | 24° 0'27 | 4♎36 | 18°12 | 21°35 | 27°42 | 27°41 | 5°50 | 18°25 | 7°57 | 28°36 | 23°47 | 22°15 | 20°45 | 13°18 | F 16 |
| S 17 | 23 46 5 | 24°58'32 | 19°43 | 17°28 | 22°47 | 28°20 | 27°39 | 5°54 | 18°27 | 7°58 | 28°38 | 23°42 | 22°12 | 20°52 | 13°15 | S 17 |
| S 18 | 23 50 1 | 25°56'39 | 4♏34 | 16°50 | 23°58 | 28°58 | 27°38 | 5°58 | 18°29 | 7°59 | 28°40 | 23°38 | 22° 9 | 20°59 | 13°13 | S 18 |
| M19 | 23 53 58 | 26°54'47 | 19° 1 | 16°19 | 25°10 | 29°36 | 27°37 | 6° 2 | 18°31 | 8° 0 | 28°42 | 23°33 | 22° 5 | 21° 5 | 13°10 | M19 |
| T 20 | 23 57 54 | 27°52'56 | 3♐ 1 | 15°55 | 26°23 | 0♌14 | 27°37 | 6° 6 | 18°33 | 8° 1 | 28°44 | 23°30 | 22° 2 | 21°12 | 13° 8 | T 20 |
| W21 | 0 1 51 | 28°51'07 | 16°33 | 15°39 | 27°35 | 0°52 | 27°36 | 6°10 | 18°34 | 8° 2 | 28°46 | 23°28 | 21°59 | 21°19 | 13° 5 | W21 |
| T 22 | 0 5 48 | 29°49'19 | 29°39 | 15°D31 | 28°47 | 1°30 | 27°36 | 6°14 | 18°36 | 8° 3 | 28°48 | 23°D27 | 21°56 | 21°25 | 13° 2 | T 22 |
| F 23 | 0 9 44 | 0♎47'33 | 12♑20 | 15°32 | 29°59 | 2° 7 | 27°D36 | 6°18 | 18°38 | 8° 4 | 28°51 | 23°28 | 21°53 | 21°32 | 13° 0 | F 23 |
| S 24 | 0 13 41 | 1°45'48 | 24°42 | 15°43 | 1♍11 | 2°45 | 27°36 | 6°22 | 18°39 | 8° 6 | 28°53 | 23°29 | 21°49 | 21°39 | 12°57 | S 24 |
| S 25 | 0 17 37 | 2°44'05 | 6♒50 | 16° 2 | 2°24 | 3°22 | 27°36 | 6°27 | 18°41 | 8° 7 | 28°55 | 23°31 | 21°46 | 21°45 | 12°54 | S 25 |
| M26 | 0 21 34 | 3°42'23 | 18°47 | 16°30 | 3°36 | 3°59 | 27°36 | 6°31 | 18°42 | 8° 8 | 28°57 | 23°R32 | 21°43 | 21°52 | 12°52 | M26 |
| T 27 | 0 25 30 | 4°40'42 | 0♓38 | 17° 6 | 4°49 | 4°36 | 27°37 | 6°36 | 18°44 | 8° 9 | 28°59 | 23°32 | 21°40 | 21°59 | 12°49 | T 27 |
| W28 | 0 29 27 | 5°39'03 | 12°26 | 17°51 | 6° 2 | 5°13 | 27°38 | 6°40 | 18°45 | 8°10 | 29° 1 | 23°30 | 21°37 | 22° 5 | 12°46 | W28 |
| T 29 | 0 33 23 | 6°37'26 | 24°15 | 18°45 | 7°14 | 5°50 | 27°39 | 6°45 | 18°46 | 8°12 | 29° 3 | 23°26 | 21°34 | 22°12 | 12°43 | T 29 |
| F 30 | 0 37 20 | 7♎35'51 | 6♈ 6 | 19♍45 | 8♍27 | 6♌27 | 27♑40 | 6♐50 | 18♋48 | 8♐13 | 29♍ 5 | 23♒20 | 21♒30 | 22♓19 | 12♈41 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n57 | 3s56 | 1n55 | 3s30 | 4s22 | 18n39 | 0s34 | 22n35 | 0n28 | 20s46 | 0s24 | 19s10 | 1n54 | 22n28 | 0n20 | 19s55 | 1n36 | 13n25 | 13n48 | 13s26 | 13s46 | 2s13 | 7n41 | 2n25 |
| F 2 | 7 36 | 1n33 | 2 53 | 3 30 | 4 28 | 18 26 | 0 31 | 22 31 | 0 29 | 20 47 | 0 24 | 19 11 | 1 54 | 22 28 | 0 20 | 19 55 | 1 36 | 13 24 | 13 48 | 13 27 | 13 47 | 2 9 | 7 40 | 2 25 |
| S 3 | 7 14 | 7 0 | 3 44 | 3 27 | 4 33 | 18 12 | 0 27 | 22 26 | 0 30 | 20 48 | 0 24 | 19 11 | 1 54 | 22 27 | 0 20 | 19 55 | 1 36 | 13 23 | 13 48 | 13 28 | 13 48 | 2 6 | 7 39 | 2 25 |
| S 4 | 6 52 | 12 14 | 4 25 | 3 21 | 4 37 | 17 58 | 0 24 | 22 21 | 0 31 | 20 49 | 0 24 | 19 12 | 1 53 | 22 27 | 0 20 | 19 55 | 1 36 | 13 22 | 13 48 | 13 29 | 13 49 | 2 3 | 7 38 | 2 25 |
| M 5 | 6 30 | 17 3 | 4 54 | 3 11 | 4 40 | 17 43 | 0 21 | 22 16 | 0 32 | 20 49 | 0 24 | 19 13 | 1 53 | 22 27 | 0 20 | 19 55 | 1 36 | 13 21 | 13 47 | 13 30 | 13 50 | 1 59 | 7 37 | 2 25 |
| T 6 | 6 8 | 21 15 | 5 11 | 2 58 | 4 41 | 17 28 | 0 17 | 22 11 | 0 33 | 20 50 | 0 24 | 19 13 | 1 53 | 22 27 | 0 20 | 19 56 | 1 36 | 13 20 | 13 47 | 13 31 | 13 51 | 1 56 | 7 36 | 2 25 |
| W 7 | 5 46 | 24 37 | 5 14 | 2 42 | 4 41 | 17 12 | 0 14 | 22 6 | 0 34 | 20 51 | 0 24 | 19 14 | 1 53 | 22 26 | 0 20 | 19 56 | 1 36 | 13 19 | 13 47 | 13 31 | 13 52 | 1 53 | 7 35 | 2 25 |
| T 8 | 5 23 | 26 51 | 5 2 | 2 22 | 4 39 | 16 55 | 0 11 | 22 0 | 0 35 | 20 51 | 0 24 | 19 15 | 1 52 | 22 26 | 0 20 | 19 56 | 1 36 | 13 19 | 13 47 | 13 31 | 13 53 | 1 49 | 7 35 | 2 25 |
| F 9 | 5 1 | 27 43 | 4 35 | 1 59 | 4 35 | 16 39 | 0 7 | 21 55 | 0 35 | 20 52 | 0 24 | 19 16 | 1 52 | 22 26 | 0 20 | 19 56 | 1 36 | 13 18 | 13 47 | 13 32 | 13 54 | 1 46 | 7 34 | 2 25 |
| S 10 | 4 38 | 27 1 | 3 51 | 1 33 | 4 29 | 16 21 | 0 4 | 21 49 | 0 36 | 20 53 | 0 24 | 19 16 | 1 52 | 22 25 | 0 20 | 19 56 | 1 36 | 13 17 | 13 47 | 13 31 | 13 55 | 1 43 | 7 33 | 2 25 |
| S 11 | 4 16 | 24 39 | 2 54 | 1 5 | 4 21 | 16 4 | 0 1 | 21 43 | 0 37 | 20 53 | 0 24 | 19 17 | 1 52 | 22 25 | 0 20 | 19 56 | 1 36 | 13 16 | 13 47 | 13 31 | 13 56 | 1 39 | 7 32 | 2 25 |
| M12 | 3 53 | 20 42 | 1 44 | 0 34 | 4 11 | 15 45 | 0n 2 | 21 37 | 0 38 | 20 54 | 0 24 | 19 18 | 1 51 | 22 25 | 0 21 | 19 57 | 1 36 | 13 15 | 13 47 | 13 30 | 13 57 | 1 36 | 7 31 | 2 25 |
| T 13 | 3 31 | 15 23 | 0 25 | 0 2 | 4 0 | 15 27 | 0 5 | 21 31 | 0 39 | 20 54 | 0 24 | 19 19 | 1 51 | 22 25 | 0 21 | 19 57 | 1 36 | 13 14 | 13 47 | 13 30 | 13 58 | 1 33 | 7 30 | 2 25 |
| W14 | 3 8 | 9 3 | 0s56 | 0n31 | 3 46 | 15 8 | 0 8 | 21 25 | 0 40 | 20 55 | 0 24 | 19 20 | 1 51 | 22 24 | 0 21 | 19 57 | 1 35 | 13 13 | 13 47 | 13 30 | 13 59 | 1 29 | 7 29 | 2 25 |
| T 15 | 2 45 | 2 7 | 2 15 | 1 5 | 3 32 | 14 48 | 0 12 | 21 18 | 0 41 | 20 55 | 0 25 | 19 20 | 1 51 | 22 24 | 0 21 | 19 57 | 1 35 | 13 13 | 13 47 | 13 31 | 14 0 | 1 26 | 7 28 | 2 25 |
| F 16 | 2 22 | 4s57 | 3 25 | 1 39 | 3 15 | 14 28 | 0 15 | 21 12 | 0 42 | 20 55 | 0 25 | 19 21 | 1 51 | 22 24 | 0 21 | 19 57 | 1 35 | 13 12 | 13 47 | 13 32 | 14 1 | 1 23 | 7 27 | 2 25 |
| S 17 | 1 59 | 11 40 | 4 19 | 2 11 | 2 58 | 14 8 | 0 18 | 21 5 | 0 43 | 20 56 | 0 25 | 19 22 | 1 50 | 22 24 | 0 21 | 19 57 | 1 35 | 13 11 | 13 47 | 13 33 | 14 3 | 1 19 | 7 26 | 2 25 |
| S 18 | 1 36 | 17 36 | 4 55 | 2 43 | 2 40 | 13 47 | 0 21 | 20 58 | 0 44 | 20 56 | 0 25 | 19 23 | 1 50 | 22 23 | 0 21 | 19 58 | 1 35 | 13 10 | 13 47 | 13 34 | 14 4 | 1 16 | 7 25 | 2 25 |
| M19 | 1 13 | 22 22 | 5 11 | 3 12 | 2 21 | 13 26 | 0 23 | 20 51 | 0 45 | 20 56 | 0 25 | 19 24 | 1 50 | 22 23 | 0 21 | 19 58 | 1 35 | 13 9 | 13 47 | 13 36 | 14 5 | 1 13 | 7 24 | 2 25 |
| T 20 | 0 50 | 25 41 | 5 8 | 3 39 | 2 2 | 13 4 | 0 26 | 20 44 | 0 45 | 20 56 | 0 25 | 19 25 | 1 50 | 22 23 | 0 21 | 19 58 | 1 35 | 13 9 | 13 47 | 13 37 | 14 6 | 1 10 | 7 23 | 2 25 |
| W21 | 0 27 | 27 24 | 4 47 | 4 4 | 1 42 | 12 43 | 0 29 | 20 37 | 0 46 | 20 56 | 0 25 | 19 26 | 1 50 | 22 23 | 0 21 | 19 58 | 1 35 | 13 8 | 13 48 | 13 38 | 14 7 | 1 6 | 7 22 | 2 24 |
| T 22 | 0 4 | 27 31 | 4 12 | 4 24 | 1 23 | 12 20 | 0 32 | 20 30 | 0 47 | 20 57 | 0 25 | 19 27 | 1 49 | 22 23 | 0 21 | 19 59 | 1 35 | 13 7 | 13 48 | 13 38 | 14 8 | 1 3 | 7 21 | 2 24 |
| F 23 | 0s19 | 26 10 | 3 26 | 4 42 | 1 4 | 11 58 | 0 35 | 20 22 | 0 48 | 20 57 | 0 25 | 19 28 | 1 49 | 22 22 | 0 21 | 19 59 | 1 35 | 13 6 | 13 48 | 13 38 | 14 9 | 1 0 | 7 19 | 2 24 |
| S 24 | 0 42 | 23 33 | 2 31 | 4 55 | 0 45 | 11 35 | 0 37 | 20 15 | 0 49 | 20 57 | 0 25 | 19 28 | 1 49 | 22 22 | 0 21 | 19 59 | 1 35 | 13 6 | 13 48 | 13 37 | 14 10 | 0 56 | 7 18 | 2 24 |
| S 25 | 1 5 | 19 55 | 1 30 | 5 4 | 0 27 | 11 12 | 0 40 | 20 7 | 0 50 | 20 57 | 0 25 | 19 29 | 1 49 | 22 22 | 0 21 | 19 59 | 1 35 | 13 5 | 13 48 | 13 37 | 14 11 | 0 53 | 7 17 | 2 24 |
| M26 | 1 28 | 15 32 | 0 26 | 5 9 | 0 10 | 10 48 | 0 43 | 19 59 | 0 51 | 20 57 | 0 25 | 19 30 | 1 48 | 22 22 | 0 21 | 19 59 | 1 35 | 13 4 | 13 48 | 13 37 | 14 12 | 0 50 | 7 16 | 2 24 |
| T 27 | 1 51 | 10 36 | 0n39 | 5 10 | 0n 6 | 10 24 | 0 45 | 19 51 | 0 52 | 20 56 | 0 25 | 19 31 | 1 48 | 22 22 | 0 21 | 20 0 | 1 35 | 13 3 | 13 48 | 13 37 | 14 13 | 0 46 | 7 15 | 2 24 |
| W28 | 2 14 | 5 18 | 1 41 | 5 6 | 0 21 | 10 0 | 0 48 | 19 43 | 0 53 | 20 56 | 0 25 | 19 32 | 1 48 | 22 22 | 0 21 | 20 0 | 1 35 | 13 3 | 13 48 | 13 37 | 14 14 | 0 43 | 7 14 | 2 24 |
| T 29 | 2 37 | 0n 9 | 2 39 | 4 58 | 0 35 | 9 35 | 0 50 | 19 35 | 0 54 | 20 56 | 0 25 | 19 33 | 1 48 | 22 21 | 0 21 | 20 0 | 1 35 | 13 2 | 13 48 | 13 38 | 14 15 | 0 40 | 7 13 | 2 24 |
| F 30 | 3s 0 | 5n37 | 3n30 | 4n47 | 0n48 | 9n10 | 0n53 | 19n27 | 0n55 | 20s56 | 0s25 | 19s34 | 1n48 | 22n21 | 0n21 | 20s 0 | 1n35 | 13n 1 | 13n48 | 13s40 | 14s16 | 0s36 | 7n12 | 2n24 |

Julian Day Number = 2801325.5, Delta T = 50m23s
Ecliptic obliquity = 23°19'02, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°08'43, Lahiri = 37°15'44


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# ASTRODIENST EPHEMERIS for the year 2957
# geocentric

## OCTOBER 2957 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 41 17 | 8♎34'17 | 18♈ 2 | 20♍53 | 9♍40 | 7♌ 4 | 27♑41 | 6♐54 | 18♋49 | 8♐14 | 29♍ 7 | 23°R12 | 21♒27 | 22♓25 | 12°R38 | S 1 |
| S 2 | 0 45 13 | 9°32'45 | 0♉ 3 | 22° 7 | 10°53 | 7°41 | 27°43 | 6°59 | 18°50 | 8°16 | 29°10 | 23♒ 4 | 21°24 | 22°32 | 12♈35 | S 2 |
| M 3 | 0 49 10 | 10°31'15 | 12°13 | 23°27 | 12° 5 | 8°17 | 27°45 | 7° 4 | 18°51 | 8°17 | 29°12 | 22°55 | 21°21 | 22°39 | 12°32 | M 3 |
| T 4 | 0 53 6 | 11°29'47 | 24°32 | 24°52 | 13°18 | 8°54 | 27°47 | 7° 9 | 18°52 | 8°18 | 29°14 | 22°47 | 21°18 | 22°45 | 12°30 | T 4 |
| W 5 | 0 57 3 | 12°28'22 | 7♊ 2 | 26°22 | 14°32 | 9°30 | 27°49 | 7°14 | 18°53 | 8°20 | 29°16 | 22°40 | 21°15 | 22°52 | 12°27 | W 5 |
| T 6 | 1 0 59 | 13°26'58 | 19°45 | 27°56 | 15°45 | 10° 6 | 27°51 | 7°19 | 18°54 | 8°21 | 29°18 | 22°35 | 21°11 | 22°59 | 12°24 | T 6 |
| F 7 | 1 4 56 | 14°25'37 | 2♋43 | 29°33 | 16°58 | 10°42 | 27°54 | 7°24 | 18°55 | 8°23 | 29°20 | 22°32 | 21° 8 | 23° 5 | 12°22 | F 7 |
| S 8 | 1 8 52 | 15°24'18 | 16° 1 | 1♎13 | 18°11 | 11°18 | 27°56 | 7°30 | 18°56 | 8°24 | 29°22 | 22°D32 | 21° 5 | 23°12 | 12°19 | S 8 |
| S 9 | 1 12 49 | 16°23'00 | 29°39 | 2°55 | 19°24 | 11°54 | 27°59 | 7°35 | 18°57 | 8°26 | 29°24 | 22°32 | 21° 2 | 23°19 | 12°16 | S 9 |
| M10 | 1 16 46 | 17°21'46 | 13♌39 | 4°40 | 20°38 | 12°30 | 28° 2 | 7°40 | 18°58 | 8°27 | 29°26 | 22°33 | 20°59 | 23°25 | 12°13 | M10 |
| T 11 | 1 20 42 | 18°20'33 | 28° 2 | 6°25 | 21°51 | 13° 6 | 28° 5 | 7°46 | 18°59 | 8°29 | 29°28 | 22°R33 | 20°55 | 23°32 | 12°11 | T 11 |
| W12 | 1 24 39 | 19°19'22 | 12♍46 | 8°12 | 23° 5 | 13°41 | 28° 9 | 7°51 | 18°59 | 8°30 | 29°30 | 22°32 | 20°52 | 23°39 | 12° 8 | W12 |
| T 13 | 1 28 35 | 20°18'14 | 27°45 | 10° 0 | 24°18 | 14°16 | 28°13 | 7°57 | 19° 0 | 8°32 | 29°32 | 22°28 | 20°49 | 23°45 | 12° 5 | T 13 |
| F 14 | 1 32 32 | 21°17'07 | 12♎52 | 11°48 | 25°32 | 14°52 | 28°16 | 8° 2 | 19° 0 | 8°34 | 29°34 | 22°21 | 20°46 | 23°52 | 12° 2 | F 14 |
| S 15 | 1 36 28 | 22°16'03 | 27°57 | 13°37 | 26°45 | 15°27 | 28°20 | 8° 8 | 19° 1 | 8°35 | 29°36 | 22°13 | 20°43 | 23°59 | 12° 0 | S 15 |
| S 16 | 1 40 25 | 23°15'01 | 12♏51 | 15°25 | 27°59 | 16° 2 | 28°24 | 8°14 | 19° 1 | 8°37 | 29°38 | 22° 3 | 20°40 | 24° 5 | 11°57 | S 16 |
| M17 | 1 44 21 | 24°14'00 | 27°25 | 17°14 | 29°13 | 16°37 | 28°29 | 8°20 | 19° 2 | 8°39 | 29°40 | 21°54 | 20°36 | 24°12 | 11°54 | M17 |
| T 18 | 1 48 18 | 25°13'02 | 11♐32 | 19° 2 | 0♎27 | 17°12 | 28°33 | 8°25 | 19° 2 | 8°41 | 29°42 | 21°46 | 20°33 | 24°19 | 11°52 | T 18 |
| W19 | 1 52 15 | 26°12'05 | 25°10 | 20°50 | 1°40 | 17°46 | 28°38 | 8°31 | 19° 3 | 8°42 | 29°44 | 21°39 | 20°30 | 24°25 | 11°49 | W19 |
| T 20 | 1 56 11 | 27°11'10 | 8♑20 | 22°37 | 2°54 | 18°21 | 28°43 | 8°37 | 19° 3 | 8°44 | 29°46 | 21°36 | 20°27 | 24°32 | 11°47 | T 20 |
| F 21 | 2 0 8 | 28°10'16 | 21° 3 | 24°24 | 4° 8 | 18°55 | 28°48 | 8°43 | 19° 3 | 8°46 | 29°48 | 21°34 | 20°24 | 24°39 | 11°44 | F 21 |
| S 22 | 2 4 4 | 29° 9'25 | 3♒26 | 26°10 | 5°22 | 19°29 | 28°53 | 8°49 | 19° 3 | 8°48 | 29°50 | 21°D34 | 20°21 | 24°45 | 11°41 | S 22 |
| S 23 | 2 8 1 | 0♏ 8'35 | 15°31 | 27°56 | 6°36 | 20° 3 | 28°58 | 8°55 | 19° 3 | 8°49 | 29°52 | 21°R34 | 20°17 | 24°52 | 11°39 | S 23 |
| M24 | 2 11 57 | 1° 7'46 | 27°26 | 29°41 | 7°50 | 20°37 | 29° 4 | 9° 1 | 19°R 3 | 8°51 | 29°54 | 21°34 | 20°14 | 24°59 | 11°36 | M24 |
| T 25 | 2 15 54 | 2° 6'59 | 9♓15 | 1♏25 | 9° 4 | 21°11 | 29°10 | 9° 8 | 19° 3 | 8°53 | 29°56 | 21°33 | 20°11 | 25° 5 | 11°34 | T 25 |
| W26 | 2 19 50 | 3° 6'15 | 21° 3 | 3° 8 | 10°18 | 21°45 | 29°15 | 9°14 | 19° 3 | 8°55 | 29°58 | 21°29 | 20° 8 | 25°12 | 11°31 | W26 |
| T 27 | 2 23 47 | 4° 5'31 | 2♈53 | 4°51 | 11°33 | 22°18 | 29°21 | 9°20 | 19° 3 | 8°57 | 29°59 | 21°22 | 20° 5 | 25°19 | 11°29 | T 27 |
| F 28 | 2 27 44 | 5° 4'50 | 14°49 | 6°33 | 12°47 | 22°52 | 29°28 | 9°26 | 19° 3 | 8°59 | 0♎ 1 | 21°13 | 20° 1 | 25°25 | 11°26 | F 28 |
| S 29 | 2 31 40 | 6° 4'11 | 26°53 | 8°14 | 14° 1 | 23°25 | 29°34 | 9°33 | 19° 3 | 9° 1 | 0° 3 | 21° 1 | 19°58 | 25°32 | 11°24 | S 29 |
| S 30 | 2 35 37 | 7° 3'33 | 9♉ 7 | 9°55 | 15°15 | 23°58 | 29°40 | 9°39 | 19° 3 | 9° 3 | 0° 5 | 20°48 | 19°55 | 25°39 | 11°21 | S 30 |
| M31 | 2 39 33 | 8♏ 2'58 | 21♉30 | 11♏35 | 16♎30 | 24♌31 | 29♑47 | 9♐46 | 19♋ 2 | 9♐ 5 | 0♎ 7 | 20♒35 | 19♒52 | 25♓45 | 11♈19 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3s23 | 10n55 | 4n12 | 4n31 | 1n 0 | 8n45 | 0n55 | 19n19 | 0n56 | 20s56 | 0s25 | 19s35 | 1n47 | 22n21 | 0n21 | 20s 1 | 1n35 | 13n 0 | 13n48 | 13s43 | 14s17 | 0s33 | 7n11 | 2n24 |
| S 2 | 3 46 | 15 51 | 4 43 | 4 11 | 1 10 | 8 20 | 0 57 | 19 10 | 0 57 | 20 55 | 0 25 | 19 36 | 1 47 | 22 21 | 0 21 | 20 1 | 1 35 | 13 0 | 13 49 | 13 46 | 14 18 | 0 30 | 7 9 | 2 24 |
| M 3 | 4 9 | 20 13 | 5 2 | 3 48 | 1 19 | 7 54 | 0 59 | 19 2 | 0 58 | 20 55 | 0 25 | 19 37 | 1 47 | 22 21 | 0 21 | 20 1 | 1 35 | 12 59 | 13 49 | 13 49 | 14 19 | 0 26 | 7 8 | 2 24 |
| T 4 | 4 31 | 23 46 | 5 7 | 3 22 | 1 27 | 7 29 | 1 2 | 18 53 | 0 59 | 20 55 | 0 25 | 19 38 | 1 47 | 22 21 | 0 21 | 20 1 | 1 34 | 12 58 | 13 49 | 13 51 | 14 20 | 0 23 | 7 7 | 2 24 |
| W 5 | 4 54 | 26 16 | 4 58 | 2 53 | 1 34 | 7 2 | 1 4 | 18 45 | 1 0 | 20 54 | 0 25 | 19 39 | 1 47 | 22 21 | 0 21 | 20 2 | 1 34 | 12 58 | 13 49 | 13 53 | 14 21 | 0 20 | 7 6 | 2 24 |
| T 6 | 5 17 | 27 28 | 4 34 | 2 21 | 1 40 | 6 36 | 1 6 | 18 36 | 1 1 | 20 54 | 0 25 | 19 40 | 1 47 | 22 20 | 0 21 | 20 2 | 1 34 | 12 57 | 13 49 | 13 55 | 14 22 | 0 17 | 7 5 | 2 24 |
| F 7 | 5 40 | 27 12 | 3 55 | 1 47 | 1 44 | 6 10 | 1 8 | 18 27 | 1 2 | 20 54 | 0 25 | 19 41 | 1 46 | 22 20 | 0 21 | 20 2 | 1 34 | 12 56 | 13 49 | 13 56 | 14 23 | 0 13 | 7 4 | 2 23 |
| S 8 | 6 2 | 25 24 | 3 3 | 1 10 | 1 48 | 5 43 | 1 9 | 18 18 | 1 3 | 20 53 | 0 25 | 19 42 | 1 46 | 22 20 | 0 21 | 20 3 | 1 34 | 12 56 | 13 50 | 13 56 | 14 24 | 0 10 | 7 3 | 2 23 |
| S 9 | 6 25 | 22 5 | 2 0 | 0 32 | 1 50 | 5 16 | 1 11 | 18 9 | 1 4 | 20 52 | 0 25 | 19 43 | 1 46 | 22 20 | 0 21 | 20 3 | 1 34 | 12 55 | 13 50 | 13 56 | 14 25 | 0 7 | 7 2 | 2 23 |
| M10 | 6 47 | 17 24 | 0 48 | 0s 8 | 1 52 | 4 49 | 1 13 | 18 0 | 1 5 | 20 52 | 0 25 | 19 44 | 1 46 | 22 20 | 0 21 | 20 3 | 1 34 | 12 54 | 13 50 | 13 56 | 14 26 | 0 3 | 7 0 | 2 23 |
| T 11 | 7 9 | 11 38 | 0s29 | 0 49 | 1 53 | 4 22 | 1 15 | 17 51 | 1 6 | 20 51 | 0 26 | 19 45 | 1 46 | 22 20 | 0 21 | 20 3 | 1 34 | 12 54 | 13 50 | 13 56 | 14 27 | 0 0 | 6 59 | 2 23 |
| W12 | 7 32 | 5 6 | 1 46 | 1 31 | 1 52 | 3 54 | 1 16 | 17 42 | 1 7 | 20 51 | 0 26 | 19 46 | 1 45 | 22 20 | 0 21 | 20 4 | 1 34 | 12 53 | 13 50 | 13 56 | 14 28 | 0n 3 | 6 58 | 2 23 |
| T 13 | 7 54 | 1s49 | 2 57 | 2 14 | 1 51 | 3 27 | 1 18 | 17 33 | 1 8 | 20 50 | 0 26 | 19 47 | 1 45 | 22 20 | 0 21 | 20 4 | 1 34 | 12 52 | 13 50 | 13 57 | 14 29 | 0 7 | 6 57 | 2 23 |
| F 14 | 8 16 | 8 40 | 3 55 | 2 57 | 1 50 | 2 59 | 1 19 | 17 24 | 1 9 | 20 49 | 0 26 | 19 48 | 1 45 | 22 20 | 0 21 | 20 4 | 1 34 | 12 52 | 13 51 | 13 59 | 14 30 | 0 10 | 6 56 | 2 23 |
| S 15 | 8 38 | 15 1 | 4 38 | 3 41 | 1 48 | 2 31 | 1 21 | 17 14 | 1 10 | 20 48 | 0 26 | 19 49 | 1 45 | 22 20 | 0 21 | 20 5 | 1 34 | 12 51 | 13 51 | 14 2 | 14 31 | 0 13 | 6 55 | 2 23 |
| S 16 | 8 59 | 20 23 | 5 0 | 4 26 | 1 45 | 2 3 | 1 22 | 17 5 | 1 11 | 20 48 | 0 26 | 19 51 | 1 45 | 22 20 | 0 21 | 20 5 | 1 34 | 12 51 | 13 51 | 14 5 | 14 32 | 0 16 | 6 54 | 2 23 |
| M17 | 9 21 | 24 23 | 5 3 | 5 10 | 1 42 | 1 35 | 1 23 | 16 55 | 1 12 | 20 47 | 0 26 | 19 52 | 1 45 | 22 20 | 0 21 | 20 5 | 1 34 | 12 50 | 13 51 | 14 8 | 14 33 | 0 20 | 6 52 | 2 23 |
| T 18 | 9 43 | 26 47 | 4 46 | 5 54 | 1 38 | 1 7 | 1 25 | 16 46 | 1 13 | 20 46 | 0 26 | 19 53 | 1 44 | 22 20 | 0 21 | 20 5 | 1 34 | 12 49 | 13 52 | 14 11 | 14 34 | 0 23 | 6 51 | 2 22 |
| W19 | 10 4 | 27 28 | 4 14 | 6 39 | 1 34 | 0 39 | 1 26 | 16 36 | 1 14 | 20 45 | 0 26 | 19 54 | 1 44 | 22 20 | 0 22 | 20 6 | 1 34 | 12 49 | 13 52 | 14 13 | 14 35 | 0 26 | 6 50 | 2 22 |
| T 20 | 10 25 | 26 32 | 3 29 | 7 23 | 1 29 | 0 11 | 1 27 | 16 27 | 1 15 | 20 44 | 0 26 | 19 55 | 1 44 | 22 20 | 0 22 | 20 6 | 1 34 | 12 48 | 13 52 | 14 14 | 14 36 | 0 30 | 6 49 | 2 22 |
| F 21 | 10 46 | 24 14 | 2 35 | 8 6 | 1 24 | 0s18 | 1 28 | 16 17 | 1 16 | 20 43 | 0 26 | 19 56 | 1 44 | 22 20 | 0 22 | 20 6 | 1 34 | 12 48 | 13 52 | 14 15 | 14 37 | 0 33 | 6 48 | 2 22 |
| S 22 | 11 7 | 20 50 | 1 35 | 8 50 | 1 19 | 0 46 | 1 29 | 16 7 | 1 17 | 20 42 | 0 26 | 19 57 | 1 44 | 22 20 | 0 22 | 20 7 | 1 34 | 12 47 | 13 53 | 14 15 | 14 38 | 0 36 | 6 47 | 2 22 |
| S 23 | 11 28 | 16 37 | 0 32 | 9 33 | 1 13 | 1 14 | 1 30 | 15 58 | 1 18 | 20 41 | 0 26 | 19 58 | 1 44 | 22 20 | 0 22 | 20 7 | 1 34 | 12 47 | 13 53 | 14 15 | 14 39 | 0 40 | 6 46 | 2 22 |
| M24 | 11 48 | 11 49 | 0n31 | 10 15 | 1 7 | 1 43 | 1 30 | 15 48 | 1 19 | 20 40 | 0 26 | 19 59 | 1 44 | 22 20 | 0 22 | 20 7 | 1 34 | 12 46 | 13 53 | 14 15 | 14 40 | 0 43 | 6 45 | 2 22 |
| T 25 | 12 9 | 6 38 | 1 33 | 10 57 | 1 1 | 2 11 | 1 31 | 15 38 | 1 21 | 20 39 | 0 26 | 20 0 | 1 43 | 22 20 | 0 22 | 20 8 | 1 34 | 12 46 | 13 53 | 14 15 | 14 41 | 0 46 | 6 43 | 2 22 |
| W26 | 12 29 | 1 14 | 2 30 | 11 38 | 0 55 | 2 39 | 1 32 | 15 28 | 1 22 | 20 37 | 0 26 | 20 1 | 1 43 | 22 20 | 0 22 | 20 8 | 1 34 | 12 45 | 13 54 | 14 16 | 14 42 | 0 49 | 6 42 | 2 22 |
| T 27 | 12 49 | 4n13 | 3 21 | 12 18 | 0 49 | 3 8 | 1 32 | 15 19 | 1 23 | 20 36 | 0 26 | 20 2 | 1 43 | 22 20 | 0 22 | 20 8 | 1 34 | 12 45 | 13 54 | 14 18 | 14 43 | 0 53 | 6 41 | 2 21 |
| F 28 | 13 9 | 9 33 | 4 3 | 12 58 | 0 43 | 3 36 | 1 33 | 15 9 | 1 24 | 20 35 | 0 26 | 20 3 | 1 43 | 22 20 | 0 22 | 20 9 | 1 34 | 12 45 | 13 54 | 14 21 | 14 44 | 0 56 | 6 40 | 2 21 |
| S 29 | 13 29 | 14 35 | 4 35 | 13 37 | 0 36 | 4 4 | 1 33 | 14 59 | 1 25 | 20 34 | 0 26 | 20 4 | 1 43 | 22 20 | 0 22 | 20 9 | 1 33 | 12 44 | 13 55 | 14 25 | 14 45 | 0 59 | 6 39 | 2 21 |
| S 30 | 13 48 | 19 6 | 4 54 | 14 15 | 0 29 | 4 32 | 1 33 | 14 49 | 1 26 | 20 32 | 0 26 | 20 5 | 1 43 | 22 20 | 0 22 | 20 9 | 1 33 | 12 44 | 13 55 | 14 29 | 14 46 | 1 3 | 6 38 | 2 21 |
| M31 | 14s 7 | 22n53 | 5n 0 | 14s52 | 0n23 | 5s 1 | 1n34 | 14n39 | 1n27 | 20s31 | 0s26 | 20s 7 | 1n43 | 22n20 | 0n22 | 20s10 | 1n33 | 12n43 | 13n55 | 14s34 | 14s47 | 1n 6 | 6n37 | 2n21 |

Julian Day Number = 2801355.5, Delta T = 50m23s
Ecliptic obliquity = 23°19'02, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°08'48, Lahiri = 37°15'48


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# ASTRODIENST EPHEMERIS for the year 2957
# geocentric

## NOVEMBER 2957 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 43 30 | 9♏ 2'25 | 4♊ 4 | 13♏14 | 17♎44 | 25♌ 3 | 29♑54 | 9♐52 | 19°R 2 | 9♐ 7 | 0♎ 8 | 20°R22 | 19♒49 | 25♓52 | 11°R17 | T 1 |
| W 2 | 2 47 26 | 10° 1'54 | 16°49 | 14°53 | 18°59 | 25°36 | 0♒ 1 | 9°59 | 19♋ 1 | 9° 9 | 0°10 | 20♒11 | 19°46 | 25°59 | 11♈14 | W 2 |
| T 3 | 2 51 23 | 11° 1'25 | 29°44 | 16°31 | 20°13 | 26° 9 | 0° 8 | 10° 5 | 19° 1 | 9°11 | 0°12 | 20° 3 | 19°42 | 26° 5 | 11°12 | T 3 |
| F 4 | 2 55 19 | 12° 0'58 | 12♋52 | 18° 8 | 21°27 | 26°41 | 0°15 | 10°12 | 19° 0 | 9°13 | 0°14 | 19°57 | 19°39 | 26°12 | 11°10 | F 4 |
| S 5 | 2 59 16 | 13° 0'34 | 26°12 | 19°45 | 22°42 | 27°13 | 0°23 | 10°18 | 19° 0 | 9°15 | 0°15 | 19°55 | 19°36 | 26°19 | 11° 8 | S 5 |
| S 6 | 3 3 13 | 14° 0'11 | 9♌48 | 21°21 | 23°57 | 27°45 | 0°30 | 10°25 | 18°59 | 9°17 | 0°17 | 19°54 | 19°33 | 26°25 | 11° 5 | S 6 |
| M 7 | 3 7 9 | 14°59'51 | 23°39 | 22°57 | 25°11 | 28°17 | 0°38 | 10°32 | 18°59 | 9°19 | 0°19 | 19°54 | 19°30 | 26°32 | 11° 3 | M 7 |
| T 8 | 3 11 6 | 15°59'33 | 7♍47 | 24°32 | 26°26 | 28°48 | 0°46 | 10°39 | 18°58 | 9°21 | 0°20 | 19°53 | 19°26 | 26°39 | 11° 1 | T 8 |
| W 9 | 3 15 2 | 16°59'18 | 22°11 | 26° 6 | 27°40 | 29°20 | 0°54 | 10°45 | 18°57 | 9°23 | 0°22 | 19°51 | 19°23 | 26°45 | 10°59 | W 9 |
| T 10 | 3 18 59 | 17°59'04 | 6♎49 | 27°40 | 28°55 | 29°51 | 1° 2 | 10°52 | 18°56 | 9°25 | 0°23 | 19°46 | 19°20 | 26°52 | 10°57 | T 10 |
| F 11 | 3 22 55 | 18°58'53 | 21°35 | 29°13 | 0♏10 | 0♍22 | 1°10 | 10°59 | 18°55 | 9°28 | 0°25 | 19°37 | 19°17 | 26°59 | 10°55 | F 11 |
| S 12 | 3 26 52 | 19°58'44 | 6♏23 | 0♐46 | 1°25 | 0°53 | 1°18 | 11° 6 | 18°54 | 9°30 | 0°26 | 19°27 | 19°14 | 27° 5 | 10°53 | S 12 |
| S 13 | 3 30 48 | 20°58'36 | 21° 3 | 2°19 | 2°39 | 1°23 | 1°27 | 11°13 | 18°53 | 9°32 | 0°28 | 19°15 | 19°11 | 27°12 | 10°51 | S 13 |
| M14 | 3 34 45 | 21°58'31 | 5♐29 | 3°51 | 3°54 | 1°54 | 1°35 | 11°19 | 18°52 | 9°34 | 0°29 | 19° 3 | 19° 7 | 27°19 | 10°49 | M14 |
| T 15 | 3 38 42 | 22°58'28 | 19°33 | 5°22 | 5° 9 | 2°24 | 1°44 | 11°26 | 18°51 | 9°36 | 0°31 | 18°52 | 19° 4 | 27°26 | 10°47 | T 15 |
| W16 | 3 42 38 | 23°58'26 | 3♑11 | 6°53 | 6°24 | 2°54 | 1°53 | 11°33 | 18°50 | 9°38 | 0°32 | 18°43 | 19° 1 | 27°32 | 10°45 | W16 |
| T 17 | 3 46 35 | 24°58'26 | 16°23 | 8°24 | 7°39 | 3°24 | 2° 2 | 11°40 | 18°49 | 9°41 | 0°34 | 18°37 | 18°58 | 27°39 | 10°44 | T 17 |
| F 18 | 3 50 31 | 25°58'27 | 29° 9 | 9°54 | 8°54 | 3°54 | 2°11 | 11°47 | 18°48 | 9°43 | 0°35 | 18°34 | 18°55 | 27°46 | 10°42 | F 18 |
| S 19 | 3 54 28 | 26°58'30 | 11♒34 | 11°23 | 10° 9 | 4°23 | 2°21 | 11°54 | 18°46 | 9°45 | 0°36 | 18°33 | 18°52 | 27°52 | 10°40 | S 19 |
| S 20 | 3 58 24 | 27°58'35 | 23°41 | 12°52 | 11°24 | 4°52 | 2°30 | 12° 1 | 18°45 | 9°47 | 0°38 | 18°33 | 18°48 | 27°59 | 10°39 | S 20 |
| M21 | 4 2 21 | 28°58'41 | 5♓37 | 14°21 | 12°39 | 5°21 | 2°40 | 12° 8 | 18°44 | 9°49 | 0°39 | 18°33 | 18°45 | 28° 6 | 10°37 | M21 |
| T 22 | 4 6 17 | 29°58'48 | 17°27 | 15°49 | 13°54 | 5°50 | 2°49 | 12°15 | 18°42 | 9°52 | 0°40 | 18°31 | 18°42 | 28°12 | 10°35 | T 22 |
| W23 | 4 10 14 | 0♐58'57 | 29°16 | 17°17 | 15° 9 | 6°19 | 2°59 | 12°23 | 18°41 | 9°54 | 0°42 | 18°28 | 18°39 | 28°19 | 10°34 | W23 |
| T 24 | 4 14 11 | 1°59'08 | 11♈ 9 | 18°44 | 16°24 | 6°47 | 3° 9 | 12°30 | 18°39 | 9°56 | 0°43 | 18°22 | 18°36 | 28°26 | 10°32 | T 24 |
| F 25 | 4 18 7 | 2°59'20 | 23°10 | 20°10 | 17°39 | 7°15 | 3°19 | 12°37 | 18°38 | 9°58 | 0°44 | 18°13 | 18°32 | 28°32 | 10°31 | F 25 |
| S 26 | 4 22 4 | 3°59'33 | 5♉21 | 21°36 | 18°54 | 7°43 | 3°29 | 12°44 | 18°36 | 10° 0 | 0°45 | 18° 2 | 18°29 | 28°39 | 10°30 | S 26 |
| S 27 | 4 26 0 | 4°59'49 | 17°47 | 23° 1 | 20° 9 | 8°10 | 3°39 | 12°51 | 18°35 | 10° 3 | 0°46 | 17°50 | 18°26 | 28°46 | 10°28 | S 27 |
| M28 | 4 29 57 | 6° 0'05 | 0♊25 | 24°26 | 21°24 | 8°38 | 3°50 | 12°58 | 18°33 | 10° 5 | 0°48 | 17°37 | 18°23 | 28°52 | 10°27 | M28 |
| T 29 | 4 33 53 | 7° 0'24 | 13°18 | 25°50 | 22°39 | 9° 5 | 4° 0 | 13° 5 | 18°31 | 10° 7 | 0°49 | 17°24 | 18°20 | 28°59 | 10°26 | T 29 |
| W30 | 4 37 50 | 8♐ 0'44 | 26♊24 | 27♐13 | 23♏54 | 9♍32 | 4♒11 | 13♐12 | 18♋30 | 10♐ 9 | 0♎50 | 17♒14 | 18♒17 | 29♓ 6 | 10♈25 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s26 | 25n38 | 4n52 | 15s29 | 0n16 | 5s29 | 1n34 | 14n29 | 1n28 | 20s30 | 0s26 | 20s 8 | 1n42 | 22n20 | 0n22 | 20s10 | 1n33 | 12n43 | 13n56 | 14s38 | 14s48 | 1n 9 | 6n36 | 2n21 |
| W 2 | 14 45 | 27 8 | 4 29 | 16 5 | 0 9 | 5 57 | 1 34 | 14 20 | 1 29 | 20 28 | 0 26 | 20 9 | 1 42 | 22 20 | 0 22 | 20 10 | 1 33 | 12 42 | 13 56 | 14 41 | 14 49 | 1 12 | 6 35 | 2 21 |
| T 3 | 15 3 | 27 11 | 3 52 | 16 39 | 0 2 | 6 25 | 1 34 | 14 10 | 1 31 | 20 27 | 0 26 | 20 10 | 1 42 | 22 20 | 0 22 | 20 11 | 1 33 | 12 42 | 13 56 | 14 44 | 14 50 | 1 16 | 6 34 | 2 20 |
| F 4 | 15 22 | 25 43 | 3 2 | 17 13 | 0s 5 | 6 52 | 1 34 | 14 0 | 1 32 | 20 25 | 0 26 | 20 11 | 1 42 | 22 20 | 0 22 | 20 11 | 1 33 | 12 42 | 13 57 | 14 45 | 14 51 | 1 19 | 6 33 | 2 20 |
| S 5 | 15 40 | 22 48 | 2 2 | 17 46 | 0 12 | 7 20 | 1 34 | 13 50 | 1 33 | 20 24 | 0 26 | 20 12 | 1 42 | 22 20 | 0 22 | 20 11 | 1 33 | 12 41 | 13 57 | 14 46 | 14 52 | 1 22 | 6 32 | 2 20 |
| S 6 | 15 58 | 18 34 | 0 53 | 18 18 | 0 19 | 7 47 | 1 34 | 13 40 | 1 34 | 20 22 | 0 26 | 20 13 | 1 42 | 22 21 | 0 22 | 20 12 | 1 33 | 12 41 | 13 57 | 14 46 | 14 53 | 1 26 | 6 31 | 2 20 |
| M 7 | 16 15 | 13 15 | 0s20 | 18 49 | 0 25 | 8 15 | 1 33 | 13 30 | 1 35 | 20 20 | 0 26 | 20 14 | 1 42 | 22 21 | 0 22 | 20 12 | 1 33 | 12 41 | 13 58 | 14 46 | 14 54 | 1 29 | 6 30 | 2 20 |
| T 8 | 16 32 | 7 10 | 1 33 | 19 19 | 0 32 | 8 42 | 1 33 | 13 20 | 1 36 | 20 19 | 0 26 | 20 15 | 1 42 | 22 21 | 0 22 | 20 12 | 1 33 | 12 40 | 13 58 | 14 46 | 14 55 | 1 32 | 6 29 | 2 20 |
| W 9 | 16 49 | 0 36 | 2 42 | 19 49 | 0 39 | 9 9 | 1 33 | 13 10 | 1 38 | 20 17 | 0 26 | 20 16 | 1 42 | 22 21 | 0 22 | 20 13 | 1 33 | 12 40 | 13 58 | 14 47 | 14 56 | 1 35 | 6 28 | 2 20 |
| T 10 | 17 6 | 6s 4 | 3 41 | 20 17 | 0 46 | 9 36 | 1 32 | 13 1 | 1 39 | 20 15 | 0 26 | 20 17 | 1 41 | 22 21 | 0 22 | 20 13 | 1 33 | 12 40 | 13 59 | 14 49 | 14 57 | 1 39 | 6 27 | 2 19 |
| F 11 | 17 23 | 12 29 | 4 25 | 20 44 | 0 52 | 10 2 | 1 32 | 12 51 | 1 40 | 20 14 | 0 26 | 20 18 | 1 41 | 22 21 | 0 22 | 20 13 | 1 33 | 12 40 | 13 59 | 14 51 | 14 58 | 1 42 | 6 26 | 2 19 |
| S 12 | 17 39 | 18 11 | 4 52 | 21 10 | 0 59 | 10 29 | 1 31 | 12 41 | 1 41 | 20 12 | 0 26 | 20 19 | 1 41 | 22 21 | 0 22 | 20 14 | 1 33 | 12 39 | 13 59 | 14 55 | 14 59 | 1 45 | 6 25 | 2 19 |
| S 13 | 17 55 | 22 45 | 5 0 | 21 35 | 1 5 | 10 55 | 1 30 | 12 31 | 1 42 | 20 10 | 0 26 | 20 20 | 1 41 | 22 22 | 0 22 | 20 14 | 1 33 | 12 39 | 14 0 | 14 58 | 15 0 | 1 49 | 6 24 | 2 19 |
| M14 | 18 10 | 25 50 | 4 48 | 21 59 | 1 11 | 11 21 | 1 30 | 12 21 | 1 44 | 20 8 | 0 26 | 20 21 | 1 41 | 22 22 | 0 22 | 20 14 | 1 33 | 12 39 | 14 0 | 15 2 | 15 1 | 1 52 | 6 23 | 2 19 |
| T 15 | 18 25 | 27 12 | 4 19 | 22 21 | 1 17 | 11 46 | 1 29 | 12 12 | 1 45 | 20 6 | 0 26 | 20 22 | 1 41 | 22 22 | 0 22 | 20 15 | 1 33 | 12 39 | 14 1 | 15 6 | 15 2 | 1 55 | 6 22 | 2 19 |
| W16 | 18 40 | 26 52 | 3 35 | 22 43 | 1 23 | 12 12 | 1 28 | 12 2 | 1 46 | 20 4 | 0 26 | 20 23 | 1 41 | 22 22 | 0 22 | 20 15 | 1 33 | 12 38 | 14 1 | 15 8 | 15 3 | 1 58 | 6 22 | 2 18 |
| T 17 | 18 55 | 24 59 | 2 41 | 23 4 | 1 29 | 12 37 | 1 27 | 11 53 | 1 47 | 20 2 | 0 26 | 20 24 | 1 41 | 22 22 | 0 22 | 20 15 | 1 33 | 12 38 | 14 1 | 15 10 | 15 4 | 2 2 | 6 21 | 2 18 |
| F 18 | 19 9 | 21 52 | 1 41 | 23 23 | 1 35 | 13 2 | 1 26 | 11 43 | 1 49 | 20 0 | 0 27 | 20 25 | 1 41 | 22 22 | 0 22 | 20 16 | 1 33 | 12 38 | 14 2 | 15 11 | 15 5 | 2 5 | 6 20 | 2 18 |
| S 19 | 19 23 | 17 49 | 0 37 | 23 41 | 1 40 | 13 26 | 1 25 | 11 33 | 1 50 | 19 58 | 0 27 | 20 26 | 1 41 | 22 23 | 0 22 | 20 16 | 1 33 | 12 38 | 14 2 | 15 11 | 15 6 | 2 8 | 6 19 | 2 18 |
| S 20 | 19 36 | 13 8 | 0n27 | 23 59 | 1 46 | 13 50 | 1 24 | 11 24 | 1 51 | 19 56 | 0 27 | 20 27 | 1 40 | 22 23 | 0 22 | 20 16 | 1 33 | 12 38 | 14 3 | 15 11 | 15 7 | 2 11 | 6 18 | 2 18 |
| M21 | 19 50 | 8 1 | 1 29 | 24 15 | 1 51 | 14 14 | 1 23 | 11 15 | 1 52 | 19 54 | 0 27 | 20 28 | 1 40 | 22 23 | 0 22 | 20 17 | 1 33 | 12 38 | 14 3 | 15 12 | 15 8 | 2 15 | 6 18 | 2 18 |
| T 22 | 20 3 | 2 41 | 2 27 | 24 29 | 1 56 | 14 38 | 1 22 | 11 5 | 1 54 | 19 52 | 0 27 | 20 29 | 1 40 | 22 23 | 0 22 | 20 17 | 1 33 | 12 38 | 14 4 | 15 12 | 15 9 | 2 18 | 6 17 | 2 17 |
| W23 | 20 15 | 2n44 | 3 18 | 24 43 | 2 1 | 15 1 | 1 20 | 10 56 | 1 55 | 19 49 | 0 27 | 20 30 | 1 40 | 22 24 | 0 22 | 20 17 | 1 33 | 12 37 | 14 4 | 15 13 | 15 10 | 2 21 | 6 16 | 2 17 |
| T 24 | 20 27 | 8 5 | 4 1 | 24 55 | 2 5 | 15 24 | 1 19 | 10 47 | 1 56 | 19 47 | 0 27 | 20 31 | 1 40 | 22 24 | 0 22 | 20 18 | 1 33 | 12 37 | 14 4 | 15 15 | 15 11 | 2 25 | 6 15 | 2 17 |
| F 25 | 20 39 | 13 11 | 4 33 | 25 6 | 2 9 | 15 46 | 1 18 | 10 38 | 1 58 | 19 45 | 0 27 | 20 32 | 1 40 | 22 24 | 0 22 | 20 18 | 1 33 | 12 37 | 14 5 | 15 17 | 15 12 | 2 28 | 6 15 | 2 17 |
| S 26 | 20 50 | 17 51 | 4 54 | 25 16 | 2 13 | 16 8 | 1 16 | 10 28 | 1 59 | 19 43 | 0 27 | 20 33 | 1 40 | 22 24 | 0 23 | 20 18 | 1 33 | 12 37 | 14 5 | 15 21 | 15 13 | 2 31 | 6 14 | 2 17 |
| S 27 | 21 1 | 21 51 | 5 1 | 25 25 | 2 17 | 16 29 | 1 15 | 10 19 | 2 0 | 19 40 | 0 27 | 20 34 | 1 40 | 22 25 | 0 23 | 20 19 | 1 33 | 12 37 | 14 6 | 15 25 | 15 14 | 2 34 | 6 13 | 2 16 |
| M28 | 21 12 | 24 55 | 4 54 | 25 32 | 2 20 | 16 51 | 1 13 | 10 10 | 2 2 | 19 38 | 0 27 | 20 35 | 1 40 | 22 25 | 0 23 | 20 19 | 1 33 | 12 37 | 14 6 | 15 29 | 15 14 | 2 38 | 6 13 | 2 16 |
| T 29 | 21 22 | 26 46 | 4 31 | 25 38 | 2 23 | 17 11 | 1 12 | 10 2 | 2 3 | 19 35 | 0 27 | 20 36 | 1 40 | 22 25 | 0 23 | 20 19 | 1 33 | 12 37 | 14 7 | 15 32 | 15 15 | 2 41 | 6 12 | 2 16 |
| W30 | 21s32 | 27n11 | 3n55 | 25s43 | 2s26 | 17s31 | 1n10 | 9n53 | 2n 4 | 19s33 | 0s27 | 20s37 | 1n40 | 22n25 | 0n23 | 20s20 | 1n33 | 12n37 | 14n 7 | 15s36 | 15s16 | 2n44 | 6n11 | 2n16 |

Julian Day Number = 2801386.5, Delta T = 50m24s
Ecliptic obliquity = 23°19'02, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°08'52, Lahiri = 37°15'52


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# ASTRODIENST EPHEMERIS for the year 2957
# geocentric

## DECEMBER 2957 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 41 46 | 9♐ 1'06 | 9♋41 | 28♐35 | 25♏ 9 | 9♍58 | 4♒21 | 13♐20 | 18°R28 | 10♐12 | 0♎51 | 17°R 6 | 18♒13 | 29♓12 | 10°R24 | T 1 |
| F 2 | 4 45 43 | 10° 1'30 | 23° 8 | 29°55 | 26°25 | 10°24 | 4°32 | 13°27 | 18♋26 | 10°14 | 0°52 | 17♒ 1 | 18°10 | 29°19 | 10♈23 | F 2 |
| S 3 | 4 49 40 | 11° 1'55 | 6♌44 | 1♑15 | 27°40 | 10°50 | 4°43 | 13°34 | 18°24 | 10°16 | 0°53 | 16°58 | 18° 7 | 29°26 | 10°22 | S 3 |
| S 4 | 4 53 36 | 12° 2'22 | 20°29 | 2°34 | 28°55 | 11°16 | 4°54 | 13°41 | 18°22 | 10°18 | 0°54 | 16°D58 | 18° 4 | 29°32 | 10°21 | S 4 |
| M 5 | 4 57 33 | 13° 2'51 | 4♍23 | 3°51 | 0♐10 | 11°41 | 5° 5 | 13°48 | 18°20 | 10°21 | 0°55 | 16°58 | 18° 1 | 29°39 | 10°20 | M 5 |
| T 6 | 5 1 29 | 14° 3'21 | 18°26 | 5° 6 | 1°25 | 12° 7 | 5°16 | 13°55 | 18°18 | 10°23 | 0°55 | 16°R59 | 17°58 | 29°46 | 10°19 | T 6 |
| W 7 | 5 5 26 | 15° 3'54 | 2♎36 | 6°19 | 2°41 | 12°31 | 5°27 | 14° 3 | 18°16 | 10°25 | 0°56 | 16°57 | 17°54 | 29°52 | 10°18 | W 7 |
| T 8 | 5 9 22 | 16° 4'28 | 16°53 | 7°30 | 3°56 | 12°56 | 5°39 | 14°10 | 18°14 | 10°27 | 0°57 | 16°54 | 17°51 | 29°59 | 10°17 | T 8 |
| F 9 | 5 13 19 | 17° 5'04 | 1♏14 | 8°39 | 5°11 | 13°20 | 5°50 | 14°17 | 18°12 | 10°30 | 0°58 | 16°47 | 17°48 | 0♈ 6 | 10°17 | F 9 |
| S 10 | 5 17 15 | 18° 5'41 | 15°34 | 9°45 | 6°27 | 13°44 | 6° 2 | 14°24 | 18°10 | 10°32 | 0°59 | 16°39 | 17°45 | 0°12 | 10°16 | S 10 |
| S 11 | 5 21 12 | 19° 6'20 | 29°48 | 10°47 | 7°42 | 14° 8 | 6°13 | 14°31 | 18° 8 | 10°34 | 0°59 | 16°29 | 17°42 | 0°19 | 10°15 | S 11 |
| M12 | 5 25 9 | 20° 7'01 | 13♐51 | 11°46 | 8°57 | 14°31 | 6°25 | 14°39 | 18° 6 | 10°36 | 1° 0 | 16°20 | 17°38 | 0°26 | 10°15 | M12 |
| T 13 | 5 29 5 | 21° 7'43 | 27°38 | 12°41 | 10°13 | 14°54 | 6°37 | 14°46 | 18° 4 | 10°39 | 1° 1 | 16°11 | 17°35 | 0°33 | 10°14 | T 13 |
| W14 | 5 33 2 | 22° 8'26 | 11♑ 6 | 13°31 | 11°28 | 15°16 | 6°49 | 14°53 | 18° 1 | 10°41 | 1° 2 | 16° 4 | 17°32 | 0°39 | 10°14 | W14 |
| T 15 | 5 36 58 | 23° 9'10 | 24°11 | 14°15 | 12°43 | 15°38 | 7° 1 | 15° 0 | 17°59 | 10°43 | 1° 2 | 15°59 | 17°29 | 0°46 | 10°14 | T 15 |
| F 16 | 5 40 55 | 24° 9'56 | 6♒55 | 14°53 | 13°59 | 16° 0 | 7°13 | 15° 7 | 17°57 | 10°45 | 1° 3 | 15°56 | 17°26 | 0°53 | 10°13 | F 16 |
| S 17 | 5 44 51 | 25°10'42 | 19°20 | 15°25 | 15°14 | 16°21 | 7°25 | 15°14 | 17°55 | 10°47 | 1° 3 | 15°D56 | 17°23 | 0°59 | 10°13 | S 17 |
| S 18 | 5 48 48 | 26°11'29 | 1♓29 | 15°48 | 16°30 | 16°42 | 7°37 | 15°21 | 17°52 | 10°50 | 1° 4 | 15°57 | 17°19 | 1° 6 | 10°13 | S 18 |
| M19 | 5 52 45 | 27°12'17 | 13°27 | 16° 3 | 17°45 | 17° 3 | 7°49 | 15°28 | 17°50 | 10°52 | 1° 4 | 15°58 | 17°16 | 1°13 | 10°13 | M19 |
| T 20 | 5 56 41 | 28°13'06 | 25°18 | 16°R 9 | 19° 0 | 17°23 | 8° 1 | 15°36 | 17°47 | 10°54 | 1° 5 | 15°R59 | 17°13 | 1°19 | 10°12 | T 20 |
| W21 | 6 0 38 | 29°13'56 | 7♈ 8 | 16° 5 | 20°16 | 17°43 | 8°14 | 15°43 | 17°45 | 10°56 | 1° 5 | 15°59 | 17°10 | 1°26 | 10°D12 | W21 |
| T 22 | 6 4 34 | 0♑14'47 | 19° 2 | 15°49 | 21°31 | 18° 2 | 8°26 | 15°50 | 17°43 | 10°58 | 1° 5 | 15°57 | 17° 7 | 1°33 | 10°12 | T 22 |
| F 23 | 6 8 31 | 1°15'38 | 1♉ 4 | 15°23 | 22°47 | 18°21 | 8°39 | 15°57 | 17°40 | 11° 0 | 1° 6 | 15°52 | 17° 4 | 1°39 | 10°13 | F 23 |
| S 24 | 6 12 27 | 2°16'30 | 13°20 | 14°45 | 24° 2 | 18°40 | 8°51 | 16° 4 | 17°38 | 11° 3 | 1° 6 | 15°46 | 17° 0 | 1°46 | 10°13 | S 24 |
| S 25 | 6 16 24 | 3°17'23 | 25°52 | 13°56 | 25°17 | 18°58 | 9° 4 | 16°11 | 17°35 | 11° 5 | 1° 6 | 15°39 | 16°57 | 1°53 | 10°13 | S 25 |
| M26 | 6 20 20 | 4°18'17 | 8♊42 | 12°57 | 26°33 | 19°16 | 9°17 | 16°18 | 17°33 | 11° 7 | 1° 7 | 15°32 | 16°54 | 1°59 | 10°13 | M26 |
| T 27 | 6 24 17 | 5°19'11 | 21°51 | 11°48 | 27°48 | 19°33 | 9°30 | 16°25 | 17°30 | 11° 9 | 1° 7 | 15°24 | 16°51 | 2° 6 | 10°13 | T 27 |
| W28 | 6 28 14 | 6°20'06 | 5♋17 | 10°32 | 29° 4 | 19°50 | 9°43 | 16°31 | 17°28 | 11°11 | 1° 7 | 15°18 | 16°48 | 2°13 | 10°14 | W28 |
| T 29 | 6 32 10 | 7°21'02 | 18°59 | 9°11 | 0♑19 | 20° 6 | 9°55 | 16°38 | 17°25 | 11°13 | 1° 7 | 15°14 | 16°44 | 2°19 | 10°14 | T 29 |
| F 30 | 6 36 7 | 8°21'59 | 2♌53 | 7°48 | 1°35 | 20°22 | 10° 8 | 16°45 | 17°23 | 11°15 | 1° 7 | 15°11 | 16°41 | 2°26 | 10°15 | F 30 |
| S 31 | 6 40 3 | 9♑22'57 | 16♌55 | 6♑26 | 2♑50 | 20♍37 | 10♒22 | 16♐52 | 17♋20 | 11♐17 | 1♎ 7 | 15°D10 | 16♒38 | 2♈33 | 10♈15 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s41 | 26n 2 | 3n 4 | 25s47 | 2s28 | 17s51 | 1n 8 | 9n44 | 2n 6 | 19s31 | 0s27 | 20s38 | 1n40 | 22n26 | 0n23 | 20s20 | 1n33 | 12n37 | 14n 8 | 15s38 | 15s17 | 2n47 | 6n11 | 2n16 |
| F 2 | 21 50 | 23 22 | 2 3 | 25 49 | 2 30 | 18 10 | 1 6 | 9 35 | 2 7 | 19 28 | 0 27 | 20 39 | 1 40 | 22 26 | 0 23 | 20 20 | 1 33 | 12 37 | 14 8 | 15 39 | 15 18 | 2 51 | 6 10 | 2 16 |
| S 3 | 21 59 | 19 22 | 0 54 | 25 50 | 2 31 | 18 29 | 1 5 | 9 27 | 2 9 | 19 25 | 0 27 | 20 40 | 1 40 | 22 26 | 0 23 | 20 21 | 1 33 | 12 37 | 14 9 | 15 40 | 15 19 | 2 54 | 6 9 | 2 15 |
| S 4 | 22 7 | 14 17 | 0s19 | 25 50 | 2 32 | 18 48 | 1 3 | 9 18 | 2 10 | 19 23 | 0 27 | 20 41 | 1 40 | 22 26 | 0 23 | 20 21 | 1 33 | 12 37 | 14 9 | 15 40 | 15 20 | 2 57 | 6 9 | 2 15 |
| M 5 | 22 15 | 8 26 | 1 32 | 25 48 | 2 32 | 19 5 | 1 1 | 9 10 | 2 11 | 19 20 | 0 27 | 20 42 | 1 40 | 22 27 | 0 23 | 20 21 | 1 33 | 12 37 | 14 10 | 15 40 | 15 21 | 3 0 | 6 8 | 2 15 |
| T 6 | 22 22 | 2 6 | 2 39 | 25 45 | 2 32 | 19 23 | 0 59 | 9 2 | 2 13 | 19 18 | 0 27 | 20 43 | 1 39 | 22 27 | 0 23 | 20 21 | 1 33 | 12 37 | 14 10 | 15 40 | 15 22 | 3 4 | 6 8 | 2 15 |
| W 7 | 22 29 | 4s22 | 3 38 | 25 41 | 2 31 | 19 39 | 0 57 | 8 54 | 2 14 | 19 15 | 0 27 | 20 43 | 1 39 | 22 27 | 0 23 | 20 22 | 1 33 | 12 38 | 14 10 | 15 40 | 15 23 | 3 7 | 6 7 | 2 15 |
| T 8 | 22 36 | 10 40 | 4 24 | 25 36 | 2 30 | 19 56 | 0 55 | 8 46 | 2 16 | 19 12 | 0 27 | 20 44 | 1 39 | 22 28 | 0 23 | 20 22 | 1 33 | 12 38 | 14 11 | 15 42 | 15 24 | 3 10 | 6 7 | 2 14 |
| F 9 | 22 42 | 16 25 | 4 53 | 25 30 | 2 28 | 20 11 | 0 53 | 8 38 | 2 17 | 19 9 | 0 27 | 20 45 | 1 39 | 22 28 | 0 23 | 20 22 | 1 33 | 12 38 | 14 11 | 15 43 | 15 25 | 3 13 | 6 6 | 2 14 |
| S 10 | 22 47 | 21 16 | 5 4 | 25 22 | 2 25 | 20 26 | 0 51 | 8 30 | 2 19 | 19 7 | 0 27 | 20 46 | 1 39 | 22 28 | 0 23 | 20 23 | 1 33 | 12 38 | 14 12 | 15 46 | 15 26 | 3 17 | 6 6 | 2 14 |
| S 11 | 22 52 | 24 50 | 4 56 | 25 14 | 2 21 | 20 41 | 0 49 | 8 22 | 2 20 | 19 4 | 0 27 | 20 47 | 1 39 | 22 28 | 0 23 | 20 23 | 1 33 | 12 38 | 14 12 | 15 49 | 15 27 | 3 20 | 6 6 | 2 14 |
| M12 | 22 57 | 26 49 | 4 30 | 25 4 | 2 17 | 20 55 | 0 47 | 8 15 | 2 22 | 19 1 | 0 27 | 20 48 | 1 39 | 22 29 | 0 23 | 20 23 | 1 33 | 12 38 | 14 13 | 15 52 | 15 28 | 3 23 | 6 5 | 2 14 |
| T 13 | 23 1 | 27 7 | 3 49 | 24 54 | 2 11 | 21 8 | 0 44 | 8 8 | 2 23 | 18 58 | 0 27 | 20 49 | 1 39 | 22 29 | 0 23 | 20 24 | 1 33 | 12 38 | 14 13 | 15 54 | 15 29 | 3 26 | 6 5 | 2 13 |
| W14 | 23 5 | 25 46 | 2 56 | 24 42 | 2 5 | 21 21 | 0 42 | 8 0 | 2 25 | 18 55 | 0 27 | 20 49 | 1 39 | 22 29 | 0 23 | 20 24 | 1 33 | 12 39 | 14 14 | 15 57 | 15 30 | 3 30 | 6 5 | 2 13 |
| T 15 | 23 8 | 23 2 | 1 54 | 24 30 | 1 57 | 21 33 | 0 40 | 7 53 | 2 26 | 18 52 | 0 27 | 20 50 | 1 39 | 22 30 | 0 23 | 20 24 | 1 33 | 12 39 | 14 14 | 15 58 | 15 31 | 3 33 | 6 4 | 2 13 |
| F 16 | 23 11 | 19 14 | 0 48 | 24 17 | 1 48 | 21 44 | 0 38 | 7 46 | 2 28 | 18 49 | 0 27 | 20 51 | 1 39 | 22 30 | 0 23 | 20 25 | 1 33 | 12 39 | 14 15 | 15 59 | 15 32 | 3 36 | 6 4 | 2 13 |
| S 17 | 23 14 | 14 39 | 0n18 | 24 4 | 1 38 | 21 55 | 0 36 | 7 39 | 2 30 | 18 46 | 0 27 | 20 52 | 1 39 | 22 30 | 0 23 | 20 25 | 1 33 | 12 39 | 14 15 | 15 59 | 15 33 | 3 39 | 6 4 | 2 13 |
| S 18 | 23 16 | 9 36 | 1 23 | 23 50 | 1 27 | 22 5 | 0 33 | 7 33 | 2 31 | 18 43 | 0 28 | 20 53 | 1 39 | 22 31 | 0 23 | 20 25 | 1 33 | 12 40 | 14 16 | 15 59 | 15 34 | 3 42 | 6 3 | 2 13 |
| M19 | 23 17 | 4 16 | 2 23 | 23 35 | 1 15 | 22 15 | 0 31 | 7 26 | 2 33 | 18 40 | 0 28 | 20 53 | 1 39 | 22 31 | 0 23 | 20 25 | 1 33 | 12 40 | 14 16 | 15 58 | 15 35 | 3 46 | 6 3 | 2 12 |
| T 20 | 23 18 | 1n 9 | 3 16 | 23 21 | 1 1 | 22 23 | 0 29 | 7 20 | 2 34 | 18 37 | 0 28 | 20 54 | 1 39 | 22 31 | 0 23 | 20 26 | 1 33 | 12 40 | 14 17 | 15 58 | 15 36 | 3 49 | 6 3 | 2 12 |
| W21 | 23 19 | 6 30 | 4 1 | 23 6 | 0 45 | 22 32 | 0 26 | 7 14 | 2 36 | 18 34 | 0 28 | 20 55 | 1 39 | 22 32 | 0 23 | 20 26 | 1 33 | 12 40 | 14 17 | 15 58 | 15 37 | 3 52 | 6 3 | 2 12 |
| T 22 | 23 19 | 11 40 | 4 36 | 22 52 | 0 29 | 22 39 | 0 24 | 7 8 | 2 38 | 18 30 | 0 28 | 20 56 | 1 39 | 22 32 | 0 23 | 20 26 | 1 33 | 12 41 | 14 18 | 15 59 | 15 38 | 3 55 | 6 3 | 2 12 |
| F 23 | 23 19 | 16 27 | 4 59 | 22 37 | 0 11 | 22 46 | 0 22 | 7 2 | 2 39 | 18 27 | 0 28 | 20 56 | 1 39 | 22 32 | 0 23 | 20 27 | 1 33 | 12 41 | 14 18 | 16 0 | 15 39 | 3 59 | 6 2 | 2 12 |
| S 24 | 23 18 | 20 40 | 5 9 | 22 22 | 0n 8 | 22 52 | 0 19 | 6 56 | 2 41 | 18 24 | 0 28 | 20 57 | 1 39 | 22 33 | 0 23 | 20 27 | 1 33 | 12 41 | 14 19 | 16 2 | 15 40 | 4 2 | 6 2 | 2 11 |
| S 25 | 23 17 | 24 3 | 5 4 | 22 8 | 0 27 | 22 57 | 0 17 | 6 51 | 2 43 | 18 21 | 0 28 | 20 58 | 1 39 | 22 33 | 0 23 | 20 27 | 1 33 | 12 42 | 14 19 | 16 4 | 15 41 | 4 5 | 6 2 | 2 11 |
| M26 | 23 15 | 26 19 | 4 44 | 21 54 | 0 47 | 23 2 | 0 14 | 6 45 | 2 45 | 18 17 | 0 28 | 20 58 | 1 39 | 22 33 | 0 23 | 20 27 | 1 33 | 12 42 | 14 20 | 16 6 | 15 41 | 4 8 | 6 2 | 2 11 |
| T 27 | 23 13 | 27 13 | 4 9 | 21 41 | 1 7 | 23 6 | 0 12 | 6 40 | 2 46 | 18 14 | 0 28 | 20 59 | 1 39 | 22 34 | 0 23 | 20 28 | 1 33 | 12 43 | 14 20 | 16 8 | 15 42 | 4 12 | 6 2 | 2 11 |
| W28 | 23 10 | 26 32 | 3 20 | 21 27 | 1 27 | 23 9 | 0 9 | 6 35 | 2 48 | 18 11 | 0 28 | 21 0 | 1 39 | 22 34 | 0 23 | 20 28 | 1 33 | 12 43 | 14 21 | 16 10 | 15 43 | 4 15 | 6 2 | 2 11 |
| T 29 | 23 7 | 24 15 | 2 18 | 21 15 | 1 46 | 23 12 | 0 7 | 6 30 | 2 50 | 18 7 | 0 28 | 21 0 | 1 39 | 22 34 | 0 23 | 20 28 | 1 33 | 12 43 | 14 21 | 16 11 | 15 44 | 4 18 | 6 2 | 2 10 |
| F 30 | 23 3 | 20 30 | 1 7 | 21 3 | 2 3 | 23 14 | 0 5 | 6 26 | 2 52 | 18 4 | 0 28 | 21 1 | 1 39 | 22 35 | 0 23 | 20 28 | 1 33 | 12 44 | 14 22 | 16 12 | 15 45 | 4 21 | 6 2 | 2 10 |
| S 31 | 22s59 | 15n32 | 0s10 | 20s52 | 2n18 | 23s15 | 0n 2 | 6n21 | 2n53 | 18s 0 | 0s28 | 21s 2 | 1n39 | 22n35 | 0n23 | 20s29 | 1n33 | 12n44 | 14n22 | 16s12 | 15s46 | 4n24 | 6n 2 | 2n10 |

Julian Day Number = 2801416.5, Delta T = 50m24s
Ecliptic obliquity = 23°19'01, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°08'56, Lahiri = 37°15'56


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# ASTRODIENST EPHEMERIS for the year 2958
# geocentric

## JANUARY 2958 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 44 0 | 10♑23'56 | 1♍ 4 | 5°R 7 | 4♑ 6 | 20♍52 | 10♒35 | 16♐59 | 17°R18 | 11♐19 | 1♎ 8 | 15♒11 | 16♒35 | 2♈40 | 10♈16 | S 1 |
| M 2 | 6 47 56 | 11°24'55 | 15°15 | 3♑53 | 5°21 | 21° 6 | 10°48 | 17° 6 | 17♋15 | 11°21 | 1°R 8 | 15°13 | 16°32 | 2°46 | 10°16 | M 2 |
| T 3 | 6 51 53 | 12°25'55 | 29°26 | 2°48 | 6°36 | 21°20 | 11° 1 | 17°12 | 17°13 | 11°23 | 1° 8 | 15°14 | 16°29 | 2°53 | 10°17 | T 3 |
| W 4 | 6 55 49 | 13°26'57 | 13♎36 | 1°52 | 7°52 | 21°33 | 11°14 | 17°19 | 17°10 | 11°25 | 1° 7 | 15°R15 | 16°25 | 3° 0 | 10°18 | W 4 |
| T 5 | 6 59 46 | 14°27'59 | 27°42 | 1° 6 | 9° 7 | 21°46 | 11°28 | 17°26 | 17° 7 | 11°27 | 1° 7 | 15°14 | 16°22 | 3° 6 | 10°19 | T 5 |
| F 6 | 7 3 43 | 15°29'02 | 11♏44 | 0°31 | 10°23 | 21°58 | 11°41 | 17°32 | 17° 5 | 11°29 | 1° 7 | 15°12 | 16°19 | 3°13 | 10°20 | F 6 |
| S 7 | 7 7 39 | 16°30'06 | 25°39 | 0° 7 | 11°38 | 22° 9 | 11°54 | 17°39 | 17° 2 | 11°31 | 1° 7 | 15° 8 | 16°16 | 3°20 | 10°20 | S 7 |
| S 8 | 7 11 36 | 17°31'11 | 9♐24 | 29♐53 | 12°54 | 22°20 | 12° 8 | 17°46 | 17° 0 | 11°33 | 1° 7 | 15° 4 | 16°13 | 3°26 | 10°21 | S 8 |
| M 9 | 7 15 32 | 18°32'16 | 22°59 | 29°D50 | 14° 9 | 22°30 | 12°21 | 17°52 | 16°57 | 11°35 | 1° 7 | 15° 0 | 16°10 | 3°33 | 10°22 | M 9 |
| T 10 | 7 19 29 | 19°33'22 | 6♑20 | 29°56 | 15°25 | 22°40 | 12°35 | 17°59 | 16°55 | 11°37 | 1° 7 | 14°56 | 16° 6 | 3°40 | 10°24 | T 10 |
| W11 | 7 23 25 | 20°34'28 | 19°26 | 0♑11 | 16°40 | 22°49 | 12°48 | 18° 5 | 16°52 | 11°39 | 1° 6 | 14°53 | 16° 3 | 3°46 | 10°25 | W11 |
| T 12 | 7 27 22 | 21°35'35 | 2♒16 | 0°33 | 17°56 | 22°58 | 13° 2 | 18°11 | 16°49 | 11°41 | 1° 6 | 14°51 | 16° 0 | 3°53 | 10°26 | T 12 |
| F 13 | 7 31 19 | 22°36'42 | 14°51 | 1° 3 | 19°11 | 23° 5 | 13°16 | 18°18 | 16°47 | 11°42 | 1° 6 | 14°D50 | 15°57 | 4° 0 | 10°27 | F 13 |
| S 14 | 7 35 15 | 23°37'48 | 27°10 | 1°39 | 20°27 | 23°12 | 13°29 | 18°24 | 16°44 | 11°44 | 1° 5 | 14°51 | 15°54 | 4° 6 | 10°28 | S 14 |
| S 15 | 7 39 12 | 24°38'55 | 9♓17 | 2°22 | 21°43 | 23°19 | 13°43 | 18°30 | 16°42 | 11°46 | 1° 5 | 14°52 | 15°50 | 4°13 | 10°30 | S 15 |
| M16 | 7 43 8 | 25°40'02 | 21°14 | 3° 9 | 22°58 | 23°25 | 13°57 | 18°37 | 16°39 | 11°48 | 1° 4 | 14°54 | 15°47 | 4°20 | 10°31 | M16 |
| T 17 | 7 47 5 | 26°41'09 | 3♈ 6 | 4° 1 | 24°14 | 23°30 | 14°11 | 18°43 | 16°37 | 11°49 | 1° 4 | 14°55 | 15°44 | 4°27 | 10°33 | T 17 |
| W18 | 7 51 1 | 27°42'16 | 14°56 | 4°57 | 25°29 | 23°34 | 14°25 | 18°49 | 16°34 | 11°51 | 1° 4 | 14°56 | 15°41 | 4°33 | 10°34 | W18 |
| T 19 | 7 54 58 | 28°43'22 | 26°49 | 5°56 | 26°45 | 23°38 | 14°38 | 18°55 | 16°32 | 11°53 | 1° 3 | 14°R57 | 15°38 | 4°40 | 10°36 | T 19 |
| F 20 | 7 58 54 | 29°44'28 | 8♉51 | 6°59 | 28° 0 | 23°40 | 14°52 | 19° 1 | 16°29 | 11°54 | 1° 2 | 14°57 | 15°35 | 4°47 | 10°37 | F 20 |
| S 21 | 8 2 51 | 0♒45'34 | 21° 5 | 8° 4 | 29°16 | 23°43 | 15° 6 | 19° 7 | 16°27 | 11°56 | 1° 2 | 14°56 | 15°31 | 4°53 | 10°39 | S 21 |
| S 22 | 8 6 48 | 1°46'40 | 3♊37 | 9°12 | 0♒31 | 23°44 | 15°20 | 19°13 | 16°24 | 11°58 | 1° 1 | 14°54 | 15°28 | 5° 0 | 10°40 | S 22 |
| M23 | 8 10 44 | 2°47'45 | 16°29 | 10°23 | 1°47 | 23°R45 | 15°34 | 19°19 | 16°22 | 11°59 | 1° 1 | 14°53 | 15°25 | 5° 7 | 10°42 | M23 |
| T 24 | 8 14 41 | 3°48'51 | 29°44 | 11°35 | 3° 2 | 23°45 | 15°48 | 19°25 | 16°19 | 12° 1 | 1° 0 | 14°51 | 15°22 | 5°13 | 10°44 | T 24 |
| W25 | 8 18 37 | 4°49'55 | 13♋22 | 12°50 | 4°17 | 23°44 | 16° 2 | 19°30 | 16°17 | 12° 2 | 0°59 | 14°50 | 15°19 | 5°20 | 10°46 | W25 |
| T 26 | 8 22 34 | 5°51'00 | 27°22 | 14° 6 | 5°33 | 23°42 | 16°16 | 19°36 | 16°15 | 12° 4 | 0°58 | 14°49 | 15°16 | 5°27 | 10°48 | T 26 |
| F 27 | 8 26 30 | 6°52'04 | 11♌40 | 15°23 | 6°48 | 23°40 | 16°30 | 19°42 | 16°12 | 12° 5 | 0°58 | 14°D48 | 15°12 | 5°33 | 10°50 | F 27 |
| S 28 | 8 30 27 | 7°53'08 | 26°11 | 16°42 | 8° 4 | 23°37 | 16°44 | 19°47 | 16°10 | 12° 7 | 0°57 | 14°48 | 15° 9 | 5°40 | 10°52 | S 28 |
| S 29 | 8 34 23 | 8°54'12 | 10♍49 | 18° 2 | 9°19 | 23°33 | 16°58 | 19°53 | 16° 8 | 12° 8 | 0°56 | 14°49 | 15° 6 | 5°47 | 10°54 | S 29 |
| M30 | 8 38 20 | 9°55'15 | 25°28 | 19°23 | 10°35 | 23°28 | 17°12 | 19°58 | 16° 5 | 12°10 | 0°55 | 14°49 | 15° 3 | 5°54 | 10°56 | M30 |
| T 31 | 8 42 17 | 10♒56'18 | 10♎ 1 | 20♑45 | 11♒50 | 23♍23 | 17♒27 | 20♐ 4 | 16♋ 3 | 12♐11 | 0♎54 | 14♒50 | 15♒ 0 | 6♈ 0 | 10♈58 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s55 | 9n42 | 1s26 | 20s42 | 2n31 | 23s16 | 0s 0 | 6n17 | 2n55 | 17s57 | 0s28 | 21s 2 | 1n39 | 22n35 | 0n23 | 20s29 | 1n33 | 12n45 | 14n23 | 16s12 | 15s47 | 4n28 | 6n 2 | 2n10 |
| M 2 | 22 50 | 3 22 | 2 37 | 20 33 | 2 42 | 23 15 | 0 3 | 6 13 | 2 57 | 17 53 | 0 28 | 21 3 | 1 39 | 22 36 | 0 23 | 20 29 | 1 33 | 12 45 | 14 24 | 16 11 | 15 48 | 4 31 | 6 2 | 2 10 |
| T 3 | 22 44 | 3s 7 | 3 38 | 20 27 | 2 51 | 23 14 | 0 5 | 6 10 | 2 59 | 17 50 | 0 28 | 21 4 | 1 39 | 22 36 | 0 23 | 20 29 | 1 33 | 12 46 | 14 24 | 16 11 | 15 49 | 4 34 | 6 2 | 2 9 |
| W 4 | 22 38 | 9 26 | 4 27 | 20 22 | 2 57 | 23 13 | 0 8 | 6 6 | 3 1 | 17 46 | 0 28 | 21 4 | 1 39 | 22 36 | 0 23 | 20 30 | 1 33 | 12 46 | 14 25 | 16 11 | 15 50 | 4 37 | 6 2 | 2 9 |
| T 5 | 22 32 | 15 15 | 4 58 | 20 18 | 3 0 | 23 10 | 0 10 | 6 3 | 3 2 | 17 43 | 0 28 | 21 5 | 1 39 | 22 37 | 0 23 | 20 30 | 1 33 | 12 47 | 14 25 | 16 11 | 15 51 | 4 40 | 6 3 | 2 9 |
| F 6 | 22 25 | 20 13 | 5 12 | 20 17 | 3 2 | 23 7 | 0 12 | 6 0 | 3 4 | 17 39 | 0 28 | 21 5 | 1 39 | 22 37 | 0 23 | 20 30 | 1 33 | 12 47 | 14 26 | 16 12 | 15 52 | 4 44 | 6 3 | 2 9 |
| S 7 | 22 18 | 24 3 | 5 8 | 20 18 | 3 1 | 23 3 | 0 15 | 5 57 | 3 6 | 17 35 | 0 28 | 21 6 | 1 39 | 22 37 | 0 23 | 20 30 | 1 33 | 12 48 | 14 26 | 16 13 | 15 53 | 4 47 | 6 3 | 2 9 |
| S 8 | 22 11 | 26 27 | 4 45 | 20 20 | 2 59 | 22 59 | 0 17 | 5 54 | 3 8 | 17 32 | 0 28 | 21 7 | 1 39 | 22 38 | 0 23 | 20 31 | 1 33 | 12 48 | 14 27 | 16 14 | 15 54 | 4 50 | 6 3 | 2 8 |
| M 9 | 22 2 | 27 15 | 4 7 | 20 23 | 2 56 | 22 53 | 0 19 | 5 52 | 3 10 | 17 28 | 0 29 | 21 7 | 1 39 | 22 38 | 0 23 | 20 31 | 1 33 | 12 49 | 14 27 | 16 15 | 15 55 | 4 53 | 6 3 | 2 8 |
| T 10 | 21 54 | 26 26 | 3 16 | 20 28 | 2 51 | 22 47 | 0 22 | 5 50 | 3 12 | 17 24 | 0 29 | 21 8 | 1 39 | 22 38 | 0 23 | 20 31 | 1 33 | 12 49 | 14 28 | 16 16 | 15 56 | 4 56 | 6 4 | 2 8 |
| W11 | 21 45 | 24 9 | 2 15 | 20 34 | 2 45 | 22 41 | 0 24 | 5 48 | 3 14 | 17 20 | 0 29 | 21 8 | 1 39 | 22 39 | 0 23 | 20 31 | 1 33 | 12 50 | 14 28 | 16 17 | 15 57 | 5 0 | 6 4 | 2 8 |
| T 12 | 21 36 | 20 40 | 1 9 | 20 40 | 2 39 | 22 33 | 0 26 | 5 47 | 3 16 | 17 17 | 0 29 | 21 9 | 1 39 | 22 39 | 0 23 | 20 32 | 1 34 | 12 50 | 14 29 | 16 18 | 15 58 | 5 3 | 6 4 | 2 8 |
| F 13 | 21 26 | 16 18 | 0n 0 | 20 47 | 2 31 | 22 25 | 0 29 | 5 45 | 3 18 | 17 13 | 0 29 | 21 9 | 1 39 | 22 39 | 0 23 | 20 32 | 1 34 | 12 51 | 14 29 | 16 18 | 15 58 | 5 6 | 6 4 | 2 8 |
| S 14 | 21 16 | 11 20 | 1 8 | 20 55 | 2 24 | 22 17 | 0 31 | 5 44 | 3 20 | 17 9 | 0 29 | 21 10 | 1 39 | 22 40 | 0 23 | 20 32 | 1 34 | 12 51 | 14 29 | 16 18 | 15 59 | 5 9 | 6 5 | 2 7 |
| S 15 | 21 5 | 6 2 | 2 11 | 21 2 | 2 15 | 22 7 | 0 33 | 5 44 | 3 21 | 17 5 | 0 29 | 21 10 | 1 39 | 22 40 | 0 23 | 20 32 | 1 34 | 12 52 | 14 30 | 16 18 | 16 0 | 5 12 | 6 5 | 2 7 |
| M16 | 20 54 | 0 35 | 3 8 | 21 10 | 2 7 | 21 57 | 0 35 | 5 43 | 3 23 | 17 1 | 0 29 | 21 11 | 1 39 | 22 40 | 0 23 | 20 32 | 1 34 | 12 53 | 14 30 | 16 17 | 16 1 | 5 16 | 6 5 | 2 7 |
| T 17 | 20 43 | 4n50 | 3 56 | 21 18 | 1 58 | 21 46 | 0 38 | 5 43 | 3 25 | 16 57 | 0 29 | 21 11 | 1 40 | 22 41 | 0 23 | 20 33 | 1 34 | 12 53 | 14 31 | 16 17 | 16 2 | 5 19 | 6 6 | 2 7 |
| W18 | 20 31 | 10 4 | 4 34 | 21 25 | 1 49 | 21 35 | 0 40 | 5 43 | 3 27 | 16 53 | 0 29 | 21 12 | 1 40 | 22 41 | 0 23 | 20 33 | 1 34 | 12 54 | 14 31 | 16 16 | 16 3 | 5 22 | 6 6 | 2 7 |
| T 19 | 20 19 | 14 58 | 5 1 | 21 31 | 1 40 | 21 23 | 0 42 | 5 43 | 3 29 | 16 49 | 0 29 | 21 12 | 1 40 | 22 41 | 0 23 | 20 33 | 1 34 | 12 55 | 14 32 | 16 16 | 16 4 | 5 25 | 6 7 | 2 6 |
| F 20 | 20 6 | 19 20 | 5 15 | 21 38 | 1 31 | 21 10 | 0 44 | 5 44 | 3 31 | 16 45 | 0 29 | 21 13 | 1 40 | 22 41 | 0 23 | 20 33 | 1 34 | 12 55 | 14 32 | 16 16 | 16 5 | 5 28 | 6 7 | 2 6 |
| S 21 | 19 53 | 22 59 | 5 15 | 21 43 | 1 21 | 20 57 | 0 46 | 5 45 | 3 33 | 16 41 | 0 29 | 21 13 | 1 40 | 22 42 | 0 23 | 20 33 | 1 34 | 12 56 | 14 33 | 16 16 | 16 6 | 5 31 | 6 8 | 2 6 |
| S 22 | 19 40 | 25 40 | 5 0 | 21 48 | 1 12 | 20 43 | 0 48 | 5 46 | 3 35 | 16 37 | 0 29 | 21 13 | 1 40 | 22 42 | 0 23 | 20 33 | 1 34 | 12 56 | 14 33 | 16 17 | 16 7 | 5 35 | 6 8 | 2 6 |
| M23 | 19 26 | 27 6 | 4 30 | 21 52 | 1 3 | 20 28 | 0 50 | 5 48 | 3 37 | 16 33 | 0 29 | 21 14 | 1 40 | 22 42 | 0 23 | 20 34 | 1 34 | 12 57 | 14 34 | 16 17 | 16 8 | 5 38 | 6 9 | 2 6 |
| T 24 | 19 12 | 27 4 | 3 45 | 21 55 | 0 54 | 20 13 | 0 52 | 5 49 | 3 39 | 16 29 | 0 29 | 21 14 | 1 40 | 22 43 | 0 23 | 20 34 | 1 34 | 12 58 | 14 34 | 16 18 | 16 9 | 5 41 | 6 9 | 2 6 |
| W25 | 18 58 | 25 24 | 2 46 | 21 57 | 0 45 | 19 58 | 0 54 | 5 52 | 3 41 | 16 25 | 0 30 | 21 15 | 1 40 | 22 43 | 0 23 | 20 34 | 1 34 | 12 59 | 14 35 | 16 18 | 16 10 | 5 44 | 6 10 | 2 5 |
| T 26 | 18 43 | 22 8 | 1 35 | 21 59 | 0 36 | 19 41 | 0 56 | 5 54 | 3 43 | 16 21 | 0 30 | 21 15 | 1 40 | 22 43 | 0 23 | 20 34 | 1 34 | 12 59 | 14 35 | 16 18 | 16 11 | 5 47 | 6 10 | 2 5 |
| F 27 | 18 28 | 17 29 | 0 17 | 21 59 | 0 27 | 19 24 | 0 57 | 5 57 | 3 45 | 16 17 | 0 30 | 21 15 | 1 40 | 22 44 | 0 23 | 20 34 | 1 34 | 13 0 | 14 36 | 16 19 | 16 12 | 5 50 | 6 11 | 2 5 |
| S 28 | 18 12 | 11 45 | 1s 3 | 21 58 | 0 19 | 19 7 | 0 59 | 6 0 | 3 47 | 16 13 | 0 30 | 21 16 | 1 40 | 22 44 | 0 23 | 20 34 | 1 34 | 13 1 | 14 36 | 16 19 | 16 13 | 5 54 | 6 12 | 2 5 |
| S 29 | 17 56 | 5 19 | 2 19 | 21 56 | 0 10 | 18 49 | 1 1 | 6 3 | 3 48 | 16 9 | 0 30 | 21 16 | 1 40 | 22 44 | 0 23 | 20 35 | 1 34 | 13 1 | 14 36 | 16 18 | 16 13 | 5 57 | 6 12 | 2 5 |
| M30 | 17 40 | 1s23 | 3 27 | 21 53 | 0 2 | 18 30 | 1 3 | 6 6 | 3 50 | 16 4 | 0 30 | 21 16 | 1 40 | 22 44 | 0 23 | 20 35 | 1 34 | 13 2 | 14 37 | 16 18 | 16 14 | 6 0 | 6 13 | 2 5 |
| T 31 | 17s24 | 7s57 | 4s21 | 21s49 | 0s 6 | 18s11 | 1s 4 | 6n10 | 3n52 | 16s 0 | 0s30 | 21s17 | 1n40 | 22n45 | 0n23 | 20s35 | 1n34 | 13n 3 | 14n37 | 16s18 | 16s15 | 6n 3 | 6n14 | 2n 4 |

Julian Day Number = 2801447.5, Delta T = 50m25s
Ecliptic obliquity = 23°19'01, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'00, Lahiri = 37°16'01


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# ASTRODIENST EPHEMERIS for the year 2958
# geocentric

## FEBRUARY 2958 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 8 46 13 | 11♒57'21 | 24♎25 | 22♑ 9 | 13♒ 6 | 23°R16 | 17♒41 | 20♐ 9 | 16°R 1 | 12♐13 | 0°R54 | 14♒50 | 14♒56 | 6♈ 7 | 11♈ 0 | W 1 |
| T 2 | 8 50 10 | 12°58'24 | 8♏36 | 23°33 | 14°21 | 23♍ 9 | 17°55 | 20°14 | 15♋58 | 12°14 | 0♎53 | 14°R50 | 14°53 | 6°14 | 11° 2 | T 2 |
| F 3 | 8 54 6 | 13°59'27 | 22°32 | 24°58 | 15°37 | 23° 1 | 18° 9 | 20°20 | 15°56 | 12°15 | 0°52 | 14°50 | 14°50 | 6°20 | 11° 4 | F 3 |
| S 4 | 8 58 3 | 15° 0'30 | 6♐12 | 26°24 | 16°52 | 22°52 | 18°23 | 20°25 | 15°54 | 12°16 | 0°51 | 14°D50 | 14°47 | 6°27 | 11° 7 | S 4 |
| S 5 | 9 1 59 | 16° 1'32 | 19°37 | 27°51 | 18° 8 | 22°43 | 18°37 | 20°30 | 15°52 | 12°18 | 0°50 | 14°50 | 14°44 | 6°34 | 11° 9 | S 5 |
| M 6 | 9 5 56 | 17° 2'35 | 2♑46 | 29°18 | 19°23 | 22°33 | 18°52 | 20°35 | 15°50 | 12°19 | 0°49 | 14°50 | 14°41 | 6°40 | 11°11 | M 6 |
| T 7 | 9 9 52 | 18° 3'36 | 15°42 | 0♒46 | 20°38 | 22°21 | 19° 6 | 20°40 | 15°48 | 12°20 | 0°48 | 14°51 | 14°37 | 6°47 | 11°14 | T 7 |
| W 8 | 9 13 49 | 19° 4'38 | 28°25 | 2°15 | 21°54 | 22° 9 | 19°20 | 20°45 | 15°46 | 12°21 | 0°47 | 14°51 | 14°34 | 6°54 | 11°16 | W 8 |
| T 9 | 9 17 46 | 20° 5'38 | 10♒56 | 3°45 | 23° 9 | 21°57 | 19°34 | 20°49 | 15°44 | 12°22 | 0°45 | 14°R51 | 14°31 | 7° 0 | 11°19 | T 9 |
| F 10 | 9 21 42 | 21° 6'38 | 23°15 | 5°15 | 24°25 | 21°43 | 19°48 | 20°54 | 15°42 | 12°23 | 0°44 | 14°51 | 14°28 | 7° 7 | 11°21 | F 10 |
| S 11 | 9 25 39 | 22° 7'37 | 5♓25 | 6°46 | 25°40 | 21°29 | 20° 2 | 20°59 | 15°40 | 12°24 | 0°43 | 14°51 | 14°25 | 7°14 | 11°24 | S 11 |
| S 12 | 9 29 35 | 23° 8'35 | 17°26 | 8°18 | 26°55 | 21°14 | 20°17 | 21° 3 | 15°38 | 12°26 | 0°42 | 14°50 | 14°22 | 7°21 | 11°27 | S 12 |
| M13 | 9 33 32 | 24° 9'32 | 29°21 | 9°50 | 28°11 | 20°58 | 20°31 | 21° 8 | 15°36 | 12°27 | 0°41 | 14°49 | 14°18 | 7°27 | 11°29 | M13 |
| T 14 | 9 37 28 | 25°10'28 | 11♈12 | 11°23 | 29°26 | 20°41 | 20°45 | 21°12 | 15°34 | 12°27 | 0°40 | 14°47 | 14°15 | 7°34 | 11°32 | T 14 |
| W15 | 9 41 25 | 26°11'23 | 23° 2 | 12°57 | 0♓42 | 20°24 | 20°59 | 21°17 | 15°32 | 12°28 | 0°38 | 14°45 | 14°12 | 7°41 | 11°35 | W15 |
| T 16 | 9 45 21 | 27°12'17 | 4♉54 | 14°31 | 1°57 | 20° 6 | 21°13 | 21°21 | 15°31 | 12°29 | 0°37 | 14°44 | 14° 9 | 7°47 | 11°37 | T 16 |
| F 17 | 9 49 18 | 28°13'10 | 16°54 | 16° 6 | 3°12 | 19°48 | 21°27 | 21°25 | 15°29 | 12°30 | 0°36 | 14°43 | 14° 6 | 7°54 | 11°40 | F 17 |
| S 18 | 9 53 15 | 29°14'01 | 29° 5 | 17°42 | 4°28 | 19°29 | 21°42 | 21°29 | 15°27 | 12°31 | 0°35 | 14°D43 | 14° 2 | 8° 1 | 11°43 | S 18 |
| S 19 | 9 57 11 | 0♓14'51 | 11♊31 | 19°18 | 5°43 | 19° 9 | 21°56 | 21°33 | 15°26 | 12°32 | 0°33 | 14°43 | 13°59 | 8° 7 | 11°46 | S 19 |
| M20 | 10 1 8 | 1°15'40 | 24°18 | 20°56 | 6°58 | 18°49 | 22°10 | 21°37 | 15°24 | 12°33 | 0°32 | 14°44 | 13°56 | 8°14 | 11°49 | M20 |
| T 21 | 10 5 4 | 2°16'28 | 7♋29 | 22°34 | 8°14 | 18°28 | 22°24 | 21°41 | 15°23 | 12°33 | 0°31 | 14°45 | 13°53 | 8°21 | 11°52 | T 21 |
| W22 | 10 9 1 | 3°17'14 | 21° 6 | 24°12 | 9°29 | 18° 7 | 22°38 | 21°45 | 15°21 | 12°34 | 0°29 | 14°47 | 13°50 | 8°27 | 11°55 | W22 |
| T 23 | 10 12 57 | 4°17'59 | 5♌10 | 25°52 | 10°44 | 17°45 | 22°52 | 21°48 | 15°20 | 12°35 | 0°28 | 14°48 | 13°47 | 8°34 | 11°58 | T 23 |
| F 24 | 10 16 54 | 5°18'42 | 19°39 | 27°32 | 11°59 | 17°23 | 23° 6 | 21°52 | 15°18 | 12°35 | 0°26 | 14°R48 | 13°43 | 8°41 | 12° 1 | F 24 |
| S 25 | 10 20 50 | 6°19'24 | 4♍27 | 29°13 | 13°15 | 17° 1 | 23°20 | 21°55 | 15°17 | 12°36 | 0°25 | 14°47 | 13°40 | 8°48 | 12° 4 | S 25 |
| S 26 | 10 24 47 | 7°20'05 | 19°29 | 0♓55 | 14°30 | 16°38 | 23°34 | 21°59 | 15°15 | 12°37 | 0°24 | 14°45 | 13°37 | 8°54 | 12° 7 | S 26 |
| M27 | 10 28 44 | 8°20'44 | 4♎35 | 2°38 | 15°45 | 16°15 | 23°48 | 22° 2 | 15°14 | 12°37 | 0°22 | 14°42 | 13°34 | 9° 1 | 12°10 | M27 |
| T 28 | 10 32 40 | 9♓21'23 | 19♎35 | 4♓21 | 17♓ 0 | 15♍52 | 24♒ 2 | 22♐ 5 | 15♋13 | 12♐38 | 0♎21 | 14♒38 | 13♒31 | 9♈ 8 | 12♈13 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17s 7 | 14s 2 | 4s58 | 21s44 | 0s14 | 17s51 | 1s 6 | 6n14 | 3n54 | 15s56 | 0s30 | 21s17 | 1n40 | 22n45 | 0n23 | 20s35 | 1n34 | 13n 4 | 14n38 | 16s18 | 16s16 | 6n 6 | 6n14 | 2n 4 |
| T 2 | 16 50 | 19 16 | 5 16 | 21 38 | 0 21 | 17 31 | 1 7 | 6 19 | 3 56 | 15 52 | 0 30 | 21 17 | 1 41 | 22 45 | 0 23 | 20 35 | 1 34 | 13 4 | 14 38 | 16 18 | 16 17 | 6 9 | 6 15 | 2 4 |
| F 3 | 16 33 | 23 23 | 5 15 | 21 30 | 0 29 | 17 10 | 1 9 | 6 24 | 3 57 | 15 47 | 0 30 | 21 18 | 1 41 | 22 45 | 0 23 | 20 35 | 1 34 | 13 5 | 14 38 | 16 18 | 16 18 | 6 13 | 6 16 | 2 4 |
| S 4 | 16 15 | 26 5 | 4 56 | 21 21 | 0 36 | 16 49 | 1 10 | 6 29 | 3 59 | 15 43 | 0 30 | 21 18 | 1 41 | 22 46 | 0 23 | 20 35 | 1 34 | 13 6 | 14 39 | 16 18 | 16 19 | 6 16 | 6 16 | 2 4 |
| S 5 | 15 57 | 27 15 | 4 21 | 21 12 | 0 43 | 16 27 | 1 12 | 6 34 | 4 1 | 15 39 | 0 30 | 21 18 | 1 41 | 22 46 | 0 23 | 20 36 | 1 34 | 13 7 | 14 39 | 16 18 | 16 20 | 6 19 | 6 17 | 2 4 |
| M 6 | 15 39 | 26 50 | 3 33 | 21 0 | 0 50 | 16 5 | 1 13 | 6 40 | 4 2 | 15 35 | 0 30 | 21 18 | 1 41 | 22 46 | 0 23 | 20 36 | 1 34 | 13 7 | 14 40 | 16 18 | 16 21 | 6 22 | 6 18 | 2 3 |
| T 7 | 15 20 | 24 58 | 2 35 | 20 48 | 0 57 | 15 43 | 1 14 | 6 45 | 4 4 | 15 30 | 0 30 | 21 19 | 1 41 | 22 46 | 0 23 | 20 36 | 1 34 | 13 8 | 14 40 | 16 18 | 16 22 | 6 25 | 6 19 | 2 3 |
| W 8 | 15 2 | 21 51 | 1 30 | 20 35 | 1 3 | 15 20 | 1 16 | 6 52 | 4 6 | 15 26 | 0 31 | 21 19 | 1 41 | 22 47 | 0 23 | 20 36 | 1 35 | 13 9 | 14 40 | 16 18 | 16 23 | 6 28 | 6 20 | 2 3 |
| T 9 | 14 43 | 17 45 | 0 22 | 20 20 | 1 9 | 14 56 | 1 17 | 6 58 | 4 7 | 15 22 | 0 31 | 21 19 | 1 41 | 22 47 | 0 23 | 20 36 | 1 35 | 13 10 | 14 41 | 16 18 | 16 24 | 6 31 | 6 20 | 2 3 |
| F 10 | 14 23 | 12 58 | 0n46 | 20 4 | 1 15 | 14 33 | 1 18 | 7 5 | 4 9 | 15 17 | 0 31 | 21 19 | 1 41 | 22 47 | 0 23 | 20 36 | 1 35 | 13 10 | 14 41 | 16 18 | 16 25 | 6 34 | 6 21 | 2 3 |
| S 11 | 14 4 | 7 45 | 1 52 | 19 47 | 1 20 | 14 8 | 1 19 | 7 12 | 4 10 | 15 13 | 0 31 | 21 20 | 1 41 | 22 47 | 0 23 | 20 36 | 1 35 | 13 11 | 14 42 | 16 18 | 16 25 | 6 38 | 6 22 | 2 3 |
| S 12 | 13 44 | 2 19 | 2 51 | 19 29 | 1 26 | 13 44 | 1 20 | 7 19 | 4 11 | 15 8 | 0 31 | 21 20 | 1 41 | 22 48 | 0 23 | 20 36 | 1 35 | 13 12 | 14 42 | 16 18 | 16 26 | 6 41 | 6 23 | 2 2 |
| M13 | 13 24 | 3n 9 | 3 42 | 19 9 | 1 31 | 13 19 | 1 21 | 7 26 | 4 13 | 15 4 | 0 31 | 21 20 | 1 41 | 22 48 | 0 23 | 20 36 | 1 35 | 13 13 | 14 42 | 16 19 | 16 27 | 6 44 | 6 24 | 2 2 |
| T 14 | 13 4 | 8 27 | 4 24 | 18 48 | 1 35 | 12 53 | 1 22 | 7 34 | 4 14 | 15 0 | 0 31 | 21 20 | 1 42 | 22 48 | 0 23 | 20 36 | 1 35 | 13 13 | 14 43 | 16 19 | 16 28 | 6 47 | 6 25 | 2 2 |
| W15 | 12 43 | 13 27 | 4 54 | 18 26 | 1 40 | 12 28 | 1 23 | 7 41 | 4 15 | 14 55 | 0 31 | 21 20 | 1 42 | 22 48 | 0 23 | 20 36 | 1 35 | 13 14 | 14 43 | 16 19 | 16 29 | 6 50 | 6 26 | 2 2 |
| T 16 | 12 23 | 17 59 | 5 12 | 18 3 | 1 44 | 12 2 | 1 23 | 7 49 | 4 16 | 14 51 | 0 31 | 21 21 | 1 42 | 22 48 | 0 23 | 20 36 | 1 35 | 13 15 | 14 43 | 16 20 | 16 30 | 6 53 | 6 27 | 2 2 |
| F 17 | 12 2 | 21 51 | 5 16 | 17 39 | 1 48 | 11 35 | 1 24 | 7 58 | 4 17 | 14 46 | 0 31 | 21 21 | 1 42 | 22 49 | 0 23 | 20 37 | 1 35 | 13 16 | 14 44 | 16 20 | 16 31 | 6 56 | 6 28 | 2 2 |
| S 18 | 11 41 | 24 50 | 5 7 | 17 13 | 1 51 | 11 8 | 1 25 | 8 6 | 4 18 | 14 42 | 0 31 | 21 21 | 1 42 | 22 49 | 0 23 | 20 37 | 1 35 | 13 17 | 14 44 | 16 20 | 16 32 | 6 59 | 6 29 | 2 2 |
| S 19 | 11 20 | 26 43 | 4 43 | 16 46 | 1 55 | 10 41 | 1 25 | 8 14 | 4 19 | 14 37 | 0 32 | 21 21 | 1 42 | 22 49 | 0 23 | 20 37 | 1 35 | 13 17 | 14 44 | 16 20 | 16 33 | 7 3 | 6 30 | 2 1 |
| M20 | 10 58 | 27 16 | 4 4 | 16 18 | 1 57 | 10 14 | 1 26 | 8 23 | 4 19 | 14 33 | 0 32 | 21 21 | 1 42 | 22 49 | 0 23 | 20 37 | 1 35 | 13 18 | 14 44 | 16 20 | 16 34 | 7 6 | 6 31 | 2 1 |
| T 21 | 10 37 | 26 18 | 3 12 | 15 49 | 2 0 | 9 47 | 1 26 | 8 32 | 4 20 | 14 29 | 0 32 | 21 21 | 1 42 | 22 49 | 0 23 | 20 37 | 1 35 | 13 19 | 14 45 | 16 19 | 16 35 | 7 9 | 6 32 | 2 1 |
| W22 | 10 15 | 23 46 | 2 7 | 15 18 | 2 2 | 9 19 | 1 27 | 8 40 | 4 21 | 14 24 | 0 32 | 21 21 | 1 42 | 22 49 | 0 23 | 20 37 | 1 35 | 13 20 | 14 45 | 16 19 | 16 35 | 7 12 | 6 33 | 2 1 |
| T 23 | 9 53 | 19 44 | 0 53 | 14 47 | 2 4 | 8 51 | 1 27 | 8 49 | 4 21 | 14 20 | 0 32 | 21 22 | 1 42 | 22 50 | 0 23 | 20 37 | 1 35 | 13 21 | 14 45 | 16 19 | 16 36 | 7 15 | 6 34 | 2 1 |
| F 24 | 9 31 | 14 26 | 0s27 | 14 14 | 2 5 | 8 23 | 1 27 | 8 58 | 4 21 | 14 15 | 0 32 | 21 22 | 1 43 | 22 50 | 0 23 | 20 37 | 1 35 | 13 21 | 14 46 | 16 19 | 16 37 | 7 18 | 6 35 | 2 1 |
| S 25 | 9 9 | 8 11 | 1 46 | 13 40 | 2 6 | 7 54 | 1 27 | 9 7 | 4 22 | 14 11 | 0 32 | 21 22 | 1 43 | 22 50 | 0 23 | 20 37 | 1 35 | 13 22 | 14 46 | 16 19 | 16 38 | 7 21 | 6 36 | 2 1 |
| S 26 | 8 46 | 1 23 | 3 0 | 13 4 | 2 7 | 7 25 | 1 28 | 9 16 | 4 22 | 14 6 | 0 32 | 21 22 | 1 43 | 22 50 | 0 23 | 20 37 | 1 35 | 13 23 | 14 46 | 16 20 | 16 39 | 7 24 | 6 37 | 2 0 |
| M27 | 8 24 | 5s30 | 4 1 | 12 28 | 2 7 | 6 56 | 1 28 | 9 25 | 4 22 | 14 2 | 0 32 | 21 22 | 1 43 | 22 50 | 0 23 | 20 37 | 1 35 | 13 24 | 14 46 | 16 20 | 16 40 | 7 27 | 6 38 | 2 0 |
| T 28 | 8s 1 | 12s 1 | 4s45 | 11s50 | 2s 7 | 6s27 | 1s28 | 9n34 | 4n22 | 13s57 | 0s32 | 21s22 | 1n43 | 22n50 | 0n23 | 20s37 | 1n36 | 13n25 | 14n47 | 16s21 | 16s41 | 7n31 | 6n39 | 2n 0 |

Julian Day Number = 2801478.5, Delta T = 50m25s
Ecliptic obliquity = 23°19'01, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'05, Lahiri = 37°16'05


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# ASTRODIENST EPHEMERIS for the year 2958
# geocentric

## MARCH 2958 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 36 37 | 10♓22'00 | 4♏22 | 6♓ 6 | 18♓15 | 15°R28 | 24♒16 | 22♐ 8 | 15°R12 | 12♐38 | 0°R19 | 14°R35 | 13♒28 | 9♈14 | 12♈16 | W 1 |
| T 2 | 10 40 33 | 11°22'36 | 18°49 | 7°51 | 19°30 | 15♍ 5 | 24°30 | 22°11 | 15♋11 | 12°39 | 0♎18 | 14♒32 | 13°24 | 9°21 | 12°19 | T 2 |
| F 3 | 10 44 30 | 12°23'11 | 2♐52 | 9°37 | 20°46 | 14°41 | 24°44 | 22°14 | 15°10 | 12°39 | 0°16 | 14°31 | 13°21 | 9°28 | 12°22 | F 3 |
| S 4 | 10 48 26 | 13°23'46 | 16°32 | 11°24 | 22° 1 | 14°17 | 24°58 | 22°17 | 15° 9 | 12°39 | 0°15 | 14°D30 | 13°18 | 9°34 | 12°26 | S 4 |
| S 5 | 10 52 23 | 14°24'19 | 29°49 | 13°12 | 23°16 | 13°53 | 25°11 | 22°20 | 15° 8 | 12°40 | 0°13 | 14°31 | 13°15 | 9°41 | 12°29 | S 5 |
| M 6 | 10 56 19 | 15°24'51 | 12♑45 | 15° 1 | 24°31 | 13°29 | 25°25 | 22°23 | 15° 7 | 12°40 | 0°12 | 14°33 | 13°12 | 9°48 | 12°32 | M 6 |
| T 7 | 11 0 16 | 16°25'21 | 25°24 | 16°50 | 25°46 | 13° 5 | 25°39 | 22°25 | 15° 6 | 12°40 | 0°10 | 14°35 | 13° 8 | 9°55 | 12°36 | T 7 |
| W 8 | 11 4 13 | 17°25'50 | 7♒49 | 18°41 | 27° 1 | 12°41 | 25°53 | 22°28 | 15° 5 | 12°40 | 0° 9 | 14°36 | 13° 5 | 10° 1 | 12°39 | W 8 |
| T 9 | 11 8 9 | 18°26'18 | 20° 3 | 20°32 | 28°16 | 12°18 | 26° 6 | 22°30 | 15° 4 | 12°41 | 0° 7 | 14°R36 | 13° 2 | 10° 8 | 12°42 | T 9 |
| F 10 | 11 12 6 | 19°26'45 | 2♓ 8 | 22°24 | 29°31 | 11°54 | 26°20 | 22°32 | 15° 3 | 12°41 | 0° 6 | 14°34 | 12°59 | 10°15 | 12°46 | F 10 |
| S 11 | 11 16 2 | 20°27'10 | 14° 8 | 24°16 | 0♈46 | 11°31 | 26°34 | 22°35 | 15° 3 | 12°41 | 0° 4 | 14°31 | 12°56 | 10°21 | 12°49 | S 11 |
| S 12 | 11 19 59 | 21°27'33 | 26° 2 | 26°10 | 2° 1 | 11° 8 | 26°47 | 22°37 | 15° 2 | 12°41 | 0° 2 | 14°26 | 12°53 | 10°28 | 12°52 | S 12 |
| M13 | 11 23 55 | 22°27'55 | 7♈54 | 28° 3 | 3°16 | 10°46 | 27° 1 | 22°39 | 15° 2 | 12°41 | 0° 1 | 14°19 | 12°49 | 10°35 | 12°56 | M13 |
| T 14 | 11 27 52 | 23°28'15 | 19°45 | 29°57 | 4°31 | 10°23 | 27°14 | 22°41 | 15° 1 | 12°R41 | 29♍59 | 14°11 | 12°46 | 10°41 | 12°59 | T 14 |
| W15 | 11 31 48 | 24°28'33 | 1♉36 | 1♈52 | 5°46 | 10° 2 | 27°28 | 22°42 | 15° 1 | 12°41 | 29°58 | 14° 3 | 12°43 | 10°48 | 13° 3 | W15 |
| T 16 | 11 35 45 | 25°28'49 | 13°31 | 3°46 | 7° 1 | 9°40 | 27°41 | 22°44 | 15° 0 | 12°41 | 29°56 | 13°56 | 12°40 | 10°55 | 13° 6 | T 16 |
| F 17 | 11 39 42 | 26°29'04 | 25°31 | 5°40 | 8°16 | 9°20 | 27°55 | 22°46 | 15° 0 | 12°41 | 29°55 | 13°50 | 12°37 | 11° 2 | 13° 9 | F 17 |
| S 18 | 11 43 38 | 27°29'16 | 7♊41 | 7°34 | 9°31 | 8°59 | 28° 8 | 22°47 | 15° 0 | 12°41 | 29°53 | 13°46 | 12°34 | 11° 8 | 13°13 | S 18 |
| S 19 | 11 47 35 | 28°29'27 | 20° 4 | 9°27 | 10°45 | 8°39 | 28°21 | 22°49 | 14°59 | 12°41 | 29°51 | 13°44 | 12°30 | 11°15 | 13°16 | S 19 |
| M20 | 11 51 31 | 29°29'36 | 2♋44 | 11°19 | 12° 0 | 8°20 | 28°34 | 22°50 | 14°59 | 12°41 | 29°50 | 13°D44 | 12°27 | 11°22 | 13°20 | M20 |
| T 21 | 11 55 28 | 0♈29'42 | 15°46 | 13°10 | 13°15 | 8° 2 | 28°47 | 22°51 | 14°59 | 12°40 | 29°48 | 13°44 | 12°24 | 11°28 | 13°23 | T 21 |
| W22 | 11 59 24 | 1°29'47 | 29°14 | 14°59 | 14°30 | 7°44 | 29° 1 | 22°52 | 14°59 | 12°40 | 29°47 | 13°46 | 12°21 | 11°35 | 13°27 | W22 |
| T 23 | 12 3 21 | 2°29'49 | 13♌10 | 16°46 | 15°44 | 7°26 | 29°14 | 22°53 | 14°D59 | 12°40 | 29°45 | 13°R46 | 12°18 | 11°42 | 13°31 | T 23 |
| F 24 | 12 7 17 | 3°29'50 | 27°33 | 18°30 | 16°59 | 7°10 | 29°27 | 22°54 | 14°59 | 12°40 | 29°43 | 13°46 | 12°14 | 11°48 | 13°34 | F 24 |
| S 25 | 12 11 14 | 4°29'48 | 12♍23 | 20°12 | 18°14 | 6°54 | 29°39 | 22°55 | 14°59 | 12°39 | 29°42 | 13°43 | 12°11 | 11°55 | 13°38 | S 25 |
| S 26 | 12 15 11 | 5°29'44 | 27°31 | 21°49 | 19°28 | 6°39 | 29°52 | 22°56 | 14°59 | 12°39 | 29°40 | 13°37 | 12° 8 | 12° 2 | 13°41 | S 26 |
| M27 | 12 19 7 | 6°29'38 | 12♎50 | 23°22 | 20°43 | 6°24 | 0♓ 5 | 22°56 | 14°59 | 12°39 | 29°39 | 13°30 | 12° 5 | 12° 9 | 13°45 | M27 |
| T 28 | 12 23 4 | 7°29'31 | 28° 8 | 24°51 | 21°58 | 6°10 | 0°18 | 22°57 | 14°59 | 12°38 | 29°37 | 13°22 | 12° 2 | 12°15 | 13°48 | T 28 |
| W29 | 12 27 0 | 8°29'22 | 13♏14 | 26°14 | 23°12 | 5°57 | 0°31 | 22°57 | 15° 0 | 12°38 | 29°36 | 13°14 | 11°59 | 12°22 | 13°52 | W29 |
| T 30 | 12 30 57 | 9°29'11 | 27°59 | 27°32 | 24°27 | 5°45 | 0°43 | 22°57 | 15° 0 | 12°37 | 29°34 | 13° 6 | 11°55 | 12°29 | 13°55 | T 30 |
| F 31 | 12 34 53 | 10♈28'59 | 12♐16 | 28♈43 | 25♈41 | 5♍34 | 0♓56 | 22♐58 | 15♋ 0 | 12♐37 | 29♍32 | 13♒ 1 | 11♒52 | 12♈35 | 13♈59 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7s39 | 17s45 | 5s 9 | 11s12 | 2s 7 | 5s58 | 1s28 | 9n43 | 4n22 | 13s53 | 0s33 | 21s22 | 1n43 | 22n50 | 0n23 | 20s37 | 1n36 | 13n25 | 14n47 | 16s22 | 16s42 | 7n34 | 6n40 | 2n 0 |
| T 2 | 7 16 | 22 21 | 5 13 | 10 32 | 2 6 | 5 29 | 1 27 | 9 52 | 4 21 | 13 48 | 0 33 | 21 22 | 1 43 | 22 51 | 0 23 | 20 37 | 1 36 | 13 26 | 14 47 | 16 23 | 16 43 | 7 37 | 6 41 | 2 0 |
| F 3 | 6 53 | 25 30 | 4 58 | 9 50 | 2 4 | 4 59 | 1 27 | 10 1 | 4 21 | 13 44 | 0 33 | 21 22 | 1 43 | 22 51 | 0 23 | 20 37 | 1 36 | 13 27 | 14 47 | 16 24 | 16 44 | 7 40 | 6 42 | 2 0 |
| S 4 | 6 30 | 27 3 | 4 26 | 9 8 | 2 2 | 4 29 | 1 27 | 10 10 | 4 21 | 13 39 | 0 33 | 21 22 | 1 43 | 22 51 | 0 23 | 20 37 | 1 36 | 13 28 | 14 47 | 16 24 | 16 45 | 7 43 | 6 43 | 2 0 |
| S 5 | 6 7 | 27 0 | 3 41 | 8 25 | 2 0 | 3 59 | 1 27 | 10 19 | 4 20 | 13 35 | 0 33 | 21 22 | 1 44 | 22 51 | 0 23 | 20 37 | 1 36 | 13 28 | 14 48 | 16 24 | 16 45 | 7 46 | 6 45 | 2 0 |
| M 6 | 5 43 | 25 27 | 2 46 | 7 40 | 1 57 | 3 29 | 1 26 | 10 27 | 4 19 | 13 30 | 0 33 | 21 22 | 1 44 | 22 51 | 0 23 | 20 37 | 1 36 | 13 29 | 14 48 | 16 23 | 16 46 | 7 49 | 6 46 | 1 59 |
| T 7 | 5 20 | 22 38 | 1 43 | 6 55 | 1 53 | 2 59 | 1 26 | 10 36 | 4 19 | 13 26 | 0 33 | 21 22 | 1 44 | 22 51 | 0 23 | 20 37 | 1 36 | 13 30 | 14 48 | 16 23 | 16 47 | 7 52 | 6 47 | 1 59 |
| W 8 | 4 56 | 18 49 | 0 37 | 6 8 | 1 49 | 2 29 | 1 25 | 10 44 | 4 18 | 13 21 | 0 33 | 21 22 | 1 44 | 22 51 | 0 23 | 20 37 | 1 36 | 13 31 | 14 48 | 16 22 | 16 48 | 7 55 | 6 48 | 1 59 |
| T 9 | 4 33 | 14 15 | 0n30 | 5 21 | 1 45 | 1 59 | 1 25 | 10 52 | 4 17 | 13 17 | 0 33 | 21 22 | 1 44 | 22 51 | 0 23 | 20 37 | 1 36 | 13 32 | 14 48 | 16 22 | 16 49 | 7 58 | 6 49 | 1 59 |
| F 10 | 4 9 | 9 11 | 1 34 | 4 32 | 1 40 | 1 29 | 1 24 | 11 0 | 4 16 | 13 12 | 0 34 | 21 22 | 1 44 | 22 51 | 0 23 | 20 37 | 1 36 | 13 32 | 14 49 | 16 23 | 16 50 | 8 1 | 6 51 | 1 59 |
| S 11 | 3 46 | 3 51 | 2 34 | 3 42 | 1 34 | 0 58 | 1 23 | 11 8 | 4 14 | 13 8 | 0 34 | 21 22 | 1 44 | 22 51 | 0 23 | 20 37 | 1 36 | 13 33 | 14 49 | 16 24 | 16 51 | 8 4 | 6 52 | 1 59 |
| S 12 | 3 22 | 1n36 | 3 26 | 2 52 | 1 28 | 0 28 | 1 23 | 11 15 | 4 13 | 13 3 | 0 34 | 21 22 | 1 44 | 22 51 | 0 23 | 20 37 | 1 36 | 13 34 | 14 49 | 16 25 | 16 52 | 8 7 | 6 53 | 1 59 |
| M13 | 2 59 | 6 56 | 4 9 | 2 1 | 1 21 | 0n 3 | 1 22 | 11 23 | 4 12 | 12 59 | 0 34 | 21 22 | 1 45 | 22 51 | 0 23 | 20 37 | 1 36 | 13 35 | 14 49 | 16 27 | 16 53 | 8 11 | 6 54 | 1 59 |
| T 14 | 2 35 | 12 2 | 4 42 | 1 9 | 1 14 | 0 33 | 1 21 | 11 30 | 4 10 | 12 54 | 0 34 | 21 22 | 1 45 | 22 52 | 0 23 | 20 37 | 1 36 | 13 35 | 14 49 | 16 29 | 16 54 | 8 14 | 6 55 | 1 59 |
| W15 | 2 11 | 16 41 | 5 2 | 0 16 | 1 6 | 1 3 | 1 20 | 11 37 | 4 9 | 12 50 | 0 34 | 21 22 | 1 45 | 22 52 | 0 23 | 20 37 | 1 36 | 13 36 | 14 49 | 16 32 | 16 54 | 8 17 | 6 57 | 1 58 |
| T 16 | 1 47 | 20 43 | 5 9 | 0n37 | 0 57 | 1 34 | 1 19 | 11 43 | 4 7 | 12 45 | 0 34 | 21 22 | 1 45 | 22 52 | 0 23 | 20 37 | 1 36 | 13 37 | 14 49 | 16 34 | 16 55 | 8 20 | 6 58 | 1 58 |
| F 17 | 1 23 | 23 56 | 5 3 | 1 30 | 0 48 | 2 4 | 1 18 | 11 49 | 4 5 | 12 41 | 0 34 | 21 22 | 1 45 | 22 52 | 0 23 | 20 37 | 1 36 | 13 37 | 14 49 | 16 35 | 16 56 | 8 23 | 6 59 | 1 58 |
| S 18 | 1 0 | 26 8 | 4 43 | 2 24 | 0 39 | 2 34 | 1 17 | 11 55 | 4 4 | 12 36 | 0 34 | 21 22 | 1 45 | 22 52 | 0 23 | 20 36 | 1 36 | 13 38 | 14 49 | 16 37 | 16 57 | 8 26 | 7 0 | 1 58 |
| S 19 | 0 36 | 27 5 | 4 9 | 3 17 | 0 28 | 3 5 | 1 15 | 12 1 | 4 2 | 12 32 | 0 35 | 21 22 | 1 45 | 22 52 | 0 23 | 20 36 | 1 36 | 13 39 | 14 50 | 16 37 | 16 58 | 8 29 | 7 2 | 1 58 |
| M20 | 0 12 | 26 40 | 3 23 | 4 11 | 0 18 | 3 35 | 1 14 | 12 7 | 4 0 | 12 27 | 0 35 | 21 22 | 1 45 | 22 52 | 0 23 | 20 36 | 1 37 | 13 40 | 14 50 | 16 37 | 16 59 | 8 32 | 7 3 | 1 58 |
| T 21 | 0n12 | 24 48 | 2 25 | 5 5 | 0 6 | 4 5 | 1 13 | 12 12 | 3 58 | 12 23 | 0 35 | 21 22 | 1 46 | 22 52 | 0 23 | 20 36 | 1 37 | 13 40 | 14 50 | 16 37 | 17 0 | 8 35 | 7 4 | 1 58 |
| W22 | 0 36 | 21 28 | 1 18 | 5 57 | 0n 5 | 4 35 | 1 11 | 12 17 | 3 56 | 12 18 | 0 35 | 21 22 | 1 46 | 22 52 | 0 23 | 20 36 | 1 37 | 13 41 | 14 50 | 16 37 | 17 1 | 8 38 | 7 6 | 1 58 |
| T 23 | 0 59 | 16 50 | 0 3 | 6 50 | 0 17 | 5 5 | 1 10 | 12 21 | 3 54 | 12 14 | 0 35 | 21 22 | 1 46 | 22 52 | 0 23 | 20 36 | 1 37 | 13 42 | 14 50 | 16 36 | 17 1 | 8 41 | 7 7 | 1 58 |
| F 24 | 1 23 | 11 6 | 1s14 | 7 41 | 0 30 | 5 35 | 1 8 | 12 25 | 3 52 | 12 10 | 0 35 | 21 22 | 1 46 | 22 52 | 0 23 | 20 36 | 1 37 | 13 42 | 14 50 | 16 37 | 17 2 | 8 44 | 7 8 | 1 58 |
| S 25 | 1 47 | 4 36 | 2 28 | 8 31 | 0 42 | 6 5 | 1 7 | 12 29 | 3 50 | 12 5 | 0 35 | 21 22 | 1 46 | 22 52 | 0 23 | 20 36 | 1 37 | 13 43 | 14 50 | 16 38 | 17 3 | 8 47 | 7 9 | 1 58 |
| S 26 | 2 10 | 2s17 | 3 33 | 9 19 | 0 55 | 6 34 | 1 5 | 12 33 | 3 47 | 12 1 | 0 36 | 21 22 | 1 46 | 22 52 | 0 23 | 20 36 | 1 37 | 13 44 | 14 50 | 16 39 | 17 4 | 8 50 | 7 11 | 1 57 |
| M27 | 2 34 | 9 5 | 4 23 | 10 6 | 1 8 | 7 4 | 1 4 | 12 36 | 3 45 | 11 56 | 0 36 | 21 22 | 1 46 | 22 52 | 0 23 | 20 36 | 1 37 | 13 44 | 14 50 | 16 41 | 17 5 | 8 53 | 7 12 | 1 57 |
| T 28 | 2 57 | 15 21 | 4 55 | 10 50 | 1 21 | 7 33 | 1 2 | 12 39 | 3 43 | 11 52 | 0 36 | 21 22 | 1 46 | 22 52 | 0 23 | 20 36 | 1 37 | 13 45 | 14 50 | 16 43 | 17 6 | 8 56 | 7 13 | 1 57 |
| W29 | 3 21 | 20 35 | 5 6 | 11 33 | 1 34 | 8 2 | 1 0 | 12 42 | 3 40 | 11 48 | 0 36 | 21 21 | 1 47 | 22 51 | 0 23 | 20 36 | 1 37 | 13 45 | 14 50 | 16 46 | 17 7 | 8 59 | 7 15 | 1 57 |
| T 30 | 3 44 | 24 24 | 4 55 | 12 12 | 1 47 | 8 31 | 0 58 | 12 44 | 3 38 | 11 43 | 0 36 | 21 21 | 1 47 | 22 51 | 0 23 | 20 35 | 1 37 | 13 46 | 14 50 | 16 48 | 17 8 | 9 2 | 7 16 | 1 57 |
| F 31 | 4n 8 | 26s34 | 4s27 | 12n49 | 1n59 | 9n 0 | 0s56 | 12n46 | 3n36 | 11s39 | 0s36 | 21s21 | 1n47 | 22n51 | 0n23 | 20s35 | 1n37 | 13n47 | 14n50 | 16s49 | 17s 9 | 9n 5 | 7n17 | 1n57 |

Julian Day Number = 2801506.5, Delta T = 50m26s
Ecliptic obliquity = 23°19'01, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'08, Lahiri = 37°16'09


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# ASTRODIENST EPHEMERIS for the year 2958
# geocentric

## APRIL 2958 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 38 50 | 11♈28'45 | 26♐ 5 | 29♈48 | 26♈56 | 5°R23 | 1♓ 8 | 22°R58 | 15♋ 1 | 12°R36 | 29°R31 | 12°R57 | 11♒49 | 12♈42 | 14♈ 3 | S 1 |
| S 2 | 12 42 46 | 12°28'29 | 9♉25 | 0♉46 | 28°10 | 5♍13 | 1°21 | 22♐58 | 15° 1 | 12♐36 | 29♍29 | 12°D56 | 11°46 | 12°49 | 14° 6 | S 2 |
| M 3 | 12 46 43 | 13°28'12 | 22°20 | 1°37 | 29°24 | 5° 4 | 1°33 | 22°58 | 15° 2 | 12°35 | 29°28 | 12♒56 | 11°43 | 12°56 | 14°10 | M 3 |
| T 4 | 12 50 39 | 14°27'52 | 4♒53 | 2°20 | 0♉39 | 4°55 | 1°45 | 22°57 | 15° 3 | 12°34 | 29°26 | 12°57 | 11°39 | 13° 2 | 14°13 | T 4 |
| W 5 | 12 54 36 | 15°27'32 | 17°10 | 2°56 | 1°53 | 4°48 | 1°57 | 22°57 | 15° 3 | 12°34 | 29°25 | 12°R57 | 11°36 | 13° 9 | 14°17 | W 5 |
| T 6 | 12 58 33 | 16°27'09 | 29°15 | 3°23 | 3° 8 | 4°41 | 2°10 | 22°57 | 15° 4 | 12°33 | 29°23 | 12°56 | 11°33 | 13°16 | 14°21 | T 6 |
| F 7 | 13 2 29 | 17°26'45 | 11♓11 | 3°43 | 4°22 | 4°35 | 2°22 | 22°56 | 15° 5 | 12°32 | 29°22 | 12°52 | 11°30 | 13°22 | 14°24 | F 7 |
| S 8 | 13 6 26 | 18°26'19 | 23° 4 | 3°54 | 5°36 | 4°30 | 2°34 | 22°55 | 15° 5 | 12°31 | 29°20 | 12°46 | 11°27 | 13°29 | 14°28 | S 8 |
| S 9 | 13 10 22 | 19°25'51 | 4♈54 | 3°R58 | 6°50 | 4°25 | 2°46 | 22°55 | 15° 6 | 12°31 | 29°19 | 12°36 | 11°24 | 13°36 | 14°31 | S 9 |
| M10 | 13 14 19 | 20°25'21 | 16°44 | 3°54 | 8° 5 | 4°21 | 2°57 | 22°54 | 15° 7 | 12°30 | 29°17 | 12°25 | 11°20 | 13°42 | 14°35 | M10 |
| T 11 | 13 18 15 | 21°24'49 | 28°37 | 3°42 | 9°19 | 4°19 | 3° 9 | 22°53 | 15° 8 | 12°29 | 29°16 | 12°12 | 11°17 | 13°49 | 14°39 | T 11 |
| W12 | 13 22 12 | 22°24'15 | 10♉32 | 3°24 | 10°33 | 4°16 | 3°21 | 22°52 | 15° 9 | 12°28 | 29°14 | 11°58 | 11°14 | 13°56 | 14°42 | W12 |
| T 13 | 13 26 8 | 23°23'39 | 22°32 | 2°59 | 11°47 | 4°15 | 3°32 | 22°51 | 15°10 | 12°27 | 29°13 | 11°46 | 11°11 | 14° 3 | 14°46 | T 13 |
| F 14 | 13 30 5 | 24°23'01 | 4♊39 | 2°28 | 13° 1 | 4°D14 | 3°44 | 22°50 | 15°11 | 12°26 | 29°12 | 11°35 | 11° 8 | 14° 9 | 14°49 | F 14 |
| S 15 | 13 34 2 | 25°22'21 | 16°54 | 1°52 | 14°15 | 4°14 | 3°55 | 22°48 | 15°13 | 12°25 | 29°10 | 11°26 | 11° 5 | 14°16 | 14°53 | S 15 |
| S 16 | 13 37 58 | 26°21'39 | 29°19 | 1°12 | 15°29 | 4°15 | 4° 6 | 22°47 | 15°14 | 12°24 | 29° 9 | 11°21 | 11° 1 | 14°23 | 14°56 | S 16 |
| M17 | 13 41 55 | 27°20'54 | 11♋59 | 0°28 | 16°43 | 4°17 | 4°18 | 22°45 | 15°15 | 12°23 | 29° 7 | 11°18 | 10°58 | 14°29 | 15° 0 | M17 |
| T 18 | 13 45 51 | 28°20'07 | 24°57 | 29♈42 | 17°57 | 4°19 | 4°29 | 22°44 | 15°16 | 12°22 | 29° 6 | 11°D17 | 10°55 | 14°36 | 15° 3 | T 18 |
| W19 | 13 49 48 | 29°19'18 | 8♌17 | 28°54 | 19°11 | 4°22 | 4°40 | 22°42 | 15°18 | 12°21 | 29° 5 | 11°R17 | 10°52 | 14°43 | 15° 7 | W19 |
| T 20 | 13 53 44 | 0♉18'27 | 22° 1 | 28° 5 | 20°25 | 4°26 | 4°51 | 22°40 | 15°19 | 12°20 | 29° 3 | 11°17 | 10°49 | 14°50 | 15°10 | T 20 |
| F 21 | 13 57 41 | 1°17'33 | 6♍12 | 27°17 | 21°39 | 4°30 | 5° 1 | 22°38 | 15°21 | 12°19 | 29° 2 | 11°15 | 10°45 | 14°56 | 15°14 | F 21 |
| S 22 | 14 1 37 | 2°16'37 | 20°49 | 26°30 | 22°53 | 4°35 | 5°12 | 22°36 | 15°22 | 12°18 | 29° 1 | 11°11 | 10°42 | 15° 3 | 15°17 | S 22 |
| S 23 | 14 5 34 | 3°15'38 | 5♎47 | 25°45 | 24° 6 | 4°41 | 5°23 | 22°34 | 15°24 | 12°17 | 28°59 | 11° 4 | 10°39 | 15°10 | 15°21 | S 23 |
| M24 | 14 9 31 | 4°14'38 | 21° 0 | 25° 3 | 25°20 | 4°47 | 5°33 | 22°32 | 15°25 | 12°16 | 28°58 | 10°55 | 10°36 | 15°16 | 15°24 | M24 |
| T 25 | 14 13 27 | 5°13'36 | 6♏17 | 24°25 | 26°34 | 4°54 | 5°44 | 22°30 | 15°27 | 12°14 | 28°57 | 10°44 | 10°33 | 15°23 | 15°28 | T 25 |
| W26 | 14 17 24 | 6°12'31 | 21°27 | 23°50 | 27°47 | 5° 1 | 5°54 | 22°28 | 15°29 | 12°13 | 28°56 | 10°32 | 10°30 | 15°30 | 15°31 | W26 |
| T 27 | 14 21 20 | 7°11'25 | 6♐19 | 23°20 | 29° 1 | 5°10 | 6° 4 | 22°25 | 15°31 | 12°12 | 28°55 | 10°22 | 10°26 | 15°36 | 15°34 | T 27 |
| F 28 | 14 25 17 | 8°10'17 | 20°46 | 22°55 | 0♊15 | 5°18 | 6°14 | 22°23 | 15°32 | 12°11 | 28°53 | 10°14 | 10°23 | 15°43 | 15°38 | F 28 |
| S 29 | 14 29 13 | 9° 9'08 | 4♑44 | 22°34 | 1°28 | 5°28 | 6°24 | 22°20 | 15°34 | 12° 9 | 28°52 | 10° 9 | 10°20 | 15°50 | 15°41 | S 29 |
| S 30 | 14 33 10 | 10♉ 7'56 | 18♑12 | 22♈19 | 2♊42 | 5♍38 | 6♓34 | 22♐18 | 15♋36 | 12♐ 8 | 28♍51 | 10♒ 6 | 10♒17 | 15♈57 | 15♈45 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n31 | 26s59 | 3s44 | 13n24 | 2n11 | 9n29 | 0s54 | 12n48 | 3n33 | 11s35 | 0s36 | 21s21 | 1n47 | 22n51 | 0n23 | 20s35 | 1n37 | 13n47 | 14n50 | 16s50 | 17s 9 | 9n 8 | 7n19 | 1n57 |
| S 2 | 4 54 | 25 48 | 2 49 | 13 54 | 2 22 | 9 57 | 0 53 | 12 49 | 3 31 | 11 31 | 0 37 | 21 21 | 1 47 | 22 51 | 0 23 | 20 35 | 1 37 | 13 48 | 14 50 | 16 51 | 17 10 | 9 11 | 7 20 | 1 57 |
| M 3 | 5 17 | 23 15 | 1 48 | 14 22 | 2 33 | 10 25 | 0 50 | 12 50 | 3 28 | 11 26 | 0 37 | 21 21 | 1 47 | 22 51 | 0 23 | 20 35 | 1 37 | 13 48 | 14 50 | 16 51 | 17 11 | 9 14 | 7 21 | 1 57 |
| T 4 | 5 40 | 19 39 | 0 43 | 14 46 | 2 43 | 10 53 | 0 48 | 12 51 | 3 26 | 11 22 | 0 37 | 21 21 | 1 47 | 22 51 | 0 23 | 20 35 | 1 37 | 13 49 | 14 50 | 16 50 | 17 12 | 9 17 | 7 23 | 1 57 |
| W 5 | 6 3 | 15 15 | 0n22 | 15 7 | 2 52 | 11 21 | 0 46 | 12 51 | 3 23 | 11 18 | 0 37 | 21 21 | 1 47 | 22 51 | 0 23 | 20 35 | 1 37 | 13 49 | 14 50 | 16 50 | 17 13 | 9 20 | 7 24 | 1 57 |
| T 6 | 6 26 | 10 20 | 1 26 | 15 23 | 2 59 | 11 48 | 0 44 | 12 52 | 3 21 | 11 14 | 0 37 | 21 20 | 1 47 | 22 51 | 0 23 | 20 35 | 1 37 | 13 50 | 14 50 | 16 51 | 17 14 | 9 23 | 7 25 | 1 57 |
| F 7 | 6 49 | 5 6 | 2 24 | 15 36 | 3 6 | 12 15 | 0 42 | 12 51 | 3 18 | 11 10 | 0 37 | 21 20 | 1 48 | 22 51 | 0 23 | 20 34 | 1 37 | 13 50 | 14 50 | 16 52 | 17 15 | 9 26 | 7 27 | 1 57 |
| S 8 | 7 12 | 0n16 | 3 16 | 15 45 | 3 11 | 12 42 | 0 40 | 12 51 | 3 16 | 11 6 | 0 37 | 21 20 | 1 48 | 22 51 | 0 23 | 20 34 | 1 37 | 13 51 | 14 49 | 16 54 | 17 16 | 9 29 | 7 28 | 1 56 |
| S 9 | 7 34 | 5 36 | 3 59 | 15 50 | 3 15 | 13 8 | 0 38 | 12 50 | 3 13 | 11 1 | 0 38 | 21 20 | 1 48 | 22 51 | 0 23 | 20 34 | 1 37 | 13 51 | 14 49 | 16 56 | 17 16 | 9 32 | 7 29 | 1 56 |
| M10 | 7 56 | 10 44 | 4 32 | 15 51 | 3 18 | 13 34 | 0 35 | 12 49 | 3 11 | 10 57 | 0 38 | 21 20 | 1 48 | 22 50 | 0 23 | 20 34 | 1 38 | 13 52 | 14 49 | 17 0 | 17 17 | 9 35 | 7 31 | 1 56 |
| T 11 | 8 19 | 15 29 | 4 53 | 15 48 | 3 18 | 14 0 | 0 33 | 12 48 | 3 8 | 10 53 | 0 38 | 21 20 | 1 48 | 22 50 | 0 23 | 20 34 | 1 38 | 13 52 | 14 49 | 17 3 | 17 18 | 9 38 | 7 32 | 1 56 |
| W12 | 8 41 | 19 40 | 5 1 | 15 41 | 3 18 | 14 26 | 0 31 | 12 47 | 3 6 | 10 49 | 0 38 | 21 20 | 1 48 | 22 50 | 0 23 | 20 34 | 1 38 | 13 53 | 14 49 | 17 7 | 17 19 | 9 41 | 7 33 | 1 56 |
| T 13 | 9 3 | 23 5 | 4 56 | 15 30 | 3 15 | 14 51 | 0 28 | 12 45 | 3 3 | 10 45 | 0 38 | 21 19 | 1 48 | 22 50 | 0 23 | 20 34 | 1 38 | 13 53 | 14 49 | 17 10 | 17 20 | 9 44 | 7 35 | 1 56 |
| F 14 | 9 24 | 25 30 | 4 37 | 15 15 | 3 11 | 15 15 | 0 26 | 12 43 | 3 1 | 10 41 | 0 38 | 21 19 | 1 48 | 22 50 | 0 23 | 20 33 | 1 38 | 13 54 | 14 49 | 17 13 | 17 21 | 9 47 | 7 36 | 1 56 |
| S 15 | 9 46 | 26 45 | 4 6 | 14 57 | 3 5 | 15 40 | 0 23 | 12 40 | 2 58 | 10 37 | 0 39 | 21 19 | 1 48 | 22 50 | 0 23 | 20 33 | 1 38 | 13 54 | 14 49 | 17 16 | 17 22 | 9 50 | 7 37 | 1 56 |
| S 16 | 10 7 | 26 42 | 3 23 | 14 36 | 2 57 | 16 4 | 0 21 | 12 38 | 2 56 | 10 33 | 0 39 | 21 19 | 1 49 | 22 50 | 0 23 | 20 33 | 1 38 | 13 55 | 14 48 | 17 17 | 17 22 | 9 53 | 7 38 | 1 56 |
| M17 | 10 29 | 25 15 | 2 28 | 14 12 | 2 48 | 16 27 | 0 18 | 12 35 | 2 53 | 10 29 | 0 39 | 21 19 | 1 49 | 22 50 | 0 23 | 20 33 | 1 38 | 13 55 | 14 48 | 17 18 | 17 23 | 9 56 | 7 40 | 1 56 |
| T 18 | 10 50 | 22 26 | 1 25 | 13 46 | 2 37 | 16 51 | 0 16 | 12 32 | 2 51 | 10 26 | 0 39 | 21 18 | 1 49 | 22 49 | 0 23 | 20 33 | 1 38 | 13 55 | 14 48 | 17 18 | 17 24 | 9 59 | 7 41 | 1 56 |
| W19 | 11 11 | 18 21 | 0 16 | 13 17 | 2 25 | 17 13 | 0 13 | 12 28 | 2 48 | 10 22 | 0 39 | 21 18 | 1 49 | 22 49 | 0 23 | 20 33 | 1 38 | 13 56 | 14 48 | 17 18 | 17 25 | 10 2 | 7 42 | 1 56 |
| T 20 | 11 31 | 13 12 | 0s57 | 12 48 | 2 12 | 17 35 | 0 11 | 12 25 | 2 46 | 10 18 | 0 39 | 21 18 | 1 49 | 22 49 | 0 23 | 20 32 | 1 38 | 13 56 | 14 48 | 17 18 | 17 26 | 10 5 | 7 44 | 1 56 |
| F 21 | 11 52 | 7 13 | 2 8 | 12 17 | 1 58 | 17 57 | 0 8 | 12 21 | 2 44 | 10 14 | 0 40 | 21 18 | 1 49 | 22 49 | 0 23 | 20 32 | 1 38 | 13 56 | 14 48 | 17 19 | 17 27 | 10 8 | 7 45 | 1 56 |
| S 22 | 12 12 | 0 40 | 3 13 | 11 46 | 1 42 | 18 19 | 0 5 | 12 17 | 2 41 | 10 10 | 0 40 | 21 18 | 1 49 | 22 49 | 0 23 | 20 32 | 1 38 | 13 57 | 14 47 | 17 20 | 17 28 | 10 11 | 7 46 | 1 56 |
| S 23 | 12 32 | 6s 3 | 4 6 | 11 15 | 1 26 | 18 40 | 0 3 | 12 13 | 2 39 | 10 7 | 0 40 | 21 18 | 1 49 | 22 48 | 0 23 | 20 32 | 1 38 | 13 57 | 14 47 | 17 22 | 17 29 | 10 14 | 7 48 | 1 56 |
| M24 | 12 52 | 12 31 | 4 43 | 10 44 | 1 10 | 19 0 | 0 0 | 12 8 | 2 36 | 10 3 | 0 40 | 21 17 | 1 49 | 22 48 | 0 23 | 20 32 | 1 38 | 13 57 | 14 47 | 17 24 | 17 29 | 10 17 | 7 49 | 1 56 |
| T 25 | 13 12 | 18 15 | 4 59 | 10 15 | 0 54 | 19 20 | 0n 3 | 12 4 | 2 34 | 9 59 | 0 40 | 21 17 | 1 49 | 22 48 | 0 23 | 20 31 | 1 38 | 13 58 | 14 47 | 17 27 | 17 30 | 10 20 | 7 50 | 1 56 |
| W26 | 13 31 | 22 46 | 4 55 | 9 46 | 0 37 | 19 39 | 0 5 | 11 59 | 2 32 | 9 56 | 0 40 | 21 17 | 1 50 | 22 48 | 0 23 | 20 31 | 1 38 | 13 58 | 14 47 | 17 30 | 17 31 | 10 23 | 7 51 | 1 56 |
| T 27 | 13 51 | 25 41 | 4 30 | 9 20 | 0 20 | 19 58 | 0 8 | 11 54 | 2 30 | 9 52 | 0 41 | 21 17 | 1 50 | 22 48 | 0 23 | 20 31 | 1 38 | 13 58 | 14 46 | 17 33 | 17 32 | 10 25 | 7 53 | 1 56 |
| F 28 | 14 10 | 26 48 | 3 49 | 8 55 | 0 4 | 20 16 | 0 11 | 11 48 | 2 27 | 9 49 | 0 41 | 21 16 | 1 50 | 22 47 | 0 23 | 20 31 | 1 38 | 13 59 | 14 46 | 17 35 | 17 33 | 10 28 | 7 54 | 1 56 |
| S 29 | 14 28 | 26 9 | 2 55 | 8 33 | 0s12 | 20 34 | 0 13 | 11 43 | 2 25 | 9 45 | 0 41 | 21 16 | 1 50 | 22 47 | 0 23 | 20 31 | 1 38 | 13 59 | 14 46 | 17 37 | 17 34 | 10 31 | 7 55 | 1 56 |
| S 30 | 14n47 | 23s57 | 1s53 | 8n13 | 0s28 | 20n51 | 0n16 | 11n37 | 2n23 | 9s42 | 0s41 | 21s16 | 1n50 | 22n47 | 0n23 | 20s30 | 1n38 | 13n59 | 14n46 | 17s37 | 17s35 | 10n34 | 7n57 | 1n55 |

Julian Day Number = 2801537.5, Delta T = 50m26s
Ecliptic obliquity = 23°19'01, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'13, Lahiri = 37°16'13


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# ASTRODIENST EPHEMERIS for the year 2958
# geocentric

## MAY 2958 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 37 6 | 11♉ 6'43 | 1♒12 | 22°R 9 | 3♊55 | 5♍48 | 6♓44 | 22°R15 | 15♋38 | 12°R 7 | 28°R50 | 10°R 5 | 10♒14 | 16♈ 3 | 15♈48 | M 1 |
| T 2 | 14 41 3 | 12° 5'28 | 13°47 | 22°D 5 | 5° 9 | 5°59 | 6°53 | 22♐12 | 15°40 | 12♐ 5 | 28♍49 | 10♒ 5 | 10°11 | 16°10 | 15°51 | T 2 |
| W 3 | 14 45 0 | 13° 4'12 | 26° 4 | 22♈ 5 | 6°22 | 6°11 | 7° 3 | 22° 9 | 15°42 | 12° 4 | 28°48 | 10° 4 | 10° 7 | 16°17 | 15°54 | W 3 |
| T 4 | 14 48 56 | 14° 2'54 | 8♓ 7 | 22°11 | 7°35 | 6°23 | 7°12 | 22° 6 | 15°44 | 12° 3 | 28°47 | 10° 3 | 10° 4 | 16°23 | 15°58 | T 4 |
| F 5 | 14 52 53 | 15° 1'34 | 20° 2 | 22°21 | 8°49 | 6°35 | 7°22 | 22° 3 | 15°46 | 12° 1 | 28°46 | 9°59 | 10° 1 | 16°30 | 16° 1 | F 5 |
| S 6 | 14 56 49 | 16° 0'12 | 1♈52 | 22°37 | 10° 2 | 6°49 | 7°31 | 22° 0 | 15°48 | 12° 0 | 28°45 | 9°52 | 9°58 | 16°37 | 16° 4 | S 6 |
| S 7 | 15 0 46 | 16°58'49 | 13°41 | 22°57 | 11°15 | 7° 2 | 7°40 | 21°57 | 15°51 | 11°58 | 28°44 | 9°42 | 9°55 | 16°44 | 16° 7 | S 7 |
| M 8 | 15 4 42 | 17°57'24 | 25°33 | 23°22 | 12°28 | 7°16 | 7°49 | 21°54 | 15°53 | 11°57 | 28°43 | 9°30 | 9°51 | 16°50 | 16°11 | M 8 |
| T 9 | 15 8 39 | 18°55'58 | 7♉29 | 23°51 | 13°42 | 7°31 | 7°58 | 21°50 | 15°55 | 11°56 | 28°42 | 9°17 | 9°48 | 16°57 | 16°14 | T 9 |
| W10 | 15 12 35 | 19°54'29 | 19°32 | 24°24 | 14°55 | 7°46 | 8° 6 | 21°47 | 15°57 | 11°54 | 28°41 | 9° 3 | 9°45 | 17° 4 | 16°17 | W10 |
| T 11 | 15 16 32 | 20°52'59 | 1♊41 | 25° 1 | 16° 8 | 8° 2 | 8°15 | 21°43 | 16° 0 | 11°53 | 28°40 | 8°50 | 9°42 | 17°10 | 16°20 | T 11 |
| F 12 | 15 20 29 | 21°51'27 | 13°59 | 25°42 | 17°21 | 8°18 | 8°23 | 21°40 | 16° 2 | 11°51 | 28°40 | 8°38 | 9°39 | 17°17 | 16°23 | F 12 |
| S 13 | 15 24 25 | 22°49'53 | 26°26 | 26°27 | 18°34 | 8°34 | 8°31 | 21°36 | 16° 5 | 11°50 | 28°39 | 8°29 | 9°36 | 17°24 | 16°26 | S 13 |
| S 14 | 15 28 22 | 23°48'17 | 9♋ 3 | 27°15 | 19°47 | 8°51 | 8°40 | 21°33 | 16° 7 | 11°48 | 28°38 | 8°23 | 9°32 | 17°31 | 16°29 | S 14 |
| M15 | 15 32 18 | 24°46'40 | 21°52 | 28° 6 | 21° 0 | 9° 8 | 8°48 | 21°29 | 16°10 | 11°47 | 28°37 | 8°20 | 9°29 | 17°37 | 16°32 | M15 |
| T 16 | 15 36 15 | 25°45'00 | 4♌55 | 29° 1 | 22°13 | 9°26 | 8°55 | 21°25 | 16°12 | 11°45 | 28°37 | 8°D19 | 9°26 | 17°44 | 16°35 | T 16 |
| W17 | 15 40 11 | 26°43'18 | 18°15 | 29°59 | 23°25 | 9°44 | 9° 3 | 21°21 | 16°15 | 11°43 | 28°36 | 8°19 | 9°23 | 17°51 | 16°38 | W17 |
| T 18 | 15 44 8 | 27°41'34 | 1♍55 | 1♉ 0 | 24°38 | 10° 3 | 9°11 | 21°17 | 16°17 | 11°42 | 28°35 | 8°R19 | 9°20 | 17°57 | 16°41 | T 18 |
| F 19 | 15 48 4 | 28°39'48 | 15°55 | 2° 3 | 25°51 | 10°22 | 9°18 | 21°13 | 16°20 | 11°40 | 28°35 | 8°18 | 9°17 | 18° 4 | 16°44 | F 19 |
| S 20 | 15 52 1 | 29°38'00 | 0♎16 | 3° 9 | 27° 4 | 10°41 | 9°25 | 21°10 | 16°23 | 11°39 | 28°34 | 8°15 | 9°13 | 18°11 | 16°47 | S 20 |
| S 21 | 15 55 58 | 0♊36'10 | 14°56 | 4°18 | 28°16 | 11° 1 | 9°32 | 21° 5 | 16°25 | 11°37 | 28°33 | 8° 9 | 9°10 | 18°18 | 16°49 | S 21 |
| M22 | 15 59 54 | 1°34'18 | 29°49 | 5°30 | 29°29 | 11°21 | 9°39 | 21° 1 | 16°28 | 11°36 | 28°33 | 8° 1 | 9° 7 | 18°24 | 16°52 | M22 |
| T 23 | 16 3 51 | 2°32'24 | 14♏48 | 6°44 | 0♋41 | 11°42 | 9°46 | 20°57 | 16°31 | 11°34 | 28°32 | 7°52 | 9° 4 | 18°31 | 16°55 | T 23 |
| W24 | 16 7 47 | 3°30'29 | 29°44 | 8° 0 | 1°54 | 12° 2 | 9°53 | 20°53 | 16°34 | 11°32 | 28°32 | 7°42 | 9° 1 | 18°38 | 16°58 | W24 |
| T 25 | 16 11 44 | 4°28'32 | 14♐28 | 9°19 | 3° 6 | 12°24 | 9°59 | 20°49 | 16°37 | 11°31 | 28°31 | 7°33 | 8°57 | 18°44 | 17° 0 | T 25 |
| F 26 | 16 15 40 | 5°26'34 | 28°51 | 10°40 | 4°19 | 12°45 | 10° 6 | 20°45 | 16°40 | 11°29 | 28°31 | 7°26 | 8°54 | 18°51 | 17° 3 | F 26 |
| S 27 | 16 19 37 | 6°24'34 | 12♑49 | 12° 4 | 5°31 | 13° 7 | 10°12 | 20°41 | 16°42 | 11°28 | 28°31 | 7°22 | 8°51 | 18°58 | 17° 6 | S 27 |
| S 28 | 16 23 33 | 7°22'33 | 26°20 | 13°30 | 6°43 | 13°29 | 10°18 | 20°36 | 16°45 | 11°26 | 28°30 | 7°19 | 8°48 | 19° 5 | 17° 8 | S 28 |
| M29 | 16 27 30 | 8°20'30 | 9♒24 | 14°58 | 7°56 | 13°51 | 10°24 | 20°32 | 16°48 | 11°24 | 28°30 | 7°D19 | 8°45 | 19°11 | 17°11 | M29 |
| T 30 | 16 31 27 | 9°18'26 | 22° 4 | 16°28 | 9° 8 | 14°14 | 10°30 | 20°28 | 16°51 | 11°23 | 28°30 | 7°19 | 8°42 | 19°18 | 17°13 | T 30 |
| W31 | 16 35 23 | 10♊16'21 | 4♓25 | 18♉ 0 | 10♋20 | 14♍37 | 10♓35 | 20♐23 | 16♋54 | 11♐21 | 28♍29 | 7♒20 | 8♒38 | 19♈25 | 17♈16 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15n 5 | 20s33 | 0s47 | 7n55 | 0s43 | 21n 8 | 0n19 | 11n31 | 2n21 | 9s38 | 0s41 | 21s16 | 1n50 | 22n47 | 0n23 | 20s30 | 1n38 | 13n59 | 14n45 | 17s38 | 17s35 | 10n37 | 7n58 | 1n55 |
| T 2 | 15 23 | 16 17 | 0n20 | 7 40 | 0 57 | 21 24 | 0 21 | 11 25 | 2 18 | 9 35 | 0 42 | 21 16 | 1 50 | 22 47 | 0 23 | 20 30 | 1 38 | 13 59 | 14 45 | 17 38 | 17 36 | 10 40 | 7 59 | 1 55 |
| W 3 | 15 41 | 11 27 | 1 24 | 7 27 | 1 11 | 21 39 | 0 24 | 11 19 | 2 16 | 9 32 | 0 42 | 21 15 | 1 50 | 22 46 | 0 23 | 20 30 | 1 38 | 14 0 | 14 45 | 17 38 | 17 37 | 10 43 | 8 0 | 1 55 |
| T 4 | 15 58 | 6 17 | 2 22 | 7 17 | 1 24 | 21 54 | 0 27 | 11 12 | 2 14 | 9 28 | 0 42 | 21 15 | 1 50 | 22 46 | 0 23 | 20 30 | 1 38 | 14 0 | 14 45 | 17 38 | 17 38 | 10 46 | 8 2 | 1 55 |
| F 5 | 16 16 | 0 57 | 3 14 | 7 10 | 1 36 | 22 9 | 0 30 | 11 6 | 2 12 | 9 25 | 0 42 | 21 15 | 1 50 | 22 46 | 0 22 | 20 29 | 1 38 | 14 0 | 14 44 | 17 39 | 17 39 | 10 49 | 8 3 | 1 55 |
| S 6 | 16 33 | 4n22 | 3 57 | 7 5 | 1 48 | 22 22 | 0 32 | 10 59 | 2 10 | 9 22 | 0 42 | 21 15 | 1 50 | 22 46 | 0 22 | 20 29 | 1 38 | 14 0 | 14 44 | 17 41 | 17 40 | 10 52 | 8 4 | 1 55 |
| S 7 | 16 49 | 9 31 | 4 30 | 7 2 | 1 59 | 22 35 | 0 35 | 10 52 | 2 8 | 9 19 | 0 43 | 21 14 | 1 50 | 22 45 | 0 22 | 20 29 | 1 38 | 14 0 | 14 44 | 17 44 | 17 40 | 10 55 | 8 5 | 1 55 |
| M 8 | 17 6 | 14 21 | 4 51 | 7 2 | 2 9 | 22 48 | 0 38 | 10 45 | 2 6 | 9 16 | 0 43 | 21 14 | 1 50 | 22 45 | 0 22 | 20 29 | 1 38 | 14 0 | 14 43 | 17 47 | 17 41 | 10 58 | 8 6 | 1 55 |
| T 9 | 17 22 | 18 39 | 5 0 | 7 4 | 2 18 | 23 0 | 0 40 | 10 37 | 2 4 | 9 12 | 0 43 | 21 14 | 1 50 | 22 45 | 0 22 | 20 29 | 1 38 | 14 0 | 14 43 | 17 51 | 17 42 | 11 0 | 8 8 | 1 55 |
| W10 | 17 38 | 22 15 | 4 55 | 7 9 | 2 26 | 23 11 | 0 43 | 10 30 | 2 2 | 9 9 | 0 43 | 21 14 | 1 50 | 22 44 | 0 22 | 20 28 | 1 38 | 14 0 | 14 43 | 17 54 | 17 43 | 11 3 | 8 9 | 1 55 |
| T 11 | 17 53 | 24 55 | 4 37 | 7 15 | 2 34 | 23 21 | 0 46 | 10 22 | 2 0 | 9 6 | 0 43 | 21 13 | 1 50 | 22 44 | 0 22 | 20 28 | 1 38 | 14 0 | 14 43 | 17 58 | 17 44 | 11 6 | 8 10 | 1 55 |
| F 12 | 18 8 | 26 25 | 4 6 | 7 23 | 2 40 | 23 31 | 0 48 | 10 14 | 1 58 | 9 3 | 0 44 | 21 13 | 1 51 | 22 44 | 0 22 | 20 28 | 1 38 | 14 0 | 14 42 | 18 1 | 17 45 | 11 9 | 8 11 | 1 55 |
| S 13 | 18 23 | 26 38 | 3 22 | 7 34 | 2 47 | 23 40 | 0 51 | 10 6 | 1 56 | 9 1 | 0 44 | 21 13 | 1 51 | 22 44 | 0 22 | 20 28 | 1 39 | 14 1 | 14 42 | 18 3 | 17 46 | 11 12 | 8 12 | 1 55 |
| S 14 | 18 38 | 25 29 | 2 28 | 7 46 | 2 52 | 23 49 | 0 53 | 9 58 | 1 54 | 8 58 | 0 44 | 21 13 | 1 51 | 22 43 | 0 22 | 20 28 | 1 39 | 14 1 | 14 42 | 18 4 | 17 46 | 11 15 | 8 13 | 1 55 |
| M15 | 18 52 | 22 58 | 1 26 | 8 0 | 2 56 | 23 56 | 0 56 | 9 50 | 1 52 | 8 55 | 0 44 | 21 12 | 1 51 | 22 43 | 0 22 | 20 27 | 1 39 | 14 1 | 14 41 | 18 5 | 17 47 | 11 18 | 8 15 | 1 55 |
| T 16 | 19 6 | 19 14 | 0 18 | 8 16 | 3 0 | 24 4 | 0 58 | 9 42 | 1 50 | 8 52 | 0 44 | 21 12 | 1 51 | 22 43 | 0 22 | 20 27 | 1 39 | 14 1 | 14 41 | 18 6 | 17 48 | 11 21 | 8 16 | 1 55 |
| W17 | 19 19 | 14 27 | 0s53 | 8 33 | 3 3 | 24 10 | 1 1 | 9 33 | 1 48 | 8 50 | 0 45 | 21 12 | 1 51 | 22 42 | 0 22 | 20 27 | 1 39 | 14 0 | 14 41 | 18 6 | 17 49 | 11 24 | 8 17 | 1 55 |
| T 18 | 19 33 | 8 51 | 2 2 | 8 51 | 3 6 | 24 16 | 1 3 | 9 24 | 1 47 | 8 47 | 0 45 | 21 11 | 1 51 | 22 42 | 0 22 | 20 27 | 1 39 | 14 0 | 14 40 | 18 5 | 17 50 | 11 26 | 8 18 | 1 55 |
| F 19 | 19 46 | 2 40 | 3 6 | 9 11 | 3 7 | 24 21 | 1 6 | 9 16 | 1 45 | 8 44 | 0 45 | 21 11 | 1 51 | 22 42 | 0 22 | 20 26 | 1 39 | 14 0 | 14 40 | 18 6 | 17 51 | 11 29 | 8 19 | 1 55 |
| S 20 | 19 58 | 3s46 | 3 59 | 9 33 | 3 8 | 24 25 | 1 8 | 9 7 | 1 43 | 8 42 | 0 45 | 21 11 | 1 51 | 22 41 | 0 22 | 20 26 | 1 39 | 14 0 | 14 40 | 18 7 | 17 51 | 11 32 | 8 20 | 1 55 |
| S 21 | 20 10 | 10 8 | 4 38 | 9 55 | 3 9 | 24 29 | 1 10 | 8 57 | 1 41 | 8 39 | 0 46 | 21 11 | 1 51 | 22 41 | 0 22 | 20 26 | 1 39 | 14 0 | 14 39 | 18 8 | 17 52 | 11 35 | 8 21 | 1 55 |
| M22 | 20 22 | 16 1 | 5 0 | 10 19 | 3 9 | 24 32 | 1 13 | 8 48 | 1 39 | 8 37 | 0 46 | 21 10 | 1 51 | 22 41 | 0 22 | 20 26 | 1 39 | 14 0 | 14 39 | 18 10 | 17 53 | 11 38 | 8 22 | 1 55 |
| T 23 | 20 34 | 20 59 | 5 0 | 10 44 | 3 8 | 24 34 | 1 15 | 8 39 | 1 38 | 8 35 | 0 46 | 21 10 | 1 51 | 22 40 | 0 22 | 20 26 | 1 39 | 14 0 | 14 39 | 18 12 | 17 54 | 11 41 | 8 23 | 1 55 |
| W24 | 20 45 | 24 34 | 4 41 | 11 10 | 3 6 | 24 35 | 1 17 | 8 29 | 1 36 | 8 32 | 0 46 | 21 10 | 1 51 | 22 40 | 0 22 | 20 25 | 1 39 | 14 0 | 14 38 | 18 15 | 17 55 | 11 44 | 8 24 | 1 55 |
| T 25 | 20 56 | 26 26 | 4 3 | 11 37 | 3 4 | 24 36 | 1 19 | 8 20 | 1 34 | 8 30 | 0 47 | 21 10 | 1 51 | 22 40 | 0 22 | 20 25 | 1 39 | 14 0 | 14 38 | 18 17 | 17 56 | 11 46 | 8 25 | 1 55 |
| F 26 | 21 6 | 26 29 | 3 10 | 12 4 | 3 1 | 24 36 | 1 22 | 8 10 | 1 33 | 8 28 | 0 47 | 21 9 | 1 51 | 22 39 | 0 22 | 20 25 | 1 39 | 14 0 | 14 38 | 18 19 | 17 56 | 11 49 | 8 26 | 1 55 |
| S 27 | 21 16 | 24 48 | 2 7 | 12 33 | 2 58 | 24 36 | 1 24 | 8 0 | 1 31 | 8 26 | 0 47 | 21 9 | 1 51 | 22 39 | 0 22 | 20 25 | 1 39 | 13 59 | 14 37 | 18 20 | 17 57 | 11 52 | 8 27 | 1 55 |
| S 28 | 21 26 | 21 44 | 0 58 | 13 2 | 2 54 | 24 35 | 1 26 | 7 50 | 1 29 | 8 24 | 0 47 | 21 9 | 1 51 | 22 38 | 0 22 | 20 25 | 1 39 | 13 59 | 14 37 | 18 21 | 17 58 | 11 55 | 8 28 | 1 55 |
| M29 | 21 35 | 17 38 | 0n11 | 13 32 | 2 50 | 24 33 | 1 28 | 7 40 | 1 28 | 8 22 | 0 47 | 21 8 | 1 51 | 22 38 | 0 22 | 20 24 | 1 39 | 13 59 | 14 36 | 18 21 | 17 59 | 11 58 | 8 29 | 1 55 |
| T 30 | 21 44 | 12 51 | 1 18 | 14 2 | 2 45 | 24 30 | 1 30 | 7 30 | 1 26 | 8 20 | 0 48 | 21 8 | 1 51 | 22 38 | 0 22 | 20 24 | 1 39 | 13 59 | 14 36 | 18 21 | 18 0 | 12 1 | 8 30 | 1 55 |
| W31 | 21n52 | 7s40 | 2n20 | 14n33 | 2s39 | 24n26 | 1n32 | 7n20 | 1n24 | 8s18 | 0s48 | 21s 8 | 1n51 | 22n37 | 0n22 | 20s24 | 1n39 | 13n59 | 14n36 | 18s21 | 18s 1 | 12n 3 | 8n31 | 1n55 |

Julian Day Number = 2801567.5, Delta T = 50m27s
Ecliptic obliquity = 23°19'00, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'17, Lahiri = 37°16'17


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# ASTRODIENST EPHEMERIS for the year 2958
# geocentric

## JUNE 2958 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 39 20 | 11♊14'15 | 16♓31 | 19♉35 | 11♋32 | 15♍ 0 | 10♓41 | 20°R19 | 16♋57 | 11°R19 | 28°R29 | 7°R20 | 8♒35 | 19♈31 | 17♈18 | T 1 |
| F 2 | 16 43 16 | 12°12'07 | 28°27 | 21°11 | 12°44 | 15°24 | 10°46 | 20♐15 | 17° 1 | 11♐18 | 28♍29 | 7♒18 | 8°32 | 19°38 | 17°20 | F 2 |
| S 3 | 16 47 13 | 13° 9'59 | 10♈18 | 22°50 | 13°56 | 15°48 | 10°51 | 20°10 | 17° 4 | 11°16 | 28°29 | 7°15 | 8°29 | 19°45 | 17°23 | S 3 |
| S 4 | 16 51 9 | 14° 7'49 | 22° 9 | 24°31 | 15° 8 | 16°12 | 10°56 | 20° 6 | 17° 7 | 11°15 | 28°28 | 7° 9 | 8°26 | 19°52 | 17°25 | S 4 |
| M 5 | 16 55 6 | 15° 5'38 | 4♉ 4 | 26°15 | 16°20 | 16°37 | 11° 1 | 20° 1 | 17°10 | 11°13 | 28°28 | 7° 1 | 8°23 | 19°58 | 17°27 | M 5 |
| T 6 | 16 59 2 | 16° 3'26 | 16° 5 | 28° 0 | 17°32 | 17° 1 | 11° 5 | 19°57 | 17°13 | 11°11 | 28°28 | 6°52 | 8°19 | 20° 5 | 17°29 | T 6 |
| W 7 | 17 2 59 | 17° 1'13 | 28°16 | 29°47 | 18°44 | 17°26 | 11°10 | 19°52 | 17°16 | 11°10 | 28°28 | 6°43 | 8°16 | 20°12 | 17°32 | W 7 |
| T 8 | 17 6 56 | 17°58'58 | 10♊37 | 1♊37 | 19°56 | 17°52 | 11°14 | 19°48 | 17°20 | 11° 8 | 28°D28 | 6°34 | 8°13 | 20°18 | 17°34 | T 8 |
| F 9 | 17 10 52 | 18°56'43 | 23° 9 | 3°29 | 21° 7 | 18°17 | 11°18 | 19°43 | 17°23 | 11° 6 | 28°28 | 6°27 | 8°10 | 20°25 | 17°36 | F 9 |
| S 10 | 17 14 49 | 19°54'26 | 5♋52 | 5°23 | 22°19 | 18°43 | 11°22 | 19°39 | 17°26 | 11° 5 | 28°28 | 6°21 | 8° 7 | 20°32 | 17°38 | S 10 |
| S 11 | 17 18 45 | 20°52'08 | 18°47 | 7°19 | 23°30 | 19° 9 | 11°26 | 19°34 | 17°29 | 11° 3 | 28°28 | 6°17 | 8° 3 | 20°39 | 17°40 | S 11 |
| M12 | 17 22 42 | 21°49'48 | 1♌55 | 9°17 | 24°42 | 19°35 | 11°29 | 19°30 | 17°33 | 11° 2 | 28°28 | 6°D16 | 8° 0 | 20°45 | 17°42 | M12 |
| T 13 | 17 26 38 | 22°47'27 | 15°14 | 11°17 | 25°53 | 20° 2 | 11°32 | 19°25 | 17°36 | 11° 0 | 28°28 | 6°16 | 7°57 | 20°52 | 17°44 | T 13 |
| W14 | 17 30 35 | 23°45'05 | 28°46 | 13°19 | 27° 5 | 20°28 | 11°36 | 19°21 | 17°39 | 10°59 | 28°29 | 6°17 | 7°54 | 20°59 | 17°46 | W14 |
| T 15 | 17 34 32 | 24°42'41 | 12♍32 | 15°23 | 28°16 | 20°55 | 11°39 | 19°16 | 17°43 | 10°57 | 28°29 | 6°18 | 7°51 | 21° 5 | 17°48 | T 15 |
| F 16 | 17 38 28 | 25°40'16 | 26°31 | 17°28 | 29°27 | 21°23 | 11°41 | 19°12 | 17°46 | 10°55 | 28°29 | 6°R19 | 7°48 | 21°12 | 17°49 | F 16 |
| S 17 | 17 42 25 | 26°37'50 | 10♎43 | 19°36 | 0♌39 | 21°50 | 11°44 | 19° 8 | 17°49 | 10°54 | 28°29 | 6°18 | 7°44 | 21°19 | 17°51 | S 17 |
| S 18 | 17 46 21 | 27°35'22 | 25° 6 | 21°44 | 1°50 | 22°18 | 11°46 | 19° 3 | 17°53 | 10°52 | 28°30 | 6°16 | 7°41 | 21°26 | 17°53 | S 18 |
| M19 | 17 50 18 | 28°32'53 | 9♏36 | 23°54 | 3° 1 | 22°45 | 11°49 | 18°59 | 17°56 | 10°51 | 28°30 | 6°12 | 7°38 | 21°32 | 17°54 | M19 |
| T 20 | 17 54 14 | 29°30'22 | 24°10 | 26° 5 | 4°12 | 23°13 | 11°51 | 18°54 | 18° 0 | 10°49 | 28°30 | 6° 7 | 7°35 | 21°39 | 17°56 | T 20 |
| W21 | 17 58 11 | 0♋27'51 | 8♐41 | 28°16 | 5°23 | 23°42 | 11°53 | 18°50 | 18° 3 | 10°48 | 28°31 | 6° 1 | 7°32 | 21°46 | 17°58 | W21 |
| T 22 | 18 2 7 | 1°25'19 | 23° 2 | 0♋28 | 6°33 | 24°10 | 11°54 | 18°46 | 18° 7 | 10°46 | 28°31 | 5°56 | 7°29 | 21°53 | 17°59 | T 22 |
| F 23 | 18 6 4 | 2°22'46 | 7♑ 7 | 2°40 | 7°44 | 24°39 | 11°56 | 18°41 | 18°10 | 10°45 | 28°31 | 5°53 | 7°25 | 21°59 | 18° 1 | F 23 |
| S 24 | 18 10 1 | 3°20'11 | 20°53 | 4°53 | 8°55 | 25° 8 | 11°57 | 18°37 | 18°14 | 10°43 | 28°32 | 5°50 | 7°22 | 22° 6 | 18° 2 | S 24 |
| S 25 | 18 13 57 | 4°17'36 | 4♒18 | 7° 5 | 10° 6 | 25°37 | 11°58 | 18°33 | 18°17 | 10°42 | 28°32 | 5°D49 | 7°19 | 22°13 | 18° 3 | S 25 |
| M26 | 18 17 54 | 5°15'01 | 17°19 | 9°16 | 11°16 | 26° 6 | 11°59 | 18°29 | 18°21 | 10°40 | 28°33 | 5°50 | 7°16 | 22°19 | 18° 5 | M26 |
| T 27 | 18 21 50 | 6°12'25 | 0♓ 0 | 11°26 | 12°27 | 26°35 | 12° 0 | 18°25 | 18°24 | 10°39 | 28°33 | 5°51 | 7°13 | 22°26 | 18° 6 | T 27 |
| W28 | 18 25 47 | 7° 9'48 | 12°23 | 13°36 | 13°37 | 27° 5 | 12° 0 | 18°20 | 18°28 | 10°37 | 28°34 | 5°53 | 7° 9 | 22°33 | 18° 7 | W28 |
| T 29 | 18 29 43 | 8° 7'10 | 24°31 | 15°44 | 14°47 | 27°34 | 12° 1 | 18°16 | 18°31 | 10°36 | 28°35 | 5°54 | 7° 6 | 22°40 | 18° 8 | T 29 |
| F 30 | 18 33 40 | 9♋ 4'33 | 6♈29 | 17♋50 | 15♌57 | 28♍ 4 | 12°R 1 | 18♐12 | 18♋35 | 10♐35 | 28♍35 | 5°R55 | 7♒ 3 | 22♈46 | 18♈ 9 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n 1 | 2s19 | 3n14 | 15n 4 | 2s33 | 24n22 | 1n34 | 7n 9 | 1n23 | 8s16 | 0s48 | 21s 8 | 1n51 | 22n37 | 0n22 | 20s24 | 1n39 | 13n58 | 14n35 | 18s21 | 18s 1 | 12n 6 | 8n32 | 1n55 |
| F 2 | 22 8 | 3n 2 | 3 59 | 15 36 | 2 27 | 24 18 | 1 35 | 6 59 | 1 21 | 8 14 | 0 48 | 21 7 | 1 51 | 22 37 | 0 22 | 20 23 | 1 39 | 13 58 | 14 35 | 18 21 | 18 2 | 12 9 | 8 33 | 1 55 |
| S 3 | 22 16 | 8 15 | 4 33 | 16 8 | 2 20 | 24 12 | 1 37 | 6 48 | 1 20 | 8 13 | 0 49 | 21 7 | 1 51 | 22 36 | 0 22 | 20 23 | 1 39 | 13 58 | 14 35 | 18 22 | 18 3 | 12 12 | 8 34 | 1 55 |
| S 4 | 22 23 | 13 9 | 4 56 | 16 40 | 2 13 | 24 6 | 1 39 | 6 37 | 1 18 | 8 11 | 0 49 | 21 7 | 1 51 | 22 36 | 0 22 | 20 23 | 1 39 | 13 57 | 14 34 | 18 23 | 18 4 | 12 15 | 8 35 | 1 55 |
| M 5 | 22 29 | 17 36 | 5 5 | 17 11 | 2 5 | 23 59 | 1 40 | 6 26 | 1 17 | 8 9 | 0 49 | 21 6 | 1 50 | 22 35 | 0 22 | 20 23 | 1 39 | 13 57 | 14 34 | 18 25 | 18 5 | 12 17 | 8 36 | 1 55 |
| T 6 | 22 35 | 21 23 | 5 2 | 17 43 | 1 56 | 23 52 | 1 42 | 6 15 | 1 15 | 8 8 | 0 49 | 21 6 | 1 50 | 22 35 | 0 22 | 20 23 | 1 39 | 13 57 | 14 33 | 18 28 | 18 5 | 12 20 | 8 37 | 1 55 |
| W 7 | 22 41 | 24 18 | 4 45 | 18 15 | 1 48 | 23 43 | 1 43 | 6 4 | 1 14 | 8 6 | 0 50 | 21 6 | 1 50 | 22 35 | 0 22 | 20 22 | 1 39 | 13 57 | 14 33 | 18 30 | 18 6 | 12 23 | 8 37 | 1 55 |
| T 8 | 22 47 | 26 7 | 4 14 | 18 46 | 1 39 | 23 35 | 1 45 | 5 53 | 1 12 | 8 5 | 0 50 | 21 6 | 1 50 | 22 34 | 0 22 | 20 22 | 1 39 | 13 56 | 14 33 | 18 32 | 18 7 | 12 26 | 8 38 | 1 55 |
| F 9 | 22 52 | 26 39 | 3 31 | 19 17 | 1 29 | 23 25 | 1 46 | 5 42 | 1 11 | 8 4 | 0 50 | 21 5 | 1 50 | 22 34 | 0 22 | 20 22 | 1 39 | 13 56 | 14 32 | 18 34 | 18 8 | 12 29 | 8 39 | 1 55 |
| S 10 | 22 56 | 25 47 | 2 36 | 19 47 | 1 19 | 23 15 | 1 48 | 5 31 | 1 10 | 8 3 | 0 50 | 21 5 | 1 50 | 22 33 | 0 22 | 20 22 | 1 39 | 13 55 | 14 32 | 18 35 | 18 9 | 12 31 | 8 40 | 1 55 |
| S 11 | 23 0 | 23 32 | 1 33 | 20 17 | 1 9 | 23 4 | 1 49 | 5 19 | 1 8 | 8 1 | 0 51 | 21 5 | 1 50 | 22 33 | 0 22 | 20 22 | 1 39 | 13 55 | 14 31 | 18 36 | 18 10 | 12 34 | 8 41 | 1 55 |
| M12 | 23 4 | 20 1 | 0 24 | 20 45 | 0 59 | 22 53 | 1 50 | 5 8 | 1 7 | 8 0 | 0 51 | 21 4 | 1 50 | 22 32 | 0 22 | 20 21 | 1 39 | 13 55 | 14 31 | 18 37 | 18 10 | 12 37 | 8 41 | 1 55 |
| T 13 | 23 7 | 15 25 | 0s48 | 21 13 | 0 49 | 22 41 | 1 51 | 4 56 | 1 5 | 7 59 | 0 51 | 21 4 | 1 50 | 22 32 | 0 22 | 20 21 | 1 39 | 13 54 | 14 31 | 18 37 | 18 11 | 12 40 | 8 42 | 1 55 |
| W14 | 23 10 | 9 59 | 1 59 | 21 39 | 0 38 | 22 28 | 1 52 | 4 44 | 1 4 | 7 58 | 0 51 | 21 4 | 1 50 | 22 32 | 0 22 | 20 21 | 1 39 | 13 54 | 14 30 | 18 36 | 18 12 | 12 43 | 8 43 | 1 56 |
| T 15 | 23 13 | 4 0 | 3 4 | 22 4 | 0 27 | 22 15 | 1 53 | 4 32 | 1 3 | 7 57 | 0 52 | 21 4 | 1 50 | 22 31 | 0 22 | 20 21 | 1 38 | 13 53 | 14 30 | 18 36 | 18 13 | 12 45 | 8 44 | 1 56 |
| F 16 | 23 15 | 2s16 | 3 59 | 22 27 | 0 16 | 22 1 | 1 54 | 4 20 | 1 1 | 7 57 | 0 52 | 21 3 | 1 50 | 22 31 | 0 22 | 20 20 | 1 38 | 13 53 | 14 30 | 18 36 | 18 14 | 12 48 | 8 44 | 1 56 |
| S 17 | 23 16 | 8 31 | 4 40 | 22 49 | 0 6 | 21 46 | 1 54 | 4 8 | 1 0 | 7 56 | 0 52 | 21 3 | 1 50 | 22 30 | 0 22 | 20 20 | 1 38 | 13 53 | 14 29 | 18 36 | 18 14 | 12 51 | 8 45 | 1 56 |
| S 18 | 23 18 | 14 23 | 5 4 | 23 9 | 0n 5 | 21 31 | 1 55 | 3 56 | 0 59 | 7 55 | 0 52 | 21 3 | 1 50 | 22 30 | 0 22 | 20 20 | 1 38 | 13 52 | 14 29 | 18 37 | 18 15 | 12 54 | 8 46 | 1 56 |
| M19 | 23 19 | 19 30 | 5 10 | 23 26 | 0 16 | 21 16 | 1 56 | 3 44 | 0 57 | 7 55 | 0 53 | 21 3 | 1 49 | 22 29 | 0 22 | 20 20 | 1 38 | 13 52 | 14 28 | 18 38 | 18 16 | 12 56 | 8 46 | 1 56 |
| T 20 | 23 19 | 23 29 | 4 55 | 23 41 | 0 26 | 21 0 | 1 56 | 3 32 | 0 56 | 7 54 | 0 53 | 21 2 | 1 49 | 22 29 | 0 22 | 20 20 | 1 38 | 13 51 | 14 28 | 18 39 | 18 17 | 12 59 | 8 47 | 1 56 |
| W21 | 23 19 | 25 57 | 4 22 | 23 54 | 0 36 | 20 43 | 1 57 | 3 20 | 0 55 | 7 54 | 0 53 | 21 2 | 1 49 | 22 28 | 0 22 | 20 20 | 1 38 | 13 51 | 14 28 | 18 40 | 18 18 | 13 2 | 8 48 | 1 56 |
| T 22 | 23 19 | 26 40 | 3 32 | 24 5 | 0 46 | 20 26 | 1 57 | 3 7 | 0 53 | 7 53 | 0 53 | 21 2 | 1 49 | 22 28 | 0 22 | 20 19 | 1 38 | 13 50 | 14 27 | 18 41 | 18 18 | 13 5 | 8 48 | 1 56 |
| F 23 | 23 18 | 25 37 | 2 30 | 24 12 | 0 55 | 20 8 | 1 57 | 2 55 | 0 52 | 7 53 | 0 54 | 21 2 | 1 49 | 22 28 | 0 22 | 20 19 | 1 38 | 13 50 | 14 27 | 18 42 | 18 19 | 13 7 | 8 49 | 1 56 |
| S 24 | 23 16 | 23 2 | 1 21 | 24 17 | 1 4 | 19 50 | 1 58 | 2 42 | 0 51 | 7 53 | 0 54 | 21 1 | 1 49 | 22 27 | 0 22 | 20 19 | 1 38 | 13 49 | 14 26 | 18 43 | 18 20 | 13 10 | 8 49 | 1 56 |
| S 25 | 23 15 | 19 13 | 0 8 | 24 19 | 1 12 | 19 31 | 1 58 | 2 30 | 0 50 | 7 52 | 0 54 | 21 1 | 1 49 | 22 27 | 0 22 | 20 19 | 1 38 | 13 48 | 14 26 | 18 43 | 18 21 | 13 13 | 8 50 | 1 56 |
| M26 | 23 13 | 14 34 | 1n 3 | 24 19 | 1 19 | 19 12 | 1 58 | 2 17 | 0 48 | 7 52 | 0 55 | 21 1 | 1 49 | 22 26 | 0 22 | 20 19 | 1 38 | 13 48 | 14 26 | 18 43 | 18 22 | 13 16 | 8 50 | 1 56 |
| T 27 | 23 10 | 9 24 | 2 8 | 24 16 | 1 26 | 18 52 | 1 58 | 2 4 | 0 47 | 7 52 | 0 55 | 21 1 | 1 49 | 22 26 | 0 22 | 20 18 | 1 38 | 13 47 | 14 25 | 18 43 | 18 22 | 13 18 | 8 51 | 1 56 |
| W28 | 23 7 | 4 0 | 3 7 | 24 10 | 1 33 | 18 32 | 1 57 | 1 52 | 0 46 | 7 52 | 0 55 | 21 0 | 1 48 | 22 25 | 0 22 | 20 18 | 1 38 | 13 47 | 14 25 | 18 42 | 18 23 | 13 21 | 8 51 | 1 56 |
| T 29 | 23 4 | 1n26 | 3 56 | 24 1 | 1 38 | 18 11 | 1 57 | 1 39 | 0 45 | 7 52 | 0 55 | 21 0 | 1 48 | 22 25 | 0 22 | 20 18 | 1 38 | 13 46 | 14 24 | 18 42 | 18 24 | 13 24 | 8 52 | 1 56 |
| F 30 | 23n 0 | 6n45 | 4n33 | 23n50 | 1n43 | 17n50 | 1n57 | 1n26 | 0n44 | 7s53 | 0s56 | 21s 0 | 1n48 | 22n24 | 0n22 | 20s18 | 1n38 | 13n46 | 14n24 | 18s42 | 18s25 | 13n26 | 8n52 | 1n56 |

Julian Day Number = 2801598.5, Delta T = 50m27s
Ecliptic obliquity = 23°19'00, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'21, Lahiri = 37°16'22


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# ASTRODIENST EPHEMERIS for the year 2958
# geocentric

## JULY 2958 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 37 36 | 10♋ 1'55 | 18♈23 | 19♋55 | 17♌ 8 | 28♍34 | 12°R 1 | 18°R 8 | 18♋38 | 10°R33 | 28♍36 | 5°R55 | 7♒ 0 | 22♈53 | 18♈10 | S 1 |
| S 2 | 18 41 33 | 10°59'16 | 0♉16 | 21°59 | 18°18 | 29° 5 | 12♓ 1 | 18♐ 4 | 18°42 | 10♐32 | 28°37 | 5♒53 | 6°57 | 23° 0 | 18°11 | S 2 |
| M 3 | 18 45 30 | 11°56'37 | 12°13 | 24° 0 | 19°28 | 29°35 | 12° 0 | 18° 0 | 18°46 | 10°31 | 28°37 | 5°51 | 6°54 | 23° 6 | 18°12 | M 3 |
| T 4 | 18 49 26 | 12°53'58 | 24°19 | 25°59 | 20°38 | 0♎ 6 | 11°59 | 17°57 | 18°49 | 10°29 | 28°38 | 5°48 | 6°50 | 23°13 | 18°13 | T 4 |
| W 5 | 18 53 23 | 13°51'19 | 6♊35 | 27°56 | 21°47 | 0°36 | 11°59 | 17°53 | 18°53 | 10°28 | 28°39 | 5°44 | 6°47 | 23°20 | 18°14 | W 5 |
| T 6 | 18 57 19 | 14°48'39 | 19° 6 | 29°51 | 22°57 | 1° 7 | 11°58 | 17°49 | 18°56 | 10°27 | 28°40 | 5°41 | 6°44 | 23°27 | 18°15 | T 6 |
| F 7 | 19 1 16 | 15°45'59 | 1♋51 | 1♌44 | 24° 7 | 1°38 | 11°56 | 17°45 | 19° 0 | 10°25 | 28°41 | 5°38 | 6°41 | 23°33 | 18°16 | F 7 |
| S 8 | 19 5 12 | 16°43'18 | 14°53 | 3°35 | 25°16 | 2° 9 | 11°55 | 17°42 | 19° 4 | 10°24 | 28°42 | 5°36 | 6°38 | 23°40 | 18°16 | S 8 |
| S 9 | 19 9 9 | 17°40'38 | 28°10 | 5°23 | 26°26 | 2°41 | 11°53 | 17°38 | 19° 7 | 10°23 | 28°42 | 5°35 | 6°35 | 23°47 | 18°17 | S 9 |
| M10 | 19 13 6 | 18°37'56 | 11♌41 | 7°10 | 27°35 | 3°12 | 11°52 | 17°35 | 19°11 | 10°22 | 28°43 | 5°D35 | 6°31 | 23°53 | 18°18 | M10 |
| T 11 | 19 17 2 | 19°35'14 | 25°24 | 8°54 | 28°44 | 3°44 | 11°50 | 17°31 | 19°14 | 10°21 | 28°44 | 5°36 | 6°28 | 24° 0 | 18°18 | T 11 |
| W12 | 19 20 59 | 20°32'32 | 9♍18 | 10°35 | 29°53 | 4°16 | 11°48 | 17°28 | 19°18 | 10°19 | 28°45 | 5°37 | 6°25 | 24° 7 | 18°19 | W12 |
| T 13 | 19 24 55 | 21°29'49 | 23°21 | 12°15 | 1♍ 3 | 4°48 | 11°45 | 17°24 | 19°22 | 10°18 | 28°46 | 5°38 | 6°22 | 24°14 | 18°19 | T 13 |
| F 14 | 19 28 52 | 22°27'05 | 7♎30 | 13°52 | 2°12 | 5°20 | 11°43 | 17°21 | 19°25 | 10°17 | 28°47 | 5°39 | 6°19 | 24°20 | 18°20 | F 14 |
| S 15 | 19 32 48 | 23°24'21 | 21°43 | 15°27 | 3°20 | 5°52 | 11°40 | 17°18 | 19°29 | 10°16 | 28°49 | 5°R39 | 6°15 | 24°27 | 18°20 | S 15 |
| S 16 | 19 36 45 | 24°21'37 | 5♏58 | 17° 0 | 4°29 | 6°25 | 11°37 | 17°15 | 19°32 | 10°15 | 28°50 | 5°39 | 6°12 | 24°34 | 18°20 | S 16 |
| M17 | 19 40 41 | 25°18'52 | 20°11 | 18°30 | 5°38 | 6°57 | 11°34 | 17°12 | 19°36 | 10°14 | 28°51 | 5°38 | 6° 9 | 24°41 | 18°20 | M17 |
| T 18 | 19 44 38 | 26°16'07 | 4♐21 | 19°58 | 6°46 | 7°30 | 11°31 | 17° 9 | 19°39 | 10°13 | 28°52 | 5°37 | 6° 6 | 24°47 | 18°21 | T 18 |
| W19 | 19 48 35 | 27°13'21 | 18°24 | 21°23 | 7°55 | 8° 3 | 11°27 | 17° 6 | 19°43 | 10°12 | 28°53 | 5°36 | 6° 3 | 24°54 | 18°21 | W19 |
| T 20 | 19 52 31 | 28°10'35 | 2♑17 | 22°46 | 9° 3 | 8°36 | 11°24 | 17° 3 | 19°47 | 10°11 | 28°54 | 5°35 | 6° 0 | 25° 1 | 18°21 | T 20 |
| F 21 | 19 56 28 | 29° 7'49 | 15°57 | 24° 7 | 10°11 | 9° 9 | 11°20 | 17° 0 | 19°50 | 10°10 | 28°56 | 5°35 | 5°56 | 25° 7 | 18°R21 | F 21 |
| S 22 | 20 0 24 | 0♌ 5'03 | 29°22 | 25°26 | 11°19 | 9°42 | 11°16 | 16°58 | 19°54 | 10° 9 | 28°57 | 5°D35 | 5°53 | 25°14 | 18°21 | S 22 |
| S 23 | 20 4 21 | 1° 2'17 | 12♒31 | 26°41 | 12°27 | 10°15 | 11°12 | 16°55 | 19°57 | 10° 8 | 28°58 | 5°35 | 5°50 | 25°21 | 18°21 | S 23 |
| M24 | 20 8 17 | 1°59'31 | 25°22 | 27°55 | 13°35 | 10°48 | 11° 7 | 16°53 | 20° 1 | 10° 7 | 28°59 | 5°35 | 5°47 | 25°28 | 18°21 | M24 |
| T 25 | 20 12 14 | 2°56'45 | 7♓57 | 29° 5 | 14°42 | 11°22 | 11° 3 | 16°50 | 20° 4 | 10° 7 | 29° 1 | 5°35 | 5°44 | 25°34 | 18°21 | T 25 |
| W26 | 20 16 10 | 3°53'59 | 20°17 | 0♍13 | 15°50 | 11°56 | 10°58 | 16°48 | 20° 8 | 10° 6 | 29° 2 | 5°35 | 5°41 | 25°41 | 18°20 | W26 |
| T 27 | 20 20 7 | 4°51'14 | 2♈25 | 1°18 | 16°57 | 12°29 | 10°54 | 16°46 | 20°11 | 10° 5 | 29° 4 | 5°35 | 5°37 | 25°48 | 18°20 | T 27 |
| F 28 | 20 24 4 | 5°48'29 | 14°24 | 2°21 | 18° 4 | 13° 3 | 10°49 | 16°43 | 20°15 | 10° 4 | 29° 5 | 5°R35 | 5°34 | 25°54 | 18°20 | F 28 |
| S 29 | 20 28 0 | 6°45'44 | 26°19 | 3°20 | 19°11 | 13°37 | 10°44 | 16°41 | 20°18 | 10° 4 | 29° 6 | 5°35 | 5°31 | 26° 1 | 18°19 | S 29 |
| S 30 | 20 31 57 | 7°43'00 | 8♉12 | 4°16 | 20°18 | 14°12 | 10°38 | 16°39 | 20°22 | 10° 3 | 29° 8 | 5°D35 | 5°28 | 26° 8 | 18°19 | S 30 |
| M31 | 20 35 53 | 8♌40'17 | 20♉10 | 5♍ 9 | 21♍25 | 14♎46 | 10♓33 | 16♐37 | 20♋25 | 10♐ 2 | 29♍ 9 | 5♒35 | 5♒25 | 26♈15 | 18♈18 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n56 | 11n47 | 4n59 | 23n37 | 1n47 | 17n28 | 1n56 | 1n13 | 0n43 | 7s53 | 0s56 | 21s 0 | 1n48 | 22n24 | 0n22 | 20s18 | 1n38 | 13n45 | 14n24 | 18s42 | 18s26 | 13n29 | 8n53 | 1n56 |
| S 2 | 22 52 | 16 23 | 5 12 | 23 21 | 1 50 | 17 6 | 1 56 | 1 0 | 0 41 | 7 53 | 0 56 | 21 0 | 1 48 | 22 23 | 0 22 | 20 18 | 1 38 | 13 44 | 14 23 | 18 42 | 18 26 | 13 32 | 8 53 | 1 56 |
| M 3 | 22 47 | 20 22 | 5 12 | 23 3 | 1 53 | 16 44 | 1 55 | 0 47 | 0 40 | 7 54 | 0 56 | 20 59 | 1 48 | 22 23 | 0 22 | 20 17 | 1 38 | 13 44 | 14 23 | 18 43 | 18 27 | 13 35 | 8 54 | 1 56 |
| T 4 | 22 42 | 23 33 | 4 58 | 22 43 | 1 55 | 16 21 | 1 54 | 0 34 | 0 39 | 7 54 | 0 57 | 20 59 | 1 48 | 22 22 | 0 22 | 20 17 | 1 38 | 13 43 | 14 23 | 18 44 | 18 28 | 13 37 | 8 54 | 1 56 |
| W 5 | 22 36 | 25 44 | 4 30 | 22 21 | 1 56 | 15 58 | 1 54 | 0 21 | 0 38 | 7 55 | 0 57 | 20 59 | 1 48 | 22 22 | 0 22 | 20 17 | 1 38 | 13 42 | 14 22 | 18 44 | 18 29 | 13 40 | 8 54 | 1 56 |
| T 6 | 22 30 | 26 40 | 3 48 | 21 58 | 1 56 | 15 34 | 1 53 | 0 7 | 0 37 | 7 55 | 0 57 | 20 59 | 1 47 | 22 21 | 0 22 | 20 17 | 1 38 | 13 42 | 14 22 | 18 45 | 18 30 | 13 43 | 8 55 | 1 56 |
| F 7 | 22 23 | 26 13 | 2 55 | 21 33 | 1 55 | 15 10 | 1 52 | 0s 6 | 0 36 | 7 56 | 0 57 | 20 59 | 1 47 | 22 21 | 0 22 | 20 17 | 1 38 | 13 41 | 14 21 | 18 46 | 18 30 | 13 45 | 8 55 | 1 56 |
| S 8 | 22 17 | 24 20 | 1 52 | 21 6 | 1 54 | 14 46 | 1 50 | 0 19 | 0 35 | 7 57 | 0 58 | 20 58 | 1 47 | 22 20 | 0 22 | 20 17 | 1 38 | 13 40 | 14 21 | 18 46 | 18 31 | 13 48 | 8 55 | 1 56 |
| S 9 | 22 9 | 21 5 | 0 41 | 20 38 | 1 52 | 14 21 | 1 49 | 0 33 | 0 34 | 7 58 | 0 58 | 20 58 | 1 47 | 22 20 | 0 22 | 20 17 | 1 38 | 13 40 | 14 21 | 18 47 | 18 32 | 13 51 | 8 56 | 1 56 |
| M10 | 22 2 | 16 40 | 0s34 | 20 9 | 1 50 | 13 56 | 1 48 | 0 46 | 0 32 | 7 59 | 0 58 | 20 58 | 1 47 | 22 19 | 0 22 | 20 16 | 1 38 | 13 39 | 14 20 | 18 47 | 18 33 | 13 53 | 8 56 | 1 56 |
| T 11 | 21 54 | 11 18 | 1 47 | 19 39 | 1 47 | 13 31 | 1 46 | 1 0 | 0 31 | 8 0 | 0 59 | 20 58 | 1 47 | 22 19 | 0 22 | 20 16 | 1 38 | 13 38 | 14 20 | 18 46 | 18 34 | 13 56 | 8 56 | 1 56 |
| W12 | 21 45 | 5 20 | 2 56 | 19 8 | 1 43 | 13 5 | 1 45 | 1 13 | 0 30 | 8 1 | 0 59 | 20 58 | 1 46 | 22 18 | 0 22 | 20 16 | 1 38 | 13 38 | 14 20 | 18 46 | 18 34 | 13 59 | 8 56 | 1 56 |
| T 13 | 21 37 | 0s58 | 3 54 | 18 36 | 1 38 | 12 39 | 1 43 | 1 27 | 0 29 | 8 2 | 0 59 | 20 58 | 1 46 | 22 18 | 0 22 | 20 16 | 1 38 | 13 37 | 14 19 | 18 46 | 18 35 | 14 1 | 8 57 | 1 56 |
| F 14 | 21 27 | 7 14 | 4 39 | 18 4 | 1 33 | 12 13 | 1 41 | 1 40 | 0 28 | 8 3 | 0 59 | 20 58 | 1 46 | 22 17 | 0 22 | 20 16 | 1 38 | 13 36 | 14 19 | 18 46 | 18 36 | 14 4 | 8 57 | 1 56 |
| S 15 | 21 18 | 13 10 | 5 7 | 17 31 | 1 27 | 11 47 | 1 40 | 1 54 | 0 27 | 8 4 | 1 0 | 20 57 | 1 46 | 22 17 | 0 22 | 20 16 | 1 38 | 13 35 | 14 19 | 18 46 | 18 37 | 14 7 | 8 57 | 1 56 |
| S 16 | 21 8 | 18 24 | 5 16 | 16 57 | 1 21 | 11 20 | 1 38 | 2 8 | 0 26 | 8 6 | 1 0 | 20 57 | 1 46 | 22 16 | 0 22 | 20 16 | 1 38 | 13 35 | 14 18 | 18 46 | 18 38 | 14 9 | 8 57 | 1 56 |
| M17 | 20 58 | 22 37 | 5 6 | 16 23 | 1 14 | 10 53 | 1 36 | 2 22 | 0 25 | 8 7 | 1 0 | 20 57 | 1 46 | 22 16 | 0 22 | 20 16 | 1 38 | 13 34 | 14 18 | 18 46 | 18 38 | 14 12 | 8 57 | 1 57 |
| T 18 | 20 47 | 25 27 | 4 37 | 15 49 | 1 7 | 10 26 | 1 34 | 2 35 | 0 24 | 8 8 | 1 0 | 20 57 | 1 45 | 22 15 | 0 22 | 20 16 | 1 37 | 13 33 | 14 18 | 18 46 | 18 39 | 14 15 | 8 57 | 1 57 |
| W19 | 20 36 | 26 40 | 3 52 | 15 14 | 0 59 | 9 58 | 1 31 | 2 49 | 0 23 | 8 10 | 1 1 | 20 57 | 1 45 | 22 15 | 0 22 | 20 15 | 1 37 | 13 32 | 14 17 | 18 46 | 18 40 | 14 17 | 8 57 | 1 57 |
| T 20 | 20 25 | 26 12 | 2 54 | 14 39 | 0 51 | 9 31 | 1 29 | 3 3 | 0 22 | 8 12 | 1 1 | 20 57 | 1 45 | 22 14 | 0 23 | 20 15 | 1 37 | 13 32 | 14 17 | 18 47 | 18 41 | 14 20 | 8 57 | 1 57 |
| F 21 | 20 14 | 24 8 | 1 47 | 14 4 | 0 42 | 9 3 | 1 27 | 3 17 | 0 21 | 8 13 | 1 1 | 20 57 | 1 45 | 22 14 | 0 23 | 20 15 | 1 37 | 13 31 | 14 17 | 18 47 | 18 41 | 14 23 | 8 57 | 1 57 |
| S 22 | 20 2 | 20 44 | 0 34 | 13 29 | 0 33 | 8 35 | 1 24 | 3 31 | 0 20 | 8 15 | 1 1 | 20 57 | 1 45 | 22 13 | 0 23 | 20 15 | 1 37 | 13 30 | 14 16 | 18 47 | 18 42 | 14 25 | 8 57 | 1 57 |
| S 23 | 19 49 | 16 21 | 0n38 | 12 55 | 0 23 | 8 7 | 1 21 | 3 45 | 0 19 | 8 17 | 1 2 | 20 57 | 1 44 | 22 13 | 0 23 | 20 15 | 1 37 | 13 29 | 14 16 | 18 47 | 18 43 | 14 28 | 8 57 | 1 57 |
| M24 | 19 37 | 11 19 | 1 48 | 12 20 | 0 13 | 7 38 | 1 19 | 3 59 | 0 18 | 8 19 | 1 2 | 20 57 | 1 44 | 22 12 | 0 23 | 20 15 | 1 37 | 13 28 | 14 16 | 18 47 | 18 44 | 14 31 | 8 57 | 1 57 |
| T 25 | 19 24 | 5 55 | 2 50 | 11 46 | 0 2 | 7 10 | 1 16 | 4 12 | 0 17 | 8 21 | 1 2 | 20 57 | 1 44 | 22 12 | 0 23 | 20 15 | 1 37 | 13 28 | 14 15 | 18 47 | 18 45 | 14 33 | 8 57 | 1 57 |
| W26 | 19 11 | 0 24 | 3 43 | 11 12 | 0s 9 | 6 41 | 1 13 | 4 26 | 0 16 | 8 23 | 1 2 | 20 57 | 1 44 | 22 11 | 0 23 | 20 15 | 1 37 | 13 27 | 14 15 | 18 47 | 18 45 | 14 36 | 8 57 | 1 57 |
| T 27 | 18 57 | 5n 1 | 4 25 | 10 39 | 0 20 | 6 12 | 1 10 | 4 40 | 0 15 | 8 25 | 1 3 | 20 57 | 1 44 | 22 11 | 0 23 | 20 15 | 1 37 | 13 26 | 14 15 | 18 47 | 18 46 | 14 38 | 8 57 | 1 57 |
| F 28 | 18 43 | 10 12 | 4 55 | 10 6 | 0 32 | 5 43 | 1 7 | 4 54 | 0 15 | 8 27 | 1 3 | 20 57 | 1 43 | 22 10 | 0 23 | 20 15 | 1 37 | 13 25 | 14 15 | 18 47 | 18 47 | 14 41 | 8 57 | 1 57 |
| S 29 | 18 29 | 14 58 | 5 13 | 9 33 | 0 43 | 5 14 | 1 3 | 5 8 | 0 14 | 8 29 | 1 3 | 20 57 | 1 43 | 22 10 | 0 23 | 20 15 | 1 37 | 13 24 | 14 14 | 18 47 | 18 48 | 14 44 | 8 57 | 1 57 |
| S 30 | 18 15 | 19 9 | 5 16 | 9 2 | 0 56 | 4 45 | 1 0 | 5 22 | 0 13 | 8 31 | 1 3 | 20 57 | 1 43 | 22 9 | 0 23 | 20 15 | 1 37 | 13 23 | 14 14 | 18 47 | 18 48 | 14 46 | 8 57 | 1 57 |
| M31 | 18n 0 | 22n37 | 5n 7 | 8n31 | 1s 8 | 4n15 | 0n56 | 5s37 | 0n12 | 8s33 | 1s 3 | 20s57 | 1n43 | 22n 9 | 0n23 | 20s15 | 1n37 | 13n23 | 14n14 | 18s47 | 18s49 | 14n49 | 8n57 | 1n57 |

Julian Day Number = 2801628.5, Delta T = 50m28s
Ecliptic obliquity = 23°18'59, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'25, Lahiri = 37°16'26


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# ASTRODIENST EPHEMERIS for the year 2958
# geocentric

## AUGUST 2958 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 39 50 | 9♌37'34 | 2♊16 | 5♍59 | 22♍31 | 15♎20 | 10°R27 | 16°R36 | 20♋29 | 10°R 2 | 29♍11 | 5♒36 | 5♒21 | 26♈21 | 18°R18 | T 1 |
| W 2 | 20 43 46 | 10°34'52 | 14°35 | 6°46 | 23°38 | 15°55 | 10♓22 | 16♐34 | 20°32 | 10♐ 1 | 29°12 | 5°36 | 5°18 | 26°28 | 18♈17 | W 2 |
| T 3 | 20 47 43 | 11°32'10 | 27°10 | 7°28 | 24°44 | 16°29 | 10°16 | 16°32 | 20°36 | 10° 0 | 29°14 | 5°37 | 5°15 | 26°35 | 18°17 | T 3 |
| F 4 | 20 51 39 | 12°29'29 | 10♋ 5 | 8° 8 | 25°50 | 17° 4 | 10°10 | 16°31 | 20°39 | 10° 0 | 29°16 | 5°37 | 5°12 | 26°42 | 18°16 | F 4 |
| S 5 | 20 55 36 | 13°26'49 | 23°20 | 8°43 | 26°56 | 17°39 | 10° 4 | 16°29 | 20°42 | 9°59 | 29°17 | 5°38 | 5° 9 | 26°48 | 18°15 | S 5 |
| S 6 | 20 59 33 | 14°24'09 | 6♌55 | 9°14 | 28° 2 | 18°14 | 9°57 | 16°28 | 20°46 | 9°59 | 29°19 | 5°R38 | 5° 6 | 26°55 | 18°14 | S 6 |
| M 7 | 21 3 29 | 15°21'30 | 20°50 | 9°41 | 29° 8 | 18°49 | 9°51 | 16°27 | 20°49 | 9°58 | 29°20 | 5°38 | 5° 2 | 27° 2 | 18°13 | M 7 |
| T 8 | 21 7 26 | 16°18'51 | 5♍ 0 | 10° 4 | 0♎13 | 19°24 | 9°45 | 16°25 | 20°53 | 9°58 | 29°22 | 5°37 | 4°59 | 27° 8 | 18°12 | T 8 |
| W 9 | 21 11 22 | 17°16'12 | 19°22 | 10°22 | 1°18 | 20° 0 | 9°38 | 16°24 | 20°56 | 9°57 | 29°24 | 5°36 | 4°56 | 27°15 | 18°12 | W 9 |
| T 10 | 21 15 19 | 18°13'34 | 3♎50 | 10°36 | 2°23 | 20°35 | 9°31 | 16°23 | 20°59 | 9°57 | 29°25 | 5°34 | 4°53 | 27°22 | 18°11 | T 10 |
| F 11 | 21 19 15 | 19°10'56 | 18°19 | 10°45 | 3°28 | 21°10 | 9°24 | 16°22 | 21° 2 | 9°57 | 29°27 | 5°33 | 4°50 | 27°29 | 18° 9 | F 11 |
| S 12 | 21 23 12 | 20° 8'19 | 2♏43 | 10°R49 | 4°33 | 21°46 | 9°17 | 16°22 | 21° 6 | 9°56 | 29°29 | 5°32 | 4°47 | 27°35 | 18° 8 | S 12 |
| S 13 | 21 27 8 | 21° 5'42 | 17° 0 | 10°47 | 5°37 | 22°22 | 9°10 | 16°21 | 21° 9 | 9°56 | 29°31 | 5°D31 | 4°43 | 27°42 | 18° 7 | S 13 |
| M14 | 21 31 5 | 22° 3'06 | 1♐ 6 | 10°41 | 6°41 | 22°58 | 9° 3 | 16°20 | 21°12 | 9°56 | 29°32 | 5°31 | 4°40 | 27°49 | 18° 6 | M14 |
| T 15 | 21 35 2 | 23° 0'30 | 15° 1 | 10°30 | 7°45 | 23°34 | 8°56 | 16°20 | 21°15 | 9°56 | 29°34 | 5°32 | 4°37 | 27°55 | 18° 5 | T 15 |
| W16 | 21 38 58 | 23°57'54 | 28°42 | 10°13 | 8°49 | 24°10 | 8°49 | 16°19 | 21°19 | 9°56 | 29°36 | 5°33 | 4°34 | 28° 2 | 18° 4 | W16 |
| T 17 | 21 42 55 | 24°55'19 | 12♑ 9 | 9°51 | 9°53 | 24°46 | 8°42 | 16°19 | 21°22 | 9°55 | 29°38 | 5°35 | 4°31 | 28° 9 | 18° 2 | T 17 |
| F 18 | 21 46 51 | 25°52'45 | 25°24 | 9°25 | 10°56 | 25°22 | 8°34 | 16°19 | 21°25 | 9°55 | 29°40 | 5°36 | 4°27 | 28°16 | 18° 1 | F 18 |
| S 19 | 21 50 48 | 26°50'11 | 8♒26 | 8°54 | 11°59 | 25°58 | 8°27 | 16°19 | 21°28 | 9°55 | 29°41 | 5°R36 | 4°24 | 28°22 | 17°59 | S 19 |
| S 20 | 21 54 44 | 27°47'38 | 21°14 | 8°19 | 13° 2 | 26°35 | 8°19 | 16°D19 | 21°31 | 9°55 | 29°43 | 5°35 | 4°21 | 28°29 | 17°58 | S 20 |
| M21 | 21 58 41 | 28°45'06 | 3♓50 | 7°39 | 14° 4 | 27°11 | 8°11 | 16°19 | 21°34 | 9°D55 | 29°45 | 5°33 | 4°18 | 28°36 | 17°56 | M21 |
| T 22 | 22 2 37 | 29°42'35 | 16°14 | 6°57 | 15° 6 | 27°48 | 8° 4 | 16°19 | 21°37 | 9°55 | 29°47 | 5°30 | 4°15 | 28°43 | 17°55 | T 22 |
| W23 | 22 6 34 | 0♍40'05 | 28°28 | 6°12 | 16° 8 | 28°25 | 7°56 | 16°19 | 21°40 | 9°55 | 29°49 | 5°26 | 4°12 | 28°49 | 17°53 | W23 |
| T 24 | 22 10 31 | 1°37'35 | 10♈32 | 5°25 | 17°10 | 29° 1 | 7°48 | 16°19 | 21°43 | 9°55 | 29°51 | 5°22 | 4° 8 | 28°56 | 17°52 | T 24 |
| F 25 | 22 14 27 | 2°35'07 | 22°29 | 4°36 | 18°11 | 29°38 | 7°41 | 16°20 | 21°46 | 9°55 | 29°53 | 5°18 | 4° 5 | 29° 3 | 17°50 | F 25 |
| S 26 | 22 18 24 | 3°32'41 | 4♉22 | 3°48 | 19°12 | 0♏15 | 7°33 | 16°20 | 21°49 | 9°55 | 29°55 | 5°14 | 4° 2 | 29° 9 | 17°48 | S 26 |
| S 27 | 22 22 20 | 4°30'16 | 16°15 | 3° 0 | 20°13 | 0°52 | 7°25 | 16°21 | 21°52 | 9°56 | 29°57 | 5°11 | 3°59 | 29°16 | 17°46 | S 27 |
| M28 | 22 26 17 | 5°27'52 | 28°11 | 2°14 | 21°14 | 1°29 | 7°17 | 16°22 | 21°55 | 9°56 | 29°59 | 5°10 | 3°56 | 29°23 | 17°45 | M28 |
| T 29 | 22 30 13 | 6°25'29 | 10♊16 | 1°30 | 22°14 | 2° 7 | 7° 9 | 16°23 | 21°57 | 9°56 | 0♎ 1 | 5°D10 | 3°52 | 29°30 | 17°43 | T 29 |
| W30 | 22 34 10 | 7°23'08 | 22°33 | 0°50 | 23°14 | 2°44 | 7° 1 | 16°24 | 22° 0 | 9°56 | 0° 3 | 5°10 | 3°49 | 29°36 | 17°41 | W30 |
| T 31 | 22 38 6 | 8♍20'48 | 5♋ 7 | 0♍14 | 24♎13 | 3♏22 | 6♓54 | 16♐25 | 22♋ 3 | 9♐57 | 0♎ 5 | 5♒12 | 3♒46 | 29♈43 | 17♈39 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n45 | 25n 8 | 4n43 | 8n 1 | 1s21 | 3n46 | 0n53 | 5s51 | 0n11 | 8s36 | 1s 4 | 20s57 | 1n43 | 22n 8 | 0n23 | 20s15 | 1n37 | 13n22 | 14n13 | 18s46 | 18s50 | 14n51 | 8n56 | 1n57 |
| W 2 | 17 30 | 26 31 | 4 6 | 7 32 | 1 34 | 3 16 | 0 49 | 6 5 | 0 10 | 8 38 | 1 4 | 20 57 | 1 42 | 22 8 | 0 23 | 20 14 | 1 37 | 13 21 | 14 13 | 18 46 | 18 51 | 14 54 | 8 56 | 1 57 |
| T 3 | 17 14 | 26 34 | 3 17 | 7 4 | 1 47 | 2 47 | 0 46 | 6 19 | 0 9 | 8 40 | 1 4 | 20 57 | 1 42 | 22 7 | 0 23 | 20 14 | 1 37 | 13 20 | 14 13 | 18 46 | 18 51 | 14 56 | 8 56 | 1 57 |
| F 4 | 16 58 | 25 13 | 2 17 | 6 37 | 2 0 | 2 17 | 0 42 | 6 33 | 0 8 | 8 43 | 1 4 | 20 57 | 1 42 | 22 7 | 0 23 | 20 14 | 1 37 | 13 19 | 14 13 | 18 46 | 18 52 | 14 59 | 8 56 | 1 57 |
| S 5 | 16 42 | 22 25 | 1 8 | 6 12 | 2 13 | 1 47 | 0 38 | 6 47 | 0 7 | 8 45 | 1 5 | 20 57 | 1 42 | 22 6 | 0 23 | 20 14 | 1 37 | 13 18 | 14 12 | 18 46 | 18 53 | 15 2 | 8 56 | 1 57 |
| S 6 | 16 26 | 18 20 | 0s 7 | 5 48 | 2 27 | 1 18 | 0 34 | 7 1 | 0 6 | 8 48 | 1 5 | 20 57 | 1 42 | 22 6 | 0 23 | 20 14 | 1 37 | 13 17 | 14 12 | 18 46 | 18 54 | 15 4 | 8 55 | 1 57 |
| M 7 | 16 9 | 13 10 | 1 23 | 5 25 | 2 40 | 0 48 | 0 30 | 7 15 | 0 6 | 8 50 | 1 5 | 20 57 | 1 41 | 22 5 | 0 23 | 20 14 | 1 37 | 13 17 | 14 12 | 18 46 | 18 55 | 15 7 | 8 55 | 1 57 |
| T 8 | 15 52 | 7 13 | 2 35 | 5 5 | 2 53 | 0 18 | 0 25 | 7 29 | 0 5 | 8 53 | 1 5 | 20 57 | 1 41 | 22 5 | 0 23 | 20 14 | 1 36 | 13 16 | 14 12 | 18 46 | 18 55 | 15 9 | 8 55 | 1 57 |
| W 9 | 15 35 | 0 50 | 3 39 | 4 46 | 3 6 | 0s12 | 0 21 | 7 43 | 0 4 | 8 56 | 1 5 | 20 57 | 1 41 | 22 4 | 0 23 | 20 14 | 1 36 | 13 15 | 14 11 | 18 47 | 18 56 | 15 12 | 8 54 | 1 57 |
| T 10 | 15 17 | 5s38 | 4 29 | 4 29 | 3 19 | 0 41 | 0 17 | 7 57 | 0 3 | 8 58 | 1 6 | 20 57 | 1 41 | 22 4 | 0 23 | 20 14 | 1 36 | 13 14 | 14 11 | 18 47 | 18 57 | 15 14 | 8 54 | 1 57 |
| F 11 | 15 0 | 11 47 | 5 2 | 4 14 | 3 32 | 1 11 | 0 12 | 8 11 | 0 2 | 9 1 | 1 6 | 20 57 | 1 40 | 22 3 | 0 23 | 20 14 | 1 36 | 13 13 | 14 11 | 18 47 | 18 58 | 15 17 | 8 54 | 1 57 |
| S 12 | 14 42 | 17 17 | 5 15 | 4 1 | 3 44 | 1 41 | 0 7 | 8 25 | 0 1 | 9 4 | 1 6 | 20 58 | 1 40 | 22 3 | 0 23 | 20 14 | 1 36 | 13 12 | 14 11 | 18 47 | 18 58 | 15 20 | 8 53 | 1 57 |
| S 13 | 14 24 | 21 46 | 5 9 | 3 51 | 3 56 | 2 11 | 0 3 | 8 39 | 0 0 | 9 7 | 1 6 | 20 58 | 1 40 | 22 2 | 0 23 | 20 14 | 1 36 | 13 11 | 14 10 | 18 48 | 18 59 | 15 22 | 8 53 | 1 57 |
| M14 | 14 5 | 24 55 | 4 45 | 3 43 | 4 7 | 2 40 | 0s 2 | 8 53 | 0s 0 | 9 9 | 1 6 | 20 58 | 1 40 | 22 2 | 0 23 | 20 14 | 1 36 | 13 10 | 14 10 | 18 48 | 19 0 | 15 25 | 8 52 | 1 57 |
| T 15 | 13 47 | 26 31 | 4 4 | 3 37 | 4 17 | 3 10 | 0 7 | 9 7 | 0 1 | 9 12 | 1 6 | 20 58 | 1 40 | 22 1 | 0 23 | 20 14 | 1 36 | 13 10 | 14 10 | 18 47 | 19 1 | 15 27 | 8 52 | 1 57 |
| W16 | 13 28 | 26 28 | 3 10 | 3 35 | 4 26 | 3 40 | 0 12 | 9 21 | 0 2 | 9 15 | 1 7 | 20 58 | 1 39 | 22 1 | 0 23 | 20 14 | 1 36 | 13 9 | 14 10 | 18 47 | 19 1 | 15 30 | 8 51 | 1 57 |
| T 17 | 13 9 | 24 51 | 2 6 | 3 35 | 4 35 | 4 9 | 0 17 | 9 35 | 0 3 | 9 18 | 1 7 | 20 58 | 1 39 | 22 0 | 0 23 | 20 14 | 1 36 | 13 8 | 14 10 | 18 47 | 19 2 | 15 32 | 8 51 | 1 57 |
| F 18 | 12 50 | 21 52 | 0 56 | 3 38 | 4 42 | 4 39 | 0 22 | 9 49 | 0 4 | 9 21 | 1 7 | 20 59 | 1 39 | 22 0 | 0 23 | 20 15 | 1 36 | 13 7 | 14 9 | 18 47 | 19 3 | 15 35 | 8 50 | 1 57 |
| S 19 | 12 30 | 17 49 | 0n16 | 3 44 | 4 48 | 5 8 | 0 27 | 10 3 | 0 4 | 9 24 | 1 7 | 20 59 | 1 39 | 22 0 | 0 23 | 20 15 | 1 36 | 13 6 | 14 9 | 18 46 | 19 4 | 15 37 | 8 50 | 1 57 |
| S 20 | 12 11 | 13 0 | 1 25 | 3 53 | 4 53 | 5 37 | 0 32 | 10 17 | 0 5 | 9 27 | 1 7 | 20 59 | 1 38 | 21 59 | 0 23 | 20 15 | 1 36 | 13 5 | 14 9 | 18 47 | 19 4 | 15 40 | 8 49 | 1 57 |
| M21 | 11 51 | 7 44 | 2 29 | 4 4 | 4 56 | 6 6 | 0 38 | 10 31 | 0 6 | 9 30 | 1 7 | 20 59 | 1 38 | 21 59 | 0 23 | 20 15 | 1 36 | 13 4 | 14 9 | 18 47 | 19 5 | 15 42 | 8 49 | 1 57 |
| T 22 | 11 31 | 2 15 | 3 25 | 4 18 | 4 58 | 6 35 | 0 43 | 10 45 | 0 7 | 9 33 | 1 8 | 21 0 | 1 38 | 21 58 | 0 23 | 20 15 | 1 36 | 13 3 | 14 9 | 18 48 | 19 6 | 15 45 | 8 48 | 1 57 |
| W23 | 11 11 | 3n13 | 4 10 | 4 35 | 4 57 | 7 4 | 0 49 | 10 58 | 0 8 | 9 36 | 1 8 | 21 0 | 1 38 | 21 58 | 0 23 | 20 15 | 1 36 | 13 2 | 14 9 | 18 49 | 19 7 | 15 47 | 8 48 | 1 57 |
| T 24 | 10 51 | 8 30 | 4 44 | 4 54 | 4 55 | 7 33 | 0 54 | 11 12 | 0 8 | 9 39 | 1 8 | 21 0 | 1 38 | 21 57 | 0 23 | 20 15 | 1 36 | 13 1 | 14 8 | 18 50 | 19 7 | 15 50 | 8 47 | 1 57 |
| F 25 | 10 30 | 13 25 | 5 5 | 5 15 | 4 51 | 8 1 | 1 0 | 11 26 | 0 9 | 9 42 | 1 8 | 21 0 | 1 37 | 21 57 | 0 23 | 20 15 | 1 36 | 13 1 | 14 8 | 18 51 | 19 8 | 15 52 | 8 46 | 1 57 |
| S 26 | 10 9 | 17 49 | 5 13 | 5 37 | 4 45 | 8 30 | 1 6 | 11 39 | 0 10 | 9 45 | 1 8 | 21 1 | 1 37 | 21 56 | 0 23 | 20 15 | 1 35 | 13 0 | 14 8 | 18 52 | 19 9 | 15 55 | 8 46 | 1 57 |
| S 27 | 9 49 | 21 31 | 5 7 | 6 2 | 4 38 | 8 58 | 1 12 | 11 53 | 0 11 | 9 48 | 1 8 | 21 1 | 1 37 | 21 56 | 0 23 | 20 15 | 1 35 | 12 59 | 14 8 | 18 52 | 19 10 | 15 57 | 8 45 | 1 57 |
| M28 | 9 28 | 24 20 | 4 48 | 6 27 | 4 28 | 9 26 | 1 18 | 12 7 | 0 11 | 9 51 | 1 8 | 21 1 | 1 37 | 21 56 | 0 23 | 20 15 | 1 35 | 12 58 | 14 8 | 18 53 | 19 10 | 16 0 | 8 44 | 1 57 |
| T 29 | 9 7 | 26 6 | 4 16 | 6 52 | 4 17 | 9 54 | 1 23 | 12 20 | 0 12 | 9 54 | 1 8 | 21 1 | 1 36 | 21 55 | 0 23 | 20 15 | 1 35 | 12 57 | 14 8 | 18 53 | 19 11 | 16 2 | 8 44 | 1 57 |
| W30 | 8 45 | 26 38 | 3 32 | 7 18 | 4 5 | 10 22 | 1 29 | 12 34 | 0 13 | 9 57 | 1 8 | 21 2 | 1 36 | 21 55 | 0 23 | 20 15 | 1 35 | 12 56 | 14 8 | 18 53 | 19 12 | 16 4 | 8 43 | 1 57 |
| T 31 | 8n24 | 25n50 | 2n37 | 7n44 | 3s51 | 10s50 | 1s36 | 12s47 | 0s14 | 10s 0 | 1s 9 | 21s 2 | 1n36 | 21n54 | 0n23 | 20s15 | 1n35 | 12n55 | 14n 8 | 18s52 | 19s13 | 16n 7 | 8n42 | 1n57 |

Julian Day Number = 2801659.5, Delta T = 50m28s
Ecliptic obliquity = 23°18'59, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'30, Lahiri = 37°16'30


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# ASTRODIENST EPHEMERIS for the year 2958
# geocentric

## SEPTEMBER 2958 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 22 42 3 | 9♍18'30 | 18♋ 3 | 29°R43 | 25♎12 | 3♏59 | 6°R46 | 16♐26 | 22♋ 6 | 9♐57 | 0♎ 7 | 5♒13 | 3♒43 | 29♈50 | 17°R37 | F 1 |
| S 2 | 22 46 0 | 10°16'13 | 1♌23 | 29♌18 | 26°11 | 4°37 | 6♓38 | 16°27 | 22° 8 | 9°57 | 0° 9 | 5°R14 | 3°40 | 29°56 | 17♈35 | S 2 |
| S 3 | 22 49 56 | 11°13'58 | 15° 9 | 28°59 | 27° 9 | 5°15 | 6°30 | 16°28 | 22°11 | 9°58 | 0°11 | 5°14 | 3°37 | 0♉ 3 | 17°33 | S 3 |
| M 4 | 22 53 53 | 12°11'44 | 29°20 | 28°46 | 28° 7 | 5°52 | 6°22 | 16°30 | 22°14 | 9°58 | 0°13 | 5°12 | 3°33 | 0°10 | 17°31 | M 4 |
| T 5 | 22 57 49 | 13° 9'31 | 13♍52 | 28°D42 | 29° 5 | 6°30 | 6°15 | 16°31 | 22°16 | 9°59 | 0°15 | 5° 8 | 3°30 | 0°17 | 17°29 | T 5 |
| W 6 | 23 1 46 | 14° 7'20 | 28°39 | 28°44 | 0♏ 2 | 7° 8 | 6° 7 | 16°33 | 22°19 | 9°59 | 0°17 | 5° 3 | 3°27 | 0°23 | 17°27 | W 6 |
| T 7 | 23 5 42 | 15° 5'10 | 13♎34 | 28°55 | 0°59 | 7°47 | 5°59 | 16°35 | 22°21 | 10° 0 | 0°19 | 4°57 | 3°24 | 0°30 | 17°24 | T 7 |
| F 8 | 23 9 39 | 16° 3'01 | 28°27 | 29°13 | 1°55 | 8°25 | 5°51 | 16°37 | 22°24 | 10° 0 | 0°21 | 4°52 | 3°21 | 0°37 | 17°22 | F 8 |
| S 9 | 23 13 35 | 17° 0'54 | 13♏11 | 29°39 | 2°51 | 9° 3 | 5°44 | 16°38 | 22°26 | 10° 1 | 0°23 | 4°47 | 3°18 | 0°44 | 17°20 | S 9 |
| S 10 | 23 17 32 | 17°58'47 | 27°39 | 0♍12 | 3°46 | 9°41 | 5°36 | 16°40 | 22°29 | 10° 1 | 0°25 | 4°43 | 3°14 | 0°50 | 17°18 | S 10 |
| M11 | 23 21 29 | 18°56'42 | 11♐48 | 0°54 | 4°41 | 10°20 | 5°29 | 16°43 | 22°31 | 10° 2 | 0°28 | 4°42 | 3°11 | 0°57 | 17°15 | M11 |
| T 12 | 23 25 25 | 19°54'38 | 25°37 | 1°43 | 5°35 | 10°58 | 5°22 | 16°45 | 22°33 | 10° 3 | 0°30 | 4°D41 | 3° 8 | 1° 4 | 17°13 | T 12 |
| W13 | 23 29 22 | 20°52'35 | 9♑ 7 | 2°39 | 6°29 | 11°37 | 5°14 | 16°47 | 22°35 | 10° 3 | 0°32 | 4°42 | 3° 5 | 1°10 | 17°11 | W13 |
| T 14 | 23 33 18 | 21°50'33 | 22°18 | 3°42 | 7°22 | 12°16 | 5° 7 | 16°49 | 22°38 | 10° 4 | 0°34 | 4°44 | 3° 2 | 1°17 | 17° 8 | T 14 |
| F 15 | 23 37 15 | 22°48'33 | 5♒13 | 4°52 | 8°14 | 12°55 | 5° 0 | 16°52 | 22°40 | 10° 5 | 0°36 | 4°R44 | 2°58 | 1°24 | 17° 6 | F 15 |
| S 16 | 23 41 11 | 23°46'34 | 17°54 | 6° 8 | 9° 6 | 13°34 | 4°53 | 16°54 | 22°42 | 10° 6 | 0°38 | 4°43 | 2°55 | 1°31 | 17° 3 | S 16 |
| S 17 | 23 45 8 | 24°44'36 | 0♓25 | 7°29 | 9°58 | 14°13 | 4°46 | 16°57 | 22°44 | 10° 7 | 0°40 | 4°40 | 2°52 | 1°37 | 17° 1 | S 17 |
| M18 | 23 49 4 | 25°42'40 | 12°45 | 8°56 | 10°48 | 14°52 | 4°39 | 17° 0 | 22°46 | 10° 7 | 0°42 | 4°35 | 2°49 | 1°44 | 16°58 | M18 |
| T 19 | 23 53 1 | 26°40'45 | 24°57 | 10°28 | 11°38 | 15°31 | 4°32 | 17° 3 | 22°48 | 10° 8 | 0°45 | 4°27 | 2°46 | 1°51 | 16°56 | T 19 |
| W20 | 23 56 57 | 27°38'52 | 7♈ 2 | 12° 4 | 12°27 | 16°10 | 4°26 | 17° 6 | 22°50 | 10° 9 | 0°47 | 4°18 | 2°43 | 1°57 | 16°53 | W20 |
| T 21 | 0 0 54 | 28°37'00 | 19° 1 | 13°44 | 13°16 | 16°49 | 4°19 | 17° 9 | 22°52 | 10°10 | 0°49 | 4° 8 | 2°39 | 2° 4 | 16°51 | T 21 |
| F 22 | 0 4 51 | 29°35'10 | 0♉55 | 15°27 | 14° 4 | 17°29 | 4°13 | 17°12 | 22°54 | 10°11 | 0°51 | 3°58 | 2°36 | 2°11 | 16°48 | F 22 |
| S 23 | 0 8 47 | 0♎33'22 | 12°47 | 17°13 | 14°51 | 18° 8 | 4° 6 | 17°15 | 22°56 | 10°12 | 0°53 | 3°48 | 2°33 | 2°18 | 16°46 | S 23 |
| S 24 | 0 12 44 | 1°31'36 | 24°39 | 19° 1 | 15°37 | 18°48 | 4° 0 | 17°18 | 22°58 | 10°13 | 0°55 | 3°40 | 2°30 | 2°24 | 16°43 | S 24 |
| M25 | 0 16 40 | 2°29'52 | 6♊34 | 20°51 | 16°22 | 19°27 | 3°54 | 17°21 | 22°59 | 10°14 | 0°57 | 3°34 | 2°27 | 2°31 | 16°40 | M25 |
| T 26 | 0 20 37 | 3°28'10 | 18°36 | 22°42 | 17° 7 | 20° 7 | 3°48 | 17°25 | 23° 1 | 10°16 | 1° 0 | 3°31 | 2°24 | 2°38 | 16°38 | T 26 |
| W27 | 0 24 33 | 4°26'30 | 0♋50 | 24°35 | 17°50 | 20°47 | 3°43 | 17°28 | 23° 3 | 10°17 | 1° 2 | 3°D30 | 2°20 | 2°45 | 16°35 | W27 |
| T 28 | 0 28 30 | 5°24'52 | 13°20 | 26°28 | 18°33 | 21°27 | 3°37 | 17°32 | 23° 5 | 10°18 | 1° 4 | 3°30 | 2°17 | 2°51 | 16°33 | T 28 |
| F 29 | 0 32 26 | 6°23'16 | 26°11 | 28°21 | 19°14 | 22° 7 | 3°31 | 17°36 | 23° 6 | 10°19 | 1° 6 | 3°31 | 2°14 | 2°58 | 16°30 | F 29 |
| S 30 | 0 36 23 | 7♎21'43 | 9♌28 | 0♎15 | 19♏55 | 22♏47 | 3♓26 | 17♐39 | 23♋ 8 | 10♐20 | 1♎ 8 | 3°R31 | 2♒11 | 3♉ 5 | 16♈27 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 8n 2 | 23n38 | 1n32 | 8n 9 | 3s36 | 11s17 | 1s42 | 13s 0 | 0s14 | 10s 3 | 1s 9 | 21s 2 | 1n36 | 21n54 | 0n23 | 20s16 | 1n35 | 12n54 | 14n 8 | 18s52 | 19s13 | 16n 9 | 8n41 | 1n57 |
| S 2 | 7 41 | 20 5 | 0 21 | 8 33 | 3 19 | 11 44 | 1 48 | 13 14 | 0 15 | 10 6 | 1 9 | 21 3 | 1 36 | 21 53 | 0 23 | 20 16 | 1 35 | 12 53 | 14 7 | 18 52 | 19 14 | 16 12 | 8 41 | 1 57 |
| S 3 | 7 19 | 15 21 | 0s54 | 8 55 | 3 2 | 12 11 | 1 54 | 13 27 | 0 16 | 10 9 | 1 9 | 21 3 | 1 35 | 21 53 | 0 23 | 20 16 | 1 35 | 12 53 | 14 7 | 18 52 | 19 15 | 16 14 | 8 40 | 1 57 |
| M 4 | 6 57 | 9 39 | 2 7 | 9 16 | 2 45 | 12 38 | 2 1 | 13 40 | 0 17 | 10 12 | 1 9 | 21 4 | 1 35 | 21 53 | 0 23 | 20 16 | 1 35 | 12 52 | 14 7 | 18 52 | 19 16 | 16 17 | 8 39 | 1 57 |
| T 5 | 6 35 | 3 19 | 3 14 | 9 34 | 2 27 | 13 4 | 2 7 | 13 53 | 0 17 | 10 15 | 1 9 | 21 4 | 1 35 | 21 52 | 0 23 | 20 16 | 1 35 | 12 51 | 14 7 | 18 53 | 19 16 | 16 19 | 8 38 | 1 57 |
| W 6 | 6 13 | 3s17 | 4 9 | 9 51 | 2 8 | 13 30 | 2 13 | 14 7 | 0 18 | 10 18 | 1 9 | 21 4 | 1 35 | 21 52 | 0 23 | 20 16 | 1 35 | 12 50 | 14 7 | 18 54 | 19 17 | 16 22 | 8 37 | 1 57 |
| T 7 | 5 51 | 9 45 | 4 48 | 10 4 | 1 50 | 13 56 | 2 20 | 14 20 | 0 19 | 10 20 | 1 9 | 21 5 | 1 34 | 21 51 | 0 23 | 20 16 | 1 35 | 12 49 | 14 7 | 18 56 | 19 18 | 16 24 | 8 36 | 1 57 |
| F 8 | 5 29 | 15 39 | 5 7 | 10 15 | 1 32 | 14 22 | 2 26 | 14 32 | 0 19 | 10 23 | 1 9 | 21 5 | 1 34 | 21 51 | 0 23 | 20 16 | 1 35 | 12 48 | 14 7 | 18 57 | 19 18 | 16 26 | 8 36 | 1 57 |
| S 9 | 5 6 | 20 34 | 5 6 | 10 23 | 1 14 | 14 47 | 2 33 | 14 45 | 0 20 | 10 26 | 1 9 | 21 5 | 1 34 | 21 51 | 0 23 | 20 17 | 1 35 | 12 47 | 14 7 | 18 58 | 19 19 | 16 29 | 8 35 | 1 57 |
| S 10 | 4 44 | 24 9 | 4 45 | 10 28 | 0 56 | 15 12 | 2 39 | 14 58 | 0 21 | 10 29 | 1 9 | 21 6 | 1 34 | 21 50 | 0 23 | 20 17 | 1 35 | 12 46 | 14 7 | 18 59 | 19 20 | 16 31 | 8 34 | 1 57 |
| M11 | 4 21 | 26 10 | 4 7 | 10 29 | 0 39 | 15 37 | 2 46 | 15 11 | 0 21 | 10 32 | 1 9 | 21 6 | 1 34 | 21 50 | 0 23 | 20 17 | 1 35 | 12 46 | 14 7 | 19 0 | 19 21 | 16 34 | 8 33 | 1 57 |
| T 12 | 3 59 | 26 30 | 3 15 | 10 27 | 0 23 | 16 2 | 2 53 | 15 24 | 0 22 | 10 34 | 1 9 | 21 7 | 1 33 | 21 50 | 0 24 | 20 17 | 1 35 | 12 45 | 14 7 | 19 0 | 19 21 | 16 36 | 8 32 | 1 57 |
| W13 | 3 36 | 25 14 | 2 14 | 10 22 | 0 7 | 16 26 | 2 59 | 15 36 | 0 23 | 10 37 | 1 9 | 21 7 | 1 33 | 21 49 | 0 24 | 20 17 | 1 34 | 12 44 | 14 7 | 18 59 | 19 22 | 16 38 | 8 31 | 1 57 |
| T 14 | 3 13 | 22 35 | 1 7 | 10 13 | 0n 7 | 16 50 | 3 6 | 15 49 | 0 23 | 10 40 | 1 9 | 21 8 | 1 33 | 21 49 | 0 24 | 20 17 | 1 34 | 12 43 | 14 7 | 18 59 | 19 23 | 16 41 | 8 30 | 1 57 |
| F 15 | 2 50 | 18 50 | 0n 3 | 10 1 | 0 21 | 17 13 | 3 13 | 16 1 | 0 24 | 10 42 | 1 9 | 21 8 | 1 33 | 21 49 | 0 24 | 20 17 | 1 34 | 12 42 | 14 7 | 18 59 | 19 24 | 16 43 | 8 29 | 1 57 |
| S 16 | 2 28 | 14 16 | 1 10 | 9 45 | 0 34 | 17 37 | 3 20 | 16 13 | 0 25 | 10 45 | 1 9 | 21 8 | 1 33 | 21 48 | 0 24 | 20 18 | 1 34 | 12 41 | 14 7 | 18 59 | 19 24 | 16 46 | 8 28 | 1 57 |
| S 17 | 2 5 | 9 11 | 2 14 | 9 26 | 0 46 | 18 0 | 3 27 | 16 26 | 0 25 | 10 47 | 1 9 | 21 9 | 1 32 | 21 48 | 0 24 | 20 18 | 1 34 | 12 41 | 14 7 | 19 0 | 19 25 | 16 48 | 8 27 | 1 57 |
| M18 | 1 42 | 3 49 | 3 10 | 9 3 | 0 57 | 18 22 | 3 33 | 16 38 | 0 26 | 10 50 | 1 9 | 21 9 | 1 32 | 21 48 | 0 24 | 20 18 | 1 34 | 12 40 | 14 7 | 19 1 | 19 26 | 16 50 | 8 26 | 1 57 |
| T 19 | 1 19 | 1n37 | 3 56 | 8 38 | 1 7 | 18 44 | 3 40 | 16 50 | 0 27 | 10 52 | 1 9 | 21 10 | 1 32 | 21 47 | 0 24 | 20 18 | 1 34 | 12 39 | 14 7 | 19 3 | 19 26 | 16 53 | 8 25 | 1 57 |
| W20 | 0 56 | 6 56 | 4 31 | 8 10 | 1 16 | 19 6 | 3 47 | 17 2 | 0 27 | 10 55 | 1 9 | 21 10 | 1 32 | 21 47 | 0 24 | 20 18 | 1 34 | 12 38 | 14 7 | 19 5 | 19 27 | 16 55 | 8 24 | 1 57 |
| T 21 | 0 33 | 11 57 | 4 54 | 7 39 | 1 23 | 19 27 | 3 54 | 17 13 | 0 28 | 10 57 | 1 9 | 21 11 | 1 31 | 21 47 | 0 24 | 20 19 | 1 34 | 12 37 | 14 7 | 19 8 | 19 28 | 16 57 | 8 23 | 1 57 |
| F 22 | 0 10 | 16 29 | 5 4 | 7 5 | 1 30 | 19 48 | 4 1 | 17 25 | 0 29 | 11 0 | 1 9 | 21 11 | 1 31 | 21 46 | 0 24 | 20 19 | 1 34 | 12 36 | 14 7 | 19 10 | 19 29 | 17 0 | 8 22 | 1 57 |
| S 23 | 0s13 | 20 22 | 5 1 | 6 29 | 1 35 | 20 9 | 4 8 | 17 37 | 0 29 | 11 2 | 1 9 | 21 12 | 1 31 | 21 46 | 0 24 | 20 19 | 1 34 | 12 36 | 14 7 | 19 12 | 19 29 | 17 2 | 8 21 | 1 57 |
| S 24 | 0 36 | 23 26 | 4 45 | 5 51 | 1 40 | 20 29 | 4 14 | 17 48 | 0 30 | 11 4 | 1 9 | 21 12 | 1 31 | 21 46 | 0 24 | 20 19 | 1 34 | 12 35 | 14 7 | 19 14 | 19 30 | 17 5 | 8 20 | 1 57 |
| M25 | 0 59 | 25 30 | 4 16 | 5 12 | 1 43 | 20 49 | 4 21 | 18 0 | 0 30 | 11 6 | 1 9 | 21 13 | 1 31 | 21 46 | 0 24 | 20 19 | 1 34 | 12 34 | 14 7 | 19 15 | 19 31 | 17 7 | 8 19 | 1 57 |
| T 26 | 1 22 | 26 25 | 3 36 | 4 30 | 1 46 | 21 8 | 4 28 | 18 11 | 0 31 | 11 8 | 1 9 | 21 13 | 1 30 | 21 45 | 0 24 | 20 20 | 1 34 | 12 33 | 14 7 | 19 16 | 19 32 | 17 9 | 8 18 | 1 57 |
| W27 | 1 45 | 26 4 | 2 45 | 3 48 | 1 48 | 21 27 | 4 35 | 18 22 | 0 32 | 11 10 | 1 9 | 21 14 | 1 30 | 21 45 | 0 24 | 20 20 | 1 34 | 12 33 | 14 7 | 19 16 | 19 32 | 17 12 | 8 17 | 1 57 |
| T 28 | 2 8 | 24 24 | 1 46 | 3 4 | 1 49 | 21 46 | 4 41 | 18 33 | 0 32 | 11 12 | 1 9 | 21 14 | 1 30 | 21 45 | 0 24 | 20 20 | 1 34 | 12 32 | 14 7 | 19 16 | 19 33 | 17 14 | 8 16 | 1 57 |
| F 29 | 2 31 | 21 27 | 0 39 | 2 19 | 1 49 | 22 4 | 4 48 | 18 44 | 0 33 | 11 14 | 1 9 | 21 15 | 1 30 | 21 45 | 0 24 | 20 20 | 1 34 | 12 31 | 14 7 | 19 16 | 19 34 | 17 16 | 8 15 | 1 57 |
| S 30 | 2s54 | 17n17 | 0s32 | 1n33 | 1n48 | 22s21 | 4s55 | 18s55 | 0s33 | 11s16 | 1s 9 | 21s16 | 1n30 | 21n44 | 0n24 | 20s20 | 1n34 | 12n30 | 14n 8 | 19s16 | 19s34 | 17n18 | 8n14 | 1n56 |

Julian Day Number = 2801690.5, Delta T = 50m29s
Ecliptic obliquity = 23°19'00, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'34, Lahiri = 37°16'34


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# ASTRODIENST EPHEMERIS for the year 2958
# geocentric

## OCTOBER 2958 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 40 20 | 8♎20'11 | 23♌14 | 2♎ 8 | 20♏35 | 23♏27 | 3°R21 | 17♐43 | 23♋ 9 | 10♐22 | 1♎10 | 3°R29 | 2♒ 8 | 3♉11 | 16°R25 | S 1 |
| M 2 | 0 44 16 | 9°18'41 | 7♍28 | 4° 2 | 21°13 | 24° 7 | 3♓16 | 17°47 | 23°11 | 10°23 | 1°12 | 3♒25 | 2° 4 | 3°18 | 16♈22 | M 2 |
| T 3 | 0 48 13 | 10°17'13 | 22° 9 | 5°55 | 21°50 | 24°48 | 3°11 | 17°51 | 23°12 | 10°24 | 1°15 | 3°19 | 2° 1 | 3°25 | 16°19 | T 3 |
| W 4 | 0 52 9 | 11°15'47 | 7♎11 | 7°47 | 22°26 | 25°28 | 3° 7 | 17°55 | 23°13 | 10°25 | 1°17 | 3°10 | 1°58 | 3°32 | 16°16 | W 4 |
| T 5 | 0 56 6 | 12°14'23 | 22°24 | 9°39 | 23° 1 | 26° 8 | 3° 2 | 17°59 | 23°15 | 10°27 | 1°19 | 3° 0 | 1°55 | 3°38 | 16°14 | T 5 |
| F 6 | 1 0 2 | 13°13'01 | 7♏38 | 11°29 | 23°35 | 26°49 | 2°58 | 18° 4 | 23°16 | 10°28 | 1°21 | 2°50 | 1°52 | 3°45 | 16°11 | F 6 |
| S 7 | 1 3 59 | 14°11'40 | 22°41 | 13°20 | 24° 7 | 27°30 | 2°54 | 18° 8 | 23°17 | 10°30 | 1°23 | 2°41 | 1°49 | 3°52 | 16° 8 | S 7 |
| S 8 | 1 7 55 | 15°10'22 | 7♐26 | 15° 9 | 24°38 | 28°10 | 2°50 | 18°12 | 23°18 | 10°31 | 1°25 | 2°34 | 1°45 | 3°59 | 16° 5 | S 8 |
| M 9 | 1 11 52 | 16° 9'05 | 21°47 | 16°57 | 25° 7 | 28°51 | 2°46 | 18°17 | 23°19 | 10°32 | 1°27 | 2°30 | 1°42 | 4° 5 | 16° 3 | M 9 |
| T 10 | 1 15 49 | 17° 7'49 | 5♑41 | 18°45 | 25°35 | 29°32 | 2°42 | 18°21 | 23°20 | 10°34 | 1°29 | 2°28 | 1°39 | 4°12 | 16° 0 | T 10 |
| W11 | 1 19 45 | 18° 6'36 | 19° 9 | 20°32 | 26° 1 | 0♐13 | 2°39 | 18°26 | 23°21 | 10°35 | 1°31 | 2°D27 | 1°36 | 4°19 | 15°57 | W11 |
| T 12 | 1 23 42 | 19° 5'23 | 2♒14 | 22°17 | 26°26 | 0°54 | 2°35 | 18°30 | 23°22 | 10°37 | 1°34 | 2°R27 | 1°33 | 4°25 | 15°55 | T 12 |
| F 13 | 1 27 38 | 20° 4'13 | 14°59 | 24° 2 | 26°49 | 1°35 | 2°32 | 18°35 | 23°23 | 10°39 | 1°36 | 2°27 | 1°29 | 4°32 | 15°52 | F 13 |
| S 14 | 1 31 35 | 21° 3'04 | 27°29 | 25°46 | 27°10 | 2°16 | 2°30 | 18°40 | 23°24 | 10°40 | 1°38 | 2°25 | 1°26 | 4°39 | 15°49 | S 14 |
| S 15 | 1 35 31 | 22° 1'57 | 9♓46 | 27°29 | 27°29 | 2°58 | 2°27 | 18°45 | 23°25 | 10°42 | 1°40 | 2°20 | 1°23 | 4°46 | 15°46 | S 15 |
| M16 | 1 39 28 | 23° 0'51 | 21°55 | 29°11 | 27°46 | 3°39 | 2°24 | 18°50 | 23°25 | 10°43 | 1°42 | 2°12 | 1°20 | 4°52 | 15°44 | M16 |
| T 17 | 1 43 24 | 23°59'48 | 3♈57 | 0♏52 | 28° 2 | 4°20 | 2°22 | 18°55 | 23°26 | 10°45 | 1°44 | 2° 1 | 1°17 | 4°59 | 15°41 | T 17 |
| W18 | 1 47 21 | 24°58'46 | 15°54 | 2°32 | 28°15 | 5° 2 | 2°20 | 19° 0 | 23°27 | 10°47 | 1°46 | 1°48 | 1°14 | 5° 6 | 15°38 | W18 |
| T 19 | 1 51 18 | 25°57'46 | 27°49 | 4°12 | 28°26 | 5°43 | 2°18 | 19° 5 | 23°27 | 10°48 | 1°48 | 1°34 | 1°10 | 5°12 | 15°36 | T 19 |
| F 20 | 1 55 14 | 26°56'48 | 9♉42 | 5°50 | 28°35 | 6°25 | 2°16 | 19°10 | 23°28 | 10°50 | 1°50 | 1°20 | 1° 7 | 5°19 | 15°33 | F 20 |
| S 21 | 1 59 11 | 27°55'52 | 21°34 | 7°28 | 28°42 | 7° 7 | 2°15 | 19°16 | 23°28 | 10°52 | 1°52 | 1° 6 | 1° 4 | 5°26 | 15°30 | S 21 |
| S 22 | 2 3 7 | 28°54'59 | 3♊27 | 9° 5 | 28°47 | 7°49 | 2°13 | 19°21 | 23°29 | 10°54 | 1°54 | 0°55 | 1° 1 | 5°33 | 15°28 | S 22 |
| M23 | 2 7 4 | 29°54'07 | 15°24 | 10°42 | 28°50 | 8°30 | 2°12 | 19°26 | 23°29 | 10°55 | 1°56 | 0°46 | 0°58 | 5°39 | 15°25 | M23 |
| T 24 | 2 11 0 | 0♏53'18 | 27°28 | 12°17 | 28°R50 | 9°12 | 2°11 | 19°32 | 23°29 | 10°57 | 1°58 | 0°41 | 0°55 | 5°46 | 15°22 | T 24 |
| W25 | 2 14 57 | 1°52'31 | 9♋41 | 13°52 | 28°48 | 9°54 | 2°11 | 19°37 | 23°30 | 10°59 | 2° 0 | 0°37 | 0°51 | 5°53 | 15°20 | W25 |
| T 26 | 2 18 53 | 2°51'46 | 22° 9 | 15°26 | 28°43 | 10°36 | 2°10 | 19°43 | 23°30 | 11° 1 | 2° 1 | 0°36 | 0°48 | 6° 0 | 15°17 | T 26 |
| F 27 | 2 22 50 | 3°51'04 | 4♌56 | 16°59 | 28°36 | 11°19 | 2°10 | 19°48 | 23°30 | 11° 3 | 2° 3 | 0°36 | 0°45 | 6° 6 | 15°15 | F 27 |
| S 28 | 2 26 47 | 4°50'23 | 18° 6 | 18°32 | 28°27 | 12° 1 | 2°D10 | 19°54 | 23°30 | 11° 5 | 2° 5 | 0°36 | 0°42 | 6°13 | 15°12 | S 28 |
| S 29 | 2 30 43 | 5°49'45 | 1♍43 | 20° 4 | 28°15 | 12°43 | 2°10 | 20° 0 | 23°R30 | 11° 7 | 2° 7 | 0°34 | 0°39 | 6°20 | 15°10 | S 29 |
| M30 | 2 34 40 | 6°49'09 | 15°49 | 21°35 | 28° 1 | 13°26 | 2°10 | 20° 6 | 23°30 | 11° 9 | 2° 9 | 0°30 | 0°35 | 6°26 | 15° 7 | M30 |
| T 31 | 2 38 36 | 7♏48'36 | 0♎24 | 23♏ 6 | 27♏44 | 14♐ 8 | 2♓10 | 20♐12 | 23♋30 | 11♐10 | 2♎11 | 0♒23 | 0♒32 | 6♉33 | 15♈ 5 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3s17 | 12n 5 | 1s43 | 0n47 | 1n47 | 22s39 | 5s 1 | 19s 5 | 0s34 | 11s18 | 1s 9 | 21s16 | 1n29 | 21n44 | 0n24 | 20s21 | 1n34 | 12n30 | 14n 8 | 19s17 | 19s35 | 17n21 | 8n13 | 1n56 |
| M 2 | 3 40 | 6 5 | 2 50 | 0 1 | 1 45 | 22 55 | 5 8 | 19 16 | 0 35 | 11 20 | 1 9 | 21 17 | 1 29 | 21 44 | 0 24 | 20 21 | 1 33 | 12 29 | 14 8 | 19 17 | 19 36 | 17 23 | 8 12 | 1 56 |
| T 3 | 4 3 | 0s24 | 3 48 | 0s46 | 1 42 | 23 11 | 5 14 | 19 26 | 0 35 | 11 21 | 1 9 | 21 17 | 1 29 | 21 44 | 0 24 | 20 21 | 1 33 | 12 28 | 14 8 | 19 19 | 19 37 | 17 25 | 8 11 | 1 56 |
| W 4 | 4 26 | 7 0 | 4 32 | 1 33 | 1 39 | 23 27 | 5 21 | 19 37 | 0 36 | 11 23 | 1 9 | 21 18 | 1 29 | 21 44 | 0 24 | 20 21 | 1 33 | 12 27 | 14 8 | 19 21 | 19 37 | 17 28 | 8 9 | 1 56 |
| T 5 | 4 49 | 13 16 | 4 57 | 2 20 | 1 36 | 23 42 | 5 27 | 19 47 | 0 36 | 11 24 | 1 9 | 21 18 | 1 29 | 21 43 | 0 24 | 20 22 | 1 33 | 12 27 | 14 8 | 19 23 | 19 38 | 17 30 | 8 8 | 1 56 |
| F 6 | 5 12 | 18 43 | 5 1 | 3 7 | 1 32 | 23 57 | 5 33 | 19 57 | 0 37 | 11 26 | 1 9 | 21 19 | 1 29 | 21 43 | 0 24 | 20 22 | 1 33 | 12 26 | 14 8 | 19 26 | 19 39 | 17 32 | 8 7 | 1 56 |
| S 7 | 5 34 | 22 55 | 4 44 | 3 53 | 1 27 | 24 11 | 5 39 | 20 6 | 0 37 | 11 27 | 1 8 | 21 19 | 1 28 | 21 43 | 0 24 | 20 22 | 1 33 | 12 25 | 14 8 | 19 28 | 19 39 | 17 35 | 8 6 | 1 56 |
| S 8 | 5 57 | 25 31 | 4 8 | 4 40 | 1 23 | 24 24 | 5 45 | 20 16 | 0 38 | 11 29 | 1 8 | 21 20 | 1 28 | 21 43 | 0 24 | 20 22 | 1 33 | 12 25 | 14 9 | 19 29 | 19 40 | 17 37 | 8 5 | 1 56 |
| M 9 | 6 19 | 26 21 | 3 18 | 5 26 | 1 18 | 24 37 | 5 51 | 20 26 | 0 39 | 11 30 | 1 8 | 21 21 | 1 28 | 21 43 | 0 24 | 20 23 | 1 33 | 12 24 | 14 9 | 19 30 | 19 41 | 17 39 | 8 4 | 1 56 |
| T 10 | 6 42 | 25 28 | 2 17 | 6 12 | 1 12 | 24 50 | 5 57 | 20 35 | 0 39 | 11 31 | 1 8 | 21 21 | 1 28 | 21 43 | 0 24 | 20 23 | 1 33 | 12 23 | 14 9 | 19 31 | 19 41 | 17 41 | 8 3 | 1 56 |
| W11 | 7 4 | 23 7 | 1 10 | 6 57 | 1 7 | 25 2 | 6 2 | 20 44 | 0 40 | 11 32 | 1 8 | 21 22 | 1 28 | 21 42 | 0 24 | 20 23 | 1 33 | 12 23 | 14 9 | 19 31 | 19 42 | 17 44 | 8 2 | 1 56 |
| T 12 | 7 26 | 19 35 | 0 1 | 7 42 | 1 1 | 25 13 | 6 8 | 20 53 | 0 40 | 11 33 | 1 8 | 21 22 | 1 27 | 21 42 | 0 24 | 20 23 | 1 33 | 12 22 | 14 9 | 19 31 | 19 43 | 17 46 | 8 0 | 1 56 |
| F 13 | 7 48 | 15 12 | 1n 6 | 8 26 | 0 55 | 25 23 | 6 13 | 21 2 | 0 41 | 11 34 | 1 8 | 21 23 | 1 27 | 21 42 | 0 24 | 20 24 | 1 33 | 12 21 | 14 10 | 19 31 | 19 44 | 17 48 | 7 59 | 1 56 |
| S 14 | 8 10 | 10 17 | 2 8 | 9 9 | 0 48 | 25 33 | 6 18 | 21 11 | 0 41 | 11 35 | 1 8 | 21 23 | 1 27 | 21 42 | 0 24 | 20 24 | 1 33 | 12 21 | 14 10 | 19 31 | 19 44 | 17 50 | 7 58 | 1 55 |
| S 15 | 8 32 | 5 2 | 3 3 | 9 52 | 0 42 | 25 42 | 6 23 | 21 20 | 0 42 | 11 36 | 1 8 | 21 24 | 1 27 | 21 42 | 0 24 | 20 24 | 1 33 | 12 20 | 14 10 | 19 32 | 19 45 | 17 53 | 7 57 | 1 55 |
| M16 | 8 54 | 0n20 | 3 50 | 10 34 | 0 35 | 25 51 | 6 27 | 21 28 | 0 42 | 11 37 | 1 8 | 21 25 | 1 27 | 21 42 | 0 24 | 20 24 | 1 33 | 12 19 | 14 10 | 19 34 | 19 46 | 17 55 | 7 56 | 1 55 |
| T 17 | 9 16 | 5 37 | 4 25 | 11 16 | 0 29 | 25 58 | 6 31 | 21 36 | 0 43 | 11 38 | 1 8 | 21 25 | 1 27 | 21 42 | 0 25 | 20 25 | 1 33 | 12 19 | 14 10 | 19 36 | 19 46 | 17 57 | 7 55 | 1 55 |
| W18 | 9 37 | 10 40 | 4 48 | 11 57 | 0 22 | 26 5 | 6 35 | 21 44 | 0 43 | 11 38 | 1 7 | 21 26 | 1 26 | 21 42 | 0 25 | 20 25 | 1 33 | 12 18 | 14 11 | 19 39 | 19 47 | 17 59 | 7 54 | 1 55 |
| T 19 | 9 59 | 15 17 | 4 59 | 12 37 | 0 15 | 26 11 | 6 39 | 21 52 | 0 44 | 11 39 | 1 7 | 21 26 | 1 26 | 21 42 | 0 25 | 20 25 | 1 33 | 12 18 | 14 11 | 19 42 | 19 48 | 18 2 | 7 53 | 1 55 |
| F 20 | 10 20 | 19 19 | 4 56 | 13 16 | 0 8 | 26 17 | 6 42 | 22 0 | 0 44 | 11 40 | 1 7 | 21 27 | 1 26 | 21 42 | 0 25 | 20 25 | 1 33 | 12 17 | 14 11 | 19 46 | 19 48 | 18 4 | 7 51 | 1 55 |
| S 21 | 10 41 | 22 35 | 4 41 | 13 55 | 0 1 | 26 21 | 6 45 | 22 7 | 0 45 | 11 40 | 1 7 | 21 27 | 1 26 | 21 42 | 0 25 | 20 26 | 1 33 | 12 17 | 14 11 | 19 49 | 19 49 | 18 6 | 7 50 | 1 55 |
| S 22 | 11 2 | 24 53 | 4 13 | 14 33 | 0s 6 | 26 25 | 6 48 | 22 15 | 0 45 | 11 40 | 1 7 | 21 28 | 1 26 | 21 42 | 0 25 | 20 26 | 1 33 | 12 16 | 14 12 | 19 51 | 19 50 | 18 8 | 7 49 | 1 55 |
| M23 | 11 23 | 26 4 | 3 34 | 15 10 | 0 13 | 26 27 | 6 50 | 22 22 | 0 46 | 11 41 | 1 7 | 21 29 | 1 26 | 21 41 | 0 25 | 20 26 | 1 33 | 12 15 | 14 12 | 19 53 | 19 50 | 18 10 | 7 48 | 1 55 |
| T 24 | 11 43 | 26 3 | 2 45 | 15 46 | 0 20 | 26 29 | 6 52 | 22 29 | 0 46 | 11 41 | 1 7 | 21 29 | 1 25 | 21 41 | 0 25 | 20 27 | 1 33 | 12 15 | 14 12 | 19 54 | 19 51 | 18 13 | 7 47 | 1 54 |
| W25 | 12 4 | 24 46 | 1 48 | 16 21 | 0 27 | 26 30 | 6 53 | 22 36 | 0 47 | 11 41 | 1 7 | 21 30 | 1 25 | 21 41 | 0 25 | 20 27 | 1 33 | 12 14 | 14 12 | 19 55 | 19 52 | 18 15 | 7 46 | 1 54 |
| T 26 | 12 24 | 22 14 | 0 45 | 16 55 | 0 34 | 26 29 | 6 53 | 22 42 | 0 47 | 11 41 | 1 6 | 21 30 | 1 25 | 21 41 | 0 25 | 20 27 | 1 32 | 12 14 | 14 13 | 19 55 | 19 53 | 18 17 | 7 45 | 1 54 |
| F 27 | 12 44 | 18 34 | 0s23 | 17 29 | 0 41 | 26 28 | 6 54 | 22 48 | 0 48 | 11 41 | 1 6 | 21 31 | 1 25 | 21 41 | 0 25 | 20 27 | 1 32 | 12 13 | 14 13 | 19 55 | 19 53 | 18 19 | 7 44 | 1 54 |
| S 28 | 13 4 | 13 53 | 1 31 | 18 1 | 0 48 | 26 25 | 6 53 | 22 55 | 0 48 | 11 41 | 1 6 | 21 32 | 1 25 | 21 41 | 0 25 | 20 28 | 1 32 | 12 13 | 14 13 | 19 55 | 19 54 | 18 21 | 7 43 | 1 54 |
| S 29 | 13 24 | 8 22 | 2 36 | 18 33 | 0 55 | 26 22 | 6 52 | 23 1 | 0 49 | 11 41 | 1 6 | 21 32 | 1 25 | 21 42 | 0 25 | 20 28 | 1 32 | 12 13 | 14 13 | 19 56 | 19 55 | 18 23 | 7 42 | 1 54 |
| M30 | 13 43 | 2 16 | 3 35 | 19 3 | 1 1 | 26 17 | 6 51 | 23 6 | 0 49 | 11 41 | 1 6 | 21 33 | 1 24 | 21 42 | 0 25 | 20 28 | 1 32 | 12 12 | 14 14 | 19 56 | 19 55 | 18 26 | 7 41 | 1 54 |
| T 31 | 14s 3 | 4s 9 | 4s21 | 19s33 | 1s 8 | 26s11 | 6s48 | 23s12 | 0s50 | 11s40 | 1s 6 | 21s33 | 1n24 | 21n42 | 0n25 | 20s29 | 1n32 | 12n12 | 14n14 | 19s58 | 19s56 | 18n28 | 7n39 | 1n54 |

Julian Day Number = 2801720.5, Delta T = 50m29s
Ecliptic obliquity = 23°19'00, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'38, Lahiri = 37°16'38


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# ASTRODIENST EPHEMERIS for the year 2958
# geocentric

## NOVEMBER 2958 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 2 42 33 | 8♏48'04 | 15♎23 | 24♏35 | 27°R25 | 14♐51 | 2♓11 | 20♐17 | 23°R30 | 11♐12 | 2♎13 | 0°R14 | 0♒29 | 6♉40 | 15°R 2 | W 1 |
| T 2 | 2 46 29 | 9°47'35 | 0♏39 | 26° 5 | 27♏ 4 | 15°33 | 2°12 | 20°23 | 23♋30 | 11°14 | 2°14 | 0♒ 3 | 0°26 | 6°47 | 15♈ 0 | T 2 |
| F 3 | 2 50 26 | 10°47'08 | 16° 0 | 27°33 | 26°41 | 16°16 | 2°13 | 20°29 | 23°29 | 11°16 | 2°16 | 29♑52 | 0°23 | 6°53 | 14°57 | F 3 |
| S 4 | 2 54 22 | 11°46'43 | 1♐15 | 29° 1 | 26°16 | 16°59 | 2°14 | 20°35 | 23°29 | 11°18 | 2°18 | 29°42 | 0°20 | 7° 0 | 14°55 | S 4 |
| S 5 | 2 58 19 | 12°46'19 | 16°12 | 0♐28 | 25°49 | 17°42 | 2°16 | 20°42 | 23°29 | 11°20 | 2°20 | 29°34 | 0°16 | 7° 7 | 14°53 | S 5 |
| M 6 | 3 2 16 | 13°45'58 | 0♑45 | 1°55 | 25°19 | 18°24 | 2°18 | 20°48 | 23°28 | 11°22 | 2°21 | 29°28 | 0°13 | 7°13 | 14°50 | M 6 |
| T 7 | 3 6 12 | 14°45'38 | 14°50 | 3°20 | 24°49 | 19° 7 | 2°19 | 20°54 | 23°28 | 11°24 | 2°23 | 29°26 | 0°10 | 7°20 | 14°48 | T 7 |
| W 8 | 3 10 9 | 15°45'20 | 28°25 | 4°45 | 24°17 | 19°50 | 2°21 | 21° 0 | 23°27 | 11°27 | 2°25 | 29°D25 | 0° 7 | 7°27 | 14°46 | W 8 |
| T 9 | 3 14 5 | 16°45'03 | 11♒33 | 6° 9 | 23°43 | 20°34 | 2°24 | 21° 6 | 23°27 | 11°29 | 2°26 | 29°R25 | 0° 4 | 7°34 | 14°44 | T 9 |
| F 10 | 3 18 2 | 17°44'48 | 24°18 | 7°33 | 23° 8 | 21°17 | 2°26 | 21°13 | 23°26 | 11°31 | 2°28 | 29°25 | 0° 1 | 7°40 | 14°41 | F 10 |
| S 11 | 3 21 58 | 18°44'35 | 6♓45 | 8°55 | 22°33 | 22° 0 | 2°29 | 21°19 | 23°26 | 11°33 | 2°30 | 29°24 | 29♑57 | 7°47 | 14°39 | S 11 |
| S 12 | 3 25 55 | 19°44'23 | 18°57 | 10°16 | 21°57 | 22°43 | 2°32 | 21°26 | 23°25 | 11°35 | 2°31 | 29°20 | 29°54 | 7°54 | 14°37 | S 12 |
| M13 | 3 29 51 | 20°44'13 | 0♈59 | 11°37 | 21°20 | 23°27 | 2°35 | 21°32 | 23°24 | 11°37 | 2°33 | 29°13 | 29°51 | 8° 1 | 14°35 | M13 |
| T 14 | 3 33 48 | 21°44'05 | 12°55 | 12°56 | 20°43 | 24°10 | 2°38 | 21°39 | 23°23 | 11°39 | 2°34 | 29° 4 | 29°48 | 8° 7 | 14°33 | T 14 |
| W15 | 3 37 45 | 22°43'58 | 24°49 | 14°14 | 20° 7 | 24°54 | 2°41 | 21°45 | 23°23 | 11°41 | 2°36 | 28°53 | 29°45 | 8°14 | 14°31 | W15 |
| T 16 | 3 41 41 | 23°43'53 | 6♉41 | 15°31 | 19°30 | 25°37 | 2°45 | 21°52 | 23°22 | 11°43 | 2°38 | 28°40 | 29°41 | 8°21 | 14°29 | T 16 |
| F 17 | 3 45 38 | 24°43'50 | 18°34 | 16°47 | 18°55 | 26°21 | 2°49 | 21°58 | 23°21 | 11°46 | 2°39 | 28°28 | 29°38 | 8°27 | 14°27 | F 17 |
| S 18 | 3 49 34 | 25°43'48 | 0♊30 | 18° 1 | 18°20 | 27° 5 | 2°53 | 22° 5 | 23°20 | 11°48 | 2°40 | 28°16 | 29°35 | 8°34 | 14°25 | S 18 |
| S 19 | 3 53 31 | 26°43'49 | 12°29 | 19°13 | 17°46 | 27°48 | 2°57 | 22°11 | 23°19 | 11°50 | 2°42 | 28° 6 | 29°32 | 8°41 | 14°23 | S 19 |
| M20 | 3 57 27 | 27°43'52 | 24°34 | 20°24 | 17°14 | 28°32 | 3° 1 | 22°18 | 23°18 | 11°52 | 2°43 | 27°58 | 29°29 | 8°48 | 14°22 | M20 |
| T 21 | 4 1 24 | 28°43'56 | 6♋45 | 21°32 | 16°43 | 29°16 | 3° 6 | 22°25 | 23°16 | 11°54 | 2°45 | 27°53 | 29°26 | 8°54 | 14°20 | T 21 |
| W22 | 4 5 20 | 29°44'02 | 19° 6 | 22°38 | 16°14 | 0♑ 0 | 3°11 | 22°32 | 23°15 | 11°57 | 2°46 | 27°51 | 29°22 | 9° 1 | 14°18 | W22 |
| T 23 | 4 9 17 | 0♐44'11 | 1♌39 | 23°41 | 15°46 | 0°44 | 3°15 | 22°38 | 23°14 | 11°59 | 2°47 | 27°D50 | 29°19 | 9° 8 | 14°16 | T 23 |
| F 24 | 4 13 14 | 1°44'21 | 14°27 | 24°42 | 15°21 | 1°28 | 3°21 | 22°45 | 23°13 | 12° 1 | 2°49 | 27°51 | 29°16 | 9°14 | 14°15 | F 24 |
| S 25 | 4 17 10 | 2°44'33 | 27°35 | 25°39 | 14°57 | 2°13 | 3°26 | 22°52 | 23°11 | 12° 3 | 2°50 | 27°R52 | 29°13 | 9°21 | 14°13 | S 25 |
| S 26 | 4 21 7 | 3°44'47 | 11♍ 5 | 26°33 | 14°36 | 2°57 | 3°31 | 22°59 | 23°10 | 12° 5 | 2°51 | 27°52 | 29°10 | 9°28 | 14°12 | S 26 |
| M27 | 4 25 3 | 4°45'04 | 24°59 | 27°22 | 14°18 | 3°41 | 3°37 | 23° 6 | 23° 9 | 12° 8 | 2°52 | 27°50 | 29° 7 | 9°35 | 14°10 | M27 |
| T 28 | 4 29 0 | 5°45'22 | 9♎19 | 28° 7 | 14° 1 | 4°25 | 3°43 | 23°13 | 23° 7 | 12°10 | 2°54 | 27°46 | 29° 3 | 9°41 | 14° 9 | T 28 |
| W29 | 4 32 56 | 6°45'42 | 24° 2 | 28°46 | 13°47 | 5°10 | 3°49 | 23°20 | 23° 6 | 12°12 | 2°55 | 27°40 | 29° 0 | 9°48 | 14° 7 | W29 |
| T 30 | 4 36 53 | 7♐46'04 | 9♏ 2 | 29♐20 | 13♏36 | 5♑54 | 3♓55 | 23♐27 | 23♋ 4 | 12♐14 | 2♎56 | 27♑32 | 28♑57 | 9♉55 | 14♈ 6 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14s22 | 10s30 | 4s51 | 20s 2 | 1s15 | 26s 3 | 6s45 | 23s17 | 0s50 | 11s40 | 1s 6 | 21s34 | 1n24 | 21n42 | 0n25 | 20s29 | 1n32 | 12n11 | 14n14 | 20s 0 | 19s57 | 18n30 | 7n38 | 1n54 |
| T 2 | 14 40 | 16 20 | 5 0 | 20 29 | 1 21 | 25 55 | 6 42 | 23 22 | 0 50 | 11 40 | 1 6 | 21 34 | 1 24 | 21 42 | 0 25 | 20 29 | 1 32 | 12 11 | 14 15 | 20 2 | 19 57 | 18 32 | 7 37 | 1 53 |
| F 3 | 14 59 | 21 9 | 4 49 | 20 56 | 1 28 | 25 45 | 6 37 | 23 27 | 0 51 | 11 39 | 1 5 | 21 35 | 1 24 | 21 42 | 0 25 | 20 30 | 1 32 | 12 10 | 14 15 | 20 4 | 19 58 | 18 34 | 7 36 | 1 53 |
| S 4 | 15 17 | 24 29 | 4 17 | 21 22 | 1 34 | 25 34 | 6 32 | 23 32 | 0 51 | 11 38 | 1 5 | 21 35 | 1 24 | 21 42 | 0 25 | 20 30 | 1 32 | 12 10 | 14 15 | 20 7 | 19 59 | 18 36 | 7 35 | 1 53 |
| S 5 | 15 36 | 26 3 | 3 27 | 21 47 | 1 40 | 25 21 | 6 26 | 23 36 | 0 52 | 11 38 | 1 5 | 21 36 | 1 24 | 21 42 | 0 25 | 20 30 | 1 32 | 12 10 | 14 16 | 20 8 | 19 59 | 18 39 | 7 34 | 1 53 |
| M 6 | 15 53 | 25 44 | 2 25 | 22 10 | 1 46 | 25 8 | 6 19 | 23 41 | 0 52 | 11 37 | 1 5 | 21 37 | 1 24 | 21 42 | 0 25 | 20 30 | 1 32 | 12 9 | 14 16 | 20 9 | 20 0 | 18 41 | 7 33 | 1 53 |
| T 7 | 16 11 | 23 46 | 1 16 | 22 33 | 1 52 | 24 53 | 6 12 | 23 45 | 0 52 | 11 36 | 1 5 | 21 37 | 1 23 | 21 42 | 0 25 | 20 31 | 1 32 | 12 9 | 14 16 | 20 10 | 20 1 | 18 43 | 7 32 | 1 53 |
| W 8 | 16 28 | 20 27 | 0 5 | 22 54 | 1 57 | 24 37 | 6 4 | 23 49 | 0 53 | 11 35 | 1 5 | 21 38 | 1 23 | 21 42 | 0 25 | 20 31 | 1 32 | 12 9 | 14 17 | 20 10 | 20 1 | 18 45 | 7 31 | 1 53 |
| T 9 | 16 45 | 16 12 | 1n 4 | 23 14 | 2 3 | 24 19 | 5 55 | 23 52 | 0 53 | 11 34 | 1 5 | 21 38 | 1 23 | 21 42 | 0 25 | 20 31 | 1 32 | 12 8 | 14 17 | 20 10 | 20 2 | 18 47 | 7 30 | 1 53 |
| F 10 | 17 2 | 11 20 | 2 8 | 23 34 | 2 8 | 24 1 | 5 45 | 23 55 | 0 54 | 11 33 | 1 5 | 21 39 | 1 23 | 21 42 | 0 25 | 20 32 | 1 32 | 12 8 | 14 17 | 20 10 | 20 3 | 18 49 | 7 29 | 1 52 |
| S 11 | 17 19 | 6 8 | 3 4 | 23 52 | 2 13 | 23 42 | 5 34 | 23 59 | 0 54 | 11 32 | 1 4 | 21 39 | 1 23 | 21 43 | 0 25 | 20 32 | 1 32 | 12 8 | 14 18 | 20 10 | 20 3 | 18 51 | 7 28 | 1 52 |
| S 12 | 17 35 | 0 48 | 3 51 | 24 9 | 2 18 | 23 21 | 5 23 | 24 1 | 0 54 | 11 31 | 1 4 | 21 40 | 1 23 | 21 43 | 0 25 | 20 32 | 1 32 | 12 7 | 14 18 | 20 11 | 20 4 | 18 53 | 7 27 | 1 52 |
| M13 | 17 51 | 4n28 | 4 27 | 24 24 | 2 22 | 23 0 | 5 11 | 24 4 | 0 55 | 11 30 | 1 4 | 21 40 | 1 23 | 21 43 | 0 25 | 20 33 | 1 32 | 12 7 | 14 19 | 20 13 | 20 5 | 18 55 | 7 27 | 1 52 |
| T 14 | 18 6 | 9 32 | 4 50 | 24 39 | 2 26 | 22 38 | 4 59 | 24 6 | 0 55 | 11 29 | 1 4 | 21 41 | 1 22 | 21 43 | 0 25 | 20 33 | 1 32 | 12 7 | 14 19 | 20 14 | 20 5 | 18 57 | 7 26 | 1 52 |
| W15 | 18 22 | 14 14 | 5 1 | 24 52 | 2 30 | 22 16 | 4 46 | 24 9 | 0 56 | 11 27 | 1 4 | 21 41 | 1 22 | 21 43 | 0 25 | 20 33 | 1 32 | 12 7 | 14 19 | 20 17 | 20 6 | 19 0 | 7 25 | 1 52 |
| T 16 | 18 37 | 18 23 | 4 59 | 25 4 | 2 33 | 21 53 | 4 32 | 24 11 | 0 56 | 11 26 | 1 4 | 21 42 | 1 22 | 21 43 | 0 25 | 20 33 | 1 32 | 12 6 | 14 20 | 20 19 | 20 7 | 19 2 | 7 24 | 1 52 |
| F 17 | 18 51 | 21 49 | 4 44 | 25 15 | 2 36 | 21 30 | 4 18 | 24 12 | 0 56 | 11 24 | 1 4 | 21 42 | 1 22 | 21 44 | 0 25 | 20 34 | 1 32 | 12 6 | 14 20 | 20 22 | 20 7 | 19 4 | 7 23 | 1 51 |
| S 18 | 19 6 | 24 20 | 4 16 | 25 25 | 2 39 | 21 6 | 4 4 | 24 14 | 0 57 | 11 23 | 1 3 | 21 43 | 1 22 | 21 44 | 0 25 | 20 34 | 1 32 | 12 6 | 14 21 | 20 24 | 20 8 | 19 6 | 7 22 | 1 51 |
| S 19 | 19 20 | 25 46 | 3 37 | 25 33 | 2 41 | 20 43 | 3 49 | 24 15 | 0 57 | 11 21 | 1 3 | 21 43 | 1 22 | 21 44 | 0 25 | 20 34 | 1 32 | 12 6 | 14 21 | 20 26 | 20 9 | 19 8 | 7 21 | 1 51 |
| M20 | 19 33 | 26 0 | 2 48 | 25 41 | 2 43 | 20 19 | 3 34 | 24 16 | 0 57 | 11 20 | 1 3 | 21 44 | 1 22 | 21 44 | 0 26 | 20 35 | 1 32 | 12 6 | 14 21 | 20 28 | 20 9 | 19 10 | 7 20 | 1 51 |
| T 21 | 19 46 | 24 59 | 1 50 | 25 46 | 2 44 | 19 56 | 3 19 | 24 17 | 0 58 | 11 18 | 1 3 | 21 44 | 1 22 | 21 44 | 0 26 | 20 35 | 1 32 | 12 5 | 14 22 | 20 29 | 20 10 | 19 12 | 7 20 | 1 51 |
| W22 | 19 59 | 22 44 | 0 47 | 25 51 | 2 45 | 19 33 | 3 4 | 24 17 | 0 58 | 11 16 | 1 3 | 21 45 | 1 22 | 21 45 | 0 26 | 20 35 | 1 32 | 12 5 | 14 22 | 20 29 | 20 11 | 19 14 | 7 19 | 1 51 |
| T 23 | 20 12 | 19 22 | 0s20 | 25 54 | 2 45 | 19 10 | 2 49 | 24 17 | 0 58 | 11 14 | 1 3 | 21 45 | 1 21 | 21 45 | 0 26 | 20 36 | 1 32 | 12 5 | 14 23 | 20 29 | 20 11 | 19 16 | 7 18 | 1 51 |
| F 24 | 20 24 | 15 1 | 1 28 | 25 57 | 2 44 | 18 48 | 2 33 | 24 17 | 0 59 | 11 12 | 1 3 | 21 46 | 1 21 | 21 45 | 0 26 | 20 36 | 1 32 | 12 5 | 14 23 | 20 29 | 20 12 | 19 18 | 7 17 | 1 50 |
| S 25 | 20 36 | 9 52 | 2 33 | 25 57 | 2 43 | 18 26 | 2 18 | 24 17 | 0 59 | 11 10 | 1 3 | 21 46 | 1 21 | 21 45 | 0 26 | 20 36 | 1 32 | 12 5 | 14 24 | 20 29 | 20 13 | 19 20 | 7 16 | 1 50 |
| S 26 | 20 48 | 4 7 | 3 31 | 25 57 | 2 41 | 18 5 | 2 3 | 24 16 | 0 59 | 11 8 | 1 2 | 21 47 | 1 21 | 21 46 | 0 26 | 20 37 | 1 32 | 12 5 | 14 24 | 20 29 | 20 13 | 19 22 | 7 16 | 1 50 |
| M27 | 20 59 | 1s58 | 4 18 | 25 55 | 2 38 | 17 45 | 1 48 | 24 15 | 1 0 | 11 6 | 1 2 | 21 47 | 1 21 | 21 46 | 0 26 | 20 37 | 1 32 | 12 5 | 14 24 | 20 29 | 20 14 | 19 24 | 7 15 | 1 50 |
| T 28 | 21 9 | 8 8 | 4 51 | 25 52 | 2 34 | 17 26 | 1 33 | 24 14 | 1 0 | 11 4 | 1 2 | 21 48 | 1 21 | 21 46 | 0 26 | 20 37 | 1 32 | 12 5 | 14 25 | 20 30 | 20 15 | 19 26 | 7 14 | 1 50 |
| W29 | 21 20 | 14 1 | 5 6 | 25 47 | 2 29 | 17 8 | 1 18 | 24 13 | 1 0 | 11 1 | 1 2 | 21 48 | 1 21 | 21 46 | 0 26 | 20 37 | 1 32 | 12 5 | 14 25 | 20 31 | 20 15 | 19 28 | 7 14 | 1 50 |
| T 30 | 21s30 | 19s11 | 5s 1 | 25s42 | 2s23 | 16s51 | 1s 4 | 24s11 | 1s 0 | 10s59 | 1s 2 | 21s49 | 1n21 | 21n47 | 0n26 | 20s38 | 1n32 | 12n 5 | 14n26 | 20s33 | 20s16 | 19n30 | 7n13 | 1n49 |

Julian Day Number = 2801751.5, Delta T = 50m30s
Ecliptic obliquity = 23°18'59, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'42, Lahiri = 37°16'43


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# ASTRODIENST EPHEMERIS for the year 2958
# geocentric

## DECEMBER 2958 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 4 40 49 | 8♐46'28 | 24♏11 | 29♐47 | 13°R27 | 6♑39 | 4♓ 1 | 23♐34 | 23°R 2 | 12♐17 | 2♎57 | 27°R25 | 28♑54 | 10♉ 2 | 14°R 5 | F 1 |
| S 2 | 4 44 46 | 9°46'53 | 9♐18 | 0♑ 7 | 13♏20 | 7°24 | 4° 7 | 23°41 | 23♋ 1 | 12°19 | 2°58 | 27♑17 | 28°51 | 10° 8 | 14♈ 3 | S 2 |
| S 3 | 4 48 43 | 10°47'21 | 24°15 | 0°19 | 13°16 | 8° 8 | 4°14 | 23°48 | 22°59 | 12°21 | 2°59 | 27°12 | 28°47 | 10°15 | 14° 2 | S 3 |
| M 4 | 4 52 39 | 11°47'49 | 8♑52 | 0°R22 | 13°D15 | 8°53 | 4°21 | 23°55 | 22°57 | 12°23 | 3° 0 | 27° 8 | 28°44 | 10°22 | 14° 1 | M 4 |
| T 5 | 4 56 36 | 12°48'19 | 23° 3 | 0°16 | 13°15 | 9°38 | 4°28 | 24° 2 | 22°56 | 12°26 | 3° 1 | 27°D 7 | 28°41 | 10°28 | 14° 0 | T 5 |
| W 6 | 5 0 32 | 13°48'51 | 6♒47 | 29♐59 | 13°18 | 10°23 | 4°35 | 24° 9 | 22°54 | 12°28 | 3° 2 | 27° 7 | 28°38 | 10°35 | 13°59 | W 6 |
| T 7 | 5 4 29 | 14°49'23 | 20° 3 | 29°33 | 13°24 | 11° 8 | 4°42 | 24°16 | 22°52 | 12°30 | 3° 3 | 27° 8 | 28°35 | 10°42 | 13°58 | T 7 |
| F 8 | 5 8 25 | 15°49'57 | 2♓54 | 28°55 | 13°32 | 11°53 | 4°50 | 24°23 | 22°50 | 12°32 | 3° 4 | 27°10 | 28°32 | 10°49 | 13°57 | F 8 |
| S 9 | 5 12 22 | 16°50'32 | 15°24 | 28° 7 | 13°42 | 12°38 | 4°57 | 24°30 | 22°48 | 12°35 | 3° 5 | 27°R10 | 28°28 | 10°55 | 13°56 | S 9 |
| S 10 | 5 16 18 | 17°51'07 | 27°37 | 27° 9 | 13°54 | 13°23 | 5° 5 | 24°37 | 22°46 | 12°37 | 3° 6 | 27°10 | 28°25 | 11° 2 | 13°55 | S 10 |
| M11 | 5 20 15 | 18°51'44 | 9♈39 | 26° 2 | 14° 9 | 14° 8 | 5°13 | 24°44 | 22°44 | 12°39 | 3° 7 | 27° 7 | 28°22 | 11° 9 | 13°54 | M11 |
| T 12 | 5 24 12 | 19°52'22 | 21°34 | 24°48 | 14°25 | 14°53 | 5°21 | 24°51 | 22°42 | 12°41 | 3° 7 | 27° 3 | 28°19 | 11°15 | 13°54 | T 12 |
| W13 | 5 28 8 | 20°53'01 | 3♉25 | 23°28 | 14°44 | 15°38 | 5°29 | 24°59 | 22°40 | 12°44 | 3° 8 | 26°58 | 28°16 | 11°22 | 13°53 | W13 |
| T 14 | 5 32 5 | 21°53'42 | 15°17 | 22° 6 | 15° 4 | 16°24 | 5°37 | 25° 6 | 22°38 | 12°46 | 3° 9 | 26°52 | 28°13 | 11°29 | 13°52 | T 14 |
| F 15 | 5 36 1 | 22°54'23 | 27°13 | 20°44 | 15°26 | 17° 9 | 5°46 | 25°13 | 22°36 | 12°48 | 3°10 | 26°45 | 28° 9 | 11°36 | 13°52 | F 15 |
| S 16 | 5 39 58 | 23°55'06 | 9♊14 | 19°24 | 15°51 | 17°55 | 5°54 | 25°20 | 22°34 | 12°50 | 3°10 | 26°39 | 28° 6 | 11°42 | 13°51 | S 16 |
| S 17 | 5 43 54 | 24°55'50 | 21°22 | 18°10 | 16°17 | 18°40 | 6° 3 | 25°27 | 22°32 | 12°53 | 3°11 | 26°34 | 28° 3 | 11°49 | 13°51 | S 17 |
| M18 | 5 47 51 | 25°56'35 | 3♋39 | 17° 4 | 16°44 | 19°26 | 6°12 | 25°34 | 22°29 | 12°55 | 3°12 | 26°30 | 28° 0 | 11°56 | 13°50 | M18 |
| T 19 | 5 51 48 | 26°57'21 | 16° 5 | 16° 7 | 17°14 | 20°11 | 6°21 | 25°41 | 22°27 | 12°57 | 3°12 | 26°28 | 27°57 | 12° 3 | 13°50 | T 19 |
| W20 | 5 55 44 | 27°58'08 | 28°42 | 15°20 | 17°45 | 20°57 | 6°30 | 25°49 | 22°25 | 12°59 | 3°13 | 26°D27 | 27°53 | 12° 9 | 13°50 | W20 |
| T 21 | 5 59 41 | 28°58'57 | 11♌30 | 14°45 | 18°17 | 21°42 | 6°39 | 25°56 | 22°23 | 13° 1 | 3°13 | 26°28 | 27°50 | 12°16 | 13°49 | T 21 |
| F 22 | 6 3 37 | 29°59'46 | 24°32 | 14°22 | 18°51 | 22°28 | 6°49 | 26° 3 | 22°20 | 13° 4 | 3°14 | 26°30 | 27°47 | 12°23 | 13°49 | F 22 |
| S 23 | 6 7 34 | 1♑ 0'37 | 7♍48 | 14° 9 | 19°27 | 23°14 | 6°58 | 26°10 | 22°18 | 13° 6 | 3°14 | 26°31 | 27°44 | 12°29 | 13°49 | S 23 |
| S 24 | 6 11 30 | 2° 1'29 | 21°20 | 14°D 8 | 20° 4 | 24° 0 | 7° 8 | 26°17 | 22°16 | 13° 8 | 3°14 | 26°33 | 27°41 | 12°36 | 13°49 | S 24 |
| M25 | 6 15 27 | 3° 2'23 | 5♎10 | 14°16 | 20°42 | 24°46 | 7°18 | 26°24 | 22°13 | 13°10 | 3°15 | 26°R33 | 27°38 | 12°43 | 13°D49 | M25 |
| T 26 | 6 19 23 | 4° 3'18 | 19°17 | 14°34 | 21°21 | 25°32 | 7°28 | 26°31 | 22°11 | 13°12 | 3°15 | 26°32 | 27°34 | 12°50 | 13°49 | T 26 |
| W27 | 6 23 20 | 5° 4'14 | 3♏40 | 15° 0 | 22° 2 | 26°18 | 7°38 | 26°38 | 22° 8 | 13°14 | 3°15 | 26°30 | 27°31 | 12°56 | 13°49 | W27 |
| T 28 | 6 27 17 | 6° 5'11 | 18°15 | 15°34 | 22°44 | 27° 4 | 7°48 | 26°46 | 22° 6 | 13°16 | 3°16 | 26°28 | 27°28 | 13° 3 | 13°49 | T 28 |
| F 29 | 6 31 13 | 7° 6'09 | 2♐58 | 16°14 | 23°27 | 27°50 | 7°58 | 26°53 | 22° 4 | 13°19 | 3°16 | 26°25 | 27°25 | 13°10 | 13°49 | F 29 |
| S 30 | 6 35 10 | 8° 7'08 | 17°42 | 17° 1 | 24°11 | 28°36 | 8° 8 | 27° 0 | 22° 1 | 13°21 | 3°16 | 26°23 | 27°22 | 13°16 | 13°50 | S 30 |
| S 31 | 6 39 6 | 9♑ 8'09 | 2♑20 | 17♐53 | 24♏56 | 29♑22 | 8♓19 | 27♐ 7 | 21♋59 | 13♐23 | 3♎16 | 26♑21 | 27♑19 | 13♉23 | 13♈50 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 21s39 | 23s 9 | 4s34 | 25s35 | 2s16 | 16s35 | 0s49 | 24s10 | 1s 1 | 10s57 | 1s 2 | 21s49 | 1n21 | 21n47 | 0n26 | 20s38 | 1n32 | 12n 5 | 14n26 | 20s34 | 20s16 | 19n32 | 7n12 | 1n49 | F 1 |
| S 2 | 21 48 | 25 30 | 3 49 | 25 26 | 2 7 | 16 20 | 0 36 | 24 8 | 1 1 | 10 54 | 1 2 | 21 49 | 1 21 | 21 47 | 0 26 | 20 38 | 1 32 | 12 5 | 14 27 | 20 36 | 20 17 | 19 34 | 7 12 | 1 49 | S 2 |
| S 3 | 21 57 | 25 59 | 2 48 | 25 16 | 1 57 | 16 6 | 0 22 | 24 5 | 1 1 | 10 52 | 1 1 | 21 50 | 1 21 | 21 48 | 0 26 | 20 39 | 1 32 | 12 5 | 14 27 | 20 37 | 20 18 | 19 36 | 7 11 | 1 49 | S 3 |
| M 4 | 22 5 | 24 38 | 1 37 | 25 5 | 1 46 | 15 53 | 0 9 | 24 3 | 1 1 | 10 49 | 1 1 | 21 50 | 1 20 | 21 48 | 0 26 | 20 39 | 1 32 | 12 5 | 14 28 | 20 37 | 20 18 | 19 38 | 7 10 | 1 49 | M 4 |
| T 5 | 22 13 | 21 43 | 0 22 | 24 52 | 1 34 | 15 41 | 0n 4 | 24 0 | 1 2 | 10 47 | 1 1 | 21 51 | 1 20 | 21 48 | 0 26 | 20 39 | 1 32 | 12 5 | 14 28 | 20 38 | 20 19 | 19 40 | 7 10 | 1 49 | T 5 |
| W 6 | 22 20 | 17 38 | 0n52 | 24 38 | 1 19 | 15 30 | 0 16 | 23 57 | 1 2 | 10 44 | 1 1 | 21 51 | 1 20 | 21 49 | 0 26 | 20 39 | 1 32 | 12 5 | 14 29 | 20 38 | 20 20 | 19 42 | 7 9 | 1 48 | W 6 |
| T 7 | 22 27 | 12 48 | 2 1 | 24 23 | 1 4 | 15 20 | 0 28 | 23 53 | 1 2 | 10 41 | 1 1 | 21 51 | 1 20 | 21 49 | 0 26 | 20 40 | 1 32 | 12 5 | 14 29 | 20 37 | 20 20 | 19 44 | 7 9 | 1 48 | T 7 |
| F 8 | 22 34 | 7 34 | 3 2 | 24 5 | 0 47 | 15 12 | 0 39 | 23 50 | 1 2 | 10 38 | 1 1 | 21 52 | 1 20 | 21 49 | 0 26 | 20 40 | 1 32 | 12 5 | 14 30 | 20 37 | 20 21 | 19 46 | 7 8 | 1 48 | F 8 |
| S 9 | 22 40 | 2 10 | 3 52 | 23 47 | 0 28 | 15 4 | 0 51 | 23 46 | 1 3 | 10 35 | 1 1 | 21 52 | 1 20 | 21 50 | 0 26 | 20 40 | 1 32 | 12 5 | 14 30 | 20 37 | 20 22 | 19 48 | 7 8 | 1 48 | S 9 |
| S 10 | 22 46 | 3n12 | 4 30 | 23 26 | 0 9 | 14 57 | 1 1 | 23 41 | 1 3 | 10 32 | 1 1 | 21 52 | 1 20 | 21 50 | 0 26 | 20 41 | 1 32 | 12 5 | 14 31 | 20 37 | 20 22 | 19 50 | 7 7 | 1 48 | S 10 |
| M11 | 22 51 | 8 21 | 4 56 | 23 5 | 0n11 | 14 52 | 1 12 | 23 37 | 1 3 | 10 29 | 1 0 | 21 53 | 1 20 | 21 50 | 0 26 | 20 41 | 1 32 | 12 5 | 14 31 | 20 38 | 20 23 | 19 52 | 7 7 | 1 48 | M11 |
| T 12 | 22 56 | 13 8 | 5 9 | 22 42 | 0 31 | 14 47 | 1 22 | 23 32 | 1 3 | 10 26 | 1 0 | 21 53 | 1 20 | 21 51 | 0 26 | 20 41 | 1 32 | 12 5 | 14 32 | 20 38 | 20 24 | 19 54 | 7 6 | 1 47 | T 12 |
| W13 | 23 0 | 17 25 | 5 8 | 22 18 | 0 51 | 14 43 | 1 31 | 23 27 | 1 4 | 10 23 | 1 0 | 21 54 | 1 20 | 21 51 | 0 26 | 20 41 | 1 32 | 12 6 | 14 32 | 20 39 | 20 24 | 19 56 | 7 6 | 1 47 | W13 |
| T 14 | 23 4 | 21 2 | 4 55 | 21 54 | 1 11 | 14 41 | 1 40 | 23 22 | 1 4 | 10 20 | 1 0 | 21 54 | 1 20 | 21 51 | 0 26 | 20 42 | 1 32 | 12 6 | 14 33 | 20 41 | 20 25 | 19 58 | 7 6 | 1 47 | T 14 |
| F 15 | 23 8 | 23 47 | 4 28 | 21 30 | 1 30 | 14 39 | 1 49 | 23 17 | 1 4 | 10 17 | 1 0 | 21 54 | 1 20 | 21 52 | 0 26 | 20 42 | 1 32 | 12 6 | 14 33 | 20 42 | 20 25 | 19 59 | 7 5 | 1 47 | F 15 |
| S 16 | 23 11 | 25 30 | 3 49 | 21 7 | 1 47 | 14 38 | 1 57 | 23 11 | 1 4 | 10 14 | 1 0 | 21 54 | 1 20 | 21 52 | 0 26 | 20 42 | 1 32 | 12 6 | 14 34 | 20 43 | 20 26 | 20 1 | 7 5 | 1 47 | S 16 |
| S 17 | 23 13 | 26 2 | 3 0 | 20 46 | 2 2 | 14 37 | 2 5 | 23 5 | 1 4 | 10 10 | 1 0 | 21 55 | 1 20 | 21 53 | 0 26 | 20 43 | 1 32 | 12 6 | 14 34 | 20 44 | 20 27 | 20 3 | 7 4 | 1 47 | S 17 |
| M18 | 23 15 | 25 17 | 2 2 | 20 27 | 2 15 | 14 38 | 2 13 | 22 59 | 1 4 | 10 7 | 1 0 | 21 55 | 1 20 | 21 53 | 0 26 | 20 43 | 1 32 | 12 7 | 14 35 | 20 45 | 20 27 | 20 5 | 7 4 | 1 46 | M18 |
| T 19 | 23 17 | 23 17 | 0 57 | 20 11 | 2 25 | 14 39 | 2 20 | 22 52 | 1 5 | 10 4 | 1 0 | 21 55 | 1 19 | 21 53 | 0 26 | 20 43 | 1 32 | 12 7 | 14 35 | 20 45 | 20 28 | 20 7 | 7 4 | 1 46 | T 19 |
| W20 | 23 18 | 20 7 | 0s12 | 19 58 | 2 34 | 14 41 | 2 27 | 22 46 | 1 5 | 10 0 | 0 59 | 21 56 | 1 19 | 21 54 | 0 26 | 20 43 | 1 32 | 12 7 | 14 36 | 20 45 | 20 29 | 20 9 | 7 4 | 1 46 | W20 |
| T 21 | 23 19 | 15 56 | 1 22 | 19 48 | 2 40 | 14 44 | 2 33 | 22 39 | 1 5 | 9 57 | 0 59 | 21 56 | 1 19 | 21 54 | 0 26 | 20 44 | 1 32 | 12 7 | 14 36 | 20 45 | 20 29 | 20 11 | 7 3 | 1 46 | T 21 |
| F 22 | 23 19 | 10 57 | 2 28 | 19 41 | 2 44 | 14 47 | 2 39 | 22 31 | 1 5 | 9 53 | 0 59 | 21 56 | 1 19 | 21 54 | 0 26 | 20 44 | 1 32 | 12 8 | 14 37 | 20 45 | 20 30 | 20 13 | 7 3 | 1 46 | F 22 |
| S 23 | 23 19 | 5 23 | 3 28 | 19 38 | 2 46 | 14 51 | 2 45 | 22 24 | 1 5 | 9 49 | 0 59 | 21 56 | 1 19 | 21 55 | 0 26 | 20 44 | 1 32 | 12 8 | 14 37 | 20 44 | 20 30 | 20 15 | 7 3 | 1 46 | S 23 |
| S 24 | 23 18 | 0s32 | 4 17 | 19 37 | 2 47 | 14 56 | 2 51 | 22 16 | 1 5 | 9 46 | 0 59 | 21 57 | 1 19 | 21 55 | 0 26 | 20 44 | 1 32 | 12 8 | 14 38 | 20 44 | 20 31 | 20 16 | 7 3 | 1 45 | S 24 |
| M25 | 23 17 | 6 32 | 4 53 | 19 39 | 2 46 | 15 0 | 2 56 | 22 8 | 1 6 | 9 42 | 0 59 | 21 57 | 1 19 | 21 56 | 0 26 | 20 45 | 1 32 | 12 9 | 14 38 | 20 44 | 20 32 | 20 18 | 7 2 | 1 45 | M25 |
| T 26 | 23 15 | 12 19 | 5 12 | 19 44 | 2 43 | 15 6 | 3 1 | 22 0 | 1 6 | 9 38 | 0 59 | 21 57 | 1 19 | 21 56 | 0 26 | 20 45 | 1 32 | 12 9 | 14 39 | 20 44 | 20 32 | 20 20 | 7 2 | 1 45 | T 26 |
| W27 | 23 13 | 17 34 | 5 12 | 19 50 | 2 40 | 15 12 | 3 5 | 21 52 | 1 6 | 9 35 | 0 59 | 21 57 | 1 19 | 21 56 | 0 26 | 20 45 | 1 32 | 12 9 | 14 39 | 20 45 | 20 33 | 20 22 | 7 2 | 1 45 | W27 |
| T 28 | 23 11 | 21 51 | 4 52 | 19 58 | 2 35 | 15 18 | 3 9 | 21 43 | 1 6 | 9 31 | 0 59 | 21 58 | 1 19 | 21 57 | 0 26 | 20 45 | 1 32 | 12 10 | 14 40 | 20 45 | 20 34 | 20 24 | 7 2 | 1 45 | T 28 |
| F 29 | 23 8 | 24 47 | 4 13 | 20 7 | 2 30 | 15 25 | 3 13 | 21 34 | 1 6 | 9 27 | 0 59 | 21 58 | 1 19 | 21 57 | 0 26 | 20 46 | 1 32 | 12 10 | 14 40 | 20 46 | 20 34 | 20 26 | 7 2 | 1 45 | F 29 |
| S 30 | 23 4 | 26 1 | 3 17 | 20 18 | 2 24 | 15 32 | 3 17 | 21 25 | 1 6 | 9 23 | 0 59 | 21 58 | 1 19 | 21 58 | 0 26 | 20 46 | 1 32 | 12 11 | 14 41 | 20 46 | 20 35 | 20 28 | 7 2 | 1 44 | S 30 |
| S 31 | 23s 0 | 25s26 | 2s 9 | 20s29 | 2n17 | 15s40 | 3n20 | 21s15 | 1s 6 | 9s19 | 0s58 | 21s58 | 1n19 | 21n58 | 0n26 | 20s46 | 1n32 | 12n11 | 14n41 | 20s46 | 20s35 | 20n29 | 7n 2 | 1n44 | S 31 |

Julian Day Number = 2801781.5, Delta T = 50m30s
Ecliptic obliquity = 23°18'58, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'46, Lahiri = 37°16'47


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# ASTRODIENST EPHEMERIS for the year 2959
# geocentric

## JANUARY 2959 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 6 43 3 | 10♑ 9'10 | 16♑45 | 18♐50 | 25♏42 | 0♒ 8 | 8♓29 | 27♐14 | 21°R56 | 13♐25 | 3♎17 | 26°R20 | 27♑15 | 13♉30 | 13♈50 | M 1 |
| T 2 | 6 46 59 | 11°10'11 | 0♒51 | 19°50 | 26°29 | 0°55 | 8°40 | 27°21 | 21♋54 | 13°27 | 3°17 | 26°D19 | 27°12 | 13°37 | 13°51 | T 2 |
| W 3 | 6 50 56 | 12°11'13 | 14°34 | 20°55 | 27°17 | 1°41 | 8°51 | 27°28 | 21°51 | 13°29 | 3°17 | 26♑20 | 27° 9 | 13°43 | 13°51 | W 3 |
| T 4 | 6 54 52 | 13°12'16 | 27°53 | 22° 2 | 28° 5 | 2°27 | 9° 2 | 27°35 | 21°48 | 13°31 | 3°17 | 26°21 | 27° 6 | 13°50 | 13°52 | T 4 |
| F 5 | 6 58 49 | 14°13'19 | 10♓50 | 23°13 | 28°55 | 3°14 | 9°13 | 27°42 | 21°46 | 13°33 | 3°R17 | 26°22 | 27° 3 | 13°57 | 13°52 | F 5 |
| S 6 | 7 2 46 | 15°14'22 | 23°25 | 24°25 | 29°45 | 4° 0 | 9°24 | 27°49 | 21°43 | 13°35 | 3°17 | 26°23 | 26°59 | 14° 3 | 13°53 | S 6 |
| S 7 | 7 6 42 | 16°15'25 | 5♈42 | 25°40 | 0♐36 | 4°47 | 9°35 | 27°56 | 21°41 | 13°37 | 3°17 | 26°24 | 26°56 | 14°10 | 13°54 | S 7 |
| M 8 | 7 10 39 | 17°16'29 | 17°47 | 26°57 | 1°28 | 5°33 | 9°47 | 28° 3 | 21°38 | 13°39 | 3°17 | 26°R24 | 26°53 | 14°17 | 13°54 | M 8 |
| T 9 | 7 14 35 | 18°17'33 | 29°43 | 28°15 | 2°21 | 6°20 | 9°58 | 28° 9 | 21°36 | 13°41 | 3°16 | 26°24 | 26°50 | 14°24 | 13°55 | T 9 |
| W10 | 7 18 32 | 19°18'37 | 11♉35 | 29°35 | 3°14 | 7° 6 | 10°10 | 28°16 | 21°33 | 13°43 | 3°16 | 26°23 | 26°47 | 14°30 | 13°56 | W10 |
| T 11 | 7 22 28 | 20°19'41 | 23°27 | 0♑56 | 4° 8 | 7°53 | 10°21 | 28°23 | 21°30 | 13°45 | 3°16 | 26°23 | 26°44 | 14°37 | 13°57 | T 11 |
| F 12 | 7 26 25 | 21°20'45 | 5♊25 | 2°18 | 5° 3 | 8°39 | 10°33 | 28°30 | 21°28 | 13°46 | 3°16 | 26°22 | 26°40 | 14°44 | 13°58 | F 12 |
| S 13 | 7 30 21 | 22°21'50 | 17°30 | 3°42 | 5°58 | 9°26 | 10°45 | 28°37 | 21°25 | 13°48 | 3°16 | 26°21 | 26°37 | 14°50 | 13°59 | S 13 |
| S 14 | 7 34 18 | 23°22'54 | 29°47 | 5° 6 | 6°54 | 10°13 | 10°57 | 28°43 | 21°23 | 13°50 | 3°15 | 26°21 | 26°34 | 14°57 | 14° 0 | S 14 |
| M15 | 7 38 15 | 24°23'59 | 12♋16 | 6°31 | 7°51 | 11° 0 | 11° 9 | 28°50 | 21°20 | 13°52 | 3°15 | 26°21 | 26°31 | 15° 4 | 14° 1 | M15 |
| T 16 | 7 42 11 | 25°25'04 | 25° 0 | 7°57 | 8°48 | 11°46 | 11°21 | 28°57 | 21°18 | 13°54 | 3°15 | 26°D21 | 26°28 | 15°11 | 14° 2 | T 16 |
| W17 | 7 46 8 | 26°26'09 | 7♌58 | 9°23 | 9°45 | 12°33 | 11°33 | 29° 3 | 21°15 | 13°56 | 3°14 | 26°R21 | 26°25 | 15°17 | 14° 4 | W17 |
| T 18 | 7 50 4 | 27°27'14 | 21°11 | 10°50 | 10°44 | 13°20 | 11°45 | 29°10 | 21°12 | 13°57 | 3°14 | 26°21 | 26°21 | 15°24 | 14° 5 | T 18 |
| F 19 | 7 54 1 | 28°28'19 | 4♍36 | 12°18 | 11°42 | 14° 7 | 11°58 | 29°17 | 21°10 | 13°59 | 3°13 | 26°20 | 26°18 | 15°31 | 14° 6 | F 19 |
| S 20 | 7 57 57 | 29°29'24 | 18°14 | 13°46 | 12°41 | 14°54 | 12°10 | 29°23 | 21° 7 | 14° 1 | 3°13 | 26°20 | 26°15 | 15°37 | 14° 8 | S 20 |
| S 21 | 8 1 54 | 0♒30'30 | 2♎ 3 | 15°15 | 13°41 | 15°41 | 12°23 | 29°30 | 21° 5 | 14° 3 | 3°12 | 26°20 | 26°12 | 15°44 | 14° 9 | S 21 |
| M22 | 8 5 50 | 1°31'36 | 16° 1 | 16°45 | 14°41 | 16°28 | 12°35 | 29°36 | 21° 2 | 14° 4 | 3°12 | 26°19 | 26° 9 | 15°51 | 14°10 | M22 |
| T 23 | 8 9 47 | 2°32'42 | 0♏ 6 | 18°15 | 15°41 | 17°15 | 12°48 | 29°42 | 21° 0 | 14° 6 | 3°11 | 26°D19 | 26° 5 | 15°58 | 14°12 | T 23 |
| W24 | 8 13 44 | 3°33'48 | 14°17 | 19°45 | 16°42 | 18° 2 | 13° 1 | 29°49 | 20°57 | 14° 8 | 3°11 | 26°19 | 26° 2 | 16° 4 | 14°14 | W24 |
| T 25 | 8 17 40 | 4°34'55 | 28°32 | 21°16 | 17°43 | 18°49 | 13°13 | 29°55 | 20°55 | 14° 9 | 3°10 | 26°20 | 25°59 | 16°11 | 14°15 | T 25 |
| F 26 | 8 21 37 | 5°36'02 | 12♐49 | 22°47 | 18°45 | 19°36 | 13°26 | 0♑ 1 | 20°52 | 14°11 | 3° 9 | 26°20 | 25°56 | 16°18 | 14°17 | F 26 |
| S 27 | 8 25 33 | 6°37'09 | 27° 2 | 24°19 | 19°47 | 20°23 | 13°39 | 0° 8 | 20°50 | 14°12 | 3° 9 | 26°21 | 25°53 | 16°24 | 14°19 | S 27 |
| S 28 | 8 29 30 | 7°38'15 | 11♑11 | 25°51 | 20°50 | 21°10 | 13°52 | 0°14 | 20°47 | 14°14 | 3° 8 | 26°22 | 25°50 | 16°31 | 14°20 | S 28 |
| M29 | 8 33 26 | 8°39'22 | 25°10 | 27°24 | 21°52 | 21°57 | 14° 5 | 0°20 | 20°45 | 14°15 | 3° 7 | 26°R22 | 25°46 | 16°38 | 14°22 | M29 |
| T 30 | 8 37 23 | 9°40'28 | 8♒56 | 28°57 | 22°55 | 22°45 | 14°18 | 0°26 | 20°42 | 14°17 | 3° 6 | 26°22 | 25°43 | 16°45 | 14°24 | T 30 |
| W31 | 8 41 20 | 10♒41'34 | 22♒27 | 0♒31 | 23♐59 | 23♒32 | 14♓31 | 0♑32 | 20♋40 | 14♐18 | 3♎ 6 | 26♑21 | 25♑40 | 16♉51 | 14♈26 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s56 | 23s 9 | 0s53 | 20s41 | 2n10 | 15s47 | 3n23 | 21s 6 | 1s 6 | 9s15 | 0s58 | 21s58 | 1n19 | 21n59 | 0n26 | 20s46 | 1n32 | 12n11 | 14n42 | 20s47 | 20s36 | 20n31 | 7n 2 | 1n44 |
| T 2 | 22 51 | 19 28 | 0n25 | 20 53 | 2 3 | 15 55 | 3 26 | 20 56 | 1 6 | 9 11 | 0 58 | 21 58 | 1 19 | 21 59 | 0 26 | 20 46 | 1 32 | 12 12 | 14 42 | 20 47 | 20 37 | 20 33 | 7 2 | 1 44 |
| W 3 | 22 46 | 14 48 | 1 39 | 21 6 | 1 55 | 16 3 | 3 29 | 20 46 | 1 6 | 9 7 | 0 58 | 21 59 | 1 19 | 21 59 | 0 26 | 20 47 | 1 32 | 12 12 | 14 43 | 20 47 | 20 37 | 20 35 | 7 2 | 1 44 |
| T 4 | 22 40 | 9 33 | 2 46 | 21 18 | 1 47 | 16 12 | 3 31 | 20 35 | 1 6 | 9 2 | 0 58 | 21 59 | 1 19 | 22 0 | 0 26 | 20 47 | 1 32 | 12 13 | 14 43 | 20 46 | 20 38 | 20 37 | 7 2 | 1 44 |
| F 5 | 22 34 | 4 2 | 3 42 | 21 30 | 1 39 | 16 20 | 3 33 | 20 25 | 1 7 | 8 58 | 0 58 | 21 59 | 1 19 | 22 0 | 0 26 | 20 47 | 1 32 | 12 13 | 14 44 | 20 46 | 20 39 | 20 38 | 7 2 | 1 43 |
| S 6 | 22 27 | 1n28 | 4 26 | 21 41 | 1 31 | 16 29 | 3 35 | 20 14 | 1 7 | 8 54 | 0 58 | 21 59 | 1 19 | 22 1 | 0 27 | 20 47 | 1 32 | 12 14 | 14 44 | 20 46 | 20 39 | 20 40 | 7 2 | 1 43 |
| S 7 | 22 20 | 6 48 | 4 56 | 21 52 | 1 23 | 16 38 | 3 37 | 20 3 | 1 7 | 8 50 | 0 58 | 21 59 | 1 19 | 22 1 | 0 27 | 20 48 | 1 32 | 12 14 | 14 45 | 20 46 | 20 40 | 20 42 | 7 2 | 1 43 |
| M 8 | 22 12 | 11 46 | 5 13 | 22 3 | 1 14 | 16 47 | 3 38 | 19 52 | 1 7 | 8 45 | 0 58 | 21 59 | 1 19 | 22 1 | 0 27 | 20 48 | 1 32 | 12 15 | 14 46 | 20 46 | 20 40 | 20 44 | 7 2 | 1 43 |
| T 9 | 22 4 | 16 15 | 5 16 | 22 12 | 1 6 | 16 56 | 3 40 | 19 40 | 1 7 | 8 41 | 0 58 | 21 59 | 1 19 | 22 2 | 0 27 | 20 48 | 1 32 | 12 15 | 14 46 | 20 46 | 20 41 | 20 46 | 7 3 | 1 43 |
| W10 | 21 56 | 20 4 | 5 6 | 22 21 | 0 58 | 17 5 | 3 41 | 19 29 | 1 7 | 8 37 | 0 58 | 22 0 | 1 19 | 22 2 | 0 27 | 20 48 | 1 32 | 12 16 | 14 47 | 20 46 | 20 42 | 20 47 | 7 3 | 1 43 |
| T 11 | 21 47 | 23 6 | 4 42 | 22 30 | 0 49 | 17 14 | 3 41 | 19 17 | 1 7 | 8 32 | 0 58 | 22 0 | 1 19 | 22 3 | 0 27 | 20 48 | 1 32 | 12 16 | 14 47 | 20 46 | 20 42 | 20 49 | 7 3 | 1 42 |
| F 12 | 21 38 | 25 8 | 4 6 | 22 37 | 0 41 | 17 23 | 3 42 | 19 5 | 1 7 | 8 28 | 0 57 | 22 0 | 1 19 | 22 3 | 0 27 | 20 49 | 1 32 | 12 17 | 14 48 | 20 46 | 20 43 | 20 51 | 7 3 | 1 42 |
| S 13 | 21 28 | 26 2 | 3 19 | 22 43 | 0 33 | 17 33 | 3 42 | 18 52 | 1 7 | 8 23 | 0 57 | 22 0 | 1 19 | 22 3 | 0 27 | 20 49 | 1 32 | 12 17 | 14 48 | 20 46 | 20 43 | 20 53 | 7 3 | 1 42 |
| S 14 | 21 18 | 25 41 | 2 22 | 22 48 | 0 25 | 17 42 | 3 42 | 18 40 | 1 7 | 8 19 | 0 57 | 22 0 | 1 19 | 22 4 | 0 27 | 20 49 | 1 32 | 12 18 | 14 49 | 20 46 | 20 44 | 20 54 | 7 4 | 1 42 |
| M15 | 21 8 | 24 2 | 1 17 | 22 53 | 0 17 | 17 51 | 3 42 | 18 27 | 1 7 | 8 14 | 0 57 | 22 0 | 1 19 | 22 4 | 0 27 | 20 49 | 1 32 | 12 18 | 14 49 | 20 46 | 20 45 | 20 56 | 7 4 | 1 42 |
| T 16 | 20 57 | 21 9 | 0 7 | 22 56 | 0 9 | 18 0 | 3 42 | 18 14 | 1 7 | 8 9 | 0 57 | 22 0 | 1 19 | 22 5 | 0 27 | 20 49 | 1 32 | 12 19 | 14 50 | 20 46 | 20 45 | 20 58 | 7 4 | 1 42 |
| W17 | 20 45 | 17 9 | 1s 4 | 22 58 | 0 1 | 18 8 | 3 42 | 18 1 | 1 7 | 8 5 | 0 57 | 22 0 | 1 19 | 22 5 | 0 27 | 20 50 | 1 32 | 12 20 | 14 50 | 20 46 | 20 46 | 20 59 | 7 5 | 1 41 |
| T 18 | 20 34 | 12 15 | 2 13 | 22 59 | 0s 6 | 18 17 | 3 41 | 17 48 | 1 7 | 8 0 | 0 57 | 22 0 | 1 19 | 22 6 | 0 27 | 20 50 | 1 32 | 12 20 | 14 51 | 20 47 | 20 46 | 21 1 | 7 5 | 1 41 |
| F 19 | 20 22 | 6 43 | 3 17 | 22 59 | 0 14 | 18 26 | 3 41 | 17 34 | 1 7 | 7 55 | 0 57 | 22 0 | 1 19 | 22 6 | 0 27 | 20 50 | 1 32 | 12 21 | 14 51 | 20 47 | 20 47 | 21 3 | 7 5 | 1 41 |
| S 20 | 20 9 | 0 48 | 4 10 | 22 58 | 0 21 | 18 34 | 3 40 | 17 21 | 1 7 | 7 50 | 0 57 | 22 0 | 1 19 | 22 6 | 0 27 | 20 50 | 1 32 | 12 22 | 14 52 | 20 47 | 20 48 | 21 5 | 7 6 | 1 41 |
| S 21 | 19 56 | 5s14 | 4 49 | 22 55 | 0 28 | 18 42 | 3 39 | 17 7 | 1 7 | 7 46 | 0 57 | 22 0 | 1 19 | 22 7 | 0 27 | 20 50 | 1 32 | 12 22 | 14 52 | 20 47 | 20 48 | 21 6 | 7 6 | 1 41 |
| M22 | 19 43 | 11 4 | 5 12 | 22 51 | 0 35 | 18 50 | 3 38 | 16 53 | 1 6 | 7 41 | 0 57 | 22 0 | 1 19 | 22 7 | 0 27 | 20 50 | 1 33 | 12 23 | 14 52 | 20 47 | 20 49 | 21 8 | 7 7 | 1 41 |
| T 23 | 19 29 | 16 23 | 5 16 | 22 46 | 0 42 | 18 58 | 3 37 | 16 38 | 1 6 | 7 36 | 0 57 | 22 0 | 1 19 | 22 8 | 0 27 | 20 51 | 1 33 | 12 24 | 14 53 | 20 47 | 20 49 | 21 10 | 7 7 | 1 40 |
| W24 | 19 15 | 20 51 | 5 2 | 22 40 | 0 48 | 19 5 | 3 35 | 16 24 | 1 6 | 7 31 | 0 57 | 22 0 | 1 19 | 22 8 | 0 27 | 20 51 | 1 33 | 12 24 | 14 53 | 20 47 | 20 50 | 21 11 | 7 7 | 1 40 |
| T 25 | 19 1 | 24 6 | 4 28 | 22 33 | 0 55 | 19 12 | 3 34 | 16 9 | 1 6 | 7 26 | 0 57 | 22 0 | 1 19 | 22 8 | 0 27 | 20 51 | 1 33 | 12 25 | 14 54 | 20 47 | 20 51 | 21 13 | 7 8 | 1 40 |
| F 26 | 18 46 | 25 50 | 3 39 | 22 24 | 1 1 | 19 19 | 3 32 | 15 55 | 1 6 | 7 21 | 0 57 | 22 0 | 1 19 | 22 9 | 0 27 | 20 51 | 1 33 | 12 26 | 14 54 | 20 47 | 20 51 | 21 15 | 7 8 | 1 40 |
| S 27 | 18 31 | 25 52 | 2 35 | 22 14 | 1 7 | 19 26 | 3 30 | 15 40 | 1 6 | 7 16 | 0 57 | 22 0 | 1 19 | 22 9 | 0 27 | 20 51 | 1 33 | 12 26 | 14 55 | 20 46 | 20 52 | 21 16 | 7 9 | 1 40 |
| S 28 | 18 16 | 24 14 | 1 23 | 22 3 | 1 13 | 19 32 | 3 28 | 15 25 | 1 6 | 7 11 | 0 57 | 22 0 | 1 19 | 22 9 | 0 27 | 20 51 | 1 33 | 12 27 | 14 55 | 20 46 | 20 52 | 21 18 | 7 10 | 1 40 |
| M29 | 18 0 | 21 6 | 0 7 | 21 51 | 1 18 | 19 38 | 3 26 | 15 9 | 1 6 | 7 6 | 0 57 | 22 0 | 1 19 | 22 10 | 0 27 | 20 51 | 1 33 | 12 28 | 14 56 | 20 46 | 20 53 | 21 20 | 7 10 | 1 40 |
| T 30 | 17 44 | 16 49 | 1n 9 | 21 37 | 1 23 | 19 44 | 3 24 | 14 54 | 1 6 | 7 1 | 0 56 | 22 0 | 1 19 | 22 10 | 0 27 | 20 52 | 1 33 | 12 28 | 14 56 | 20 46 | 20 53 | 21 21 | 7 11 | 1 39 |
| W31 | 17s28 | 11s46 | 2n19 | 21s22 | 1s28 | 19s49 | 3n22 | 14s38 | 1s 6 | 6s56 | 0s56 | 22s 0 | 1n19 | 22n11 | 0n27 | 20s52 | 1n33 | 12n29 | 14n57 | 20s46 | 20s54 | 21n23 | 7n11 | 1n39 |

Julian Day Number = 2801812.5, Delta T = 50m31s
Ecliptic obliquity = 23°18'58, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'51, Lahiri = 37°16'51


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# ASTRODIENST EPHEMERIS for the year 2959
# geocentric

## FEBRUARY 2959 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 45 16 | 11♒42'40 | 5♓39 | 2♒ 5 | 25♐ 2 | 24♒19 | 14♓45 | 0♑38 | 20°R38 | 14♐20 | 3°R 5 | 26°R19 | 25♑37 | 16♉58 | 14♈28 | T 1 |
| F 2 | 8 49 13 | 12°43'44 | 18°33 | 3°40 | 26° 6 | 25° 6 | 14°58 | 0°44 | 20♋35 | 14°21 | 3♎ 4 | 26♑17 | 25°34 | 17° 5 | 14°30 | F 2 |
| S 3 | 8 53 9 | 13°44'48 | 1♈ 9 | 5°15 | 27°11 | 25°54 | 15°11 | 0°50 | 20°33 | 14°22 | 3° 3 | 26°14 | 25°31 | 17°11 | 14°32 | S 3 |
| S 4 | 8 57 6 | 14°45'52 | 13°28 | 6°51 | 28°15 | 26°41 | 15°25 | 0°56 | 20°31 | 14°24 | 3° 2 | 26°12 | 25°27 | 17°18 | 14°34 | S 4 |
| M 5 | 9 1 2 | 15°46'54 | 25°35 | 8°28 | 29°20 | 27°28 | 15°38 | 1° 2 | 20°28 | 14°25 | 3° 1 | 26° 9 | 25°24 | 17°25 | 14°36 | M 5 |
| T 6 | 9 4 59 | 16°47'56 | 7♉32 | 10° 5 | 0♑25 | 28°16 | 15°52 | 1° 7 | 20°26 | 14°26 | 3° 0 | 26° 8 | 25°21 | 17°32 | 14°39 | T 6 |
| W 7 | 9 8 55 | 17°48'57 | 19°24 | 11°42 | 1°30 | 29° 3 | 16° 5 | 1°13 | 20°24 | 14°28 | 2°59 | 26°D 8 | 25°18 | 17°38 | 14°41 | W 7 |
| T 8 | 9 12 52 | 18°49'57 | 1♊16 | 13°20 | 2°36 | 29°50 | 16°19 | 1°18 | 20°22 | 14°29 | 2°58 | 26° 8 | 25°15 | 17°45 | 14°43 | T 8 |
| F 9 | 9 16 49 | 19°50'57 | 13°13 | 14°59 | 3°42 | 0♓38 | 16°33 | 1°24 | 20°20 | 14°30 | 2°57 | 26°10 | 25°11 | 17°52 | 14°45 | F 9 |
| S 10 | 9 20 45 | 20°51'55 | 25°20 | 16°38 | 4°48 | 1°25 | 16°46 | 1°29 | 20°17 | 14°31 | 2°56 | 26°11 | 25° 8 | 17°58 | 14°48 | S 10 |
| S 11 | 9 24 42 | 21°52'52 | 7♋41 | 18°18 | 5°54 | 2°12 | 17° 0 | 1°35 | 20°15 | 14°32 | 2°55 | 26°13 | 25° 5 | 18° 5 | 14°50 | S 11 |
| M12 | 9 28 38 | 22°53'49 | 20°18 | 19°59 | 7° 0 | 3° 0 | 17°14 | 1°40 | 20°13 | 14°33 | 2°54 | 26°R14 | 25° 2 | 18°12 | 14°53 | M12 |
| T 13 | 9 32 35 | 23°54'44 | 3♌15 | 21°40 | 8° 7 | 3°47 | 17°28 | 1°46 | 20°11 | 14°34 | 2°53 | 26°14 | 24°59 | 18°19 | 14°55 | T 13 |
| W14 | 9 36 31 | 24°55'38 | 16°33 | 23°22 | 9°14 | 4°35 | 17°42 | 1°51 | 20° 9 | 14°36 | 2°52 | 26°13 | 24°56 | 18°25 | 14°58 | W14 |
| T 15 | 9 40 28 | 25°56'31 | 0♍10 | 25° 5 | 10°21 | 5°22 | 17°56 | 1°56 | 20° 7 | 14°37 | 2°50 | 26°10 | 24°52 | 18°32 | 15° 0 | T 15 |
| F 16 | 9 44 24 | 26°57'24 | 14° 4 | 26°48 | 11°28 | 6°10 | 18°10 | 2° 1 | 20° 5 | 14°37 | 2°49 | 26° 5 | 24°49 | 18°39 | 15° 3 | F 16 |
| S 17 | 9 48 21 | 27°58'15 | 28°12 | 28°32 | 12°36 | 6°57 | 18°24 | 2° 6 | 20° 3 | 14°38 | 2°48 | 26° 0 | 24°46 | 18°45 | 15° 6 | S 17 |
| S 18 | 9 52 18 | 28°59'06 | 12♎28 | 0♓16 | 13°43 | 7°44 | 18°38 | 2°11 | 20° 2 | 14°39 | 2°47 | 25°55 | 24°43 | 18°52 | 15° 8 | S 18 |
| M19 | 9 56 14 | 29°59'56 | 26°48 | 2° 2 | 14°51 | 8°32 | 18°52 | 2°16 | 20° 0 | 14°40 | 2°45 | 25°51 | 24°40 | 18°59 | 15°11 | M19 |
| T 20 | 10 0 11 | 1♓ 0'45 | 11♏ 6 | 3°48 | 15°59 | 9°19 | 19° 6 | 2°21 | 19°58 | 14°41 | 2°44 | 25°48 | 24°37 | 19° 6 | 15°14 | T 20 |
| W21 | 10 4 7 | 2° 1'33 | 25°21 | 5°34 | 17° 7 | 10° 7 | 19°20 | 2°25 | 19°56 | 14°42 | 2°43 | 25°46 | 24°33 | 19°12 | 15°16 | W21 |
| T 22 | 10 8 4 | 3° 2'21 | 9♐28 | 7°21 | 18°16 | 10°54 | 19°34 | 2°30 | 19°55 | 14°43 | 2°41 | 25°D46 | 24°30 | 19°19 | 15°19 | T 22 |
| F 23 | 10 12 0 | 4° 3'08 | 23°28 | 9° 9 | 19°24 | 11°42 | 19°48 | 2°35 | 19°53 | 14°43 | 2°40 | 25°47 | 24°27 | 19°26 | 15°22 | F 23 |
| S 24 | 10 15 57 | 5° 3'54 | 7♑18 | 10°57 | 20°33 | 12°29 | 20° 3 | 2°39 | 19°51 | 14°44 | 2°39 | 25°49 | 24°24 | 19°32 | 15°25 | S 24 |
| S 25 | 10 19 53 | 6° 4'39 | 20°59 | 12°46 | 21°41 | 13°17 | 20°17 | 2°44 | 19°50 | 14°45 | 2°37 | 25°R50 | 24°21 | 19°39 | 15°28 | S 25 |
| M26 | 10 23 50 | 7° 5'23 | 4♒30 | 14°35 | 22°50 | 14° 4 | 20°31 | 2°48 | 19°48 | 14°46 | 2°36 | 25°49 | 24°17 | 19°46 | 15°31 | M26 |
| T 27 | 10 27 47 | 8° 6'05 | 17°50 | 16°24 | 23°59 | 14°52 | 20°46 | 2°52 | 19°47 | 14°46 | 2°35 | 25°47 | 24°14 | 19°53 | 15°34 | T 27 |
| W28 | 10 31 43 | 9♓ 6'47 | 0♓59 | 18♓14 | 25♑ 8 | 15♓39 | 21♓ 0 | 2♑56 | 19♋45 | 14♐47 | 2♎33 | 25♑43 | 24♑11 | 19♉59 | 15♈37 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s11 | 6s17 | 3n20 | 21s 6 | 1s33 | 19s54 | 3n19 | 14s23 | 1s 6 | 6s51 | 0s56 | 22s 0 | 1n19 | 22n11 | 0n27 | 20s52 | 1n33 | 12n30 | 14n57 | 20s47 | 20s55 | 21n25 | 7n12 | 1n39 |
| F 2 | 16 54 | 0 40 | 4 10 | 20 49 | 1 37 | 19 59 | 3 17 | 14 7 | 1 5 | 6 46 | 0 56 | 22 0 | 1 19 | 22 11 | 0 27 | 20 52 | 1 33 | 12 31 | 14 58 | 20 47 | 20 55 | 21 26 | 7 13 | 1 39 |
| S 3 | 16 37 | 4n49 | 4 46 | 20 30 | 1 41 | 20 3 | 3 14 | 13 51 | 1 5 | 6 40 | 0 56 | 22 0 | 1 19 | 22 12 | 0 27 | 20 52 | 1 33 | 12 31 | 14 58 | 20 48 | 20 56 | 21 28 | 7 13 | 1 39 |
| S 4 | 16 19 | 10 1 | 5 7 | 20 10 | 1 45 | 20 7 | 3 11 | 13 35 | 1 5 | 6 35 | 0 56 | 22 0 | 1 19 | 22 12 | 0 27 | 20 52 | 1 33 | 12 32 | 14 58 | 20 48 | 20 56 | 21 30 | 7 14 | 1 39 |
| M 5 | 16 1 | 14 44 | 5 15 | 19 48 | 1 49 | 20 10 | 3 8 | 13 18 | 1 5 | 6 30 | 0 56 | 22 0 | 1 19 | 22 12 | 0 27 | 20 52 | 1 33 | 12 33 | 14 59 | 20 49 | 20 57 | 21 31 | 7 15 | 1 38 |
| T 6 | 15 43 | 18 49 | 5 9 | 19 26 | 1 52 | 20 13 | 3 6 | 13 2 | 1 5 | 6 25 | 0 56 | 22 0 | 1 19 | 22 13 | 0 27 | 20 52 | 1 33 | 12 34 | 14 59 | 20 49 | 20 58 | 21 33 | 7 15 | 1 38 |
| W 7 | 15 25 | 22 8 | 4 50 | 19 2 | 1 55 | 20 16 | 3 3 | 12 45 | 1 5 | 6 19 | 0 56 | 22 0 | 1 19 | 22 13 | 0 27 | 20 52 | 1 33 | 12 34 | 15 0 | 20 49 | 20 58 | 21 34 | 7 16 | 1 38 |
| T 8 | 15 6 | 24 31 | 4 18 | 18 37 | 1 58 | 20 18 | 3 0 | 12 29 | 1 4 | 6 14 | 0 56 | 22 0 | 1 19 | 22 13 | 0 27 | 20 53 | 1 33 | 12 35 | 15 0 | 20 49 | 20 59 | 21 36 | 7 17 | 1 38 |
| F 9 | 14 47 | 25 49 | 3 35 | 18 10 | 2 0 | 20 20 | 2 56 | 12 12 | 1 4 | 6 9 | 0 56 | 21 59 | 1 19 | 22 14 | 0 27 | 20 53 | 1 33 | 12 36 | 15 0 | 20 49 | 20 59 | 21 38 | 7 18 | 1 38 |
| S 10 | 14 28 | 25 56 | 2 42 | 17 43 | 2 2 | 20 21 | 2 53 | 11 55 | 1 4 | 6 4 | 0 56 | 21 59 | 1 19 | 22 14 | 0 27 | 20 53 | 1 33 | 12 37 | 15 1 | 20 48 | 21 0 | 21 39 | 7 18 | 1 38 |
| S 11 | 14 9 | 24 46 | 1 40 | 17 14 | 2 4 | 20 21 | 2 50 | 11 38 | 1 4 | 5 58 | 0 56 | 21 59 | 1 19 | 22 14 | 0 27 | 20 53 | 1 33 | 12 37 | 15 1 | 20 48 | 21 0 | 21 41 | 7 19 | 1 38 |
| M12 | 13 49 | 22 20 | 0 33 | 16 43 | 2 5 | 20 22 | 2 46 | 11 21 | 1 4 | 5 53 | 0 56 | 21 59 | 1 19 | 22 14 | 0 27 | 20 53 | 1 33 | 12 38 | 15 2 | 20 48 | 21 1 | 21 42 | 7 20 | 1 37 |
| T 13 | 13 29 | 18 42 | 0s38 | 16 12 | 2 6 | 20 21 | 2 43 | 11 3 | 1 3 | 5 47 | 0 56 | 21 59 | 1 19 | 22 15 | 0 27 | 20 53 | 1 33 | 12 39 | 15 2 | 20 48 | 21 2 | 21 44 | 7 21 | 1 37 |
| W14 | 13 9 | 14 4 | 1 49 | 15 39 | 2 6 | 20 21 | 2 39 | 10 46 | 1 3 | 5 42 | 0 56 | 21 59 | 1 19 | 22 15 | 0 27 | 20 53 | 1 33 | 12 40 | 15 2 | 20 48 | 21 2 | 21 45 | 7 22 | 1 37 |
| T 15 | 12 48 | 8 37 | 2 55 | 15 5 | 2 6 | 20 19 | 2 36 | 10 28 | 1 3 | 5 37 | 0 56 | 21 59 | 1 19 | 22 15 | 0 27 | 20 53 | 1 34 | 12 41 | 15 3 | 20 49 | 21 3 | 21 47 | 7 22 | 1 37 |
| F 16 | 12 28 | 2 40 | 3 52 | 14 29 | 2 6 | 20 18 | 2 32 | 10 11 | 1 3 | 5 31 | 0 56 | 21 59 | 1 19 | 22 16 | 0 27 | 20 53 | 1 34 | 12 41 | 15 3 | 20 49 | 21 3 | 21 48 | 7 23 | 1 37 |
| S 17 | 12 7 | 3s30 | 4 36 | 13 53 | 2 5 | 20 15 | 2 29 | 9 53 | 1 3 | 5 26 | 0 56 | 21 59 | 1 19 | 22 16 | 0 27 | 20 53 | 1 34 | 12 42 | 15 3 | 20 50 | 21 4 | 21 50 | 7 24 | 1 37 |
| S 18 | 11 46 | 9 33 | 5 3 | 13 15 | 2 4 | 20 13 | 2 25 | 9 35 | 1 2 | 5 20 | 0 56 | 21 59 | 1 19 | 22 16 | 0 27 | 20 53 | 1 34 | 12 43 | 15 4 | 20 51 | 21 4 | 21 52 | 7 25 | 1 37 |
| M19 | 11 25 | 15 7 | 5 11 | 12 36 | 2 2 | 20 9 | 2 21 | 9 17 | 1 2 | 5 15 | 0 56 | 21 58 | 1 19 | 22 16 | 0 27 | 20 53 | 1 34 | 12 44 | 15 4 | 20 52 | 21 5 | 21 53 | 7 26 | 1 37 |
| T 20 | 11 4 | 19 50 | 5 0 | 11 56 | 2 0 | 20 6 | 2 17 | 8 59 | 1 2 | 5 9 | 0 56 | 21 58 | 1 19 | 22 17 | 0 27 | 20 53 | 1 34 | 12 44 | 15 4 | 20 53 | 21 5 | 21 55 | 7 27 | 1 36 |
| W21 | 10 42 | 23 23 | 4 31 | 11 14 | 1 57 | 20 1 | 2 13 | 8 41 | 1 2 | 5 4 | 0 56 | 21 58 | 1 20 | 22 17 | 0 27 | 20 53 | 1 34 | 12 45 | 15 5 | 20 53 | 21 6 | 21 56 | 7 28 | 1 36 |
| T 22 | 10 20 | 25 28 | 3 45 | 10 32 | 1 54 | 19 56 | 2 9 | 8 23 | 1 1 | 4 58 | 0 56 | 21 58 | 1 20 | 22 17 | 0 27 | 20 53 | 1 34 | 12 46 | 15 5 | 20 53 | 21 7 | 21 58 | 7 29 | 1 36 |
| F 23 | 9 58 | 25 56 | 2 47 | 9 48 | 1 50 | 19 51 | 2 6 | 8 5 | 1 1 | 4 53 | 0 56 | 21 58 | 1 20 | 22 17 | 0 27 | 20 53 | 1 34 | 12 47 | 15 5 | 20 53 | 21 7 | 21 59 | 7 30 | 1 36 |
| S 24 | 9 36 | 24 46 | 1 39 | 9 3 | 1 46 | 19 45 | 2 2 | 7 47 | 1 1 | 4 47 | 0 56 | 21 58 | 1 20 | 22 18 | 0 27 | 20 54 | 1 34 | 12 48 | 15 5 | 20 52 | 21 8 | 22 1 | 7 31 | 1 36 |
| S 25 | 9 14 | 22 7 | 0 26 | 8 17 | 1 41 | 19 39 | 1 58 | 7 28 | 1 0 | 4 41 | 0 56 | 21 58 | 1 20 | 22 18 | 0 27 | 20 54 | 1 34 | 12 48 | 15 6 | 20 52 | 21 8 | 22 2 | 7 32 | 1 36 |
| M26 | 8 52 | 18 17 | 0n47 | 7 30 | 1 35 | 19 32 | 1 54 | 7 10 | 1 0 | 4 36 | 0 56 | 21 57 | 1 20 | 22 18 | 0 27 | 20 54 | 1 34 | 12 49 | 15 6 | 20 52 | 21 9 | 22 4 | 7 33 | 1 36 |
| T 27 | 8 29 | 13 34 | 1 56 | 6 43 | 1 29 | 19 24 | 1 49 | 6 51 | 1 0 | 4 30 | 0 56 | 21 57 | 1 20 | 22 18 | 0 27 | 20 54 | 1 34 | 12 50 | 15 6 | 20 53 | 21 9 | 22 5 | 7 34 | 1 36 |
| W28 | 8s 7 | 8s17 | 2n58 | 5s54 | 1s22 | 19s16 | 1n45 | 6s33 | 1s 0 | 4s25 | 0s56 | 21s57 | 1n20 | 22n18 | 0n27 | 20s54 | 1n34 | 12n51 | 15n 7 | 20s54 | 21s10 | 22n 7 | 7n35 | 1n35 |

Julian Day Number = 2801843.5, Delta T = 50m31s
Ecliptic obliquity = 23°18'58, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'55, Lahiri = 37°16'55


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# ASTRODIENST EPHEMERIS for the year 2959
# geocentric

## MARCH 2959 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 35 40 | 10♓ 7'27 | 13♓54 | 20♓ 3 | 26♉18 | 16♓27 | 21♓14 | 3♉ 1 | 19°R44 | 14♐47 | 2°R32 | 25°R36 | 24♉ 8 | 20♉ 6 | 15♈40 | T 1 |
| F 2 | 10 39 36 | 11° 8'06 | 26°37 | 21°52 | 27°27 | 17°14 | 21°29 | 3° 5 | 19♋43 | 14°48 | 2♎30 | 25♉28 | 24° 5 | 20°13 | 15°43 | F 2 |
| S 3 | 10 43 33 | 12° 8'43 | 9♈ 6 | 23°40 | 28°36 | 18° 2 | 21°43 | 3° 9 | 19°41 | 14°48 | 2°29 | 25°19 | 24° 2 | 20°19 | 15°46 | S 3 |
| S 4 | 10 47 29 | 13° 9'19 | 21°22 | 25°28 | 29°46 | 18°49 | 21°57 | 3°12 | 19°40 | 14°49 | 2°27 | 25°10 | 23°58 | 20°26 | 15°49 | S 4 |
| M 5 | 10 51 26 | 14° 9'54 | 3♉27 | 27°14 | 0♒56 | 19°37 | 22°12 | 3°16 | 19°39 | 14°49 | 2°26 | 25° 2 | 23°55 | 20°33 | 15°52 | M 5 |
| T 6 | 10 55 22 | 15°10'26 | 15°23 | 28°59 | 2° 5 | 20°24 | 22°26 | 3°20 | 19°38 | 14°50 | 2°24 | 24°56 | 23°52 | 20°39 | 15°55 | T 6 |
| W 7 | 10 59 19 | 16°10'58 | 27°14 | 0♈42 | 3°15 | 21°12 | 22°41 | 3°24 | 19°37 | 14°50 | 2°23 | 24°51 | 23°49 | 20°46 | 15°59 | W 7 |
| T 8 | 11 3 15 | 17°11'27 | 9♊ 5 | 2°23 | 4°25 | 21°59 | 22°55 | 3°27 | 19°35 | 14°50 | 2°21 | 24°49 | 23°46 | 20°53 | 16° 2 | T 8 |
| F 9 | 11 7 12 | 18°11'55 | 21° 0 | 4° 1 | 5°35 | 22°47 | 23°10 | 3°31 | 19°34 | 14°51 | 2°20 | 24°D49 | 23°42 | 21° 0 | 16° 5 | F 9 |
| S 10 | 11 11 9 | 19°12'20 | 3♋ 4 | 5°36 | 6°46 | 23°34 | 23°24 | 3°34 | 19°33 | 14°51 | 2°18 | 24°49 | 23°39 | 21° 6 | 16° 8 | S 10 |
| S 11 | 11 15 5 | 20°12'44 | 15°23 | 7° 6 | 7°56 | 24°21 | 23°39 | 3°37 | 19°33 | 14°51 | 2°17 | 24°50 | 23°36 | 21°13 | 16°12 | S 11 |
| M12 | 11 19 2 | 21°13'06 | 28° 2 | 8°32 | 9° 6 | 25° 9 | 23°53 | 3°40 | 19°32 | 14°51 | 2°15 | 24°R51 | 23°33 | 21°20 | 16°15 | M12 |
| T 13 | 11 22 58 | 22°13'27 | 11♌ 4 | 9°53 | 10°17 | 25°56 | 24° 8 | 3°44 | 19°31 | 14°51 | 2°13 | 24°49 | 23°30 | 21°26 | 16°18 | T 13 |
| W14 | 11 26 55 | 23°13'45 | 24°31 | 11° 8 | 11°27 | 26°44 | 24°22 | 3°47 | 19°30 | 14°51 | 2°12 | 24°46 | 23°27 | 21°33 | 16°21 | W14 |
| T 15 | 11 30 51 | 24°14'01 | 8♍25 | 12°17 | 12°38 | 27°31 | 24°37 | 3°49 | 19°29 | 14°52 | 2°10 | 24°40 | 23°23 | 21°40 | 16°25 | T 15 |
| F 16 | 11 34 48 | 25°14'16 | 22°41 | 13°19 | 13°48 | 28°18 | 24°51 | 3°52 | 19°29 | 14°52 | 2° 9 | 24°31 | 23°20 | 21°47 | 16°28 | F 16 |
| S 17 | 11 38 44 | 26°14'29 | 7♎16 | 14°13 | 14°59 | 29° 6 | 25° 6 | 3°55 | 19°28 | 14°R52 | 2° 7 | 24°22 | 23°17 | 21°53 | 16°32 | S 17 |
| S 18 | 11 42 41 | 27°14'40 | 22° 2 | 14°59 | 16°10 | 29°53 | 25°20 | 3°58 | 19°28 | 14°52 | 2° 6 | 24°12 | 23°14 | 22° 0 | 16°35 | S 18 |
| M19 | 11 46 38 | 28°14'50 | 6♏49 | 15°36 | 17°21 | 0♈40 | 25°35 | 4° 0 | 19°27 | 14°52 | 2° 4 | 24° 3 | 23°11 | 22° 7 | 16°38 | M19 |
| T 20 | 11 50 34 | 29°14'59 | 21°31 | 16° 5 | 18°32 | 1°28 | 25°49 | 4° 3 | 19°27 | 14°51 | 2° 2 | 23°55 | 23° 8 | 22°13 | 16°42 | T 20 |
| W21 | 11 54 31 | 0♈15'05 | 6♐ 2 | 16°24 | 19°43 | 2°15 | 26° 4 | 4° 5 | 19°26 | 14°51 | 2° 1 | 23°51 | 23° 4 | 22°20 | 16°45 | W21 |
| T 22 | 11 58 27 | 1°15'11 | 20°17 | 16°34 | 20°54 | 3° 2 | 26°18 | 4° 7 | 19°26 | 14°51 | 1°59 | 23°48 | 23° 1 | 22°27 | 16°49 | T 22 |
| F 23 | 12 2 24 | 2°15'15 | 4♑14 | 16°R35 | 22° 5 | 3°49 | 26°32 | 4° 9 | 19°26 | 14°51 | 1°58 | 23°D48 | 22°58 | 22°33 | 16°52 | F 23 |
| S 24 | 12 6 20 | 3°15'17 | 17°54 | 16°27 | 23°16 | 4°37 | 26°47 | 4°11 | 19°25 | 14°51 | 1°56 | 23°R48 | 22°55 | 22°40 | 16°56 | S 24 |
| S 25 | 12 10 17 | 4°15'18 | 1♒19 | 16°11 | 24°28 | 5°24 | 27° 1 | 4°13 | 19°25 | 14°51 | 1°54 | 23°48 | 22°52 | 22°47 | 16°59 | S 25 |
| M26 | 12 14 13 | 5°15'17 | 14°29 | 15°46 | 25°39 | 6°11 | 27°16 | 4°15 | 19°25 | 14°50 | 1°53 | 23°46 | 22°48 | 22°54 | 17° 3 | M26 |
| T 27 | 12 18 10 | 6°15'15 | 27°27 | 15°14 | 26°50 | 6°58 | 27°30 | 4°17 | 19°25 | 14°50 | 1°51 | 23°42 | 22°45 | 23° 0 | 17° 6 | T 27 |
| W28 | 12 22 7 | 7°15'11 | 10♓14 | 14°35 | 28° 2 | 7°45 | 27°45 | 4°19 | 19°D25 | 14°50 | 1°50 | 23°35 | 22°42 | 23° 7 | 17°10 | W28 |
| T 29 | 12 26 3 | 8°15'05 | 22°51 | 13°50 | 29°13 | 8°33 | 27°59 | 4°20 | 19°25 | 14°49 | 1°48 | 23°25 | 22°39 | 23°14 | 17°13 | T 29 |
| F 30 | 12 30 0 | 9°14'57 | 5♈17 | 13° 0 | 0♓25 | 9°20 | 28°13 | 4°22 | 19°25 | 14°49 | 1°46 | 23°12 | 22°36 | 23°20 | 17°17 | F 30 |
| S 31 | 12 33 56 | 10♈14'47 | 17♈34 | 12♈ 7 | 1♓37 | 10♈ 7 | 28♓28 | 4♉23 | 19♋25 | 14♐48 | 1♎45 | 22♉58 | 22♉33 | 23♉27 | 17♈20 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 7s44 | 2s45 | 3n50 | 5s 4 | 1s15 | 19s 8 | 1n41 | 6s14 | 0s59 | 4s19 | 0s56 | 21s57 | 1n20 | 22n19 | 0n26 | 20s54 | 1n34 | 12n52 | 15n 7 | 20s55 | 21s10 | 22n 8 | 7n36 | 1n35 | |
| F 2 | 7 21 | 2n47 | 4 29 | 4 14 | 1 7 | 18 58 | 1 37 | 5 55 | 0 59 | 4 13 | 0 56 | 21 57 | 1 20 | 22 19 | 0 26 | 20 54 | 1 34 | 12 52 | 15 7 | 20 56 | 21 11 | 22 9 | 7 37 | 1 35 | |
| S 3 | 6 58 | 8 6 | 4 55 | 3 24 | 0 58 | 18 49 | 1 33 | 5 36 | 0 59 | 4 8 | 0 56 | 21 57 | 1 20 | 22 19 | 0 26 | 20 54 | 1 34 | 12 53 | 15 7 | 20 58 | 21 12 | 22 11 | 7 38 | 1 35 | |
| S 4 | 6 35 | 13 1 | 5 6 | 2 33 | 0 49 | 18 39 | 1 29 | 5 18 | 0 58 | 4 2 | 0 56 | 21 57 | 1 20 | 22 19 | 0 26 | 20 54 | 1 34 | 12 54 | 15 8 | 20 59 | 21 12 | 22 12 | 7 39 | 1 35 | |
| M 5 | 6 12 | 17 21 | 5 4 | 1 41 | 0 39 | 18 28 | 1 25 | 4 59 | 0 58 | 3 56 | 0 56 | 21 56 | 1 20 | 22 19 | 0 26 | 20 54 | 1 34 | 12 55 | 15 8 | 21 1 | 21 13 | 22 14 | 7 40 | 1 35 | |
| T 6 | 5 49 | 20 57 | 4 48 | 0 50 | 0 28 | 18 17 | 1 21 | 4 40 | 0 58 | 3 51 | 0 56 | 21 56 | 1 20 | 22 19 | 0 26 | 20 54 | 1 34 | 12 56 | 15 8 | 21 2 | 21 13 | 22 15 | 7 42 | 1 35 | |
| W 7 | 5 25 | 23 39 | 4 20 | 0n 1 | 0 17 | 18 5 | 1 17 | 4 21 | 0 57 | 3 45 | 0 56 | 21 56 | 1 20 | 22 20 | 0 26 | 20 54 | 1 34 | 12 56 | 15 8 | 21 3 | 21 14 | 22 17 | 7 43 | 1 35 | |
| T 8 | 5 2 | 25 20 | 3 40 | 0 52 | 0 5 | 17 53 | 1 12 | 4 2 | 0 57 | 3 39 | 0 56 | 21 56 | 1 20 | 22 20 | 0 26 | 20 54 | 1 35 | 12 57 | 15 8 | 21 3 | 21 14 | 22 18 | 7 44 | 1 34 | |
| F 9 | 4 39 | 25 52 | 2 51 | 1 42 | 0n 7 | 17 40 | 1 8 | 3 43 | 0 56 | 3 34 | 0 56 | 21 56 | 1 20 | 22 20 | 0 26 | 20 54 | 1 35 | 12 58 | 15 9 | 21 3 | 21 15 | 22 19 | 7 45 | 1 34 | |
| S 10 | 4 15 | 25 11 | 1 54 | 2 31 | 0 20 | 17 27 | 1 4 | 3 24 | 0 56 | 3 28 | 0 56 | 21 56 | 1 21 | 22 20 | 0 26 | 20 54 | 1 35 | 12 59 | 15 9 | 21 3 | 21 15 | 22 21 | 7 46 | 1 34 | |
| S 11 | 3 51 | 23 16 | 0 51 | 3 19 | 0 33 | 17 13 | 1 0 | 3 5 | 0 56 | 3 22 | 0 56 | 21 55 | 1 21 | 22 20 | 0 26 | 20 54 | 1 35 | 12 59 | 15 9 | 21 3 | 21 16 | 22 22 | 7 47 | 1 34 | |
| M12 | 3 28 | 20 10 | 0s17 | 4 5 | 0 47 | 16 59 | 0 56 | 2 46 | 0 55 | 3 17 | 0 56 | 21 55 | 1 21 | 22 20 | 0 26 | 20 54 | 1 35 | 13 0 | 15 9 | 21 3 | 21 16 | 22 24 | 7 48 | 1 34 | |
| T 13 | 3 4 | 15 59 | 1 26 | 4 50 | 1 1 | 16 45 | 0 52 | 2 27 | 0 55 | 3 11 | 0 56 | 21 55 | 1 21 | 22 20 | 0 26 | 20 53 | 1 35 | 13 1 | 15 9 | 21 3 | 21 17 | 22 25 | 7 50 | 1 34 | |
| W14 | 2 40 | 10 54 | 2 32 | 5 32 | 1 15 | 16 29 | 0 48 | 2 8 | 0 55 | 3 5 | 0 56 | 21 55 | 1 21 | 22 20 | 0 26 | 20 53 | 1 35 | 13 2 | 15 9 | 21 4 | 21 18 | 22 26 | 7 51 | 1 34 | |
| T 15 | 2 17 | 5 7 | 3 31 | 6 12 | 1 29 | 16 14 | 0 44 | 1 49 | 0 54 | 3 0 | 0 56 | 21 55 | 1 21 | 22 21 | 0 26 | 20 53 | 1 35 | 13 2 | 15 10 | 21 5 | 21 18 | 22 28 | 7 52 | 1 34 | |
| F 16 | 1 53 | 1s 4 | 4 18 | 6 49 | 1 44 | 15 58 | 0 40 | 1 30 | 0 54 | 2 54 | 0 57 | 21 55 | 1 21 | 22 21 | 0 26 | 20 53 | 1 35 | 13 3 | 15 10 | 21 6 | 21 19 | 22 29 | 7 53 | 1 34 | |
| S 17 | 1 29 | 7 19 | 4 50 | 7 23 | 1 58 | 15 41 | 0 36 | 1 10 | 0 53 | 2 48 | 0 57 | 21 55 | 1 21 | 22 21 | 0 26 | 20 53 | 1 35 | 13 4 | 15 10 | 21 8 | 21 19 | 22 31 | 7 54 | 1 34 | |
| S 18 | 1 5 | 13 13 | 5 3 | 7 53 | 2 11 | 15 24 | 0 32 | 0 51 | 0 53 | 2 43 | 0 57 | 21 54 | 1 21 | 22 21 | 0 26 | 20 53 | 1 35 | 13 5 | 15 10 | 21 10 | 21 20 | 22 32 | 7 56 | 1 33 | |
| M19 | 0 42 | 18 23 | 4 56 | 8 20 | 2 24 | 15 7 | 0 28 | 0 32 | 0 53 | 2 37 | 0 57 | 21 54 | 1 21 | 22 21 | 0 26 | 20 53 | 1 35 | 13 5 | 15 10 | 21 11 | 21 20 | 22 33 | 7 57 | 1 33 | |
| T 20 | 0 18 | 22 23 | 4 29 | 8 42 | 2 37 | 14 49 | 0 24 | 0 13 | 0 52 | 2 31 | 0 57 | 21 54 | 1 21 | 22 21 | 0 26 | 20 53 | 1 35 | 13 6 | 15 10 | 21 13 | 21 21 | 22 35 | 7 58 | 1 33 | |
| W21 | 0n 6 | 24 54 | 3 45 | 9 0 | 2 48 | 14 31 | 0 20 | 0n 6 | 0 52 | 2 26 | 0 57 | 21 54 | 1 21 | 22 21 | 0 26 | 20 53 | 1 35 | 13 7 | 15 10 | 21 13 | 21 21 | 22 36 | 7 59 | 1 33 | |
| T 22 | 0 30 | 25 45 | 2 48 | 9 14 | 2 59 | 14 12 | 0 16 | 0 25 | 0 51 | 2 20 | 0 57 | 21 54 | 1 21 | 22 21 | 0 26 | 20 53 | 1 35 | 13 7 | 15 10 | 21 14 | 21 22 | 22 37 | 8 0 | 1 33 | |
| F 23 | 0 54 | 24 57 | 1 42 | 9 23 | 3 8 | 13 53 | 0 12 | 0 44 | 0 51 | 2 14 | 0 57 | 21 54 | 1 21 | 22 21 | 0 26 | 20 53 | 1 35 | 13 8 | 15 10 | 21 14 | 21 22 | 22 39 | 8 2 | 1 33 | |
| S 24 | 1 17 | 22 39 | 0 31 | 9 28 | 3 16 | 13 33 | 0 9 | 1 3 | 0 50 | 2 9 | 0 57 | 21 54 | 1 21 | 22 21 | 0 26 | 20 53 | 1 35 | 13 9 | 15 10 | 21 14 | 21 23 | 22 40 | 8 3 | 1 33 | |
| S 25 | 1 41 | 19 7 | 0n40 | 9 27 | 3 23 | 13 14 | 0 5 | 1 22 | 0 50 | 2 3 | 0 57 | 21 53 | 1 22 | 22 21 | 0 26 | 20 53 | 1 35 | 13 10 | 15 10 | 21 14 | 21 23 | 22 41 | 8 4 | 1 33 | |
| M26 | 2 5 | 14 41 | 1 47 | 9 22 | 3 28 | 12 53 | 0 1 | 1 41 | 0 49 | 1 57 | 0 57 | 21 53 | 1 22 | 22 21 | 0 26 | 20 53 | 1 35 | 13 10 | 15 10 | 21 14 | 21 24 | 22 43 | 8 5 | 1 33 | |
| T 27 | 2 28 | 9 39 | 2 48 | 9 12 | 3 31 | 12 33 | 0s 3 | 2 0 | 0 49 | 1 52 | 0 57 | 21 53 | 1 22 | 22 21 | 0 26 | 20 53 | 1 35 | 13 11 | 15 10 | 21 15 | 21 24 | 22 44 | 8 7 | 1 33 | |
| W28 | 2 52 | 4 18 | 3 40 | 8 58 | 3 32 | 12 12 | 0 6 | 2 19 | 0 49 | 1 46 | 0 57 | 21 53 | 1 22 | 22 21 | 0 26 | 20 53 | 1 36 | 13 11 | 15 10 | 21 16 | 21 25 | 22 45 | 8 8 | 1 33 | |
| T 29 | 3 15 | 1n 9 | 4 19 | 8 40 | 3 31 | 11 50 | 0 10 | 2 38 | 0 48 | 1 40 | 0 57 | 21 53 | 1 22 | 22 21 | 0 26 | 20 52 | 1 36 | 13 12 | 15 10 | 21 18 | 21 25 | 22 46 | 8 9 | 1 32 | |
| F 30 | 3 39 | 6 28 | 4 46 | 8 18 | 3 28 | 11 29 | 0 13 | 2 57 | 0 48 | 1 35 | 0 57 | 21 53 | 1 22 | 22 21 | 0 26 | 20 52 | 1 36 | 13 13 | 15 10 | 21 20 | 21 26 | 22 48 | 8 11 | 1 32 | |
| S 31 | 4n 2 | 11n28 | 4n59 | 7n53 | 3n23 | 11s 6 | 0s17 | 3n16 | 0s47 | 1s29 | 0s57 | 21s53 | 1n22 | 22n21 | 0n26 | 20s52 | 1n36 | 13n13 | 15n10 | 21s22 | 21s27 | 22n49 | 8n12 | 1n32 | |

Julian Day Number = 2801871.5, Delta T = 50m32s
Ecliptic obliquity = 23°18'58, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°09'59, Lahiri = 37°16'59


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# ASTRODIENST EPHEMERIS for the year 2959
# geocentric

## APRIL 2959 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 37 53 | 11♈14'36 | 29♈42 | 11°R12 | 2♓48 | 10♈54 | 28♓42 | 4♑24 | 19♋25 | 14°R48 | 1°R43 | 22°R44 | 22♑29 | 23♉34 | 17♈24 | S 1 |
| M 2 | 12 41 49 | 12°14'22 | 11♉42 | 10♈15 | 4° 0 | 11°41 | 28°56 | 4°26 | 19°26 | 14♐47 | 1♎42 | 22♑31 | 22°26 | 23°41 | 17°28 | M 2 |
| T 3 | 12 45 46 | 13°14'07 | 23°35 | 9°19 | 5°12 | 12°28 | 29°11 | 4°27 | 19°26 | 14°47 | 1°40 | 22°20 | 22°23 | 23°47 | 17°31 | T 3 |
| W 4 | 12 49 42 | 14°13'49 | 5♊25 | 8°25 | 6°24 | 13°15 | 29°25 | 4°28 | 19°26 | 14°46 | 1°39 | 22°12 | 22°20 | 23°54 | 17°35 | W 4 |
| T 5 | 12 53 39 | 15°13'29 | 17°14 | 7°32 | 7°35 | 14° 2 | 29°39 | 4°29 | 19°27 | 14°46 | 1°37 | 22° 7 | 22°17 | 24° 1 | 17°38 | T 5 |
| F 6 | 12 57 36 | 16°13'07 | 29° 7 | 6°43 | 8°47 | 14°49 | 29°53 | 4°29 | 19°27 | 14°45 | 1°35 | 22° 4 | 22°14 | 24° 7 | 17°42 | F 6 |
| S 7 | 13 1 32 | 17°12'43 | 11♋ 9 | 5°59 | 9°59 | 15°35 | 0♈ 8 | 4°30 | 19°28 | 14°44 | 1°34 | 22° 3 | 22°10 | 24°14 | 17°45 | S 7 |
| S 8 | 13 5 29 | 18°12'17 | 23°24 | 5°19 | 11°11 | 16°22 | 0°22 | 4°31 | 19°28 | 14°44 | 1°32 | 22° 3 | 22° 7 | 24°21 | 17°49 | S 8 |
| M 9 | 13 9 25 | 19°11'48 | 5♌59 | 4°44 | 12°23 | 17° 9 | 0°36 | 4°31 | 19°29 | 14°43 | 1°31 | 22° 3 | 22° 4 | 24°27 | 17°53 | M 9 |
| T 10 | 13 13 22 | 20°11'17 | 18°58 | 4°14 | 13°35 | 17°56 | 0°50 | 4°31 | 19°30 | 14°42 | 1°29 | 22° 1 | 22° 1 | 24°34 | 17°56 | T 10 |
| W11 | 13 17 18 | 21°10'44 | 2♍25 | 3°51 | 14°47 | 18°43 | 1° 4 | 4°32 | 19°30 | 14°41 | 1°28 | 21°57 | 21°58 | 24°41 | 18° 0 | W11 |
| T 12 | 13 21 15 | 22°10'09 | 16°22 | 3°33 | 15°59 | 19°29 | 1°18 | 4°32 | 19°31 | 14°41 | 1°26 | 21°50 | 21°54 | 24°48 | 18° 3 | T 12 |
| F 13 | 13 25 11 | 23° 9'31 | 0♎47 | 3°21 | 17°11 | 20°16 | 1°32 | 4°R32 | 19°32 | 14°40 | 1°25 | 21°40 | 21°51 | 24°54 | 18° 7 | F 13 |
| S 14 | 13 29 8 | 24° 8'51 | 15°36 | 3°16 | 18°23 | 21° 3 | 1°46 | 4°32 | 19°33 | 14°39 | 1°23 | 21°29 | 21°48 | 25° 1 | 18°10 | S 14 |
| S 15 | 13 33 4 | 25° 8'09 | 0♏40 | 3°D15 | 19°35 | 21°49 | 2° 0 | 4°32 | 19°34 | 14°38 | 1°22 | 21°18 | 21°45 | 25° 8 | 18°14 | S 15 |
| M16 | 13 37 1 | 26° 7'25 | 15°51 | 3°21 | 20°48 | 22°36 | 2°14 | 4°32 | 19°35 | 14°37 | 1°21 | 21° 7 | 21°42 | 25°14 | 18°17 | M16 |
| T 17 | 13 40 58 | 27° 6'40 | 0♐56 | 3°32 | 22° 0 | 23°22 | 2°28 | 4°31 | 19°36 | 14°36 | 1°19 | 20°59 | 21°39 | 25°21 | 18°21 | T 17 |
| W18 | 13 44 54 | 28° 5'53 | 15°47 | 3°48 | 23°12 | 24° 9 | 2°42 | 4°31 | 19°37 | 14°35 | 1°18 | 20°53 | 21°35 | 25°28 | 18°25 | W18 |
| T 19 | 13 48 51 | 29° 5'04 | 0♑18 | 4° 9 | 24°24 | 24°55 | 2°55 | 4°30 | 19°38 | 14°34 | 1°16 | 20°49 | 21°32 | 25°34 | 18°28 | T 19 |
| F 20 | 13 52 47 | 0♉ 4'13 | 14°25 | 4°34 | 25°37 | 25°42 | 3° 9 | 4°30 | 19°39 | 14°33 | 1°15 | 20°48 | 21°29 | 25°41 | 18°32 | F 20 |
| S 21 | 13 56 44 | 1° 3'20 | 28° 9 | 5° 4 | 26°49 | 26°28 | 3°23 | 4°29 | 19°41 | 14°32 | 1°14 | 20°48 | 21°26 | 25°48 | 18°35 | S 21 |
| S 22 | 14 0 40 | 2° 2'26 | 11♒31 | 5°39 | 28° 1 | 27°15 | 3°36 | 4°28 | 19°42 | 14°31 | 1°12 | 20°48 | 21°23 | 25°55 | 18°39 | S 22 |
| M23 | 14 4 37 | 3° 1'30 | 24°33 | 6°17 | 29°14 | 28° 1 | 3°50 | 4°27 | 19°43 | 14°30 | 1°11 | 20°46 | 21°20 | 26° 1 | 18°42 | M23 |
| T 24 | 14 8 33 | 4° 0'32 | 7♓18 | 6°59 | 0♈26 | 28°47 | 4° 3 | 4°26 | 19°45 | 14°29 | 1°10 | 20°42 | 21°16 | 26° 8 | 18°46 | T 24 |
| W25 | 14 12 30 | 4°59'33 | 19°50 | 7°45 | 1°39 | 29°33 | 4°17 | 4°25 | 19°46 | 14°28 | 1° 8 | 20°36 | 21°13 | 26°15 | 18°49 | W25 |
| T 26 | 14 16 27 | 5°58'31 | 2♈12 | 8°34 | 2°51 | 0♉20 | 4°30 | 4°24 | 19°48 | 14°26 | 1° 7 | 20°26 | 21°10 | 26°21 | 18°52 | T 26 |
| F 27 | 14 20 23 | 6°57'28 | 14°24 | 9°26 | 4° 4 | 1° 6 | 4°44 | 4°23 | 19°49 | 14°25 | 1° 6 | 20°14 | 21° 7 | 26°28 | 18°56 | F 27 |
| S 28 | 14 24 20 | 7°56'23 | 26°29 | 10°22 | 5°16 | 1°52 | 4°57 | 4°21 | 19°51 | 14°24 | 1° 5 | 20° 1 | 21° 4 | 26°35 | 18°59 | S 28 |
| S 29 | 14 28 16 | 8°55'17 | 8♉28 | 11°21 | 6°29 | 2°38 | 5°10 | 4°20 | 19°52 | 14°23 | 1° 3 | 19°48 | 21° 0 | 26°41 | 19° 3 | S 29 |
| M30 | 14 32 13 | 9♉54'08 | 20♉23 | 12♈22 | 7♈41 | 3♉24 | 5♈24 | 4♑18 | 19♋54 | 14♐22 | 1♎ 2 | 19♑35 | 20♑57 | 26♉48 | 19♈ 6 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n26 | 15n57 | 4n58 | 7n25 | 3n16 | 10s44 | 0s20 | 3n35 | 0s47 | 1s24 | 0s57 | 21s53 | 1n22 | 22n21 | 0n26 | 20s52 | 1n36 | 13n14 | 15n10 | 21s25 | 21s27 | 22n50 | 8n13 | 1n32 |
| M 2 | 4 49 | 19 46 | 4 44 | 6 55 | 3 8 | 10 21 | 0 24 | 3 53 | 0 46 | 1 18 | 0 57 | 21 52 | 1 22 | 22 21 | 0 26 | 20 52 | 1 36 | 13 15 | 15 10 | 21 27 | 21 28 | 22 51 | 8 14 | 1 32 |
| T 3 | 5 12 | 22 44 | 4 17 | 6 24 | 2 58 | 9 58 | 0 27 | 4 12 | 0 46 | 1 12 | 0 58 | 21 52 | 1 22 | 22 21 | 0 26 | 20 52 | 1 36 | 13 15 | 15 10 | 21 29 | 21 28 | 22 53 | 8 16 | 1 32 |
| W 4 | 5 35 | 24 42 | 3 40 | 5 52 | 2 46 | 9 35 | 0 30 | 4 31 | 0 45 | 1 7 | 0 58 | 21 52 | 1 22 | 22 21 | 0 26 | 20 52 | 1 36 | 13 16 | 15 10 | 21 30 | 21 29 | 22 54 | 8 17 | 1 32 |
| T 5 | 5 58 | 25 35 | 2 53 | 5 20 | 2 33 | 9 12 | 0 33 | 4 49 | 0 45 | 1 1 | 0 58 | 21 52 | 1 22 | 22 21 | 0 26 | 20 52 | 1 36 | 13 16 | 15 10 | 21 31 | 21 29 | 22 55 | 8 18 | 1 32 |
| F 6 | 6 21 | 25 17 | 1 58 | 4 48 | 2 20 | 8 48 | 0 36 | 5 8 | 0 44 | 0 56 | 0 58 | 21 52 | 1 22 | 22 21 | 0 26 | 20 52 | 1 36 | 13 17 | 15 10 | 21 31 | 21 30 | 22 56 | 8 20 | 1 32 |
| S 7 | 6 44 | 23 48 | 0 57 | 4 17 | 2 5 | 8 24 | 0 39 | 5 26 | 0 44 | 0 50 | 0 58 | 21 52 | 1 23 | 22 20 | 0 26 | 20 52 | 1 36 | 13 17 | 15 10 | 21 31 | 21 30 | 22 58 | 8 21 | 1 32 |
| S 8 | 7 6 | 21 11 | 0s 7 | 3 47 | 1 50 | 7 59 | 0 42 | 5 45 | 0 43 | 0 45 | 0 58 | 21 52 | 1 23 | 22 20 | 0 26 | 20 51 | 1 36 | 13 18 | 15 10 | 21 31 | 21 31 | 22 59 | 8 22 | 1 32 |
| M 9 | 7 29 | 17 30 | 1 13 | 3 19 | 1 34 | 7 35 | 0 45 | 6 3 | 0 43 | 0 39 | 0 58 | 21 52 | 1 23 | 22 20 | 0 26 | 20 51 | 1 36 | 13 18 | 15 10 | 21 31 | 21 31 | 23 0 | 8 23 | 1 32 |
| T 10 | 7 51 | 12 53 | 2 17 | 2 53 | 1 19 | 7 10 | 0 48 | 6 21 | 0 42 | 0 34 | 0 58 | 21 52 | 1 23 | 22 20 | 0 26 | 20 51 | 1 36 | 13 19 | 15 10 | 21 32 | 21 32 | 23 1 | 8 25 | 1 32 |
| W11 | 8 13 | 7 30 | 3 16 | 2 29 | 1 3 | 6 45 | 0 51 | 6 39 | 0 41 | 0 28 | 0 58 | 21 52 | 1 23 | 22 20 | 0 26 | 20 51 | 1 36 | 13 19 | 15 10 | 21 32 | 21 32 | 23 3 | 8 26 | 1 32 |
| T 12 | 8 35 | 1 35 | 4 5 | 2 7 | 0 47 | 6 20 | 0 54 | 6 57 | 0 41 | 0 23 | 0 58 | 21 52 | 1 23 | 22 20 | 0 26 | 20 51 | 1 36 | 13 20 | 15 10 | 21 33 | 21 33 | 23 4 | 8 27 | 1 31 |
| F 13 | 8 57 | 4s36 | 4 41 | 1 49 | 0 31 | 5 54 | 0 57 | 7 15 | 0 40 | 0 17 | 0 58 | 21 51 | 1 23 | 22 20 | 0 26 | 20 51 | 1 36 | 13 20 | 15 10 | 21 35 | 21 33 | 23 5 | 8 29 | 1 31 |
| S 14 | 9 19 | 10 42 | 4 59 | 1 32 | 0 16 | 5 29 | 0 59 | 7 33 | 0 40 | 0 12 | 0 58 | 21 51 | 1 23 | 22 20 | 0 26 | 20 51 | 1 36 | 13 21 | 15 10 | 21 37 | 21 34 | 23 6 | 8 30 | 1 31 |
| S 15 | 9 41 | 16 16 | 4 56 | 1 19 | 0 2 | 5 3 | 1 2 | 7 51 | 0 39 | 0 6 | 0 59 | 21 51 | 1 23 | 22 19 | 0 26 | 20 50 | 1 36 | 13 21 | 15 9 | 21 38 | 21 34 | 23 7 | 8 31 | 1 31 |
| M16 | 10 2 | 20 51 | 4 33 | 1 8 | 0s13 | 4 37 | 1 4 | 8 9 | 0 39 | 0 1 | 0 59 | 21 51 | 1 23 | 22 19 | 0 26 | 20 50 | 1 36 | 13 22 | 15 9 | 21 40 | 21 35 | 23 8 | 8 33 | 1 31 |
| T 17 | 10 23 | 24 0 | 3 51 | 0 59 | 0 26 | 4 11 | 1 7 | 8 27 | 0 38 | 0n 4 | 0 59 | 21 51 | 1 23 | 22 19 | 0 26 | 20 50 | 1 36 | 13 22 | 15 9 | 21 41 | 21 35 | 23 10 | 8 34 | 1 31 |
| W18 | 10 45 | 25 26 | 2 54 | 0 54 | 0 40 | 3 44 | 1 9 | 8 44 | 0 38 | 0 10 | 0 59 | 21 51 | 1 23 | 22 19 | 0 26 | 20 50 | 1 36 | 13 23 | 15 9 | 21 42 | 21 36 | 23 11 | 8 35 | 1 31 |
| T 19 | 11 6 | 25 5 | 1 46 | 0 50 | 0 52 | 3 18 | 1 11 | 9 2 | 0 37 | 0 15 | 0 59 | 21 51 | 1 23 | 22 19 | 0 26 | 20 50 | 1 36 | 13 23 | 15 9 | 21 43 | 21 36 | 23 12 | 8 36 | 1 31 |
| F 20 | 11 26 | 23 6 | 0 34 | 0 49 | 1 4 | 2 51 | 1 13 | 9 19 | 0 37 | 0 20 | 0 59 | 21 51 | 1 23 | 22 19 | 0 26 | 20 50 | 1 36 | 13 23 | 15 9 | 21 43 | 21 37 | 23 13 | 8 38 | 1 31 |
| S 21 | 11 47 | 19 47 | 0n39 | 0 51 | 1 15 | 2 25 | 1 15 | 9 36 | 0 36 | 0 26 | 0 59 | 21 51 | 1 23 | 22 18 | 0 26 | 20 50 | 1 37 | 13 24 | 15 8 | 21 43 | 21 37 | 23 14 | 8 39 | 1 31 |
| S 22 | 12 7 | 15 31 | 1 47 | 0 55 | 1 26 | 1 58 | 1 17 | 9 53 | 0 35 | 0 31 | 0 59 | 21 51 | 1 24 | 22 18 | 0 26 | 20 49 | 1 37 | 13 24 | 15 8 | 21 43 | 21 38 | 23 15 | 8 40 | 1 31 |
| M23 | 12 27 | 10 37 | 2 48 | 1 1 | 1 36 | 1 31 | 1 19 | 10 10 | 0 35 | 0 36 | 0 59 | 21 51 | 1 24 | 22 18 | 0 26 | 20 49 | 1 37 | 13 24 | 15 8 | 21 43 | 21 38 | 23 16 | 8 42 | 1 31 |
| T 24 | 12 47 | 5 23 | 3 40 | 1 9 | 1 45 | 1 4 | 1 21 | 10 27 | 0 34 | 0 42 | 1 0 | 21 51 | 1 24 | 22 18 | 0 26 | 20 49 | 1 37 | 13 25 | 15 8 | 21 44 | 21 39 | 23 18 | 8 43 | 1 31 |
| W25 | 13 7 | 0 1 | 4 19 | 1 19 | 1 54 | 0 37 | 1 23 | 10 44 | 0 34 | 0 47 | 1 0 | 21 51 | 1 24 | 22 18 | 0 26 | 20 49 | 1 37 | 13 25 | 15 8 | 21 45 | 21 39 | 23 19 | 8 44 | 1 31 |
| T 26 | 13 27 | 5n15 | 4 46 | 1 30 | 2 2 | 0 10 | 1 25 | 11 1 | 0 33 | 0 52 | 1 0 | 21 51 | 1 24 | 22 17 | 0 26 | 20 49 | 1 37 | 13 25 | 15 7 | 21 46 | 21 40 | 23 20 | 8 45 | 1 31 |
| F 27 | 13 46 | 10 15 | 4 59 | 1 44 | 2 10 | 0n17 | 1 26 | 11 17 | 0 32 | 0 57 | 1 0 | 21 51 | 1 24 | 22 17 | 0 26 | 20 49 | 1 37 | 13 26 | 15 7 | 21 48 | 21 40 | 23 21 | 8 47 | 1 31 |
| S 28 | 14 5 | 14 49 | 4 59 | 1 59 | 2 16 | 0 44 | 1 28 | 11 34 | 0 32 | 1 2 | 1 0 | 21 51 | 1 24 | 22 17 | 0 26 | 20 48 | 1 37 | 13 26 | 15 7 | 21 50 | 21 41 | 23 22 | 8 48 | 1 31 |
| S 29 | 14 24 | 18 45 | 4 45 | 2 17 | 2 23 | 1 11 | 1 29 | 11 50 | 0 31 | 1 7 | 1 0 | 21 51 | 1 24 | 22 17 | 0 26 | 20 48 | 1 37 | 13 26 | 15 7 | 21 52 | 21 41 | 23 23 | 8 49 | 1 31 |
| M30 | 14n43 | 21n55 | 4n19 | 2n35 | 2s28 | 1n39 | 1s31 | 12n 6 | 0s31 | 1n13 | 1s 0 | 21s51 | 1n24 | 22n16 | 0n26 | 20s48 | 1n37 | 13n26 | 15n 7 | 21s54 | 21s42 | 23n24 | 8n50 | 1n31 |

Julian Day Number = 2801902.5, Delta T = 50m32s
Ecliptic obliquity = 23°18'58, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°10'03, Lahiri = 37°17'04


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# ASTRODIENST EPHEMERIS for the year 2959
# geocentric

## MAY 2959 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 36 9 | 10♉52'57 | 2♊13 | 13♈26 | 8♈54 | 4♉10 | 5♈37 | 4°R16 | 19♋56 | 14°R20 | 1°R 1 | 19°R25 | 20♑54 | 26♉55 | 19♈10 | T 1 |
| W 2 | 14 40 6 | 11°51'44 | 14° 2 | 14°32 | 10° 6 | 4°56 | 5°50 | 4♑15 | 19°57 | 14♗19 | 1♎ 0 | 19♑17 | 20°51 | 27° 1 | 19°13 | W 2 |
| T 3 | 14 44 2 | 12°50'30 | 25°52 | 15°41 | 11°19 | 5°42 | 6° 3 | 4°13 | 19°59 | 14°18 | 0°59 | 19°11 | 20°48 | 27° 8 | 19°16 | T 3 |
| F 4 | 14 47 59 | 13°49'13 | 7♋46 | 16°53 | 12°31 | 6°28 | 6°16 | 4°11 | 20° 1 | 14°16 | 0°58 | 19° 9 | 20°45 | 27°15 | 19°20 | F 4 |
| S 5 | 14 51 56 | 14°47'54 | 19°48 | 18° 7 | 13°44 | 7°14 | 6°29 | 4° 9 | 20° 3 | 14°15 | 0°57 | 19°D 8 | 20°41 | 27°22 | 19°23 | S 5 |
| S 6 | 14 55 52 | 15°46'33 | 2♌ 2 | 19°22 | 14°57 | 7°59 | 6°42 | 4° 7 | 20° 5 | 14°14 | 0°56 | 19° 9 | 20°38 | 27°28 | 19°26 | S 6 |
| M 7 | 14 59 49 | 16°45'09 | 14°34 | 20°40 | 16° 9 | 8°45 | 6°54 | 4° 4 | 20° 7 | 14°12 | 0°55 | 19°R 9 | 20°35 | 27°35 | 19°29 | M 7 |
| T 8 | 15 3 45 | 17°43'44 | 27°29 | 22° 1 | 17°22 | 9°31 | 7° 7 | 4° 2 | 20° 9 | 14°11 | 0°54 | 19° 9 | 20°32 | 27°42 | 19°33 | T 8 |
| W 9 | 15 7 42 | 18°42'16 | 10♍50 | 23°23 | 18°35 | 10°17 | 7°20 | 4° 0 | 20°11 | 14° 9 | 0°53 | 19° 6 | 20°29 | 27°48 | 19°36 | W 9 |
| T 10 | 15 11 38 | 19°40'46 | 24°41 | 24°47 | 19°47 | 11° 2 | 7°32 | 3°57 | 20°13 | 14° 8 | 0°52 | 19° 2 | 20°25 | 27°55 | 19°39 | T 10 |
| F 11 | 15 15 35 | 20°39'14 | 9♎ 1 | 26°13 | 21° 0 | 11°48 | 7°45 | 3°55 | 20°15 | 14° 7 | 0°51 | 18°56 | 20°22 | 28° 2 | 19°42 | F 11 |
| S 12 | 15 19 31 | 21°37'40 | 23°47 | 27°41 | 22°13 | 12°33 | 7°57 | 3°52 | 20°18 | 14° 5 | 0°50 | 18°48 | 20°19 | 28° 8 | 19°45 | S 12 |
| S 13 | 15 23 28 | 22°36'04 | 8♏54 | 29°11 | 23°25 | 13°19 | 8° 9 | 3°49 | 20°20 | 14° 4 | 0°49 | 18°39 | 20°16 | 28°15 | 19°49 | S 13 |
| M14 | 15 27 25 | 23°34'26 | 24°11 | 0♑43 | 24°38 | 14° 4 | 8°22 | 3°47 | 20°22 | 14° 2 | 0°48 | 18°31 | 20°13 | 28°22 | 19°52 | M14 |
| T 15 | 15 31 21 | 24°32'47 | 9♐28 | 2°17 | 25°51 | 14°49 | 8°34 | 3°44 | 20°25 | 14° 1 | 0°47 | 18°24 | 20°10 | 28°29 | 19°55 | T 15 |
| W16 | 15 35 18 | 25°31'06 | 24°34 | 3°52 | 27° 3 | 15°35 | 8°46 | 3°41 | 20°27 | 13°59 | 0°47 | 18°20 | 20° 6 | 28°35 | 19°58 | W16 |
| T 17 | 15 39 14 | 26°29'23 | 9♑20 | 5°30 | 28°16 | 16°20 | 8°58 | 3°38 | 20°29 | 13°58 | 0°46 | 18°18 | 20° 3 | 28°42 | 20° 1 | T 17 |
| F 18 | 15 43 11 | 27°27'39 | 23°41 | 7° 9 | 29°29 | 17° 5 | 9°10 | 3°35 | 20°32 | 13°56 | 0°45 | 18°D18 | 20° 0 | 28°49 | 20° 4 | F 18 |
| S 19 | 15 47 7 | 28°25'53 | 7♒36 | 8°50 | 0♑42 | 17°50 | 9°22 | 3°31 | 20°34 | 13°55 | 0°44 | 18°19 | 19°57 | 28°55 | 20° 7 | S 19 |
| S 20 | 15 51 4 | 29°24'06 | 21° 3 | 10°34 | 1°54 | 18°35 | 9°34 | 3°28 | 20°37 | 13°53 | 0°44 | 18°20 | 19°54 | 29° 2 | 20°10 | S 20 |
| M21 | 15 55 1 | 0♊22'17 | 4♓ 7 | 12°18 | 3° 7 | 19°20 | 9°45 | 3°25 | 20°39 | 13°51 | 0°43 | 18°R20 | 19°51 | 29° 9 | 20°13 | M21 |
| T 22 | 15 58 57 | 1°20'27 | 16°51 | 14° 5 | 4°20 | 20° 5 | 9°57 | 3°22 | 20°42 | 13°50 | 0°43 | 18°19 | 19°47 | 29°15 | 20°15 | T 22 |
| W23 | 16 2 54 | 2°18'35 | 29°18 | 15°54 | 5°33 | 20°50 | 10° 9 | 3°18 | 20°45 | 13°48 | 0°42 | 18°15 | 19°44 | 29°22 | 20°18 | W23 |
| T 24 | 16 6 50 | 3°16'42 | 11♈31 | 17°45 | 6°46 | 21°35 | 10°20 | 3°15 | 20°47 | 13°47 | 0°41 | 18°10 | 19°41 | 29°29 | 20°21 | T 24 |
| F 25 | 16 10 47 | 4°14'48 | 23°35 | 19°37 | 7°58 | 22°20 | 10°31 | 3°11 | 20°50 | 13°45 | 0°41 | 18° 3 | 19°38 | 29°35 | 20°24 | F 25 |
| S 26 | 16 14 43 | 5°12'52 | 5♉32 | 21°31 | 9°11 | 23° 5 | 10°43 | 3° 7 | 20°53 | 13°44 | 0°40 | 17°56 | 19°35 | 29°42 | 20°27 | S 26 |
| S 27 | 16 18 40 | 6°10'55 | 17°25 | 23°27 | 10°24 | 23°50 | 10°54 | 3° 4 | 20°56 | 13°42 | 0°40 | 17°48 | 19°31 | 29°49 | 20°29 | S 27 |
| M28 | 16 22 36 | 7° 8'57 | 29°15 | 25°25 | 11°37 | 24°35 | 11° 5 | 3° 0 | 20°58 | 13°40 | 0°39 | 17°40 | 19°28 | 29°56 | 20°32 | M28 |
| T 29 | 16 26 33 | 8° 6'57 | 11♊ 5 | 27°25 | 12°50 | 25°19 | 11°16 | 2°56 | 21° 1 | 13°39 | 0°39 | 17°34 | 19°25 | 0♊ 2 | 20°35 | T 29 |
| W30 | 16 30 30 | 9° 4'55 | 22°56 | 29°27 | 14° 3 | 26° 4 | 11°27 | 2°52 | 21° 4 | 13°37 | 0°39 | 17°29 | 19°22 | 0° 9 | 20°37 | W30 |
| T 31 | 16 34 26 | 10♊ 2'52 | 4♋50 | 1♊30 | 15♉16 | 26♉48 | 11♈37 | 2♑49 | 21♋ 7 | 13♗35 | 0♎38 | 17♑27 | 19♑19 | 0♊16 | 20♈40 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | | ☊ | | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | | decl | | decl | | decl | lat |
| T 1 | 15n 1 | 24n 7 | 3n42 | 2n55 | 2s33 | 2n 6 | 1s32 | 12n22 | 0s30 | 1n18 | 1s 0 | 21s51 | 1n24 | 22n16 | 0n26 | 20s48 | 1n37 | 13n27 | 15n 6 | 21s55 | 21s42 | 23n25 | | 8n52 | 1n30 |
| W 2 | 15 19 | 25 16 | 2 55 | 3 17 | 2 37 | 2 33 | 1 33 | 12 38 | 0 29 | 1 23 | 1 1 | 21 51 | 1 24 | 22 16 | 0 26 | 20 48 | 1 37 | 13 27 | 15 6 | 21 56 | 21 43 | 23 26 | | 8 53 | 1 30 |
| T 3 | 15 37 | 25 16 | 2 1 | 3 40 | 2 41 | 3 0 | 1 34 | 12 54 | 0 29 | 1 28 | 1 1 | 21 51 | 1 24 | 22 16 | 0 26 | 20 48 | 1 37 | 13 27 | 15 6 | 21 57 | 21 43 | 23 27 | | 8 54 | 1 30 |
| F 4 | 15 54 | 24 6 | 1 0 | 4 4 | 2 44 | 3 27 | 1 36 | 13 10 | 0 28 | 1 33 | 1 1 | 21 51 | 1 24 | 22 15 | 0 26 | 20 47 | 1 37 | 13 27 | 15 6 | 21 57 | 21 43 | 23 28 | | 8 55 | 1 30 |
| S 5 | 16 12 | 21 48 | 0s 4 | 4 30 | 2 46 | 3 54 | 1 37 | 13 25 | 0 28 | 1 38 | 1 1 | 21 51 | 1 24 | 22 15 | 0 26 | 20 47 | 1 37 | 13 27 | 15 5 | 21 57 | 21 44 | 23 29 | | 8 56 | 1 30 |
| S 6 | 16 29 | 18 30 | 1 8 | 4 57 | 2 48 | 4 21 | 1 37 | 13 40 | 0 27 | 1 42 | 1 1 | 21 51 | 1 24 | 22 15 | 0 26 | 20 47 | 1 37 | 13 28 | 15 5 | 21 57 | 21 44 | 23 30 | | 8 58 | 1 30 |
| M 7 | 16 45 | 14 17 | 2 12 | 5 25 | 2 50 | 4 48 | 1 38 | 13 56 | 0 26 | 1 47 | 1 1 | 21 51 | 1 24 | 22 14 | 0 26 | 20 47 | 1 37 | 13 28 | 15 5 | 21 57 | 21 45 | 23 31 | | 8 59 | 1 30 |
| T 8 | 17 2 | 9 18 | 3 10 | 5 53 | 2 50 | 5 15 | 1 39 | 14 11 | 0 26 | 1 52 | 1 1 | 21 51 | 1 24 | 22 14 | 0 26 | 20 47 | 1 37 | 13 28 | 15 4 | 21 57 | 21 45 | 23 32 | | 9 0 | 1 30 |
| W 9 | 17 18 | 3 45 | 4 0 | 6 23 | 2 51 | 5 42 | 1 40 | 14 26 | 0 25 | 1 57 | 1 1 | 21 51 | 1 24 | 22 14 | 0 26 | 20 46 | 1 37 | 13 28 | 15 4 | 21 58 | 21 46 | 23 33 | | 9 1 | 1 30 |
| T 10 | 17 34 | 2s 9 | 4 38 | 6 54 | 2 50 | 6 9 | 1 40 | 14 40 | 0 25 | 2 2 | 1 2 | 21 51 | 1 24 | 22 13 | 0 26 | 20 46 | 1 37 | 13 28 | 15 4 | 21 58 | 21 46 | 23 34 | | 9 2 | 1 30 |
| F 11 | 17 49 | 8 10 | 5 1 | 7 26 | 2 49 | 6 36 | 1 41 | 14 55 | 0 24 | 2 7 | 1 2 | 21 51 | 1 24 | 22 13 | 0 26 | 20 46 | 1 37 | 13 28 | 15 4 | 21 59 | 21 47 | 23 35 | | 9 4 | 1 30 |
| S 12 | 18 5 | 13 54 | 5 4 | 7 59 | 2 48 | 7 2 | 1 41 | 15 9 | 0 23 | 2 11 | 1 2 | 21 51 | 1 24 | 22 13 | 0 26 | 20 46 | 1 37 | 13 28 | 15 3 | 22 0 | 21 47 | 23 36 | | 9 5 | 1 30 |
| S 13 | 18 20 | 18 55 | 4 46 | 8 32 | 2 46 | 7 28 | 1 42 | 15 24 | 0 23 | 2 16 | 1 2 | 21 51 | 1 25 | 22 12 | 0 25 | 20 46 | 1 37 | 13 28 | 15 3 | 22 2 | 21 48 | 23 37 | | 9 6 | 1 30 |
| M14 | 18 34 | 22 44 | 4 9 | 9 7 | 2 43 | 7 55 | 1 42 | 15 38 | 0 22 | 2 21 | 1 2 | 21 51 | 1 25 | 22 12 | 0 25 | 20 46 | 1 37 | 13 28 | 15 3 | 22 3 | 21 48 | 23 38 | | 9 7 | 1 30 |
| T 15 | 18 49 | 24 56 | 3 13 | 9 42 | 2 40 | 8 21 | 1 42 | 15 52 | 0 21 | 2 25 | 1 2 | 21 51 | 1 25 | 22 12 | 0 25 | 20 45 | 1 37 | 13 28 | 15 2 | 22 3 | 21 49 | 23 39 | | 9 8 | 1 30 |
| W16 | 19 3 | 25 16 | 2 4 | 10 17 | 2 37 | 8 47 | 1 42 | 16 5 | 0 21 | 2 30 | 1 3 | 21 51 | 1 25 | 22 11 | 0 25 | 20 45 | 1 37 | 13 28 | 15 2 | 22 4 | 21 49 | 23 40 | | 9 9 | 1 30 |
| T 17 | 19 16 | 23 47 | 0 48 | 10 53 | 2 32 | 9 12 | 1 42 | 16 19 | 0 20 | 2 35 | 1 3 | 21 51 | 1 25 | 22 11 | 0 25 | 20 45 | 1 37 | 13 28 | 15 2 | 22 4 | 21 50 | 23 41 | | 9 10 | 1 30 |
| F 18 | 19 29 | 20 46 | 0n29 | 11 30 | 2 28 | 9 38 | 1 42 | 16 32 | 0 19 | 2 39 | 1 3 | 21 51 | 1 25 | 22 11 | 0 25 | 20 45 | 1 37 | 13 28 | 15 1 | 22 4 | 21 50 | 23 42 | | 9 12 | 1 30 |
| S 19 | 19 42 | 16 38 | 1 42 | 12 7 | 2 23 | 10 3 | 1 42 | 16 46 | 0 19 | 2 44 | 1 3 | 21 52 | 1 25 | 22 10 | 0 25 | 20 45 | 1 37 | 13 28 | 15 1 | 22 4 | 21 51 | 23 43 | | 9 13 | 1 30 |
| S 20 | 19 55 | 11 46 | 2 47 | 12 45 | 2 17 | 10 29 | 1 42 | 16 59 | 0 18 | 2 48 | 1 3 | 21 52 | 1 25 | 22 10 | 0 25 | 20 44 | 1 37 | 13 28 | 15 1 | 22 4 | 21 51 | 23 44 | | 9 14 | 1 30 |
| M21 | 20 7 | 6 30 | 3 41 | 13 22 | 2 11 | 10 54 | 1 42 | 17 12 | 0 17 | 2 52 | 1 3 | 21 52 | 1 25 | 22 9 | 0 25 | 20 44 | 1 37 | 13 28 | 15 0 | 22 4 | 21 51 | 23 45 | | 9 15 | 1 30 |
| T 22 | 20 19 | 1 7 | 4 23 | 14 0 | 2 4 | 11 18 | 1 42 | 17 24 | 0 17 | 2 57 | 1 4 | 21 52 | 1 25 | 22 9 | 0 25 | 20 44 | 1 37 | 13 28 | 15 0 | 22 4 | 21 52 | 23 46 | | 9 16 | 1 30 |
| W23 | 20 31 | 4n11 | 4 52 | 14 39 | 1 57 | 11 43 | 1 41 | 17 37 | 0 16 | 3 1 | 1 4 | 21 52 | 1 25 | 22 9 | 0 25 | 20 44 | 1 37 | 13 28 | 14 59 | 22 5 | 21 52 | 23 47 | | 9 17 | 1 30 |
| T 24 | 20 42 | 9 14 | 5 6 | 15 17 | 1 49 | 12 7 | 1 41 | 17 49 | 0 15 | 3 5 | 1 4 | 21 52 | 1 25 | 22 8 | 0 25 | 20 44 | 1 37 | 13 28 | 14 59 | 22 5 | 21 53 | 23 48 | | 9 18 | 1 30 |
| F 25 | 20 53 | 13 52 | 5 7 | 15 55 | 1 41 | 12 31 | 1 40 | 18 1 | 0 15 | 3 10 | 1 4 | 21 52 | 1 25 | 22 8 | 0 25 | 20 43 | 1 37 | 13 28 | 14 59 | 22 6 | 21 53 | 23 49 | | 9 19 | 1 30 |
| S 26 | 21 4 | 17 55 | 4 54 | 16 33 | 1 33 | 12 55 | 1 40 | 18 13 | 0 14 | 3 14 | 1 4 | 21 52 | 1 25 | 22 7 | 0 25 | 20 43 | 1 37 | 13 28 | 14 58 | 22 7 | 21 54 | 23 50 | | 9 20 | 1 30 |
| S 27 | 21 14 | 21 14 | 4 29 | 17 11 | 1 24 | 13 18 | 1 39 | 18 25 | 0 14 | 3 18 | 1 4 | 21 52 | 1 25 | 22 7 | 0 25 | 20 43 | 1 37 | 13 28 | 14 58 | 22 8 | 21 54 | 23 51 | | 9 21 | 1 30 |
| M28 | 21 23 | 23 39 | 3 52 | 17 48 | 1 15 | 13 41 | 1 38 | 18 36 | 0 13 | 3 22 | 1 5 | 21 52 | 1 25 | 22 6 | 0 25 | 20 43 | 1 37 | 13 27 | 14 58 | 22 9 | 21 55 | 23 52 | | 9 22 | 1 30 |
| T 29 | 21 33 | 25 2 | 3 5 | 18 25 | 1 6 | 14 4 | 1 37 | 18 48 | 0 12 | 3 26 | 1 5 | 21 52 | 1 25 | 22 6 | 0 25 | 20 43 | 1 37 | 13 27 | 14 57 | 22 10 | 21 55 | 23 52 | | 9 23 | 1 30 |
| W30 | 21 42 | 25 17 | 2 9 | 19 1 | 0 56 | 14 26 | 1 36 | 18 59 | 0 12 | 3 30 | 1 5 | 21 52 | 1 25 | 22 6 | 0 25 | 20 42 | 1 37 | 13 27 | 14 57 | 22 11 | 21 56 | 23 53 | | 9 24 | 1 30 |
| T 31 | 21n50 | 24n22 | 1n 8 | 19n36 | 0s46 | 14n48 | 1s35 | 19n10 | 0s11 | 3n34 | 1s 5 | 21s52 | 1n25 | 22n 5 | 0n25 | 20s42 | 1n37 | 13n27 | 14n57 | 22s11 | 21s56 | 23n54 | | 9n25 | 1n30 |

Julian Day Number = 2801932.5, Delta T = 50m33s
Ecliptic obliquity = 23°18'57, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°10'07, Lahiri = 37°17'08


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# ASTRODIENST EPHEMERIS for the year 2959
# geocentric

## JUNE 2959 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 38 23 | 11♊ 0'47 | 16♋50 | 3♊35 | 16♉29 | 27♉33 | 11♈48 | 2°R45 | 21♋10 | 13°R34 | 0°R38 | 17°D26 | 19♑16 | 0♊22 | 20♈43 | F 1 |
| S 2 | 16 42 19 | 11°58'41 | 28°58 | 5°41 | 17°41 | 28°17 | 11°58 | 2♑41 | 21°13 | 13♐32 | 0♎38 | 17♑26 | 19°12 | 0°29 | 20°45 | S 2 |
| S 3 | 16 46 16 | 12°56'33 | 11♌18 | 7°49 | 18°54 | 29° 2 | 12° 9 | 2°37 | 21°16 | 13°31 | 0°37 | 17°28 | 19° 9 | 0°36 | 20°48 | S 3 |
| M 4 | 16 50 12 | 13°54'23 | 23°54 | 9°58 | 20° 7 | 29°46 | 12°19 | 2°32 | 21°19 | 13°29 | 0°37 | 17°29 | 19° 6 | 0°42 | 20°50 | M 4 |
| T 5 | 16 54 9 | 14°52'12 | 6♍49 | 12° 8 | 21°20 | 0♊30 | 12°29 | 2°28 | 21°22 | 13°27 | 0°37 | 17°31 | 19° 3 | 0°49 | 20°52 | T 5 |
| W 6 | 16 58 5 | 15°49'59 | 20° 6 | 14°19 | 22°33 | 1°15 | 12°40 | 2°24 | 21°25 | 13°26 | 0°37 | 17°R31 | 19° 0 | 0°56 | 20°55 | W 6 |
| T 7 | 17 2 2 | 16°47'45 | 3♎49 | 16°30 | 23°46 | 1°59 | 12°50 | 2°20 | 21°28 | 13°24 | 0°37 | 17°30 | 18°57 | 1° 2 | 20°57 | T 7 |
| F 8 | 17 5 59 | 17°45'28 | 17°58 | 18°42 | 24°59 | 2°43 | 12°59 | 2°16 | 21°31 | 13°22 | 0°37 | 17°27 | 18°53 | 1° 9 | 20°59 | F 8 |
| S 9 | 17 9 55 | 18°43'11 | 2♏31 | 20°54 | 26°12 | 3°27 | 13° 9 | 2°12 | 21°34 | 13°21 | 0°36 | 17°24 | 18°50 | 1°16 | 21° 2 | S 9 |
| S 10 | 17 13 52 | 19°40'52 | 17°25 | 23° 6 | 27°25 | 4°11 | 13°19 | 2° 7 | 21°37 | 13°19 | 0°36 | 17°20 | 18°47 | 1°22 | 21° 4 | S 10 |
| M11 | 17 17 48 | 20°38'31 | 2♐32 | 25°17 | 28°38 | 4°55 | 13°28 | 2° 3 | 21°41 | 13°18 | 0°D36 | 17°17 | 18°44 | 1°29 | 21° 6 | M11 |
| T 12 | 17 21 45 | 21°36'09 | 17°43 | 27°28 | 29°51 | 5°39 | 13°38 | 1°59 | 21°44 | 13°16 | 0°36 | 17°14 | 18°41 | 1°36 | 21° 8 | T 12 |
| W13 | 17 25 41 | 22°33'46 | 2♑49 | 29°37 | 1♊ 4 | 6°23 | 13°47 | 1°54 | 21°47 | 13°14 | 0°36 | 17°12 | 18°37 | 1°43 | 21°10 | W13 |
| T 14 | 17 29 38 | 23°31'22 | 17°40 | 1♋45 | 2°17 | 7° 7 | 13°56 | 1°50 | 21°50 | 13°13 | 0°37 | 17°D11 | 18°34 | 1°49 | 21°12 | T 14 |
| F 15 | 17 33 34 | 24°28'57 | 2♒ 9 | 3°52 | 3°30 | 7°50 | 14° 5 | 1°46 | 21°54 | 13°11 | 0°37 | 17°12 | 18°31 | 1°56 | 21°14 | F 15 |
| S 16 | 17 37 31 | 25°26'31 | 16°12 | 5°57 | 4°43 | 8°34 | 14°14 | 1°41 | 21°57 | 13°10 | 0°37 | 17°13 | 18°28 | 2° 3 | 21°16 | S 16 |
| S 17 | 17 41 28 | 26°24'04 | 29°49 | 8° 0 | 5°56 | 9°18 | 14°23 | 1°37 | 22° 0 | 13° 8 | 0°37 | 17°15 | 18°25 | 2° 9 | 21°18 | S 17 |
| M18 | 17 45 24 | 27°21'37 | 13♓ 0 | 10° 2 | 7° 9 | 10° 1 | 14°32 | 1°32 | 22° 4 | 13° 7 | 0°37 | 17°16 | 18°22 | 2°16 | 21°20 | M18 |
| T 19 | 17 49 21 | 28°19'08 | 25°47 | 12° 1 | 8°22 | 10°45 | 14°40 | 1°28 | 22° 7 | 13° 5 | 0°37 | 17°R16 | 18°18 | 2°23 | 21°22 | T 19 |
| W20 | 17 53 17 | 29°16'39 | 8♈15 | 13°57 | 9°35 | 11°28 | 14°49 | 1°23 | 22°10 | 13° 3 | 0°38 | 17°16 | 18°15 | 2°29 | 21°23 | W20 |
| T 21 | 17 57 14 | 0♋14'09 | 20°27 | 15°52 | 10°48 | 12°12 | 14°57 | 1°19 | 22°14 | 13° 2 | 0°38 | 17°15 | 18°12 | 2°36 | 21°25 | T 21 |
| F 22 | 18 1 10 | 1°11'38 | 2♉28 | 17°44 | 12° 1 | 12°55 | 15° 5 | 1°14 | 22°17 | 13° 0 | 0°38 | 17°13 | 18° 9 | 2°43 | 21°27 | F 22 |
| S 23 | 18 5 7 | 2° 9'07 | 14°22 | 19°33 | 13°14 | 13°38 | 15°13 | 1°10 | 22°21 | 12°59 | 0°39 | 17°11 | 18° 6 | 2°49 | 21°29 | S 23 |
| S 24 | 18 9 3 | 3° 6'35 | 26°12 | 21°20 | 14°27 | 14°22 | 15°21 | 1° 6 | 22°24 | 12°57 | 0°39 | 17° 9 | 18° 3 | 2°56 | 21°30 | S 24 |
| M25 | 18 13 0 | 4° 4'03 | 8♊ 1 | 23° 4 | 15°40 | 15° 5 | 15°28 | 1° 1 | 22°28 | 12°56 | 0°40 | 17° 7 | 17°59 | 3° 3 | 21°32 | M25 |
| T 26 | 18 16 57 | 5° 1'29 | 19°53 | 24°46 | 16°53 | 15°48 | 15°36 | 0°57 | 22°31 | 12°54 | 0°40 | 17° 5 | 17°56 | 3° 9 | 21°33 | T 26 |
| W27 | 18 20 53 | 5°58'56 | 1♋49 | 26°25 | 18° 7 | 16°31 | 15°43 | 0°52 | 22°35 | 12°53 | 0°41 | 17° 4 | 17°53 | 3°16 | 21°35 | W27 |
| T 28 | 18 24 50 | 6°56'21 | 13°52 | 28° 2 | 19°20 | 17°14 | 15°51 | 0°48 | 22°38 | 12°51 | 0°41 | 17°D 4 | 17°50 | 3°23 | 21°36 | T 28 |
| F 29 | 18 28 46 | 7°53'45 | 26° 3 | 29°36 | 20°33 | 17°57 | 15°58 | 0°43 | 22°42 | 12°50 | 0°42 | 17° 4 | 17°47 | 3°30 | 21°37 | F 29 |
| S 30 | 18 32 43 | 8♋51'09 | 8♌24 | 1♌ 7 | 21♊46 | 18♊40 | 16♈ 5 | 0♑39 | 22♋45 | 12♐49 | 0♎42 | 17♑ 5 | 17♑43 | 3♊36 | 21♈39 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 21n59 | 22n19 | 0n 3 | 20n11 | 0s36 | 15n10 | 1s34 | 19n21 | 0s10 | 3n38 | 1s 5 | 21s53 | 1n25 | 22n 5 | 0n25 | 20s42 | 1n37 | 13n27 | 14n56 | 22s11 | 21s56 | 23n55 | 9n26 | 1n30 |
| S 2 | 22 7 | 19 14 | 1s 3 | 20 44 | 0 25 | 15 31 | 1 33 | 19 31 | 0 10 | 3 42 | 1 6 | 21 53 | 1 25 | 22 4 | 0 25 | 20 42 | 1 37 | 13 26 | 14 56 | 22 11 | 21 57 | 23 56 | 9 27 | 1 30 |
| S 3 | 22 14 | 15 16 | 2 7 | 21 15 | 0 15 | 15 53 | 1 32 | 19 42 | 0 9 | 3 46 | 1 6 | 21 53 | 1 25 | 22 4 | 0 25 | 20 42 | 1 37 | 13 26 | 14 55 | 22 11 | 21 57 | 23 57 | 9 28 | 1 30 |
| M 4 | 22 21 | 10 33 | 3 6 | 21 46 | 0 4 | 16 13 | 1 31 | 19 52 | 0 8 | 3 50 | 1 6 | 21 53 | 1 25 | 22 3 | 0 25 | 20 41 | 1 37 | 13 26 | 14 55 | 22 11 | 21 58 | 23 58 | 9 29 | 1 30 |
| T 5 | 22 28 | 5 17 | 3 58 | 22 14 | 0n 6 | 16 33 | 1 30 | 20 2 | 0 8 | 3 54 | 1 6 | 21 53 | 1 25 | 22 3 | 0 25 | 20 41 | 1 37 | 13 25 | 14 55 | 22 11 | 21 58 | 23 58 | 9 30 | 1 30 |
| W 6 | 22 34 | 0s22 | 4 38 | 22 41 | 0 17 | 16 53 | 1 28 | 20 11 | 0 7 | 3 57 | 1 6 | 21 53 | 1 25 | 22 2 | 0 25 | 20 41 | 1 37 | 13 25 | 14 54 | 22 11 | 21 59 | 23 59 | 9 30 | 1 30 |
| T 7 | 22 40 | 6 10 | 5 4 | 23 5 | 0 27 | 17 13 | 1 27 | 20 21 | 0 6 | 4 1 | 1 7 | 21 53 | 1 25 | 22 2 | 0 25 | 20 41 | 1 37 | 13 25 | 14 54 | 22 11 | 21 59 | 24 0 | 9 31 | 1 30 |
| F 8 | 22 45 | 11 50 | 5 13 | 23 27 | 0 37 | 17 32 | 1 26 | 20 30 | 0 6 | 4 5 | 1 7 | 21 53 | 1 25 | 22 1 | 0 25 | 20 41 | 1 37 | 13 25 | 14 53 | 22 11 | 22 0 | 24 1 | 9 32 | 1 30 |
| S 9 | 22 50 | 17 1 | 5 2 | 23 47 | 0 47 | 17 50 | 1 24 | 20 39 | 0 5 | 4 8 | 1 7 | 21 53 | 1 24 | 22 1 | 0 25 | 20 41 | 1 37 | 13 24 | 14 53 | 22 11 | 22 0 | 24 2 | 9 33 | 1 30 |
| S 10 | 22 55 | 21 17 | 4 31 | 24 5 | 0 56 | 18 8 | 1 23 | 20 48 | 0 4 | 4 12 | 1 7 | 21 53 | 1 24 | 22 0 | 0 25 | 20 40 | 1 37 | 13 24 | 14 53 | 22 12 | 22 0 | 24 3 | 9 34 | 1 30 |
| M11 | 22 59 | 24 10 | 3 41 | 24 19 | 1 5 | 18 26 | 1 21 | 20 57 | 0 4 | 4 15 | 1 7 | 21 54 | 1 24 | 22 0 | 0 25 | 20 40 | 1 37 | 13 24 | 14 52 | 22 12 | 22 1 | 24 3 | 9 35 | 1 30 |
| T 12 | 23 3 | 25 19 | 2 35 | 24 31 | 1 14 | 18 43 | 1 19 | 21 5 | 0 3 | 4 19 | 1 8 | 21 54 | 1 24 | 21 59 | 0 25 | 20 40 | 1 37 | 13 23 | 14 52 | 22 13 | 22 1 | 24 4 | 9 35 | 1 30 |
| W13 | 23 6 | 24 35 | 1 18 | 24 41 | 1 22 | 19 0 | 1 18 | 21 14 | 0 2 | 4 22 | 1 8 | 21 54 | 1 24 | 21 59 | 0 25 | 20 40 | 1 37 | 13 23 | 14 51 | 22 13 | 22 2 | 24 5 | 9 36 | 1 30 |
| T 14 | 23 9 | 22 7 | 0n 3 | 24 47 | 1 29 | 19 16 | 1 16 | 21 22 | 0 1 | 4 25 | 1 8 | 21 54 | 1 24 | 21 58 | 0 25 | 20 40 | 1 37 | 13 22 | 14 51 | 22 13 | 22 2 | 24 6 | 9 37 | 1 30 |
| F 15 | 23 12 | 18 15 | 1 21 | 24 51 | 1 36 | 19 32 | 1 14 | 21 29 | 0 1 | 4 29 | 1 8 | 21 54 | 1 24 | 21 58 | 0 25 | 20 39 | 1 37 | 13 22 | 14 51 | 22 13 | 22 3 | 24 6 | 9 38 | 1 30 |
| S 16 | 23 14 | 13 28 | 2 33 | 24 53 | 1 42 | 19 47 | 1 12 | 21 37 | 0 0 | 4 32 | 1 9 | 21 54 | 1 24 | 21 57 | 0 25 | 20 39 | 1 37 | 13 22 | 14 50 | 22 13 | 22 3 | 24 7 | 9 38 | 1 30 |
| S 17 | 23 16 | 8 8 | 3 34 | 24 51 | 1 47 | 20 2 | 1 10 | 21 44 | 0n 1 | 4 35 | 1 9 | 21 54 | 1 24 | 21 57 | 0 25 | 20 39 | 1 37 | 13 21 | 14 50 | 22 13 | 22 3 | 24 8 | 9 39 | 1 30 |
| M18 | 23 17 | 2 37 | 4 21 | 24 48 | 1 52 | 20 16 | 1 8 | 21 51 | 0 1 | 4 38 | 1 9 | 21 54 | 1 24 | 21 56 | 0 25 | 20 39 | 1 37 | 13 21 | 14 49 | 22 12 | 22 4 | 24 9 | 9 40 | 1 30 |
| T 19 | 23 18 | 2n50 | 4 54 | 24 41 | 1 55 | 20 30 | 1 6 | 21 58 | 0 2 | 4 41 | 1 9 | 21 54 | 1 24 | 21 56 | 0 25 | 20 39 | 1 37 | 13 20 | 14 49 | 22 12 | 22 4 | 24 9 | 9 41 | 1 30 |
| W20 | 23 19 | 8 2 | 5 12 | 24 33 | 1 58 | 20 43 | 1 4 | 22 5 | 0 3 | 4 44 | 1 9 | 21 55 | 1 24 | 21 55 | 0 25 | 20 39 | 1 37 | 13 20 | 14 49 | 22 12 | 22 5 | 24 10 | 9 41 | 1 30 |
| T 21 | 23 19 | 12 49 | 5 15 | 24 22 | 2 0 | 20 55 | 1 2 | 22 11 | 0 3 | 4 47 | 1 10 | 21 55 | 1 24 | 21 54 | 0 25 | 20 38 | 1 37 | 13 19 | 14 48 | 22 13 | 22 5 | 24 11 | 9 42 | 1 30 |
| F 22 | 23 19 | 17 2 | 5 5 | 24 10 | 2 2 | 21 7 | 1 0 | 22 18 | 0 4 | 4 50 | 1 10 | 21 55 | 1 24 | 21 54 | 0 25 | 20 38 | 1 37 | 13 19 | 14 48 | 22 13 | 22 6 | 24 12 | 9 42 | 1 30 |
| S 23 | 23 18 | 20 32 | 4 41 | 23 55 | 2 2 | 21 18 | 0 58 | 22 24 | 0 5 | 4 53 | 1 10 | 21 55 | 1 24 | 21 53 | 0 25 | 20 38 | 1 37 | 13 18 | 14 47 | 22 13 | 22 6 | 24 12 | 9 43 | 1 30 |
| S 24 | 23 17 | 23 11 | 4 6 | 23 39 | 2 2 | 21 29 | 0 56 | 22 30 | 0 5 | 4 56 | 1 10 | 21 55 | 1 24 | 21 53 | 0 25 | 20 38 | 1 37 | 13 18 | 14 47 | 22 13 | 22 6 | 24 13 | 9 44 | 1 30 |
| M25 | 23 15 | 24 49 | 3 20 | 23 21 | 2 1 | 21 39 | 0 54 | 22 35 | 0 6 | 4 58 | 1 11 | 21 55 | 1 24 | 21 52 | 0 25 | 20 38 | 1 37 | 13 17 | 14 46 | 22 14 | 22 7 | 24 14 | 9 44 | 1 30 |
| T 26 | 23 13 | 25 20 | 2 25 | 23 1 | 2 0 | 21 49 | 0 52 | 22 40 | 0 7 | 5 1 | 1 11 | 21 55 | 1 23 | 21 52 | 0 25 | 20 38 | 1 37 | 13 17 | 14 46 | 22 14 | 22 7 | 24 14 | 9 45 | 1 30 |
| W27 | 23 11 | 24 42 | 1 23 | 22 41 | 1 57 | 21 58 | 0 49 | 22 45 | 0 7 | 5 4 | 1 11 | 21 55 | 1 23 | 21 51 | 0 25 | 20 37 | 1 37 | 13 16 | 14 46 | 22 14 | 22 8 | 24 15 | 9 45 | 1 30 |
| T 28 | 23 8 | 22 54 | 0 18 | 22 19 | 1 54 | 22 6 | 0 47 | 22 50 | 0 8 | 5 6 | 1 11 | 21 56 | 1 23 | 21 51 | 0 25 | 20 37 | 1 37 | 13 15 | 14 45 | 22 14 | 22 8 | 24 16 | 9 46 | 1 30 |
| F 29 | 23 5 | 20 1 | 0s50 | 21 56 | 1 50 | 22 14 | 0 45 | 22 55 | 0 9 | 5 9 | 1 12 | 21 56 | 1 23 | 21 50 | 0 25 | 20 37 | 1 37 | 13 15 | 14 45 | 22 14 | 22 8 | 24 16 | 9 46 | 1 30 |
| S 30 | 23n 1 | 16n12 | 1s56 | 21n31 | 1n46 | 22n21 | 0s43 | 22n59 | 0n 9 | 5n11 | 1s12 | 21s56 | 1n23 | 21n49 | 0n25 | 20s37 | 1n37 | 13n14 | 14n44 | 22s14 | 22s 9 | 24n17 | 9n47 | 1n30 |

Julian Day Number = 2801963.5, Delta T = 50m33s
Ecliptic obliquity = 23°18'56, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°10'12, Lahiri = 37°17'12


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# ASTRODIENST EPHEMERIS for the year 2959
# geocentric

## JULY 2959 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 36 39 | 9♋48'32 | 20♌58 | 2♌36 | 22♊59 | 19♊23 | 16♈12 | 0°R35 | 22♋49 | 12°R47 | 0♎43 | 17♑ 5 | 17♑40 | 3♊43 | 21♈40 | S 1 |
| M 2 | 18 40 36 | 10°45'54 | 3♍45 | 4° 1 | 24°12 | 20° 6 | 16°18 | 0♑30 | 22°52 | 12♐46 | 0°43 | 17° 6 | 17°37 | 3°50 | 21°41 | M 2 |
| T 3 | 18 44 33 | 11°43'15 | 16°49 | 5°24 | 25°26 | 20°48 | 16°25 | 0°26 | 22°56 | 12°44 | 0°44 | 17° 7 | 17°34 | 3°56 | 21°42 | T 3 |
| W 4 | 18 48 29 | 12°40'35 | 0♎10 | 6°45 | 26°39 | 21°31 | 16°31 | 0°22 | 22°59 | 12°43 | 0°45 | 17° 7 | 17°31 | 4° 3 | 21°43 | W 4 |
| T 5 | 18 52 26 | 13°37'55 | 13°51 | 8° 2 | 27°52 | 22°14 | 16°37 | 0°17 | 23° 3 | 12°42 | 0°46 | 17°R 7 | 17°28 | 4°10 | 21°44 | T 5 |
| F 6 | 18 56 22 | 14°35'13 | 27°51 | 9°17 | 29° 5 | 22°56 | 16°43 | 0°13 | 23° 6 | 12°40 | 0°46 | 17° 7 | 17°24 | 4°16 | 21°45 | F 6 |
| S 7 | 19 0 19 | 15°32'31 | 12♏ 9 | 10°28 | 0♋19 | 23°39 | 16°49 | 0° 9 | 23°10 | 12°39 | 0°47 | 17° 7 | 17°21 | 4°23 | 21°46 | S 7 |
| S 8 | 19 4 15 | 16°29'49 | 26°44 | 11°37 | 1°32 | 24°21 | 16°55 | 0° 5 | 23°14 | 12°38 | 0°48 | 17° 7 | 17°18 | 4°30 | 21°47 | S 8 |
| M 9 | 19 8 12 | 17°27'05 | 11♐30 | 12°43 | 2°45 | 25° 4 | 17° 0 | 0° 0 | 23°17 | 12°36 | 0°49 | 17°D 7 | 17°15 | 4°36 | 21°48 | M 9 |
| T 10 | 19 12 8 | 18°24'21 | 26°21 | 13°45 | 3°58 | 25°46 | 17° 6 | 29♐56 | 23°21 | 12°35 | 0°50 | 17° 7 | 17°12 | 4°43 | 21°49 | T 10 |
| W11 | 19 16 5 | 19°21'37 | 11♑11 | 14°44 | 5°12 | 26°28 | 17°11 | 29°52 | 23°24 | 12°34 | 0°51 | 17°R 7 | 17° 9 | 4°50 | 21°50 | W11 |
| T 12 | 19 20 2 | 20°18'52 | 25°52 | 15°40 | 6°25 | 27°10 | 17°16 | 29°48 | 23°28 | 12°33 | 0°52 | 17° 7 | 17° 5 | 4°56 | 21°50 | T 12 |
| F 13 | 19 23 58 | 21°16'07 | 10♒17 | 16°33 | 7°38 | 27°53 | 17°21 | 29°44 | 23°32 | 12°32 | 0°52 | 17° 7 | 17° 2 | 5° 3 | 21°51 | F 13 |
| S 14 | 19 27 55 | 22°13'21 | 24°20 | 17°22 | 8°52 | 28°35 | 17°25 | 29°40 | 23°35 | 12°30 | 0°53 | 17° 6 | 16°59 | 5°10 | 21°52 | S 14 |
| S 15 | 19 31 51 | 23°10'36 | 8♓ 0 | 18° 7 | 10° 5 | 29°17 | 17°30 | 29°36 | 23°39 | 12°29 | 0°54 | 17° 5 | 16°56 | 5°16 | 21°52 | S 15 |
| M16 | 19 35 48 | 24° 7'50 | 21°16 | 18°49 | 11°18 | 29°59 | 17°34 | 29°33 | 23°42 | 12°28 | 0°56 | 17° 5 | 16°53 | 5°23 | 21°53 | M16 |
| T 17 | 19 39 44 | 25° 5'04 | 4♈ 8 | 19°27 | 12°32 | 0♋41 | 17°38 | 29°29 | 23°46 | 12°27 | 0°57 | 17° 4 | 16°49 | 5°30 | 21°53 | T 17 |
| W18 | 19 43 41 | 26° 2'19 | 16°39 | 20° 0 | 13°45 | 1°23 | 17°42 | 29°25 | 23°50 | 12°26 | 0°58 | 17° 4 | 16°46 | 5°36 | 21°54 | W18 |
| T 19 | 19 47 37 | 26°59'34 | 28°53 | 20°30 | 14°59 | 2° 5 | 17°46 | 29°21 | 23°53 | 12°25 | 0°59 | 17°D 3 | 16°43 | 5°43 | 21°54 | T 19 |
| F 20 | 19 51 34 | 27°56'49 | 10♉54 | 20°56 | 16°12 | 2°46 | 17°50 | 29°18 | 23°57 | 12°24 | 1° 0 | 17° 4 | 16°40 | 5°50 | 21°54 | F 20 |
| S 21 | 19 55 31 | 28°54'04 | 22°48 | 21°17 | 17°26 | 3°28 | 17°53 | 29°14 | 24° 0 | 12°23 | 1° 1 | 17° 4 | 16°37 | 5°56 | 21°54 | S 21 |
| S 22 | 19 59 27 | 29°51'19 | 4♊38 | 21°33 | 18°39 | 4°10 | 17°57 | 29°11 | 24° 4 | 12°22 | 1° 2 | 17° 6 | 16°34 | 6° 3 | 21°55 | S 22 |
| M23 | 20 3 24 | 0♌48'35 | 16°28 | 21°45 | 19°53 | 4°51 | 18° 0 | 29° 7 | 24° 8 | 12°21 | 1° 4 | 17° 7 | 16°30 | 6°10 | 21°55 | M23 |
| T 24 | 20 7 20 | 1°45'51 | 28°23 | 21°53 | 21° 6 | 5°33 | 18° 2 | 29° 4 | 24°11 | 12°20 | 1° 5 | 17° 8 | 16°27 | 6°17 | 21°55 | T 24 |
| W25 | 20 11 17 | 2°43'07 | 10♋26 | 21°R56 | 22°20 | 6°14 | 18° 5 | 29° 0 | 24°15 | 12°19 | 1° 6 | 17° 9 | 16°24 | 6°23 | 21°R55 | W25 |
| T 26 | 20 15 13 | 3°40'24 | 22°40 | 21°53 | 23°33 | 6°56 | 18° 8 | 28°57 | 24°18 | 12°18 | 1° 8 | 17°R 9 | 16°21 | 6°30 | 21°55 | T 26 |
| F 27 | 20 19 10 | 4°37'40 | 5♌ 6 | 21°47 | 24°47 | 7°37 | 18°10 | 28°54 | 24°22 | 12°17 | 1° 9 | 17° 8 | 16°18 | 6°37 | 21°55 | F 27 |
| S 28 | 20 23 6 | 5°34'57 | 17°45 | 21°35 | 26° 0 | 8°19 | 18°12 | 28°51 | 24°26 | 12°17 | 1°10 | 17° 6 | 16°15 | 6°43 | 21°55 | S 28 |
| S 29 | 20 27 3 | 6°32'14 | 0♍38 | 21°19 | 27°14 | 9° 0 | 18°14 | 28°48 | 24°29 | 12°16 | 1°12 | 17° 4 | 16°11 | 6°50 | 21°54 | S 29 |
| M30 | 20 31 0 | 7°29'30 | 13°46 | 20°59 | 28°28 | 9°41 | 18°16 | 28°45 | 24°33 | 12°15 | 1°13 | 17° 1 | 16° 8 | 6°57 | 21°54 | M30 |
| T 31 | 20 34 56 | 8♌26'47 | 27♍ 8 | 20♌34 | 29♋41 | 10♋22 | 18♈17 | 28♐42 | 24♋36 | 12♐14 | 1♎14 | 16♑58 | 16♑ 5 | 7♊ 3 | 21♈54 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n57 | 11n38 | 2s57 | 21n 6 | 1n40 | 22n28 | 0s40 | 23n 4 | 0n10 | 5n14 | 1s12 | 21s56 | 1n23 | 21n49 | 0n25 | 20s37 | 1n37 | 13n14 | 14n44 | 22s14 | 22s 9 | 24n18 | 9n47 | 1n30 |
| M 2 | 22 53 | 6 29 | 3 51 | 20 41 | 1 34 | 22 34 | 0 38 | 23 8 | 0 11 | 5 16 | 1 12 | 21 56 | 1 23 | 21 48 | 0 25 | 20 37 | 1 37 | 13 13 | 14 44 | 22 14 | 22 10 | 24 18 | 9 48 | 1 30 |
| T 3 | 22 48 | 0 58 | 4 34 | 20 14 | 1 28 | 22 39 | 0 35 | 23 11 | 0 11 | 5 18 | 1 13 | 21 56 | 1 23 | 21 48 | 0 25 | 20 36 | 1 37 | 13 12 | 14 43 | 22 14 | 22 10 | 24 19 | 9 48 | 1 30 |
| W 4 | 22 43 | 4s43 | 5 4 | 19 47 | 1 20 | 22 43 | 0 33 | 23 15 | 0 12 | 5 20 | 1 13 | 21 56 | 1 23 | 21 47 | 0 25 | 20 36 | 1 37 | 13 12 | 14 43 | 22 14 | 22 11 | 24 20 | 9 49 | 1 30 |
| T 5 | 22 37 | 10 18 | 5 17 | 19 20 | 1 13 | 22 47 | 0 31 | 23 18 | 0 13 | 5 22 | 1 13 | 21 56 | 1 23 | 21 46 | 0 25 | 20 36 | 1 37 | 13 11 | 14 43 | 22 14 | 22 11 | 24 20 | 9 49 | 1 30 |
| F 6 | 22 31 | 15 30 | 5 12 | 18 52 | 1 4 | 22 51 | 0 28 | 23 21 | 0 13 | 5 24 | 1 13 | 21 56 | 1 22 | 21 46 | 0 25 | 20 36 | 1 37 | 13 10 | 14 42 | 22 14 | 22 11 | 24 21 | 9 49 | 1 30 |
| S 7 | 22 25 | 19 58 | 4 48 | 18 24 | 0 55 | 22 53 | 0 26 | 23 24 | 0 14 | 5 26 | 1 14 | 21 57 | 1 22 | 21 45 | 0 25 | 20 36 | 1 37 | 13 10 | 14 42 | 22 14 | 22 12 | 24 22 | 9 50 | 1 30 |
| S 8 | 22 18 | 23 17 | 4 5 | 17 56 | 0 45 | 22 55 | 0 23 | 23 26 | 0 15 | 5 28 | 1 14 | 21 57 | 1 22 | 21 45 | 0 25 | 20 36 | 1 37 | 13 9 | 14 41 | 22 14 | 22 12 | 24 22 | 9 50 | 1 30 |
| M 9 | 22 11 | 25 6 | 3 5 | 17 28 | 0 35 | 22 56 | 0 21 | 23 29 | 0 15 | 5 30 | 1 14 | 21 57 | 1 22 | 21 44 | 0 25 | 20 36 | 1 37 | 13 8 | 14 41 | 22 14 | 22 13 | 24 23 | 9 51 | 1 30 |
| T 10 | 22 3 | 25 9 | 1 53 | 17 0 | 0 24 | 22 57 | 0 18 | 23 31 | 0 16 | 5 32 | 1 14 | 21 57 | 1 22 | 21 43 | 0 25 | 20 36 | 1 37 | 13 8 | 14 41 | 22 14 | 22 13 | 24 23 | 9 51 | 1 30 |
| W11 | 21 56 | 23 24 | 0 33 | 16 32 | 0 13 | 22 57 | 0 16 | 23 33 | 0 17 | 5 34 | 1 15 | 21 57 | 1 22 | 21 43 | 0 25 | 20 35 | 1 37 | 13 7 | 14 40 | 22 14 | 22 13 | 24 24 | 9 51 | 1 30 |
| T 12 | 21 47 | 20 4 | 0n48 | 16 4 | 0 1 | 22 56 | 0 13 | 23 35 | 0 17 | 5 35 | 1 15 | 21 57 | 1 22 | 21 42 | 0 25 | 20 35 | 1 36 | 13 6 | 14 40 | 22 14 | 22 14 | 24 25 | 9 51 | 1 30 |
| F 13 | 21 39 | 15 34 | 2 5 | 15 37 | 0s11 | 22 55 | 0 11 | 23 36 | 0 18 | 5 37 | 1 15 | 21 57 | 1 22 | 21 42 | 0 25 | 20 35 | 1 36 | 13 6 | 14 39 | 22 14 | 22 14 | 24 25 | 9 52 | 1 30 |
| S 14 | 21 30 | 10 19 | 3 12 | 15 10 | 0 24 | 22 53 | 0 8 | 23 37 | 0 19 | 5 39 | 1 16 | 21 57 | 1 21 | 21 41 | 0 25 | 20 35 | 1 36 | 13 5 | 14 39 | 22 14 | 22 15 | 24 26 | 9 52 | 1 30 |
| S 15 | 21 20 | 4 42 | 4 6 | 14 44 | 0 37 | 22 50 | 0 6 | 23 38 | 0 19 | 5 40 | 1 16 | 21 58 | 1 21 | 21 40 | 0 25 | 20 35 | 1 36 | 13 4 | 14 39 | 22 14 | 22 15 | 24 26 | 9 52 | 1 30 |
| M16 | 21 10 | 0n56 | 4 46 | 14 18 | 0 51 | 22 47 | 0 3 | 23 39 | 0 20 | 5 41 | 1 16 | 21 58 | 1 21 | 21 40 | 0 25 | 20 35 | 1 36 | 13 3 | 14 38 | 22 14 | 22 15 | 24 27 | 9 52 | 1 30 |
| T 17 | 21 0 | 6 22 | 5 9 | 13 53 | 1 5 | 22 43 | 0 1 | 23 40 | 0 21 | 5 43 | 1 16 | 21 58 | 1 21 | 21 39 | 0 25 | 20 35 | 1 36 | 13 3 | 14 38 | 22 14 | 22 16 | 24 27 | 9 52 | 1 30 |
| W18 | 20 50 | 11 23 | 5 17 | 13 29 | 1 19 | 22 38 | 0n 1 | 23 40 | 0 22 | 5 44 | 1 17 | 21 58 | 1 21 | 21 39 | 0 25 | 20 35 | 1 36 | 13 2 | 14 38 | 22 14 | 22 16 | 24 28 | 9 53 | 1 30 |
| T 19 | 20 39 | 15 51 | 5 10 | 13 6 | 1 34 | 22 33 | 0 4 | 23 40 | 0 22 | 5 45 | 1 17 | 21 58 | 1 21 | 21 38 | 0 25 | 20 35 | 1 36 | 13 1 | 14 37 | 22 14 | 22 17 | 24 29 | 9 53 | 1 30 |
| F 20 | 20 28 | 19 37 | 4 50 | 12 44 | 1 48 | 22 27 | 0 6 | 23 40 | 0 23 | 5 46 | 1 17 | 21 58 | 1 21 | 21 37 | 0 25 | 20 34 | 1 36 | 13 0 | 14 37 | 22 14 | 22 17 | 24 29 | 9 53 | 1 30 |
| S 21 | 20 16 | 22 32 | 4 18 | 12 23 | 2 3 | 22 20 | 0 9 | 23 40 | 0 24 | 5 47 | 1 17 | 21 58 | 1 21 | 21 37 | 0 25 | 20 34 | 1 36 | 13 0 | 14 37 | 22 14 | 22 17 | 24 30 | 9 53 | 1 30 |
| S 22 | 20 5 | 24 28 | 3 34 | 12 4 | 2 18 | 22 13 | 0 11 | 23 39 | 0 24 | 5 48 | 1 18 | 21 58 | 1 20 | 21 36 | 0 25 | 20 34 | 1 36 | 12 59 | 14 36 | 22 14 | 22 18 | 24 30 | 9 53 | 1 30 |
| M23 | 19 52 | 25 19 | 2 42 | 11 46 | 2 33 | 22 5 | 0 14 | 23 38 | 0 25 | 5 49 | 1 18 | 21 59 | 1 20 | 21 36 | 0 25 | 20 34 | 1 36 | 12 58 | 14 36 | 22 14 | 22 18 | 24 31 | 9 53 | 1 30 |
| T 24 | 19 40 | 25 0 | 1 42 | 11 29 | 2 48 | 21 56 | 0 16 | 23 37 | 0 26 | 5 50 | 1 18 | 21 59 | 1 20 | 21 35 | 0 25 | 20 34 | 1 36 | 12 57 | 14 36 | 22 13 | 22 18 | 24 31 | 9 53 | 1 30 |
| W25 | 19 27 | 23 31 | 0 37 | 11 14 | 3 3 | 21 47 | 0 18 | 23 36 | 0 26 | 5 51 | 1 19 | 21 59 | 1 20 | 21 34 | 0 25 | 20 34 | 1 36 | 12 56 | 14 35 | 22 13 | 22 19 | 24 32 | 9 53 | 1 30 |
| T 26 | 19 14 | 20 55 | 0s30 | 11 1 | 3 17 | 21 37 | 0 21 | 23 35 | 0 27 | 5 51 | 1 19 | 21 59 | 1 20 | 21 34 | 0 25 | 20 34 | 1 36 | 12 56 | 14 35 | 22 13 | 22 19 | 24 32 | 9 53 | 1 30 |
| F 27 | 19 0 | 17 19 | 1 38 | 10 50 | 3 32 | 21 26 | 0 23 | 23 33 | 0 28 | 5 52 | 1 19 | 21 59 | 1 20 | 21 33 | 0 25 | 20 34 | 1 36 | 12 55 | 14 35 | 22 13 | 22 20 | 24 33 | 9 53 | 1 30 |
| S 28 | 18 47 | 12 53 | 2 41 | 10 41 | 3 45 | 21 15 | 0 25 | 23 32 | 0 28 | 5 53 | 1 19 | 21 59 | 1 19 | 21 32 | 0 25 | 20 34 | 1 36 | 12 54 | 14 34 | 22 14 | 22 20 | 24 33 | 9 53 | 1 30 |
| S 29 | 18 33 | 7 48 | 3 37 | 10 33 | 3 58 | 21 3 | 0 28 | 23 30 | 0 29 | 5 53 | 1 20 | 21 59 | 1 19 | 21 32 | 0 25 | 20 34 | 1 36 | 12 53 | 14 34 | 22 14 | 22 20 | 24 34 | 9 53 | 1 30 |
| M30 | 18 18 | 2 18 | 4 23 | 10 28 | 4 10 | 20 51 | 0 30 | 23 27 | 0 30 | 5 53 | 1 20 | 21 59 | 1 19 | 21 31 | 0 25 | 20 34 | 1 36 | 12 52 | 14 34 | 22 14 | 22 21 | 24 34 | 9 53 | 1 30 |
| T 31 | 18n 3 | 3s24 | 4s56 | 10n25 | 4s22 | 20n38 | 0n32 | 23n25 | 0n30 | 5n54 | 1s20 | 22s 0 | 1n19 | 21n31 | 0n26 | 20s34 | 1n36 | 12n51 | 14n33 | 22s15 | 22s21 | 24n34 | 9n53 | 1n30 |

Julian Day Number = 2801993.5, Delta T = 50m34s
Ecliptic obliquity = 23°18'56, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°10'16, Lahiri = 37°17'16


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# ASTRODIENST EPHEMERIS for the year 2959
# geocentric

## AUGUST 2959 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 38 53 | 9♌24'04 | 10♎43 | 20°R 6 | 0♌55 | 11♋ 3 | 18♈19 | 28°R39 | 24♋40 | 12°R14 | 1♎16 | 16°R55 | 16♉ 2 | 7♊10 | 21°R53 | W 1 |
| T 2 | 20 42 49 | 10°21'21 | 24°30 | 19♌33 | 2° 9 | 11°44 | 18°20 | 28♐36 | 24°43 | 12♐13 | 1°17 | 16♉54 | 15°59 | 7°17 | 21♈53 | T 2 |
| F 3 | 20 46 46 | 11°18'39 | 8♏29 | 18°58 | 3°22 | 12°25 | 18°21 | 28°33 | 24°47 | 12°12 | 1°19 | 16°D53 | 15°55 | 7°23 | 21°53 | F 3 |
| S 4 | 20 50 42 | 12°15'56 | 22°39 | 18°20 | 4°36 | 13° 6 | 18°22 | 28°31 | 24°50 | 12°12 | 1°20 | 16°53 | 15°52 | 7°30 | 21°52 | S 4 |
| S 5 | 20 54 39 | 13°13'13 | 6♐56 | 17°40 | 5°50 | 13°47 | 18°22 | 28°28 | 24°54 | 12°11 | 1°22 | 16°54 | 15°49 | 7°37 | 21°52 | S 5 |
| M 6 | 20 58 35 | 14°10'31 | 21°20 | 16°59 | 7° 3 | 14°28 | 18°23 | 28°26 | 24°57 | 12°10 | 1°24 | 16°56 | 15°46 | 7°43 | 21°51 | M 6 |
| T 7 | 21 2 32 | 15° 7'49 | 5♑46 | 16°17 | 8°17 | 15° 9 | 18°R23 | 28°24 | 25° 1 | 12°10 | 1°25 | 16°57 | 15°43 | 7°50 | 21°50 | T 7 |
| W 8 | 21 6 29 | 16° 5'07 | 20°11 | 15°35 | 9°31 | 15°50 | 18°23 | 28°21 | 25° 4 | 12° 9 | 1°27 | 16°R57 | 15°40 | 7°57 | 21°50 | W 8 |
| T 9 | 21 10 25 | 17° 2'26 | 4♒30 | 14°54 | 10°45 | 16°30 | 18°22 | 28°19 | 25° 8 | 12° 9 | 1°28 | 16°56 | 15°36 | 8° 3 | 21°49 | T 9 |
| F 10 | 21 14 22 | 17°59'45 | 18°38 | 14°15 | 11°59 | 17°11 | 18°22 | 28°17 | 25°11 | 12° 8 | 1°30 | 16°54 | 15°33 | 8°10 | 21°48 | F 10 |
| S 11 | 21 18 18 | 18°57'04 | 2♓30 | 13°37 | 13°12 | 17°51 | 18°21 | 28°15 | 25°14 | 12° 8 | 1°32 | 16°50 | 15°30 | 8°17 | 21°47 | S 11 |
| S 12 | 21 22 15 | 19°54'25 | 16° 4 | 13° 3 | 14°26 | 18°32 | 18°21 | 28°13 | 25°18 | 12° 8 | 1°34 | 16°45 | 15°27 | 8°23 | 21°46 | S 12 |
| M13 | 21 26 11 | 20°51'46 | 29°17 | 12°32 | 15°40 | 19°12 | 18°20 | 28°11 | 25°21 | 12° 7 | 1°35 | 16°39 | 15°24 | 8°30 | 21°45 | M13 |
| T 14 | 21 30 8 | 21°49'07 | 12♈ 9 | 12° 6 | 16°54 | 19°53 | 18°19 | 28° 9 | 25°24 | 12° 7 | 1°37 | 16°34 | 15°21 | 8°37 | 21°44 | T 14 |
| W15 | 21 34 4 | 22°46'30 | 24°41 | 11°44 | 18° 8 | 20°33 | 18°17 | 28° 8 | 25°28 | 12° 7 | 1°39 | 16°30 | 15°17 | 8°43 | 21°43 | W15 |
| T 16 | 21 38 1 | 23°43'54 | 6♉56 | 11°28 | 19°22 | 21°13 | 18°16 | 28° 6 | 25°31 | 12° 6 | 1°41 | 16°27 | 15°14 | 8°50 | 21°42 | T 16 |
| F 17 | 21 41 58 | 24°41'19 | 18°58 | 11°17 | 20°36 | 21°53 | 18°14 | 28° 5 | 25°34 | 12° 6 | 1°42 | 16°25 | 15°11 | 8°57 | 21°41 | F 17 |
| S 18 | 21 45 54 | 25°38'45 | 0♊51 | 11°D13 | 21°50 | 22°33 | 18°12 | 28° 3 | 25°38 | 12° 6 | 1°44 | 16°D25 | 15° 8 | 9° 3 | 21°40 | S 18 |
| S 19 | 21 49 51 | 26°36'12 | 12°41 | 11°14 | 23° 4 | 23°14 | 18°10 | 28° 2 | 25°41 | 12° 6 | 1°46 | 16°26 | 15° 5 | 9°10 | 21°39 | S 19 |
| M20 | 21 53 47 | 27°33'41 | 24°33 | 11°22 | 24°18 | 23°54 | 18° 7 | 28° 1 | 25°44 | 12° 6 | 1°48 | 16°28 | 15° 1 | 9°17 | 21°37 | M20 |
| T 21 | 21 57 44 | 28°31'10 | 6♋31 | 11°37 | 25°32 | 24°34 | 18° 5 | 28° 0 | 25°47 | 12° 6 | 1°50 | 16°29 | 14°58 | 9°23 | 21°36 | T 21 |
| W22 | 22 1 40 | 29°28'41 | 18°40 | 11°58 | 26°46 | 25°13 | 18° 2 | 27°59 | 25°50 | 12° 5 | 1°52 | 16°R30 | 14°55 | 9°30 | 21°35 | W22 |
| T 23 | 22 5 37 | 0♍26'12 | 1♌ 3 | 12°26 | 28° 0 | 25°53 | 17°59 | 27°58 | 25°53 | 12° 5 | 1°53 | 16°29 | 14°52 | 9°37 | 21°33 | T 23 |
| F 24 | 22 9 33 | 1°23'45 | 13°43 | 13° 0 | 29°14 | 26°33 | 17°56 | 27°57 | 25°57 | 12°D 5 | 1°55 | 16°26 | 14°49 | 9°43 | 21°32 | F 24 |
| S 25 | 22 13 30 | 2°21'19 | 26°41 | 13°42 | 0♍28 | 27°13 | 17°53 | 27°56 | 26° 0 | 12° 5 | 1°57 | 16°21 | 14°46 | 9°50 | 21°30 | S 25 |
| S 26 | 22 17 27 | 3°18'54 | 9♍57 | 14°29 | 1°42 | 27°53 | 17°49 | 27°56 | 26° 3 | 12° 5 | 1°59 | 16°14 | 14°42 | 9°57 | 21°29 | S 26 |
| M27 | 22 21 23 | 4°16'29 | 23°30 | 15°24 | 2°56 | 28°32 | 17°45 | 27°55 | 26° 6 | 12° 6 | 2° 1 | 16° 6 | 14°39 | 10° 3 | 21°27 | M27 |
| T 28 | 22 25 20 | 5°14'06 | 7♎17 | 16°24 | 4°10 | 29°12 | 17°42 | 27°55 | 26° 9 | 12° 6 | 2° 3 | 15°58 | 14°36 | 10°10 | 21°25 | T 28 |
| W29 | 22 29 16 | 6°11'44 | 21°14 | 17°31 | 5°24 | 29°51 | 17°37 | 27°54 | 26°12 | 12° 6 | 2° 5 | 15°51 | 14°33 | 10°17 | 21°24 | W29 |
| T 30 | 22 33 13 | 7° 9'23 | 5♏19 | 18°43 | 6°38 | 0♌31 | 17°33 | 27°54 | 26°15 | 12° 6 | 2° 7 | 15°45 | 14°30 | 10°23 | 21°22 | T 30 |
| F 31 | 22 37 9 | 8♍ 7'03 | 19♏28 | 20♌ 2 | 7♍53 | 1♌10 | 17♈29 | 27♐54 | 26♋18 | 12♐ 6 | 2♎ 9 | 15♉42 | 14♉27 | 10♊30 | 21♈20 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n49 | 9s 1 | 5s13 | 10n24 | 4s32 | 20n25 | 0n34 | 23n22 | 0n31 | 5n54 | 1s21 | 22s 0 | 1n19 | 21n30 | 0n26 | 20s34 | 1n36 | 12n51 | 14n33 | 22s15 | 22s22 | 24n35 | 9n53 | 1n30 |
| T 2 | 17 33 | 14 17 | 5 12 | 10 25 | 4 41 | 20 10 | 0 37 | 23 19 | 0 32 | 5 54 | 1 21 | 22 0 | 1 19 | 21 29 | 0 26 | 20 34 | 1 36 | 12 50 | 14 33 | 22 15 | 22 22 | 24 35 | 9 53 | 1 30 |
| F 3 | 17 18 | 18 52 | 4 53 | 10 29 | 4 49 | 19 56 | 0 39 | 23 16 | 0 32 | 5 54 | 1 21 | 22 0 | 1 18 | 21 29 | 0 26 | 20 34 | 1 36 | 12 49 | 14 32 | 22 15 | 22 22 | 24 36 | 9 52 | 1 30 |
| S 4 | 17 2 | 22 27 | 4 15 | 10 34 | 4 55 | 19 40 | 0 41 | 23 13 | 0 33 | 5 54 | 1 21 | 22 0 | 1 18 | 21 28 | 0 26 | 20 34 | 1 35 | 12 48 | 14 32 | 22 15 | 22 23 | 24 36 | 9 52 | 1 30 |
| S 5 | 16 46 | 24 41 | 3 22 | 10 41 | 5 0 | 19 25 | 0 43 | 23 10 | 0 33 | 5 54 | 1 22 | 22 0 | 1 18 | 21 28 | 0 26 | 20 34 | 1 35 | 12 47 | 14 32 | 22 15 | 22 23 | 24 37 | 9 52 | 1 30 |
| M 6 | 16 29 | 25 18 | 2 16 | 10 51 | 5 3 | 19 8 | 0 45 | 23 6 | 0 34 | 5 54 | 1 22 | 22 0 | 1 18 | 21 27 | 0 26 | 20 34 | 1 35 | 12 46 | 14 32 | 22 15 | 22 23 | 24 37 | 9 52 | 1 30 |
| T 7 | 16 13 | 24 12 | 1 1 | 11 2 | 5 4 | 18 51 | 0 47 | 23 2 | 0 35 | 5 54 | 1 22 | 22 1 | 1 18 | 21 26 | 0 26 | 20 34 | 1 35 | 12 45 | 14 31 | 22 15 | 22 24 | 24 38 | 9 52 | 1 30 |
| W 8 | 15 56 | 21 31 | 0n18 | 11 14 | 5 4 | 18 34 | 0 49 | 22 58 | 0 35 | 5 54 | 1 23 | 22 1 | 1 18 | 21 26 | 0 26 | 20 34 | 1 35 | 12 44 | 14 31 | 22 15 | 22 24 | 24 38 | 9 51 | 1 30 |
| T 9 | 15 39 | 17 30 | 1 35 | 11 28 | 5 2 | 18 16 | 0 51 | 22 54 | 0 36 | 5 53 | 1 23 | 22 1 | 1 17 | 21 25 | 0 26 | 20 34 | 1 35 | 12 44 | 14 31 | 22 15 | 22 24 | 24 38 | 9 51 | 1 30 |
| F 10 | 15 22 | 12 33 | 2 45 | 11 43 | 4 58 | 17 57 | 0 53 | 22 50 | 0 37 | 5 53 | 1 23 | 22 1 | 1 17 | 21 25 | 0 26 | 20 34 | 1 35 | 12 43 | 14 31 | 22 15 | 22 25 | 24 39 | 9 51 | 1 30 |
| S 11 | 15 4 | 7 3 | 3 44 | 11 59 | 4 52 | 17 38 | 0 55 | 22 45 | 0 37 | 5 52 | 1 23 | 22 1 | 1 17 | 21 24 | 0 26 | 20 34 | 1 35 | 12 42 | 14 30 | 22 16 | 22 25 | 24 39 | 9 50 | 1 30 |
| S 12 | 14 46 | 1 21 | 4 28 | 12 15 | 4 45 | 17 19 | 0 56 | 22 40 | 0 38 | 5 52 | 1 24 | 22 1 | 1 17 | 21 23 | 0 26 | 20 34 | 1 35 | 12 41 | 14 30 | 22 16 | 22 26 | 24 39 | 9 50 | 1 30 |
| M13 | 14 28 | 4n16 | 4 57 | 12 32 | 4 36 | 16 59 | 0 58 | 22 35 | 0 39 | 5 51 | 1 24 | 22 1 | 1 17 | 21 23 | 0 26 | 20 34 | 1 35 | 12 40 | 14 30 | 22 17 | 22 26 | 24 40 | 9 50 | 1 30 |
| T 14 | 14 10 | 9 32 | 5 10 | 12 49 | 4 26 | 16 38 | 1 0 | 22 30 | 0 39 | 5 51 | 1 24 | 22 2 | 1 17 | 21 22 | 0 26 | 20 34 | 1 35 | 12 39 | 14 30 | 22 18 | 22 26 | 24 40 | 9 49 | 1 30 |
| W15 | 13 51 | 14 17 | 5 8 | 13 6 | 4 14 | 16 18 | 1 1 | 22 25 | 0 40 | 5 50 | 1 25 | 22 2 | 1 16 | 21 22 | 0 26 | 20 34 | 1 35 | 12 38 | 14 29 | 22 18 | 22 27 | 24 41 | 9 49 | 1 30 |
| T 16 | 13 32 | 18 21 | 4 52 | 13 23 | 4 2 | 15 56 | 1 3 | 22 19 | 0 41 | 5 49 | 1 25 | 22 2 | 1 16 | 21 21 | 0 26 | 20 34 | 1 35 | 12 37 | 14 29 | 22 19 | 22 27 | 24 41 | 9 48 | 1 30 |
| F 17 | 13 14 | 21 35 | 4 23 | 13 39 | 3 48 | 15 34 | 1 5 | 22 14 | 0 41 | 5 48 | 1 25 | 22 2 | 1 16 | 21 20 | 0 26 | 20 34 | 1 35 | 12 36 | 14 29 | 22 19 | 22 27 | 24 41 | 9 48 | 1 30 |
| S 18 | 12 54 | 23 51 | 3 43 | 13 54 | 3 33 | 15 12 | 1 6 | 22 8 | 0 42 | 5 47 | 1 25 | 22 2 | 1 16 | 21 20 | 0 26 | 20 34 | 1 35 | 12 36 | 14 29 | 22 19 | 22 28 | 24 42 | 9 48 | 1 30 |
| S 19 | 12 35 | 25 4 | 2 53 | 14 8 | 3 18 | 14 50 | 1 8 | 22 2 | 0 43 | 5 46 | 1 26 | 22 2 | 1 16 | 21 19 | 0 26 | 20 34 | 1 35 | 12 35 | 14 29 | 22 19 | 22 28 | 24 42 | 9 47 | 1 30 |
| M20 | 12 15 | 25 9 | 1 56 | 14 21 | 3 2 | 14 26 | 1 9 | 21 56 | 0 43 | 5 45 | 1 26 | 22 3 | 1 15 | 21 19 | 0 26 | 20 34 | 1 35 | 12 34 | 14 28 | 22 18 | 22 28 | 24 42 | 9 47 | 1 30 |
| T 21 | 11 56 | 24 3 | 0 54 | 14 33 | 2 46 | 14 3 | 1 10 | 21 49 | 0 44 | 5 44 | 1 26 | 22 3 | 1 15 | 21 18 | 0 26 | 20 34 | 1 35 | 12 33 | 14 28 | 22 18 | 22 29 | 24 43 | 9 46 | 1 30 |
| W22 | 11 36 | 21 50 | 0s12 | 14 43 | 2 29 | 13 39 | 1 12 | 21 43 | 0 45 | 5 42 | 1 26 | 22 3 | 1 15 | 21 18 | 0 26 | 20 34 | 1 34 | 12 32 | 14 28 | 22 18 | 22 29 | 24 43 | 9 46 | 1 30 |
| T 23 | 11 16 | 18 33 | 1 18 | 14 52 | 2 12 | 13 15 | 1 13 | 21 36 | 0 45 | 5 41 | 1 27 | 22 3 | 1 15 | 21 17 | 0 26 | 20 34 | 1 34 | 12 31 | 14 28 | 22 18 | 22 30 | 24 43 | 9 45 | 1 30 |
| F 24 | 10 55 | 14 21 | 2 22 | 14 59 | 1 56 | 12 50 | 1 14 | 21 29 | 0 46 | 5 40 | 1 27 | 22 3 | 1 15 | 21 16 | 0 26 | 20 34 | 1 34 | 12 30 | 14 28 | 22 19 | 22 30 | 24 43 | 9 45 | 1 30 |
| S 25 | 10 35 | 9 25 | 3 20 | 15 3 | 1 39 | 12 25 | 1 15 | 21 22 | 0 47 | 5 38 | 1 27 | 22 3 | 1 14 | 21 16 | 0 26 | 20 34 | 1 34 | 12 29 | 14 27 | 22 19 | 22 30 | 24 44 | 9 44 | 1 30 |
| S 26 | 10 14 | 3 58 | 4 8 | 15 5 | 1 22 | 12 0 | 1 16 | 21 15 | 0 47 | 5 36 | 1 27 | 22 4 | 1 14 | 21 15 | 0 26 | 20 34 | 1 34 | 12 28 | 14 27 | 22 20 | 22 31 | 24 44 | 9 43 | 1 30 |
| M27 | 9 54 | 1s47 | 4 44 | 15 5 | 1 6 | 11 35 | 1 17 | 21 8 | 0 48 | 5 35 | 1 28 | 22 4 | 1 14 | 21 15 | 0 26 | 20 34 | 1 34 | 12 27 | 14 27 | 22 21 | 22 31 | 24 44 | 9 43 | 1 30 |
| T 28 | 9 33 | 7 31 | 5 3 | 15 3 | 0 50 | 11 9 | 1 18 | 21 0 | 0 48 | 5 33 | 1 28 | 22 4 | 1 14 | 21 14 | 0 26 | 20 34 | 1 34 | 12 26 | 14 27 | 22 22 | 22 31 | 24 45 | 9 42 | 1 30 |
| W29 | 9 12 | 12 58 | 5 6 | 14 57 | 0 34 | 10 43 | 1 19 | 20 53 | 0 49 | 5 31 | 1 28 | 22 4 | 1 14 | 21 14 | 0 26 | 20 34 | 1 34 | 12 26 | 14 27 | 22 23 | 22 32 | 24 45 | 9 41 | 1 30 |
| T 30 | 8 50 | 17 46 | 4 49 | 14 50 | 0 19 | 10 16 | 1 20 | 20 45 | 0 50 | 5 30 | 1 28 | 22 4 | 1 14 | 21 13 | 0 26 | 20 34 | 1 34 | 12 25 | 14 27 | 22 23 | 22 32 | 24 45 | 9 41 | 1 30 |
| F 31 | 8n29 | 21s36 | 4s16 | 14n39 | 0s 5 | 9n49 | 1n21 | 20n37 | 0n50 | 5n28 | 1s29 | 22s 5 | 1n13 | 21n13 | 0n26 | 20s34 | 1n34 | 12n24 | 14n27 | 22s24 | 22s32 | 24n45 | 9n40 | 1n30 |

Julian Day Number = 2802024.5, Delta T = 50m34s
Ecliptic obliquity = 23°18'56, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°10'20, Lahiri = 37°17'21


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# ASTRODIENST EPHEMERIS for the year 2959
# geocentric

## SEPTEMBER 2959 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 41 6 | 9♍ 4'43 | 3♐38 | 21♌25 | 9♍ 7 | 1♌49 | 17°R24 | 27°D54 | 26♋20 | 12♐ 7 | 2♎11 | 15°D40 | 14♑23 | 10♊37 | 21°R18 | S 1 |
| S 2 | 22 45 2 | 10° 2'25 | 17°47 | 22°54 | 10°21 | 2°29 | 17♈20 | 27♐54 | 26°23 | 12° 7 | 2°13 | 15♑40 | 14°20 | 10°43 | 21♈16 | S 2 |
| M 3 | 22 48 59 | 11° 0'08 | 1♑55 | 24°27 | 11°35 | 3° 8 | 17°15 | 27°54 | 26°26 | 12° 7 | 2°15 | 15°41 | 14°17 | 10°50 | 21°15 | M 3 |
| T 4 | 22 52 56 | 11°57'51 | 15°59 | 26° 5 | 12°49 | 3°47 | 17°10 | 27°54 | 26°29 | 12° 7 | 2°17 | 15°R42 | 14°14 | 10°57 | 21°13 | T 4 |
| W 5 | 22 56 52 | 12°55'36 | 29°58 | 27°47 | 14° 4 | 4°26 | 17° 4 | 27°54 | 26°32 | 12° 8 | 2°19 | 15°41 | 14°11 | 11° 3 | 21°11 | W 5 |
| T 6 | 23 0 49 | 13°53'22 | 13♒51 | 29°32 | 15°18 | 5° 5 | 16°59 | 27°55 | 26°34 | 12° 8 | 2°21 | 15°38 | 14° 7 | 11°10 | 21° 9 | T 6 |
| F 7 | 23 4 45 | 14°51'08 | 27°35 | 1♍20 | 16°32 | 5°44 | 16°53 | 27°55 | 26°37 | 12° 9 | 2°23 | 15°32 | 14° 4 | 11°17 | 21° 7 | F 7 |
| S 8 | 23 8 42 | 15°48'56 | 11♓ 7 | 3°11 | 17°46 | 6°23 | 16°48 | 27°56 | 26°40 | 12° 9 | 2°26 | 15°24 | 14° 1 | 11°23 | 21° 5 | S 8 |
| S 9 | 23 12 38 | 16°46'46 | 24°25 | 5° 4 | 19° 1 | 7° 2 | 16°42 | 27°57 | 26°42 | 12°10 | 2°28 | 15°15 | 13°58 | 11°30 | 21° 2 | S 9 |
| M10 | 23 16 35 | 17°44'37 | 7♈27 | 6°59 | 20°15 | 7°41 | 16°36 | 27°58 | 26°45 | 12°10 | 2°30 | 15° 4 | 13°55 | 11°37 | 21° 0 | M10 |
| T 11 | 23 20 31 | 18°42'29 | 20°11 | 8°55 | 21°29 | 8°19 | 16°30 | 27°59 | 26°47 | 12°11 | 2°32 | 14°53 | 13°52 | 11°43 | 20°58 | T 11 |
| W12 | 23 24 28 | 19°40'23 | 2♉39 | 10°52 | 22°43 | 8°58 | 16°24 | 28° 0 | 26°50 | 12°11 | 2°34 | 14°44 | 13°48 | 11°50 | 20°56 | W12 |
| T 13 | 23 28 24 | 20°38'19 | 14°52 | 12°50 | 23°58 | 9°37 | 16°17 | 28° 1 | 26°52 | 12°12 | 2°36 | 14°36 | 13°45 | 11°57 | 20°54 | T 13 |
| F 14 | 23 32 21 | 21°36'16 | 26°53 | 14°48 | 25°12 | 10°15 | 16°11 | 28° 2 | 26°55 | 12°13 | 2°38 | 14°31 | 13°42 | 12° 3 | 20°51 | F 14 |
| S 15 | 23 36 18 | 22°34'15 | 8♊45 | 16°47 | 26°26 | 10°54 | 16° 4 | 28° 3 | 26°57 | 12°13 | 2°40 | 14°28 | 13°39 | 12°10 | 20°49 | S 15 |
| S 16 | 23 40 14 | 23°32'16 | 20°34 | 18°45 | 27°41 | 11°32 | 15°57 | 28° 5 | 27° 0 | 12°14 | 2°42 | 14°D27 | 13°36 | 12°17 | 20°47 | S 16 |
| M17 | 23 44 11 | 24°30'19 | 2♋25 | 20°43 | 28°55 | 12°11 | 15°51 | 28° 6 | 27° 2 | 12°15 | 2°45 | 14°27 | 13°32 | 12°23 | 20°44 | M17 |
| T 18 | 23 48 7 | 25°28'24 | 14°24 | 22°40 | 0♎10 | 12°49 | 15°44 | 28° 8 | 27° 4 | 12°16 | 2°47 | 14°R27 | 13°29 | 12°30 | 20°42 | T 18 |
| W19 | 23 52 4 | 26°26'31 | 26°35 | 24°37 | 1°24 | 13°27 | 15°36 | 28° 9 | 27° 7 | 12°17 | 2°49 | 14°27 | 13°26 | 12°37 | 20°40 | W19 |
| T 20 | 23 56 0 | 27°24'39 | 9♌ 3 | 26°32 | 2°38 | 14° 5 | 15°29 | 28°11 | 27° 9 | 12°17 | 2°51 | 14°24 | 13°23 | 12°43 | 20°37 | T 20 |
| F 21 | 23 59 57 | 28°22'49 | 21°52 | 28°27 | 3°53 | 14°44 | 15°22 | 28°13 | 27°11 | 12°18 | 2°53 | 14°19 | 13°20 | 12°50 | 20°35 | F 21 |
| S 22 | 0 3 53 | 29°21'02 | 5♍ 4 | 0♎21 | 5° 7 | 15°22 | 15°15 | 28°15 | 27°13 | 12°19 | 2°55 | 14°12 | 13°17 | 12°57 | 20°32 | S 22 |
| S 23 | 0 7 50 | 0♎19'15 | 18°40 | 2°14 | 6°22 | 16° 0 | 15° 7 | 28°17 | 27°15 | 12°20 | 2°58 | 14° 2 | 13°13 | 13° 3 | 20°30 | S 23 |
| M24 | 0 11 47 | 1°17'31 | 2♎36 | 4° 6 | 7°36 | 16°38 | 15° 0 | 28°19 | 27°17 | 12°21 | 3° 0 | 13°51 | 13°10 | 13°10 | 20°27 | M24 |
| T 25 | 0 15 43 | 2°15'48 | 16°50 | 5°57 | 8°51 | 17°16 | 14°52 | 28°21 | 27°19 | 12°22 | 3° 2 | 13°39 | 13° 7 | 13°17 | 20°25 | T 25 |
| W26 | 0 19 40 | 3°14'07 | 1♏14 | 7°47 | 10° 5 | 17°53 | 14°44 | 28°24 | 27°21 | 12°23 | 3° 4 | 13°29 | 13° 4 | 13°23 | 20°22 | W26 |
| T 27 | 0 23 36 | 4°12'28 | 15°43 | 9°36 | 11°20 | 18°31 | 14°37 | 28°26 | 27°23 | 12°24 | 3° 6 | 13°20 | 13° 1 | 13°30 | 20°20 | T 27 |
| F 28 | 0 27 33 | 5°10'50 | 0♐11 | 11°23 | 12°34 | 19° 9 | 14°29 | 28°29 | 27°25 | 12°25 | 3° 8 | 13°14 | 12°58 | 13°37 | 20°17 | F 28 |
| S 29 | 0 31 29 | 6° 9'14 | 14°33 | 13°10 | 13°48 | 19°46 | 14°21 | 28°31 | 27°27 | 12°26 | 3°11 | 13°11 | 12°54 | 13°43 | 20°14 | S 29 |
| S 30 | 0 35 26 | 7♎ 7'39 | 28♐46 | 14♎55 | 15♎ 3 | 20♌24 | 14♈13 | 28♐34 | 27♋28 | 12♐28 | 3♎13 | 13♑ 9 | 12♑51 | 13♊50 | 20♈12 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 8n 7 | 24s 8 | 3s26 | 14n25 | 0n 8 | 9n22 | 1n21 | 20n29 | 0n51 | 5n26 | 1s29 | 22s 5 | 1n13 | 21n12 | 0n26 | 20s34 | 1n34 | 12n23 | 14n26 | 22s24 | 22s33 | 24n46 | 9n39 | 1n30 |
| S 2 | 7 46 | 25 9 | 2 24 | 14 9 | 0 21 | 8 55 | 1 22 | 20 21 | 0 52 | 5 24 | 1 29 | 22 5 | 1 13 | 21 12 | 0 26 | 20 35 | 1 34 | 12 22 | 14 26 | 22 24 | 22 33 | 24 46 | 9 39 | 1 30 |
| M 3 | 7 24 | 24 31 | 1 13 | 13 50 | 0 33 | 8 27 | 1 23 | 20 12 | 0 52 | 5 22 | 1 29 | 22 5 | 1 13 | 21 11 | 0 26 | 20 35 | 1 34 | 12 21 | 14 26 | 22 24 | 22 33 | 24 46 | 9 38 | 1 30 |
| T 4 | 7 2 | 22 20 | 0n 2 | 13 28 | 0 45 | 8 0 | 1 23 | 20 4 | 0 53 | 5 20 | 1 30 | 22 5 | 1 13 | 21 11 | 0 26 | 20 35 | 1 34 | 12 20 | 14 26 | 22 24 | 22 34 | 24 46 | 9 37 | 1 30 |
| W 5 | 6 40 | 18 49 | 1 16 | 13 3 | 0 55 | 7 32 | 1 24 | 19 55 | 0 54 | 5 17 | 1 30 | 22 6 | 1 12 | 21 10 | 0 26 | 20 35 | 1 34 | 12 19 | 14 26 | 22 24 | 22 34 | 24 46 | 9 36 | 1 30 |
| T 6 | 6 18 | 14 16 | 2 25 | 12 35 | 1 4 | 7 3 | 1 24 | 19 46 | 0 54 | 5 15 | 1 30 | 22 6 | 1 12 | 21 10 | 0 26 | 20 35 | 1 34 | 12 18 | 14 26 | 22 24 | 22 34 | 24 47 | 9 36 | 1 30 |
| F 7 | 5 56 | 9 3 | 3 24 | 12 5 | 1 13 | 6 35 | 1 24 | 19 38 | 0 55 | 5 13 | 1 30 | 22 6 | 1 12 | 21 9 | 0 26 | 20 35 | 1 34 | 12 17 | 14 26 | 22 25 | 22 35 | 24 47 | 9 35 | 1 30 |
| S 8 | 5 34 | 3 28 | 4 12 | 11 32 | 1 20 | 6 7 | 1 25 | 19 29 | 0 55 | 5 11 | 1 30 | 22 6 | 1 12 | 21 9 | 0 26 | 20 35 | 1 34 | 12 17 | 14 26 | 22 26 | 22 35 | 24 47 | 9 34 | 1 30 |
| S 9 | 5 12 | 2n 9 | 4 44 | 10 57 | 1 27 | 5 38 | 1 25 | 19 19 | 0 56 | 5 8 | 1 31 | 22 6 | 1 12 | 21 8 | 0 26 | 20 35 | 1 33 | 12 16 | 14 26 | 22 27 | 22 35 | 24 47 | 9 33 | 1 30 |
| M10 | 4 49 | 7 33 | 5 1 | 10 20 | 1 32 | 5 9 | 1 25 | 19 10 | 0 57 | 5 6 | 1 31 | 22 7 | 1 11 | 21 8 | 0 26 | 20 35 | 1 33 | 12 15 | 14 26 | 22 28 | 22 36 | 24 47 | 9 32 | 1 30 |
| T 11 | 4 27 | 12 31 | 5 2 | 9 41 | 1 37 | 4 40 | 1 25 | 19 1 | 0 57 | 5 3 | 1 31 | 22 7 | 1 11 | 21 7 | 0 26 | 20 36 | 1 33 | 12 14 | 14 26 | 22 29 | 22 36 | 24 48 | 9 32 | 1 30 |
| W12 | 4 4 | 16 51 | 4 49 | 9 0 | 1 40 | 4 11 | 1 25 | 18 51 | 0 58 | 5 1 | 1 31 | 22 7 | 1 11 | 21 7 | 0 26 | 20 36 | 1 33 | 12 13 | 14 26 | 22 30 | 22 36 | 24 48 | 9 31 | 1 30 |
| T 13 | 3 41 | 20 24 | 4 23 | 8 18 | 1 43 | 3 41 | 1 25 | 18 42 | 0 59 | 4 58 | 1 31 | 22 7 | 1 11 | 21 6 | 0 26 | 20 36 | 1 33 | 12 12 | 14 26 | 22 31 | 22 37 | 24 48 | 9 30 | 1 29 |
| F 14 | 3 19 | 23 0 | 3 45 | 7 34 | 1 45 | 3 12 | 1 25 | 18 32 | 0 59 | 4 55 | 1 31 | 22 7 | 1 11 | 21 6 | 0 26 | 20 36 | 1 33 | 12 11 | 14 26 | 22 32 | 22 37 | 24 48 | 9 29 | 1 29 |
| S 15 | 2 56 | 24 35 | 2 58 | 6 49 | 1 46 | 2 42 | 1 25 | 18 22 | 1 0 | 4 53 | 1 32 | 22 8 | 1 11 | 21 5 | 0 26 | 20 36 | 1 33 | 12 10 | 14 25 | 22 32 | 22 37 | 24 48 | 9 28 | 1 29 |
| S 16 | 2 33 | 25 2 | 2 4 | 6 4 | 1 46 | 2 13 | 1 24 | 18 12 | 1 1 | 4 50 | 1 32 | 22 8 | 1 10 | 21 5 | 0 26 | 20 36 | 1 33 | 12 10 | 14 25 | 22 32 | 22 38 | 24 48 | 9 27 | 1 29 |
| M17 | 2 10 | 24 21 | 1 4 | 5 17 | 1 46 | 1 43 | 1 24 | 18 2 | 1 1 | 4 47 | 1 32 | 22 8 | 1 10 | 21 5 | 0 26 | 20 36 | 1 33 | 12 9 | 14 25 | 22 32 | 22 38 | 24 48 | 9 26 | 1 29 |
| T 18 | 1 47 | 22 33 | 0 0 | 4 30 | 1 45 | 1 13 | 1 24 | 17 52 | 1 2 | 4 44 | 1 32 | 22 8 | 1 10 | 21 4 | 0 27 | 20 37 | 1 33 | 12 8 | 14 25 | 22 32 | 22 38 | 24 49 | 9 25 | 1 29 |
| W19 | 1 24 | 19 41 | 1s 4 | 3 43 | 1 43 | 0 43 | 1 23 | 17 42 | 1 2 | 4 42 | 1 32 | 22 8 | 1 10 | 21 4 | 0 27 | 20 37 | 1 33 | 12 7 | 14 25 | 22 32 | 22 38 | 24 49 | 9 24 | 1 29 |
| T 20 | 1 1 | 15 52 | 2 7 | 2 55 | 1 41 | 0 13 | 1 23 | 17 31 | 1 3 | 4 39 | 1 32 | 22 9 | 1 10 | 21 3 | 0 27 | 20 37 | 1 33 | 12 6 | 14 25 | 22 32 | 22 39 | 24 49 | 9 23 | 1 29 |
| F 21 | 0 38 | 11 14 | 3 5 | 2 7 | 1 38 | 0s17 | 1 22 | 17 21 | 1 4 | 4 36 | 1 32 | 22 9 | 1 9 | 21 3 | 0 27 | 20 37 | 1 33 | 12 5 | 14 25 | 22 33 | 22 39 | 24 49 | 9 23 | 1 29 |
| S 22 | 0 15 | 5 58 | 3 54 | 1 19 | 1 35 | 0 46 | 1 22 | 17 10 | 1 4 | 4 33 | 1 33 | 22 9 | 1 9 | 21 3 | 0 27 | 20 37 | 1 33 | 12 5 | 14 25 | 22 34 | 22 39 | 24 49 | 9 22 | 1 29 |
| S 23 | 0s 8 | 0 17 | 4 32 | 0 30 | 1 31 | 1 16 | 1 21 | 17 0 | 1 5 | 4 30 | 1 33 | 22 9 | 1 9 | 21 2 | 0 27 | 20 37 | 1 33 | 12 4 | 14 26 | 22 35 | 22 40 | 24 49 | 9 21 | 1 29 |
| M24 | 0 31 | 5s33 | 4 55 | 0s18 | 1 27 | 1 46 | 1 20 | 16 49 | 1 6 | 4 27 | 1 33 | 22 9 | 1 9 | 21 2 | 0 27 | 20 38 | 1 33 | 12 3 | 14 26 | 22 36 | 22 40 | 24 49 | 9 20 | 1 29 |
| T 25 | 0 54 | 11 12 | 5 0 | 1 6 | 1 22 | 2 16 | 1 19 | 16 38 | 1 6 | 4 24 | 1 33 | 22 10 | 1 9 | 21 2 | 0 27 | 20 38 | 1 33 | 12 2 | 14 26 | 22 37 | 22 40 | 24 49 | 9 19 | 1 29 |
| W26 | 1 17 | 16 19 | 4 47 | 1 53 | 1 17 | 2 46 | 1 18 | 16 27 | 1 7 | 4 21 | 1 33 | 22 10 | 1 8 | 21 1 | 0 27 | 20 38 | 1 33 | 12 1 | 14 26 | 22 38 | 22 41 | 24 49 | 9 18 | 1 29 |
| T 27 | 1 40 | 20 31 | 4 15 | 2 41 | 1 12 | 3 16 | 1 17 | 16 16 | 1 7 | 4 18 | 1 33 | 22 10 | 1 8 | 21 1 | 0 27 | 20 38 | 1 33 | 12 1 | 14 26 | 22 39 | 22 41 | 24 49 | 9 17 | 1 29 |
| F 28 | 2 3 | 23 27 | 3 26 | 3 28 | 1 7 | 3 46 | 1 16 | 16 5 | 1 8 | 4 15 | 1 33 | 22 10 | 1 8 | 21 0 | 0 27 | 20 38 | 1 32 | 12 0 | 14 26 | 22 40 | 22 41 | 24 49 | 9 15 | 1 29 |
| S 29 | 2 26 | 24 50 | 2 25 | 4 14 | 1 1 | 4 16 | 1 15 | 15 54 | 1 9 | 4 12 | 1 33 | 22 11 | 1 8 | 21 0 | 0 27 | 20 39 | 1 32 | 11 59 | 14 26 | 22 40 | 22 42 | 24 50 | 9 14 | 1 29 |
| S 30 | 2s49 | 24s34 | 1s15 | 5s 0 | 0n55 | 4s45 | 1n14 | 15n43 | 1n 9 | 4n 9 | 1s33 | 22s11 | 1n 8 | 21n 0 | 0n27 | 20s39 | 1n32 | 11n58 | 14n26 | 22s40 | 22s42 | 24n50 | 9n13 | 1n29 |

Julian Day Number = 2802055.5, Delta T = 50m35s
Ecliptic obliquity = 23°18'56, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°10'24, Lahiri = 37°17'25


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# ASTRODIENST EPHEMERIS for the year 2959
# geocentric

## OCTOBER 2959 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 0 39 22 | 8♎ 6'06 | 12♉48 | 16♎39 | 16♎17 | 21♌ 1 | 14°R 5 | 28♐37 | 27♋30 | 12♐29 | 3♎15 | 13°R 9 | 12♉48 | 13♊57 | 20°R 9 | M 1 |
| T 2 | 0 43 19 | 9° 4'35 | 26°40 | 18°22 | 17°32 | 21°39 | 13♈57 | 28°40 | 27°32 | 12°30 | 3°17 | 13♉ 9 | 12°45 | 14° 3 | 20♈ 6 | T 2 |
| W 3 | 0 47 16 | 10° 3'04 | 10♒20 | 20° 4 | 18°46 | 22°16 | 13°49 | 28°43 | 27°33 | 12°31 | 3°19 | 13° 7 | 12°42 | 14°10 | 20° 4 | W 3 |
| T 4 | 0 51 12 | 11° 1'36 | 23°51 | 21°46 | 20° 1 | 22°54 | 13°41 | 28°46 | 27°35 | 12°32 | 3°21 | 13° 3 | 12°38 | 14°17 | 20° 1 | T 4 |
| F 5 | 0 55 9 | 12° 0'09 | 7♓11 | 23°26 | 21°15 | 23°31 | 13°33 | 28°49 | 27°36 | 12°34 | 3°24 | 12°56 | 12°35 | 14°23 | 19°58 | F 5 |
| S 6 | 0 59 5 | 12°58'43 | 20°20 | 25° 5 | 22°30 | 24° 8 | 13°25 | 28°52 | 27°38 | 12°35 | 3°26 | 12°46 | 12°32 | 14°30 | 19°56 | S 6 |
| S 7 | 1 3 2 | 13°57'20 | 3♈18 | 26°43 | 23°44 | 24°45 | 13°17 | 28°55 | 27°39 | 12°36 | 3°28 | 12°33 | 12°29 | 14°37 | 19°53 | S 7 |
| M 8 | 1 6 58 | 14°55'58 | 16° 2 | 28°20 | 24°59 | 25°22 | 13° 9 | 28°59 | 27°41 | 12°38 | 3°30 | 12°20 | 12°26 | 14°43 | 19°50 | M 8 |
| T 9 | 1 10 55 | 15°54'38 | 28°34 | 29°56 | 26°13 | 25°59 | 13° 1 | 29° 2 | 27°42 | 12°39 | 3°32 | 12° 7 | 12°23 | 14°50 | 19°48 | T 9 |
| W10 | 1 14 51 | 16°53'20 | 10♉53 | 1♏31 | 27°28 | 26°36 | 12°53 | 29° 6 | 27°43 | 12°41 | 3°34 | 11°55 | 12°19 | 14°57 | 19°45 | W10 |
| T 11 | 1 18 48 | 17°52'04 | 22°59 | 3° 5 | 28°42 | 27°13 | 12°45 | 29°10 | 27°45 | 12°42 | 3°36 | 11°45 | 12°16 | 15° 3 | 19°42 | T 11 |
| F 12 | 1 22 45 | 18°50'51 | 4♊56 | 4°38 | 29°57 | 27°49 | 12°37 | 29°13 | 27°46 | 12°44 | 3°38 | 11°37 | 12°13 | 15°10 | 19°39 | F 12 |
| S 13 | 1 26 41 | 19°49'39 | 16°46 | 6°11 | 1♏12 | 28°26 | 12°30 | 29°17 | 27°47 | 12°45 | 3°41 | 11°33 | 12°10 | 15°17 | 19°37 | S 13 |
| S 14 | 1 30 38 | 20°48'30 | 28°34 | 7°42 | 2°26 | 29° 3 | 12°22 | 29°21 | 27°48 | 12°47 | 3°43 | 11°30 | 12° 7 | 15°23 | 19°34 | S 14 |
| M15 | 1 34 34 | 21°47'23 | 10♋23 | 9°13 | 3°41 | 29°39 | 12°14 | 29°25 | 27°49 | 12°48 | 3°45 | 11°D30 | 12° 4 | 15°30 | 19°31 | M15 |
| T 16 | 1 38 31 | 22°46'18 | 22°20 | 10°42 | 4°55 | 0♍16 | 12° 6 | 29°29 | 27°50 | 12°50 | 3°47 | 11°R30 | 12° 0 | 15°37 | 19°28 | T 16 |
| W17 | 1 42 27 | 23°45'15 | 4♌29 | 12°11 | 6°10 | 0°52 | 11°58 | 29°33 | 27°51 | 12°51 | 3°49 | 11°29 | 11°57 | 15°43 | 19°26 | W17 |
| T 18 | 1 46 24 | 24°44'15 | 16°57 | 13°39 | 7°24 | 1°29 | 11°51 | 29°37 | 27°52 | 12°53 | 3°51 | 11°28 | 11°54 | 15°50 | 19°23 | T 18 |
| F 19 | 1 50 20 | 25°43'17 | 29°47 | 15° 6 | 8°39 | 2° 5 | 11°43 | 29°42 | 27°53 | 12°55 | 3°53 | 11°23 | 11°51 | 15°57 | 19°20 | F 19 |
| S 20 | 1 54 17 | 26°42'20 | 13♍ 4 | 16°32 | 9°53 | 2°41 | 11°36 | 29°46 | 27°53 | 12°56 | 3°55 | 11°17 | 11°48 | 16° 3 | 19°18 | S 20 |
| S 21 | 1 58 14 | 27°41'27 | 26°49 | 17°57 | 11° 8 | 3°17 | 11°28 | 29°51 | 27°54 | 12°58 | 3°57 | 11° 8 | 11°44 | 16°10 | 19°15 | S 21 |
| M22 | 2 2 10 | 28°40'35 | 10♎59 | 19°21 | 12°22 | 3°53 | 11°21 | 29°55 | 27°55 | 13° 0 | 3°59 | 10°57 | 11°41 | 16°17 | 19°12 | M22 |
| T 23 | 2 6 7 | 29°39'45 | 25°32 | 20°44 | 13°37 | 4°29 | 11°14 | 29°59 | 27°55 | 13° 1 | 4° 1 | 10°46 | 11°38 | 16°23 | 19°10 | T 23 |
| W24 | 2 10 3 | 0♏38'58 | 10♏19 | 22° 6 | 14°52 | 5° 5 | 11° 7 | 0♉ 4 | 27°56 | 13° 3 | 4° 3 | 10°36 | 11°35 | 16°30 | 19° 7 | W24 |
| T 25 | 2 14 0 | 1°38'12 | 25°13 | 23°27 | 16° 6 | 5°41 | 11° 0 | 0° 9 | 27°57 | 13° 5 | 4° 5 | 10°27 | 11°32 | 16°37 | 19° 4 | T 25 |
| F 26 | 2 17 56 | 2°37'28 | 10♐ 5 | 24°47 | 17°21 | 6°16 | 10°53 | 0°14 | 27°57 | 13° 7 | 4° 7 | 10°21 | 11°29 | 16°43 | 19° 2 | F 26 |
| S 27 | 2 21 53 | 3°36'47 | 24°47 | 26° 6 | 18°35 | 6°52 | 10°46 | 0°19 | 27°57 | 13° 9 | 4° 9 | 10°18 | 11°25 | 16°50 | 18°59 | S 27 |
| S 28 | 2 25 49 | 4°36'06 | 9♉15 | 27°24 | 19°50 | 7°28 | 10°39 | 0°24 | 27°58 | 13°10 | 4°11 | 10°D17 | 11°22 | 16°57 | 18°56 | S 28 |
| M29 | 2 29 46 | 5°35'28 | 23°24 | 28°40 | 21° 4 | 8° 3 | 10°33 | 0°29 | 27°58 | 13°12 | 4°13 | 10°18 | 11°19 | 17° 3 | 18°54 | M29 |
| T 30 | 2 33 43 | 6°34'51 | 7♒16 | 29°55 | 22°19 | 8°38 | 10°26 | 0°34 | 27°58 | 13°14 | 4°15 | 10°R18 | 11°16 | 17°10 | 18°51 | T 30 |
| W31 | 2 37 39 | 7♏34'16 | 20♒49 | 1♐ 8 | 23♏34 | 9♍14 | 10♈20 | 0♉39 | 27♋58 | 13♐16 | 4♎17 | 10♉17 | 11♉13 | 17♊17 | 18♈49 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 3s12 | 22s44 | 0s 2 | 5s46 | 0n48 | 5s15 | 1n13 | 15n31 | 1n10 | 4n 6 | 1s33 | 22s11 | 1n 8 | 21n 0 | 0n27 | 20s39 | 1n32 | 11n57 | 14n26 | 22s40 | 22s42 | 24n50 | 9n12 | 1n29 |
| T 2 | 3 35 | 19 33 | 1n11 | 6 31 | 0 42 | 5 44 | 1 12 | 15 20 | 1 11 | 4 3 | 1 33 | 22 11 | 1 7 | 20 59 | 0 27 | 20 39 | 1 32 | 11 57 | 14 26 | 22 40 | 22 43 | 24 50 | 9 11 | 1 29 |
| W 3 | 3 58 | 15 20 | 2 18 | 7 16 | 0 35 | 6 14 | 1 11 | 15 8 | 1 11 | 3 59 | 1 33 | 22 11 | 1 7 | 20 59 | 0 27 | 20 39 | 1 32 | 11 56 | 14 26 | 22 40 | 22 43 | 24 50 | 9 10 | 1 29 |
| T 4 | 4 20 | 10 24 | 3 17 | 8 0 | 0 29 | 6 43 | 1 9 | 14 57 | 1 12 | 3 56 | 1 33 | 22 12 | 1 7 | 20 59 | 0 27 | 20 40 | 1 32 | 11 55 | 14 26 | 22 41 | 22 43 | 24 50 | 9 9 | 1 28 |
| F 5 | 4 43 | 5 2 | 4 4 | 8 43 | 0 22 | 7 12 | 1 8 | 14 45 | 1 12 | 3 53 | 1 33 | 22 12 | 1 7 | 20 58 | 0 27 | 20 40 | 1 32 | 11 54 | 14 26 | 22 41 | 22 43 | 24 50 | 9 8 | 1 28 |
| S 6 | 5 6 | 0n27 | 4 38 | 9 26 | 0 15 | 7 41 | 1 6 | 14 34 | 1 13 | 3 50 | 1 33 | 22 12 | 1 7 | 20 58 | 0 27 | 20 40 | 1 32 | 11 54 | 14 27 | 22 42 | 22 44 | 24 50 | 9 7 | 1 28 |
| S 7 | 5 29 | 5 50 | 4 56 | 10 8 | 0 8 | 8 10 | 1 5 | 14 22 | 1 14 | 3 47 | 1 33 | 22 12 | 1 7 | 20 58 | 0 27 | 20 40 | 1 32 | 11 53 | 14 27 | 22 44 | 22 44 | 24 50 | 9 6 | 1 28 |
| M 8 | 5 51 | 10 53 | 4 59 | 10 49 | 0 0 | 8 38 | 1 3 | 14 10 | 1 14 | 3 44 | 1 33 | 22 12 | 1 6 | 20 58 | 0 27 | 20 40 | 1 32 | 11 52 | 14 27 | 22 45 | 22 44 | 24 50 | 9 5 | 1 28 |
| T 9 | 6 14 | 15 24 | 4 48 | 11 30 | 0s 7 | 9 7 | 1 2 | 13 58 | 1 15 | 3 41 | 1 33 | 22 13 | 1 6 | 20 57 | 0 27 | 20 41 | 1 32 | 11 52 | 14 27 | 22 46 | 22 45 | 24 50 | 9 4 | 1 28 |
| W10 | 6 36 | 19 11 | 4 23 | 12 10 | 0 14 | 9 35 | 1 0 | 13 46 | 1 16 | 3 38 | 1 33 | 22 13 | 1 6 | 20 57 | 0 27 | 20 41 | 1 32 | 11 51 | 14 27 | 22 47 | 22 45 | 24 50 | 9 3 | 1 28 |
| T 11 | 6 59 | 22 5 | 3 47 | 12 49 | 0 21 | 10 3 | 0 58 | 13 34 | 1 16 | 3 35 | 1 33 | 22 13 | 1 6 | 20 57 | 0 27 | 20 41 | 1 32 | 11 50 | 14 27 | 22 48 | 22 45 | 24 50 | 9 2 | 1 28 |
| F 12 | 7 21 | 23 58 | 3 1 | 13 27 | 0 29 | 10 31 | 0 56 | 13 22 | 1 17 | 3 32 | 1 33 | 22 13 | 1 6 | 20 57 | 0 27 | 20 41 | 1 32 | 11 50 | 14 27 | 22 49 | 22 45 | 24 50 | 9 0 | 1 28 |
| S 13 | 7 43 | 24 46 | 2 7 | 14 5 | 0 36 | 10 59 | 0 55 | 13 10 | 1 17 | 3 29 | 1 33 | 22 13 | 1 6 | 20 57 | 0 27 | 20 42 | 1 32 | 11 49 | 14 28 | 22 49 | 22 46 | 24 50 | 8 59 | 1 28 |
| S 14 | 8 5 | 24 27 | 1 8 | 14 42 | 0 44 | 11 26 | 0 53 | 12 58 | 1 18 | 3 26 | 1 33 | 22 13 | 1 5 | 20 56 | 0 27 | 20 42 | 1 32 | 11 48 | 14 28 | 22 49 | 22 46 | 24 49 | 8 58 | 1 28 |
| M15 | 8 27 | 23 1 | 0 6 | 15 18 | 0 51 | 11 53 | 0 51 | 12 46 | 1 19 | 3 23 | 1 33 | 22 14 | 1 5 | 20 56 | 0 27 | 20 42 | 1 32 | 11 48 | 14 28 | 22 49 | 22 46 | 24 49 | 8 57 | 1 28 |
| T 16 | 8 49 | 20 32 | 0s57 | 15 53 | 0 58 | 12 20 | 0 49 | 12 34 | 1 19 | 3 20 | 1 33 | 22 14 | 1 5 | 20 56 | 0 27 | 20 42 | 1 32 | 11 47 | 14 28 | 22 49 | 22 47 | 24 49 | 8 56 | 1 28 |
| W17 | 9 10 | 17 7 | 1 59 | 16 27 | 1 5 | 12 46 | 0 47 | 12 21 | 1 20 | 3 17 | 1 33 | 22 14 | 1 5 | 20 56 | 0 27 | 20 42 | 1 32 | 11 46 | 14 28 | 22 49 | 22 47 | 24 49 | 8 55 | 1 28 |
| T 18 | 9 32 | 12 52 | 2 56 | 17 0 | 1 12 | 13 12 | 0 45 | 12 9 | 1 21 | 3 14 | 1 33 | 22 14 | 1 5 | 20 56 | 0 27 | 20 43 | 1 32 | 11 46 | 14 29 | 22 49 | 22 47 | 24 49 | 8 54 | 1 27 |
| F 19 | 9 53 | 7 57 | 3 47 | 17 33 | 1 20 | 13 38 | 0 43 | 11 57 | 1 21 | 3 11 | 1 33 | 22 14 | 1 5 | 20 56 | 0 27 | 20 43 | 1 32 | 11 45 | 14 29 | 22 50 | 22 47 | 24 49 | 8 53 | 1 27 |
| S 20 | 10 15 | 2 30 | 4 27 | 18 5 | 1 27 | 14 4 | 0 41 | 11 44 | 1 22 | 3 8 | 1 33 | 22 15 | 1 4 | 20 56 | 0 28 | 20 43 | 1 31 | 11 45 | 14 29 | 22 50 | 22 48 | 24 49 | 8 52 | 1 27 |
| S 21 | 10 36 | 3s13 | 4 53 | 18 35 | 1 33 | 14 29 | 0 38 | 11 32 | 1 22 | 3 5 | 1 33 | 22 15 | 1 4 | 20 55 | 0 28 | 20 43 | 1 31 | 11 44 | 14 29 | 22 51 | 22 48 | 24 49 | 8 51 | 1 27 |
| M22 | 10 57 | 8 58 | 5 2 | 19 5 | 1 40 | 14 54 | 0 36 | 11 20 | 1 23 | 3 3 | 1 33 | 22 15 | 1 4 | 20 55 | 0 28 | 20 44 | 1 31 | 11 43 | 14 30 | 22 52 | 22 48 | 24 49 | 8 49 | 1 27 |
| T 23 | 11 18 | 14 21 | 4 52 | 19 34 | 1 47 | 15 18 | 0 34 | 11 7 | 1 24 | 3 0 | 1 33 | 22 15 | 1 4 | 20 55 | 0 28 | 20 44 | 1 31 | 11 43 | 14 30 | 22 53 | 22 49 | 24 49 | 8 48 | 1 27 |
| W24 | 11 38 | 19 0 | 4 23 | 20 2 | 1 53 | 15 42 | 0 32 | 10 55 | 1 24 | 2 57 | 1 33 | 22 15 | 1 4 | 20 55 | 0 28 | 20 44 | 1 31 | 11 42 | 14 30 | 22 54 | 22 49 | 24 49 | 8 47 | 1 27 |
| T 25 | 11 59 | 22 27 | 3 35 | 20 28 | 2 0 | 16 6 | 0 29 | 10 42 | 1 25 | 2 55 | 1 32 | 22 15 | 1 4 | 20 55 | 0 28 | 20 44 | 1 31 | 11 42 | 14 30 | 22 54 | 22 49 | 24 48 | 8 46 | 1 27 |
| F 26 | 12 19 | 24 23 | 2 33 | 20 54 | 2 6 | 16 29 | 0 27 | 10 30 | 1 26 | 2 52 | 1 32 | 22 15 | 1 3 | 20 55 | 0 28 | 20 45 | 1 31 | 11 41 | 14 31 | 22 55 | 22 49 | 24 48 | 8 45 | 1 27 |
| S 27 | 12 39 | 24 34 | 1 22 | 21 19 | 2 12 | 16 52 | 0 25 | 10 17 | 1 26 | 2 49 | 1 32 | 22 16 | 1 3 | 20 55 | 0 28 | 20 45 | 1 31 | 11 41 | 14 31 | 22 55 | 22 50 | 24 48 | 8 44 | 1 27 |
| S 28 | 12 59 | 23 5 | 0 6 | 21 42 | 2 17 | 17 15 | 0 22 | 10 4 | 1 27 | 2 47 | 1 32 | 22 16 | 1 3 | 20 55 | 0 28 | 20 45 | 1 31 | 11 40 | 14 31 | 22 55 | 22 50 | 24 48 | 8 43 | 1 26 |
| M29 | 13 19 | 20 9 | 1n 9 | 22 5 | 2 23 | 17 37 | 0 20 | 9 52 | 1 28 | 2 45 | 1 32 | 22 16 | 1 3 | 20 55 | 0 28 | 20 46 | 1 31 | 11 40 | 14 31 | 22 55 | 22 50 | 24 48 | 8 42 | 1 26 |
| T 30 | 13 39 | 16 7 | 2 19 | 22 26 | 2 28 | 17 58 | 0 18 | 9 39 | 1 28 | 2 42 | 1 32 | 22 16 | 1 3 | 20 55 | 0 28 | 20 46 | 1 31 | 11 39 | 14 32 | 22 55 | 22 50 | 24 48 | 8 41 | 1 26 |
| W31 | 13s58 | 11s20 | 3n19 | 22s47 | 2s33 | 18s19 | 0n15 | 9n27 | 1n29 | 2n40 | 1s32 | 22s16 | 1n 3 | 20n55 | 0n28 | 20s46 | 1n31 | 11n39 | 14n32 | 22s55 | 22s51 | 24n48 | 8n40 | 1n26 |

Julian Day Number = 2802085.5, Delta T = 50m36s
Ecliptic obliquity = 23°18'56, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°10'28, Lahiri = 37°17'29


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# ASTRODIENST EPHEMERIS for the year 2959
# geocentric

## NOVEMBER 2959 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 41 36 | 8♏33'43 | 4♓ 7 | 2♐20 | 24♏48 | 9♍49 | 10°R14 | 0♑44 | 27♋59 | 13♐18 | 4♎19 | 10°R14 | 11♑10 | 17♊23 | 18°R46 | T 1 |
| F 2 | 2 45 32 | 9°33'11 | 17° 9 | 3°29 | 26° 3 | 10°24 | 10♈ 8 | 0°49 | 27°59 | 13°20 | 4°20 | 10♑ 9 | 11° 6 | 17°30 | 18♈44 | F 2 |
| S 3 | 2 49 29 | 10°32'41 | 29°59 | 4°37 | 27°17 | 10°59 | 10° 2 | 0°55 | 27°R59 | 13°22 | 4°22 | 10° 1 | 11° 3 | 17°36 | 18°41 | S 3 |
| S 4 | 2 53 25 | 11°32'12 | 12♈37 | 5°43 | 28°32 | 11°34 | 9°56 | 1° 0 | 27°59 | 13°24 | 4°24 | 9°51 | 11° 0 | 17°43 | 18°39 | S 4 |
| M 5 | 2 57 22 | 12°31'46 | 25° 4 | 6°47 | 29°46 | 12° 9 | 9°51 | 1° 5 | 27°59 | 13°26 | 4°26 | 9°41 | 10°57 | 17°50 | 18°36 | M 5 |
| T 6 | 3 1 18 | 13°31'21 | 7♉21 | 7°48 | 1♐ 1 | 12°43 | 9°45 | 1°11 | 27°58 | 13°28 | 4°28 | 9°30 | 10°54 | 17°56 | 18°34 | T 6 |
| W 7 | 3 5 15 | 14°30'59 | 19°28 | 8°46 | 2°16 | 13°18 | 9°40 | 1°16 | 27°58 | 13°30 | 4°29 | 9°20 | 10°50 | 18° 3 | 18°31 | W 7 |
| T 8 | 3 9 11 | 15°30'38 | 1♊27 | 9°41 | 3°30 | 13°53 | 9°35 | 1°22 | 27°58 | 13°32 | 4°31 | 9°12 | 10°47 | 18°10 | 18°29 | T 8 |
| F 9 | 3 13 8 | 16°30'20 | 13°19 | 10°33 | 4°45 | 14°27 | 9°30 | 1°28 | 27°58 | 13°34 | 4°33 | 9° 6 | 10°44 | 18°16 | 18°27 | F 9 |
| S 10 | 3 17 5 | 17°30'03 | 25° 7 | 11°21 | 5°59 | 15° 1 | 9°25 | 1°34 | 27°57 | 13°36 | 4°35 | 9° 3 | 10°41 | 18°23 | 18°24 | S 10 |
| S 11 | 3 21 1 | 18°29'49 | 6♋54 | 12° 5 | 7°14 | 15°36 | 9°21 | 1°39 | 27°57 | 13°38 | 4°36 | 9°D 1 | 10°38 | 18°30 | 18°22 | S 11 |
| M12 | 3 24 58 | 19°29'37 | 18°43 | 12°44 | 8°28 | 16°10 | 9°16 | 1°45 | 27°57 | 13°40 | 4°38 | 9° 2 | 10°35 | 18°36 | 18°20 | M12 |
| T 13 | 3 28 54 | 20°29'26 | 0♌38 | 13°18 | 9°43 | 16°44 | 9°12 | 1°51 | 27°56 | 13°42 | 4°40 | 9° 3 | 10°31 | 18°43 | 18°18 | T 13 |
| W14 | 3 32 51 | 21°29'18 | 12°46 | 13°47 | 10°57 | 17°18 | 9° 8 | 1°57 | 27°56 | 13°44 | 4°41 | 9° 4 | 10°28 | 18°50 | 18°16 | W14 |
| T 15 | 3 36 47 | 22°29'12 | 25°10 | 14° 9 | 12°12 | 17°52 | 9° 4 | 2° 3 | 27°55 | 13°46 | 4°43 | 9°R 5 | 10°25 | 18°56 | 18°13 | T 15 |
| F 16 | 3 40 44 | 23°29'09 | 7♍57 | 14°24 | 13°26 | 18°26 | 9° 0 | 2° 9 | 27°54 | 13°49 | 4°44 | 9° 3 | 10°22 | 19° 3 | 18°11 | F 16 |
| S 17 | 3 44 40 | 24°29'07 | 21° 9 | 14°R32 | 14°41 | 18°59 | 8°57 | 2°15 | 27°54 | 13°51 | 4°46 | 9° 0 | 10°19 | 19°10 | 18° 9 | S 17 |
| S 18 | 3 48 37 | 25°29'07 | 4♎50 | 14°32 | 15°56 | 19°33 | 8°54 | 2°21 | 27°53 | 13°53 | 4°48 | 8°55 | 10°15 | 19°16 | 18° 7 | S 18 |
| M19 | 3 52 34 | 26°29'10 | 19° 0 | 14°23 | 17°10 | 20° 6 | 8°51 | 2°27 | 27°52 | 13°55 | 4°49 | 8°49 | 10°12 | 19°23 | 18° 5 | M19 |
| T 20 | 3 56 30 | 27°29'14 | 3♏37 | 14° 4 | 18°25 | 20°40 | 8°48 | 2°34 | 27°51 | 13°57 | 4°51 | 8°43 | 10° 9 | 19°30 | 18° 3 | T 20 |
| W21 | 4 0 27 | 28°29'21 | 18°34 | 13°37 | 19°39 | 21°13 | 8°45 | 2°40 | 27°50 | 13°59 | 4°52 | 8°36 | 10° 6 | 19°36 | 18° 1 | W21 |
| T 22 | 4 4 23 | 29°29'29 | 3♐43 | 12°59 | 20°54 | 21°46 | 8°42 | 2°46 | 27°49 | 14° 2 | 4°53 | 8°31 | 10° 3 | 19°43 | 17°59 | T 22 |
| F 23 | 4 8 20 | 0♐29'39 | 18°53 | 12°11 | 22° 8 | 22°19 | 8°40 | 2°53 | 27°48 | 14° 4 | 4°55 | 8°28 | 10° 0 | 19°50 | 17°58 | F 23 |
| S 24 | 4 12 16 | 1°29'51 | 3♑56 | 11°15 | 23°23 | 22°52 | 8°38 | 2°59 | 27°47 | 14° 6 | 4°56 | 8°D27 | 9°56 | 19°56 | 17°56 | S 24 |
| S 25 | 4 16 13 | 2°30'05 | 18°43 | 10°10 | 24°37 | 23°25 | 8°36 | 3° 5 | 27°46 | 14° 8 | 4°58 | 8°27 | 9°53 | 20° 3 | 17°54 | S 25 |
| M26 | 4 20 10 | 3°30'20 | 3♒ 9 | 8°58 | 25°52 | 23°58 | 8°34 | 3°12 | 27°45 | 14°10 | 4°59 | 8°28 | 9°50 | 20°10 | 17°52 | M26 |
| T 27 | 4 24 6 | 4°30'36 | 17°12 | 7°41 | 27° 6 | 24°30 | 8°33 | 3°18 | 27°44 | 14°13 | 5° 0 | 8°30 | 9°47 | 20°16 | 17°51 | T 27 |
| W28 | 4 28 3 | 5°30'53 | 0♓50 | 6°21 | 28°21 | 25° 2 | 8°32 | 3°25 | 27°42 | 14°15 | 5° 2 | 8°R31 | 9°44 | 20°23 | 17°49 | W28 |
| T 29 | 4 31 59 | 6°31'12 | 14° 6 | 5° 1 | 29°35 | 25°35 | 8°31 | 3°32 | 27°41 | 14°17 | 5° 3 | 8°30 | 9°41 | 20°30 | 17°47 | T 29 |
| F 30 | 4 35 56 | 7♐31'32 | 27♓ 2 | 3♐43 | 0♑50 | 26♍ 7 | 8♈30 | 3♑38 | 27♋40 | 14♐19 | 5♎ 4 | 8♑29 | 9♑37 | 20♊36 | 17♈46 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s17 | 6s 7 | 4n 7 | 23s 6 | 2s38 | 18s40 | 0n13 | 9n14 | 1n30 | 2n38 | 1s31 | 22s16 | 1n 3 | 20n55 | 0n28 | 20s46 | 1n31 | 11n38 | 14n32 | 22s55 | 22s51 | 24n47 | 8n39 | 1n26 |
| F 2 | 14 36 | 0 44 | 4 41 | 23 24 | 2 42 | 19 0 | 0 10 | 9 1 | 1 30 | 2 35 | 1 31 | 22 16 | 1 2 | 20 55 | 0 28 | 20 47 | 1 31 | 11 38 | 14 33 | 22 56 | 22 51 | 24 47 | 8 38 | 1 26 |
| S 3 | 14 55 | 4n35 | 5 0 | 23 40 | 2 46 | 19 20 | 0 8 | 8 49 | 1 31 | 2 33 | 1 31 | 22 16 | 1 2 | 20 55 | 0 28 | 20 47 | 1 31 | 11 37 | 14 33 | 22 56 | 22 51 | 24 47 | 8 37 | 1 26 |
| S 4 | 15 13 | 9 38 | 5 4 | 23 56 | 2 50 | 19 39 | 0 5 | 8 36 | 1 31 | 2 31 | 1 31 | 22 17 | 1 2 | 20 55 | 0 28 | 20 47 | 1 31 | 11 37 | 14 33 | 22 57 | 22 52 | 24 47 | 8 36 | 1 26 |
| M 5 | 15 31 | 14 13 | 4 54 | 24 10 | 2 53 | 19 57 | 0 3 | 8 23 | 1 32 | 2 29 | 1 31 | 22 17 | 1 2 | 20 55 | 0 28 | 20 47 | 1 31 | 11 37 | 14 34 | 22 58 | 22 52 | 24 47 | 8 35 | 1 26 |
| T 6 | 15 49 | 18 9 | 4 30 | 24 23 | 2 55 | 20 15 | 0s 0 | 8 11 | 1 33 | 2 27 | 1 31 | 22 17 | 1 2 | 20 55 | 0 28 | 20 48 | 1 31 | 11 36 | 14 34 | 22 59 | 22 52 | 24 46 | 8 33 | 1 26 |
| W 7 | 16 7 | 21 15 | 3 54 | 24 34 | 2 58 | 20 33 | 0 3 | 7 58 | 1 33 | 2 25 | 1 30 | 22 17 | 1 2 | 20 55 | 0 28 | 20 48 | 1 31 | 11 36 | 14 34 | 22 59 | 22 53 | 24 46 | 8 32 | 1 25 |
| T 8 | 16 24 | 23 25 | 3 8 | 24 44 | 2 59 | 20 50 | 0 5 | 7 45 | 1 34 | 2 24 | 1 30 | 22 17 | 1 2 | 20 55 | 0 28 | 20 48 | 1 31 | 11 35 | 14 35 | 23 0 | 22 53 | 24 46 | 8 31 | 1 25 |
| F 9 | 16 41 | 24 30 | 2 14 | 24 53 | 3 0 | 21 6 | 0 8 | 7 33 | 1 35 | 2 22 | 1 30 | 22 17 | 1 1 | 20 55 | 0 28 | 20 48 | 1 31 | 11 35 | 14 35 | 23 0 | 22 53 | 24 46 | 8 30 | 1 25 |
| S 10 | 16 58 | 24 28 | 1 14 | 25 0 | 3 0 | 21 22 | 0 10 | 7 20 | 1 35 | 2 20 | 1 30 | 22 17 | 1 1 | 20 55 | 0 28 | 20 49 | 1 31 | 11 35 | 14 35 | 23 1 | 22 53 | 24 46 | 8 30 | 1 25 |
| S 11 | 17 15 | 23 20 | 0 11 | 25 6 | 3 0 | 21 37 | 0 13 | 7 8 | 1 36 | 2 19 | 1 30 | 22 17 | 1 1 | 20 56 | 0 28 | 20 49 | 1 31 | 11 34 | 14 36 | 23 1 | 22 54 | 24 45 | 8 29 | 1 25 |
| M12 | 17 31 | 21 9 | 0s52 | 25 9 | 2 58 | 21 51 | 0 15 | 6 55 | 1 37 | 2 17 | 1 29 | 22 17 | 1 1 | 20 56 | 0 28 | 20 49 | 1 31 | 11 34 | 14 36 | 23 1 | 22 54 | 24 45 | 8 28 | 1 25 |
| T 13 | 17 47 | 18 3 | 1 54 | 25 11 | 2 56 | 22 5 | 0 18 | 6 42 | 1 37 | 2 16 | 1 29 | 22 17 | 1 1 | 20 56 | 0 28 | 20 50 | 1 31 | 11 34 | 14 36 | 23 0 | 22 54 | 24 45 | 8 27 | 1 25 |
| W14 | 18 2 | 14 8 | 2 52 | 25 12 | 2 53 | 22 19 | 0 21 | 6 30 | 1 38 | 2 14 | 1 29 | 22 17 | 1 1 | 20 56 | 0 28 | 20 50 | 1 31 | 11 34 | 14 37 | 23 0 | 22 54 | 24 45 | 8 26 | 1 25 |
| T 15 | 18 18 | 9 33 | 3 44 | 25 10 | 2 48 | 22 31 | 0 23 | 6 17 | 1 39 | 2 13 | 1 29 | 22 17 | 1 1 | 20 56 | 0 28 | 20 50 | 1 31 | 11 33 | 14 37 | 23 0 | 22 55 | 24 44 | 8 25 | 1 24 |
| F 16 | 18 33 | 4 26 | 4 26 | 25 6 | 2 43 | 22 43 | 0 26 | 6 5 | 1 39 | 2 12 | 1 29 | 22 17 | 1 1 | 20 56 | 0 28 | 20 50 | 1 31 | 11 33 | 14 38 | 23 0 | 22 55 | 24 44 | 8 24 | 1 24 |
| S 17 | 18 48 | 1s 2 | 4 55 | 25 0 | 2 36 | 22 55 | 0 28 | 5 52 | 1 40 | 2 11 | 1 28 | 22 17 | 1 0 | 20 56 | 0 28 | 20 51 | 1 31 | 11 33 | 14 38 | 23 1 | 22 55 | 24 44 | 8 23 | 1 24 |
| S 18 | 19 2 | 6 39 | 5 9 | 24 52 | 2 28 | 23 5 | 0 31 | 5 40 | 1 41 | 2 9 | 1 28 | 22 17 | 1 0 | 20 57 | 0 28 | 20 51 | 1 31 | 11 33 | 14 38 | 23 1 | 22 55 | 24 44 | 8 22 | 1 24 |
| M19 | 19 16 | 12 6 | 5 5 | 24 42 | 2 18 | 23 15 | 0 33 | 5 27 | 1 41 | 2 8 | 1 28 | 22 17 | 1 0 | 20 57 | 0 28 | 20 51 | 1 31 | 11 32 | 14 39 | 23 1 | 22 56 | 24 43 | 8 21 | 1 24 |
| T 20 | 19 30 | 17 4 | 4 41 | 24 28 | 2 7 | 23 25 | 0 36 | 5 15 | 1 42 | 2 8 | 1 28 | 22 17 | 1 0 | 20 57 | 0 29 | 20 51 | 1 31 | 11 32 | 14 39 | 23 2 | 22 56 | 24 43 | 8 20 | 1 24 |
| W21 | 19 43 | 21 4 | 3 58 | 24 12 | 1 54 | 23 33 | 0 39 | 5 2 | 1 43 | 2 7 | 1 27 | 22 17 | 1 0 | 20 57 | 0 29 | 20 52 | 1 31 | 11 32 | 14 40 | 23 2 | 22 56 | 24 43 | 8 19 | 1 24 |
| T 22 | 19 56 | 23 42 | 2 58 | 23 53 | 1 39 | 23 41 | 0 41 | 4 50 | 1 43 | 2 6 | 1 27 | 22 17 | 1 0 | 20 57 | 0 29 | 20 52 | 1 31 | 11 32 | 14 40 | 23 3 | 22 56 | 24 42 | 8 19 | 1 24 |
| F 23 | 20 9 | 24 35 | 1 45 | 23 31 | 1 23 | 23 48 | 0 44 | 4 38 | 1 44 | 2 5 | 1 27 | 22 17 | 1 0 | 20 58 | 0 29 | 20 52 | 1 31 | 11 32 | 14 40 | 23 3 | 22 56 | 24 42 | 8 18 | 1 23 |
| S 24 | 20 21 | 23 40 | 0 25 | 23 6 | 1 6 | 23 55 | 0 46 | 4 25 | 1 45 | 2 5 | 1 27 | 22 17 | 1 0 | 20 58 | 0 29 | 20 53 | 1 31 | 11 31 | 14 41 | 23 3 | 22 57 | 24 42 | 8 17 | 1 23 |
| S 25 | 20 33 | 21 6 | 0n56 | 22 38 | 0 47 | 24 1 | 0 48 | 4 13 | 1 45 | 2 4 | 1 26 | 22 17 | 1 0 | 20 58 | 0 29 | 20 53 | 1 30 | 11 31 | 14 41 | 23 3 | 22 57 | 24 41 | 8 16 | 1 23 |
| M26 | 20 45 | 17 14 | 2 11 | 22 8 | 0 27 | 24 6 | 0 51 | 4 1 | 1 46 | 2 4 | 1 26 | 22 17 | 0 59 | 20 58 | 0 29 | 20 53 | 1 30 | 11 31 | 14 42 | 23 3 | 22 57 | 24 41 | 8 15 | 1 23 |
| T 27 | 20 56 | 12 29 | 3 16 | 21 36 | 0 7 | 24 10 | 0 53 | 3 48 | 1 47 | 2 3 | 1 26 | 22 17 | 0 59 | 20 59 | 0 29 | 20 53 | 1 30 | 11 31 | 14 42 | 23 3 | 22 57 | 24 41 | 8 15 | 1 23 |
| W28 | 21 7 | 7 15 | 4 8 | 21 2 | 0n14 | 24 14 | 0 56 | 3 36 | 1 47 | 2 3 | 1 26 | 22 17 | 0 59 | 20 59 | 0 29 | 20 54 | 1 30 | 11 31 | 14 43 | 23 3 | 22 58 | 24 40 | 8 14 | 1 23 |
| T 29 | 21 17 | 1 50 | 4 45 | 20 28 | 0 34 | 24 17 | 0 58 | 3 24 | 1 48 | 2 3 | 1 25 | 22 17 | 0 59 | 20 59 | 0 29 | 20 54 | 1 30 | 11 31 | 14 43 | 23 3 | 22 58 | 24 40 | 8 13 | 1 23 |
| F 30 | 21s27 | 3n31 | 5n 7 | 19s55 | 0n53 | 24s19 | 1s 0 | 3n12 | 1n49 | 2n 3 | 1s25 | 22s17 | 0n59 | 21n 0 | 0n29 | 20s54 | 1n30 | 11n31 | 14n44 | 23s 3 | 22s58 | 24n40 | 8n13 | 1n23 |

Julian Day Number = 2802116.5, Delta T = 50m36s
Ecliptic obliquity = 23°18'56, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°10'33, Lahiri = 37°17'33


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# ASTRODIENST EPHEMERIS for the year 2959
# geocentric

## DECEMBER 2959 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 39 52 | 8♐31'54 | 9♈40 | 2°R30 | 2♑ 5 | 26♍39 | 8°R29 | 3♑45 | 27°R38 | 14♐22 | 5♎ 5 | 8°R26 | 9♑34 | 20♊43 | 17°R44 | S 1 |
| S 2 | 4 43 49 | 9°32'17 | 22° 5 | 1♐24 | 3°19 | 27°11 | 8♈29 | 3°52 | 27♋37 | 14°24 | 5° 6 | 8♑22 | 9°31 | 20°49 | 17♈43 | S 2 |
| M 3 | 4 47 45 | 10°32'41 | 4♉18 | 0°27 | 4°33 | 27°42 | 8°28 | 3°58 | 27°35 | 14°26 | 5° 8 | 8°17 | 9°28 | 20°56 | 17°42 | M 3 |
| T 4 | 4 51 42 | 11°33'07 | 16°22 | 29♏41 | 5°48 | 28°14 | 8°D28 | 4° 5 | 27°34 | 14°28 | 5° 9 | 8°12 | 9°25 | 21° 3 | 17°40 | T 4 |
| W 5 | 4 55 39 | 12°33'34 | 28°19 | 29° 5 | 7° 2 | 28°46 | 8°29 | 4°12 | 27°32 | 14°31 | 5°10 | 8° 7 | 9°21 | 21° 9 | 17°39 | W 5 |
| T 6 | 4 59 35 | 13°34'02 | 10♊11 | 28°42 | 8°17 | 29°17 | 8°29 | 4°19 | 27°31 | 14°33 | 5°11 | 8° 4 | 9°18 | 21°16 | 17°38 | T 6 |
| F 7 | 5 3 32 | 14°34'33 | 22° 0 | 28°30 | 9°31 | 29°48 | 8°30 | 4°25 | 27°29 | 14°35 | 5°12 | 8° 1 | 9°15 | 21°23 | 17°36 | F 7 |
| S 8 | 5 7 28 | 15°35'04 | 3♋48 | 28°D29 | 10°46 | 0♎19 | 8°30 | 4°32 | 27°27 | 14°37 | 5°13 | 8°D 0 | 9°12 | 21°29 | 17°35 | S 8 |
| S 9 | 5 11 25 | 16°35'37 | 15°37 | 28°39 | 12° 0 | 0°50 | 8°31 | 4°39 | 27°26 | 14°40 | 5°14 | 8° 1 | 9° 9 | 21°36 | 17°34 | S 9 |
| M10 | 5 15 21 | 17°36'12 | 27°29 | 28°59 | 13°15 | 1°21 | 8°33 | 4°46 | 27°24 | 14°42 | 5°15 | 8° 2 | 9° 6 | 21°43 | 17°33 | M10 |
| T 11 | 5 19 18 | 18°36'48 | 9♌29 | 29°28 | 14°29 | 1°51 | 8°34 | 4°53 | 27°22 | 14°44 | 5°16 | 8° 3 | 9° 2 | 21°49 | 17°32 | T 11 |
| W12 | 5 23 14 | 19°37'26 | 21°39 | 0♐ 5 | 15°44 | 2°22 | 8°36 | 5° 0 | 27°20 | 14°46 | 5°17 | 8° 5 | 8°59 | 21°56 | 17°31 | W12 |
| T 13 | 5 27 11 | 20°38'05 | 4♍ 3 | 0°49 | 16°58 | 2°52 | 8°37 | 5° 7 | 27°18 | 14°49 | 5°17 | 8° 6 | 8°56 | 22° 3 | 17°30 | T 13 |
| F 14 | 5 31 8 | 21°38'46 | 16°47 | 1°39 | 18°12 | 3°22 | 8°39 | 5°14 | 27°16 | 14°51 | 5°18 | 8°R 7 | 8°53 | 22° 9 | 17°29 | F 14 |
| S 15 | 5 35 4 | 22°39'28 | 29°52 | 2°36 | 19°27 | 3°52 | 8°42 | 5°21 | 27°14 | 14°53 | 5°19 | 8° 7 | 8°50 | 22°16 | 17°29 | S 15 |
| S 16 | 5 39 1 | 23°40'12 | 13♎23 | 3°37 | 20°41 | 4°22 | 8°44 | 5°28 | 27°12 | 14°55 | 5°20 | 8° 6 | 8°47 | 22°23 | 17°28 | S 16 |
| M17 | 5 42 57 | 24°40'57 | 27°22 | 4°42 | 21°55 | 4°52 | 8°47 | 5°35 | 27°10 | 14°57 | 5°20 | 8° 5 | 8°43 | 22°29 | 17°27 | M17 |
| T 18 | 5 46 54 | 25°41'44 | 11♏47 | 5°51 | 23°10 | 5°21 | 8°50 | 5°42 | 27° 8 | 15° 0 | 5°21 | 8° 3 | 8°40 | 22°36 | 17°27 | T 18 |
| W19 | 5 50 50 | 26°42'32 | 26°35 | 7° 4 | 24°24 | 5°50 | 8°53 | 5°49 | 27° 6 | 15° 2 | 5°22 | 8° 2 | 8°37 | 22°43 | 17°26 | W19 |
| T 20 | 5 54 47 | 27°43'22 | 11♐40 | 8°19 | 25°39 | 6°19 | 8°56 | 5°56 | 27° 4 | 15° 4 | 5°22 | 8° 0 | 8°34 | 22°49 | 17°26 | T 20 |
| F 21 | 5 58 43 | 28°44'13 | 26°53 | 9°36 | 26°53 | 6°48 | 8°59 | 6° 3 | 27° 2 | 15° 6 | 5°23 | 8° 0 | 8°31 | 22°56 | 17°25 | F 21 |
| S 22 | 6 2 40 | 29°45'05 | 12♑ 5 | 10°56 | 28° 7 | 7°17 | 9° 3 | 6°10 | 27° 0 | 15° 9 | 5°24 | 8°D 0 | 8°27 | 23° 3 | 17°25 | S 22 |
| S 23 | 6 6 37 | 0♑45'58 | 27° 6 | 12°17 | 29°22 | 7°45 | 9° 7 | 6°17 | 26°57 | 15°11 | 5°24 | 8° 0 | 8°24 | 23° 9 | 17°24 | S 23 |
| M24 | 6 10 33 | 1°46'52 | 11♒48 | 13°39 | 0♒36 | 8°14 | 9°11 | 6°25 | 26°55 | 15°13 | 5°25 | 8° 0 | 8°21 | 23°16 | 17°24 | M24 |
| T 25 | 6 14 30 | 2°47'46 | 26° 6 | 15° 3 | 1°50 | 8°42 | 9°15 | 6°32 | 26°53 | 15°15 | 5°25 | 8° 1 | 8°18 | 23°22 | 17°24 | T 25 |
| W26 | 6 18 26 | 3°48'41 | 9♓56 | 16°29 | 3° 4 | 9°10 | 9°19 | 6°39 | 26°51 | 15°17 | 5°25 | 8° 1 | 8°15 | 23°29 | 17°24 | W26 |
| T 27 | 6 22 23 | 4°49'37 | 23°20 | 17°55 | 4°19 | 9°37 | 9°24 | 6°46 | 26°48 | 15°19 | 5°26 | 8° 2 | 8°12 | 23°36 | 17°23 | T 27 |
| F 28 | 6 26 19 | 5°50'33 | 6♈19 | 19°22 | 5°33 | 10° 5 | 9°29 | 6°53 | 26°46 | 15°22 | 5°26 | 8°R 2 | 8° 8 | 23°42 | 17°23 | F 28 |
| S 29 | 6 30 16 | 6°51'29 | 18°56 | 20°49 | 6°47 | 10°32 | 9°34 | 7° 0 | 26°44 | 15°24 | 5°26 | 8° 2 | 8° 5 | 23°49 | 17°D23 | S 29 |
| S 30 | 6 34 13 | 7°52'27 | 1♉16 | 22°17 | 8° 1 | 10°59 | 9°39 | 7° 7 | 26°41 | 15°26 | 5°27 | 8°D 2 | 8° 2 | 23°56 | 17°23 | S 30 |
| M31 | 6 38 9 | 8♑53'25 | 13♉22 | 23♐46 | 9♒15 | 11♎26 | 9♈44 | 7♑14 | 26♋39 | 15♐28 | 5♎27 | 8♑ 2 | 7♑59 | 24♊ 2 | 17♈23 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s37 | 8n37 | 5n13 | 19s23 | 1n12 | 24s20 | 1s 3 | 3n 0 | 1n49 | 2n 3 | 1s25 | 22s17 | 0n59 | 21n 0 | 0n29 | 20s54 | 1n30 | 11n31 | 14n44 | 23s 3 | 22s58 | 24n39 | 8n12 | 1n22 |
| S 2 | 21 46 | 13 16 | 5 4 | 18 53 | 1 29 | 24 21 | 1 5 | 2 48 | 1 50 | 2 3 | 1 25 | 22 17 | 0 59 | 21 0 | 0 29 | 20 55 | 1 30 | 11 31 | 14 44 | 23 3 | 22 59 | 24 39 | 8 11 | 1 22 |
| M 3 | 21 55 | 17 18 | 4 42 | 18 27 | 1 44 | 24 21 | 1 7 | 2 36 | 1 51 | 2 3 | 1 24 | 22 17 | 0 59 | 21 0 | 0 29 | 20 55 | 1 30 | 11 31 | 14 45 | 23 3 | 22 59 | 24 39 | 8 10 | 1 22 |
| T 4 | 22 3 | 20 35 | 4 7 | 18 5 | 1 57 | 24 20 | 1 9 | 2 24 | 1 52 | 2 3 | 1 24 | 22 17 | 0 59 | 21 1 | 0 29 | 20 55 | 1 30 | 11 31 | 14 45 | 23 4 | 22 59 | 24 38 | 8 10 | 1 22 |
| W 5 | 22 11 | 22 57 | 3 21 | 17 47 | 2 7 | 24 19 | 1 11 | 2 13 | 1 52 | 2 4 | 1 24 | 22 16 | 0 59 | 21 1 | 0 29 | 20 55 | 1 30 | 11 31 | 14 46 | 23 4 | 22 59 | 24 38 | 8 9 | 1 22 |
| T 6 | 22 19 | 24 17 | 2 27 | 17 33 | 2 16 | 24 17 | 1 13 | 2 1 | 1 53 | 2 4 | 1 23 | 22 16 | 0 58 | 21 1 | 0 29 | 20 56 | 1 30 | 11 31 | 14 46 | 23 4 | 22 59 | 24 37 | 8 9 | 1 22 |
| F 7 | 22 26 | 24 32 | 1 27 | 17 24 | 2 23 | 24 14 | 1 15 | 1 49 | 1 54 | 2 5 | 1 23 | 22 16 | 0 58 | 21 2 | 0 29 | 20 56 | 1 30 | 11 31 | 14 47 | 23 4 | 23 0 | 24 37 | 8 8 | 1 22 |
| S 8 | 22 32 | 23 39 | 0 23 | 17 19 | 2 28 | 24 10 | 1 17 | 1 38 | 1 54 | 2 5 | 1 23 | 22 16 | 0 58 | 21 2 | 0 29 | 20 56 | 1 30 | 11 31 | 14 47 | 23 4 | 23 0 | 24 37 | 8 7 | 1 21 |
| S 9 | 22 39 | 21 43 | 0s42 | 17 18 | 2 31 | 24 6 | 1 19 | 1 26 | 1 55 | 2 6 | 1 23 | 22 16 | 0 58 | 21 3 | 0 29 | 20 56 | 1 30 | 11 31 | 14 48 | 23 4 | 23 0 | 24 36 | 8 7 | 1 21 |
| M10 | 22 44 | 18 50 | 1 46 | 17 21 | 2 32 | 24 0 | 1 21 | 1 14 | 1 56 | 2 6 | 1 22 | 22 16 | 0 58 | 21 3 | 0 29 | 20 57 | 1 30 | 11 31 | 14 48 | 23 4 | 23 0 | 24 36 | 8 6 | 1 21 |
| T 11 | 22 50 | 15 8 | 2 45 | 17 27 | 2 32 | 23 55 | 1 23 | 1 3 | 1 57 | 2 7 | 1 22 | 22 16 | 0 58 | 21 3 | 0 29 | 20 57 | 1 30 | 11 31 | 14 49 | 23 4 | 23 1 | 24 35 | 8 6 | 1 21 |
| W12 | 22 55 | 10 46 | 3 39 | 17 36 | 2 31 | 23 48 | 1 25 | 0 52 | 1 57 | 2 8 | 1 22 | 22 15 | 0 58 | 21 4 | 0 29 | 20 57 | 1 30 | 11 31 | 14 49 | 23 4 | 23 1 | 24 35 | 8 5 | 1 21 |
| T 13 | 22 59 | 5 53 | 4 23 | 17 47 | 2 29 | 23 41 | 1 27 | 0 40 | 1 58 | 2 9 | 1 22 | 22 15 | 0 58 | 21 4 | 0 29 | 20 57 | 1 30 | 11 32 | 14 50 | 23 4 | 23 1 | 24 34 | 8 5 | 1 21 |
| F 14 | 23 3 | 0 39 | 4 55 | 18 0 | 2 26 | 23 33 | 1 28 | 0 29 | 1 59 | 2 10 | 1 21 | 22 15 | 0 58 | 21 4 | 0 29 | 20 58 | 1 30 | 11 32 | 14 50 | 23 4 | 23 1 | 24 34 | 8 4 | 1 21 |
| S 15 | 23 7 | 4s45 | 5 14 | 18 15 | 2 22 | 23 24 | 1 30 | 0 18 | 2 0 | 2 11 | 1 21 | 22 15 | 0 58 | 21 5 | 0 29 | 20 58 | 1 30 | 11 32 | 14 51 | 23 4 | 23 1 | 24 34 | 8 4 | 1 20 |
| S 16 | 23 10 | 10 6 | 5 16 | 18 31 | 2 17 | 23 14 | 1 32 | 0 7 | 2 0 | 2 12 | 1 21 | 22 15 | 0 58 | 21 5 | 0 29 | 20 58 | 1 30 | 11 32 | 14 51 | 23 4 | 23 2 | 24 33 | 8 4 | 1 20 |
| M17 | 23 13 | 15 8 | 4 59 | 18 49 | 2 12 | 23 4 | 1 33 | 0s 4 | 2 1 | 2 14 | 1 21 | 22 14 | 0 57 | 21 6 | 0 29 | 20 58 | 1 30 | 11 32 | 14 52 | 23 4 | 23 2 | 24 33 | 8 3 | 1 20 |
| T 18 | 23 15 | 19 28 | 4 24 | 19 6 | 2 6 | 22 54 | 1 35 | 0 15 | 2 2 | 2 15 | 1 20 | 22 14 | 0 57 | 21 6 | 0 29 | 20 59 | 1 30 | 11 32 | 14 52 | 23 4 | 23 2 | 24 32 | 8 3 | 1 20 |
| W19 | 23 16 | 22 42 | 3 30 | 19 25 | 1 59 | 22 42 | 1 36 | 0 26 | 2 3 | 2 16 | 1 20 | 22 14 | 0 57 | 21 7 | 0 29 | 20 59 | 1 30 | 11 33 | 14 53 | 23 4 | 23 2 | 24 32 | 8 2 | 1 20 |
| T 20 | 23 18 | 24 24 | 2 21 | 19 43 | 1 53 | 22 30 | 1 37 | 0 37 | 2 3 | 2 18 | 1 20 | 22 14 | 0 57 | 21 7 | 0 29 | 20 59 | 1 30 | 11 33 | 14 53 | 23 4 | 23 2 | 24 31 | 8 2 | 1 20 |
| F 21 | 23 19 | 24 18 | 1 1 | 20 2 | 1 46 | 22 17 | 1 39 | 0 47 | 2 4 | 2 20 | 1 19 | 22 14 | 0 57 | 21 7 | 0 29 | 20 59 | 1 30 | 11 33 | 14 54 | 23 5 | 23 3 | 24 31 | 8 2 | 1 20 |
| S 22 | 23 19 | 22 23 | 0n23 | 20 20 | 1 39 | 22 4 | 1 40 | 0 58 | 2 5 | 2 21 | 1 19 | 22 13 | 0 57 | 21 8 | 0 29 | 21 0 | 1 30 | 11 33 | 14 55 | 23 5 | 23 3 | 24 30 | 8 2 | 1 19 |
| S 23 | 23 19 | 18 55 | 1 44 | 20 38 | 1 31 | 21 49 | 1 41 | 1 8 | 2 6 | 2 23 | 1 19 | 22 13 | 0 57 | 21 8 | 0 29 | 21 0 | 1 30 | 11 34 | 14 55 | 23 5 | 23 3 | 24 30 | 8 1 | 1 19 |
| M24 | 23 18 | 14 19 | 2 57 | 20 56 | 1 24 | 21 35 | 1 42 | 1 19 | 2 6 | 2 25 | 1 19 | 22 13 | 0 57 | 21 9 | 0 29 | 21 0 | 1 30 | 11 34 | 14 56 | 23 4 | 23 3 | 24 29 | 8 1 | 1 19 |
| T 25 | 23 17 | 9 2 | 3 57 | 21 13 | 1 16 | 21 19 | 1 43 | 1 29 | 2 7 | 2 27 | 1 18 | 22 13 | 0 57 | 21 9 | 0 29 | 21 0 | 1 30 | 11 34 | 14 56 | 23 4 | 23 3 | 24 29 | 8 1 | 1 19 |
| W26 | 23 16 | 3 28 | 4 41 | 21 30 | 1 9 | 21 3 | 1 44 | 1 39 | 2 8 | 2 29 | 1 18 | 22 12 | 0 57 | 21 10 | 0 29 | 21 1 | 1 30 | 11 35 | 14 57 | 23 4 | 23 4 | 24 28 | 8 1 | 1 19 |
| T 27 | 23 14 | 2n 5 | 5 8 | 21 45 | 1 1 | 20 47 | 1 45 | 1 49 | 2 9 | 2 31 | 1 18 | 22 12 | 0 57 | 21 10 | 0 29 | 21 1 | 1 30 | 11 35 | 14 57 | 23 4 | 23 4 | 24 28 | 8 0 | 1 19 |
| F 28 | 23 11 | 7 22 | 5 18 | 22 0 | 0 53 | 20 30 | 1 46 | 1 59 | 2 10 | 2 33 | 1 18 | 22 12 | 0 57 | 21 11 | 0 29 | 21 1 | 1 31 | 11 35 | 14 58 | 23 4 | 23 4 | 24 27 | 8 0 | 1 19 |
| S 29 | 23 8 | 12 12 | 5 12 | 22 15 | 0 45 | 20 12 | 1 46 | 2 9 | 2 10 | 2 35 | 1 17 | 22 11 | 0 57 | 21 11 | 0 30 | 21 1 | 1 31 | 11 36 | 14 58 | 23 4 | 23 4 | 24 27 | 8 0 | 1 18 |
| S 30 | 23 5 | 16 25 | 4 52 | 22 28 | 0 38 | 19 53 | 1 47 | 2 19 | 2 11 | 2 37 | 1 17 | 22 11 | 0 57 | 21 12 | 0 30 | 21 1 | 1 31 | 11 36 | 14 59 | 23 4 | 23 4 | 24 26 | 8 0 | 1 18 |
| M31 | 23s 1 | 19n54 | 4n20 | 22s40 | 0n30 | 19s35 | 1s48 | 2s28 | 2n12 | 2n39 | 1s17 | 22s11 | 0n56 | 21n12 | 0n30 | 21s 2 | 1n31 | 11n36 | 14n59 | 23s 4 | 23s 5 | 24n25 | 8n 0 | 1n18 |

Julian Day Number = 2802146.5, Delta T = 50m37s
Ecliptic obliquity = 23°18'55, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°10'37, Lahiri = 37°17'37


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# ASTRODIENST EPHEMERIS for the year 2960
# geocentric

## JANUARY 2960 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 42 6 | 9♑54'23 | 25♉18 | 25♐15 | 10♒29 | 11♎52 | 9♈49 | 7♑22 | 26°R36 | 15♐30 | 5♎27 | 8♑ 2 | 7♑56 | 24♊ 9 | 17♈24 | T 1 |
| W 2 | 6 46 2 | 10°55'22 | 7♊ 9 | 26°45 | 11°44 | 12°18 | 9°55 | 7°29 | 26♋34 | 15°32 | 5°27 | 8° 2 | 7°53 | 24°16 | 17°24 | W 2 |
| T 3 | 6 49 59 | 11°56'21 | 18°57 | 28°15 | 12°58 | 12°44 | 10° 1 | 7°36 | 26°31 | 15°34 | 5°28 | 8° 3 | 7°49 | 24°22 | 17°24 | T 3 |
| F 4 | 6 53 55 | 12°57'22 | 0♋45 | 29°46 | 14°12 | 13°10 | 10° 7 | 7°43 | 26°29 | 15°36 | 5°28 | 8° 3 | 7°46 | 24°29 | 17°24 | F 4 |
| S 5 | 6 57 52 | 13°58'22 | 12°35 | 1♑16 | 15°26 | 13°36 | 10°13 | 7°50 | 26°26 | 15°38 | 5°28 | 8°R 3 | 7°43 | 24°36 | 17°25 | S 5 |
| S 6 | 7 1 48 | 14°59'23 | 24°30 | 2°47 | 16°40 | 14° 1 | 10°20 | 7°57 | 26°24 | 15°40 | 5°28 | 8° 3 | 7°40 | 24°42 | 17°25 | S 6 |
| M 7 | 7 5 45 | 16° 0'25 | 6♌32 | 4°19 | 17°54 | 14°26 | 10°26 | 8° 4 | 26°21 | 15°42 | 5°R28 | 8° 2 | 7°37 | 24°49 | 17°26 | M 7 |
| T 8 | 7 9 42 | 17° 1'27 | 18°42 | 5°50 | 19° 8 | 14°51 | 10°33 | 8°11 | 26°19 | 15°44 | 5°28 | 8° 1 | 7°33 | 24°56 | 17°26 | T 8 |
| W 9 | 7 13 38 | 18° 2'30 | 1♍ 3 | 7°22 | 20°21 | 15°16 | 10°40 | 8°18 | 26°16 | 15°46 | 5°28 | 7°59 | 7°30 | 25° 2 | 17°27 | W 9 |
| T 10 | 7 17 35 | 19° 3'33 | 13°36 | 8°54 | 21°35 | 15°40 | 10°47 | 8°25 | 26°14 | 15°48 | 5°28 | 7°58 | 7°27 | 25° 9 | 17°27 | T 10 |
| F 11 | 7 21 31 | 20° 4'37 | 26°24 | 10°27 | 22°49 | 16° 4 | 10°54 | 8°32 | 26°11 | 15°50 | 5°28 | 7°56 | 7°24 | 25°15 | 17°28 | F 11 |
| S 12 | 7 25 28 | 21° 5'41 | 9♎29 | 11°59 | 24° 3 | 16°27 | 11° 1 | 8°39 | 26° 9 | 15°52 | 5°27 | 7°56 | 7°21 | 25°22 | 17°29 | S 12 |
| S 13 | 7 29 24 | 22° 6'46 | 22°54 | 13°32 | 25°17 | 16°51 | 11° 9 | 8°46 | 26° 6 | 15°54 | 5°27 | 7°D55 | 7°18 | 25°29 | 17°30 | S 13 |
| M14 | 7 33 21 | 23° 7'52 | 6♏39 | 15° 6 | 26°30 | 17°14 | 11°16 | 8°53 | 26° 3 | 15°56 | 5°27 | 7°56 | 7°14 | 25°35 | 17°31 | M14 |
| T 15 | 7 37 17 | 24° 8'59 | 20°47 | 16°39 | 27°44 | 17°37 | 11°24 | 9° 0 | 26° 1 | 15°58 | 5°27 | 7°57 | 7°11 | 25°42 | 17°31 | T 15 |
| W16 | 7 41 14 | 25°10'05 | 5♐15 | 18°13 | 28°58 | 17°59 | 11°32 | 9° 7 | 25°58 | 16° 0 | 5°27 | 7°58 | 7° 8 | 25°49 | 17°32 | W16 |
| T 17 | 7 45 11 | 26°11'13 | 20° 0 | 19°47 | 0♓11 | 18°21 | 11°40 | 9°14 | 25°56 | 16° 2 | 5°26 | 7°59 | 7° 5 | 25°55 | 17°33 | T 17 |
| F 18 | 7 49 7 | 27°12'20 | 4♑57 | 21°22 | 1°25 | 18°43 | 11°48 | 9°21 | 25°53 | 16° 3 | 5°26 | 8°R 0 | 7° 2 | 26° 2 | 17°35 | F 18 |
| S 19 | 7 53 4 | 28°13'28 | 19°59 | 22°56 | 2°39 | 19° 4 | 11°57 | 9°28 | 25°50 | 16° 5 | 5°26 | 7°59 | 6°59 | 26° 9 | 17°36 | S 19 |
| S 20 | 7 57 0 | 29°14'36 | 4♒57 | 24°32 | 3°52 | 19°26 | 12° 5 | 9°35 | 25°48 | 16° 7 | 5°25 | 7°58 | 6°55 | 26°15 | 17°37 | S 20 |
| M21 | 8 0 57 | 0♒15'44 | 19°42 | 26° 7 | 5° 6 | 19°46 | 12°14 | 9°42 | 25°45 | 16° 9 | 5°25 | 7°55 | 6°52 | 26°22 | 17°38 | M21 |
| T 22 | 8 4 53 | 1°16'52 | 4♓ 8 | 27°43 | 6°19 | 20° 7 | 12°23 | 9°49 | 25°43 | 16°10 | 5°24 | 7°52 | 6°49 | 26°29 | 17°39 | T 22 |
| W23 | 8 8 50 | 2°17'59 | 18° 8 | 29°19 | 7°32 | 20°27 | 12°32 | 9°55 | 25°40 | 16°12 | 5°24 | 7°48 | 6°46 | 26°35 | 17°41 | W23 |
| T 24 | 8 12 46 | 3°19'06 | 1♈41 | 0♒56 | 8°46 | 20°46 | 12°41 | 10° 2 | 25°38 | 16°14 | 5°23 | 7°45 | 6°43 | 26°42 | 17°42 | T 24 |
| F 25 | 8 16 43 | 4°20'13 | 14°48 | 2°33 | 9°59 | 21° 5 | 12°50 | 10° 9 | 25°35 | 16°15 | 5°23 | 7°42 | 6°39 | 26°49 | 17°44 | F 25 |
| S 26 | 8 20 40 | 5°21'19 | 27°30 | 4°11 | 11°12 | 21°24 | 13° 0 | 10°16 | 25°32 | 16°17 | 5°22 | 7°41 | 6°36 | 26°55 | 17°45 | S 26 |
| S 27 | 8 24 36 | 6°22'25 | 9♉51 | 5°49 | 12°25 | 21°43 | 13° 9 | 10°22 | 25°30 | 16°19 | 5°21 | 7°D41 | 6°33 | 27° 2 | 17°47 | S 27 |
| M28 | 8 28 33 | 7°23'30 | 21°56 | 7°27 | 13°38 | 22° 1 | 13°19 | 10°29 | 25°27 | 16°20 | 5°21 | 7°41 | 6°30 | 27° 8 | 17°48 | M28 |
| T 29 | 8 32 29 | 8°24'35 | 3♊51 | 9° 6 | 14°51 | 22°18 | 13°29 | 10°36 | 25°25 | 16°22 | 5°20 | 7°43 | 6°27 | 27°15 | 17°50 | T 29 |
| W30 | 8 36 26 | 9°25'39 | 15°39 | 10°46 | 16° 4 | 22°35 | 13°39 | 10°42 | 25°22 | 16°23 | 5°19 | 7°45 | 6°24 | 27°22 | 17°52 | W30 |
| T 31 | 8 40 22 | 10♒26'43 | 27♊26 | 12♒26 | 17♓17 | 22♎52 | 13♈49 | 10♑49 | 25♋20 | 16♐25 | 5♎19 | 7♑47 | 6♑20 | 27♊28 | 17♈53 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22s57 | 22n29 | 3n36 | 22s51 | 0n22 | 19s15 | 1s48 | 2s38 | 2n13 | 2n42 | 1s17 | 22s10 | 0n56 | 21n13 | 0n30 | 21s 2 | 1n31 | 11n37 | 15n 0 | 23s 4 | 23s 5 | 24n25 | 8n 0 | 1n18 | |
| W 2 | 22 52 | 24 5 | 2 44 | 23 2 | 0 15 | 18 55 | 1 48 | 2 47 | 2 14 | 2 44 | 1 16 | 22 10 | 0 56 | 21 13 | 0 30 | 21 2 | 1 31 | 11 37 | 15 0 | 23 4 | 23 5 | 24 24 | 8 0 | 1 18 | |
| T 3 | 22 47 | 24 35 | 1 44 | 23 11 | 0 7 | 18 35 | 1 49 | 2 57 | 2 14 | 2 47 | 1 16 | 22 10 | 0 56 | 21 13 | 0 30 | 21 2 | 1 31 | 11 38 | 15 1 | 23 4 | 23 5 | 24 24 | 8 0 | 1 18 | |
| F 4 | 22 41 | 23 59 | 0 41 | 23 19 | 0 0 | 18 14 | 1 49 | 3 6 | 2 15 | 2 49 | 1 16 | 22 9 | 0 56 | 21 14 | 0 30 | 21 2 | 1 31 | 11 38 | 15 1 | 23 4 | 23 5 | 24 23 | 8 0 | 1 18 | |
| S 5 | 22 35 | 22 18 | 0s25 | 23 26 | 0s 7 | 17 52 | 1 49 | 3 15 | 2 16 | 2 52 | 1 16 | 22 9 | 0 56 | 21 14 | 0 30 | 21 3 | 1 31 | 11 38 | 15 2 | 23 4 | 23 5 | 24 23 | 8 0 | 1 17 | |
| S 6 | 22 29 | 19 38 | 1 30 | 23 31 | 0 14 | 17 30 | 1 49 | 3 24 | 2 17 | 2 55 | 1 15 | 22 9 | 0 56 | 21 15 | 0 30 | 21 3 | 1 31 | 11 39 | 15 2 | 23 4 | 23 6 | 24 22 | 8 0 | 1 17 | |
| M 7 | 22 22 | 16 5 | 2 32 | 23 36 | 0 21 | 17 8 | 1 49 | 3 33 | 2 18 | 2 57 | 1 15 | 22 8 | 0 56 | 21 15 | 0 30 | 21 3 | 1 31 | 11 39 | 15 3 | 23 4 | 23 6 | 24 21 | 8 0 | 1 17 | |
| T 8 | 22 14 | 11 51 | 3 27 | 23 39 | 0 28 | 16 45 | 1 49 | 3 41 | 2 18 | 3 0 | 1 15 | 22 8 | 0 56 | 21 16 | 0 30 | 21 3 | 1 31 | 11 40 | 15 3 | 23 4 | 23 6 | 24 21 | 8 0 | 1 17 | |
| W 9 | 22 6 | 7 5 | 4 14 | 23 41 | 0 35 | 16 21 | 1 49 | 3 50 | 2 19 | 3 3 | 1 15 | 22 8 | 0 56 | 21 16 | 0 30 | 21 3 | 1 31 | 11 40 | 15 4 | 23 5 | 23 6 | 24 20 | 8 0 | 1 17 | |
| T 10 | 21 58 | 1 58 | 4 49 | 23 42 | 0 41 | 15 57 | 1 49 | 3 59 | 2 20 | 3 6 | 1 14 | 22 7 | 0 56 | 21 17 | 0 30 | 21 4 | 1 31 | 11 41 | 15 5 | 23 5 | 23 6 | 24 20 | 8 0 | 1 17 | |
| F 11 | 21 49 | 3s20 | 5 11 | 23 42 | 0 48 | 15 33 | 1 49 | 4 7 | 2 21 | 3 9 | 1 14 | 22 7 | 0 56 | 21 17 | 0 30 | 21 4 | 1 31 | 11 41 | 15 5 | 23 5 | 23 7 | 24 19 | 8 0 | 1 17 | |
| S 12 | 21 40 | 8 36 | 5 17 | 23 40 | 0 54 | 15 8 | 1 48 | 4 15 | 2 22 | 3 12 | 1 14 | 22 6 | 0 56 | 21 18 | 0 30 | 21 4 | 1 31 | 11 42 | 15 6 | 23 5 | 23 7 | 24 18 | 8 0 | 1 16 | |
| S 13 | 21 31 | 13 36 | 5 6 | 23 37 | 1 0 | 14 43 | 1 48 | 4 23 | 2 23 | 3 15 | 1 14 | 22 6 | 0 56 | 21 18 | 0 30 | 21 4 | 1 31 | 11 43 | 15 6 | 23 5 | 23 7 | 24 18 | 8 1 | 1 16 | |
| M14 | 21 21 | 18 3 | 4 38 | 23 33 | 1 6 | 14 18 | 1 47 | 4 31 | 2 24 | 3 19 | 1 13 | 22 6 | 0 56 | 21 19 | 0 30 | 21 4 | 1 31 | 11 43 | 15 7 | 23 5 | 23 7 | 24 17 | 8 1 | 1 16 | |
| T 15 | 21 10 | 21 36 | 3 53 | 23 28 | 1 11 | 13 52 | 1 47 | 4 39 | 2 24 | 3 22 | 1 13 | 22 5 | 0 56 | 21 19 | 0 30 | 21 4 | 1 31 | 11 44 | 15 7 | 23 5 | 23 7 | 24 16 | 8 1 | 1 16 | |
| W16 | 20 59 | 23 53 | 2 52 | 23 21 | 1 17 | 13 26 | 1 46 | 4 47 | 2 25 | 3 25 | 1 13 | 22 5 | 0 56 | 21 20 | 0 30 | 21 5 | 1 31 | 11 44 | 15 8 | 23 5 | 23 7 | 24 16 | 8 1 | 1 16 | |
| T 17 | 20 48 | 24 34 | 1 38 | 23 13 | 1 22 | 12 59 | 1 45 | 4 54 | 2 26 | 3 28 | 1 13 | 22 4 | 0 56 | 21 20 | 0 30 | 21 5 | 1 31 | 11 45 | 15 8 | 23 5 | 23 8 | 24 15 | 8 1 | 1 16 | |
| F 18 | 20 37 | 23 30 | 0 17 | 23 3 | 1 27 | 12 32 | 1 44 | 5 2 | 2 27 | 3 32 | 1 13 | 22 4 | 0 56 | 21 21 | 0 30 | 21 5 | 1 31 | 11 45 | 15 9 | 23 5 | 23 8 | 24 14 | 8 2 | 1 16 | |
| S 19 | 20 25 | 20 45 | 1n 6 | 22 53 | 1 31 | 12 5 | 1 43 | 5 9 | 2 28 | 3 35 | 1 12 | 22 3 | 0 56 | 21 21 | 0 30 | 21 5 | 1 31 | 11 46 | 15 9 | 23 5 | 23 8 | 24 14 | 8 2 | 1 15 | |
| S 20 | 20 12 | 16 36 | 2 23 | 22 41 | 1 36 | 11 37 | 1 42 | 5 16 | 2 29 | 3 39 | 1 12 | 22 3 | 0 55 | 21 22 | 0 30 | 21 5 | 1 31 | 11 47 | 15 10 | 23 5 | 23 8 | 24 13 | 8 2 | 1 15 | |
| M21 | 19 59 | 11 30 | 3 30 | 22 27 | 1 40 | 11 10 | 1 41 | 5 23 | 2 30 | 3 42 | 1 12 | 22 2 | 0 55 | 21 22 | 0 30 | 21 5 | 1 31 | 11 47 | 15 10 | 23 5 | 23 8 | 24 12 | 8 3 | 1 15 | |
| T 22 | 19 46 | 5 52 | 4 22 | 22 13 | 1 44 | 10 41 | 1 40 | 5 30 | 2 31 | 3 46 | 1 12 | 22 2 | 0 55 | 21 23 | 0 30 | 21 5 | 1 31 | 11 48 | 15 11 | 23 5 | 23 8 | 24 12 | 8 3 | 1 15 | |
| W23 | 19 33 | 0 7 | 4 56 | 21 57 | 1 48 | 10 13 | 1 38 | 5 36 | 2 32 | 3 50 | 1 11 | 22 2 | 0 55 | 21 23 | 0 30 | 21 6 | 1 31 | 11 49 | 15 11 | 23 5 | 23 9 | 24 11 | 8 3 | 1 15 | |
| T 24 | 19 19 | 5n27 | 5 13 | 21 39 | 1 51 | 9 44 | 1 37 | 5 43 | 2 32 | 3 53 | 1 11 | 22 1 | 0 55 | 21 24 | 0 30 | 21 6 | 1 31 | 11 49 | 15 12 | 23 5 | 23 9 | 24 10 | 8 4 | 1 15 | |
| F 25 | 19 5 | 10 36 | 5 12 | 21 21 | 1 54 | 9 15 | 1 35 | 5 49 | 2 33 | 3 57 | 1 11 | 22 1 | 0 55 | 21 24 | 0 30 | 21 6 | 1 31 | 11 50 | 15 12 | 23 6 | 23 9 | 24 10 | 8 4 | 1 15 | |
| S 26 | 18 50 | 15 8 | 4 56 | 21 0 | 1 57 | 8 46 | 1 34 | 5 55 | 2 34 | 4 1 | 1 11 | 22 0 | 0 55 | 21 25 | 0 30 | 21 6 | 1 31 | 11 51 | 15 13 | 23 6 | 23 9 | 24 9 | 8 5 | 1 14 | |
| S 27 | 18 35 | 18 54 | 4 27 | 20 39 | 1 59 | 8 17 | 1 32 | 6 1 | 2 35 | 4 5 | 1 11 | 22 0 | 0 55 | 21 25 | 0 30 | 21 6 | 1 31 | 11 51 | 15 13 | 23 6 | 23 9 | 24 8 | 8 5 | 1 14 | |
| M28 | 18 20 | 21 47 | 3 46 | 20 16 | 2 2 | 7 47 | 1 30 | 6 7 | 2 36 | 4 9 | 1 10 | 21 59 | 0 55 | 21 26 | 0 30 | 21 6 | 1 31 | 11 52 | 15 14 | 23 6 | 23 9 | 24 7 | 8 6 | 1 14 | |
| T 29 | 18 4 | 23 41 | 2 56 | 19 52 | 2 3 | 7 18 | 1 28 | 6 12 | 2 37 | 4 13 | 1 10 | 21 59 | 0 55 | 21 26 | 0 30 | 21 6 | 1 31 | 11 53 | 15 14 | 23 5 | 23 10 | 24 7 | 8 6 | 1 14 | |
| W30 | 17 48 | 24 31 | 1 58 | 19 27 | 2 5 | 6 48 | 1 26 | 6 18 | 2 38 | 4 17 | 1 10 | 21 58 | 0 55 | 21 27 | 0 30 | 21 7 | 1 31 | 11 53 | 15 15 | 23 5 | 23 10 | 24 6 | 8 7 | 1 14 | |
| T 31 | 17s32 | 24n14 | 0n57 | 19s 0 | 2s 6 | 6s18 | 1s24 | 6s23 | 2n39 | 4n21 | 1s10 | 21s58 | 0n55 | 21n27 | 0n30 | 21s 7 | 1n31 | 11n54 | 15n15 | 23s 5 | 23s10 | 24n 5 | 8n 7 | 1n14 | |

Julian Day Number = 2802177.5, Delta T = 50m37s
Ecliptic obliquity = 23°18'54, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°10'41, Lahiri = 37°17'42


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# ASTRODIENST EPHEMERIS for the year 2960
# geocentric

## FEBRUARY 2960 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 8 44 19 | 11♒27'46 | 9♋15 | 14♒ 6 | 18♓30 | 23♎ 8 | 13♈59 | 10♑55 | 25°R17 | 16♐26 | 5°R18 | 7°R47 | 6♑17 | 27♊35 | 17♈55 | F 1 |
| S 2 | 8 48 15 | 12°28'48 | 21°10 | 15°47 | 19°43 | 23°24 | 14° 9 | 11° 2 | 25♋15 | 16°28 | 5♎17 | 7♑46 | 6°14 | 27°42 | 17°57 | S 2 |
| S 3 | 8 52 12 | 13°29'50 | 3♌14 | 17°28 | 20°55 | 23°40 | 14°19 | 11° 8 | 25°13 | 16°29 | 5°16 | 7°43 | 6°11 | 27°48 | 17°59 | S 3 |
| M 4 | 8 56 9 | 14°30'52 | 15°29 | 19°10 | 22° 8 | 23°55 | 14°30 | 11°14 | 25°10 | 16°31 | 5°15 | 7°39 | 6° 8 | 27°55 | 18° 1 | M 4 |
| T 5 | 9 0 5 | 15°31'52 | 27°55 | 20°52 | 23°21 | 24° 9 | 14°41 | 11°21 | 25° 8 | 16°32 | 5°15 | 7°32 | 6° 5 | 28° 2 | 18° 3 | T 5 |
| W 6 | 9 4 2 | 16°32'53 | 10♍33 | 22°35 | 24°33 | 24°23 | 14°51 | 11°27 | 25° 5 | 16°33 | 5°14 | 7°25 | 6° 1 | 28° 8 | 18° 5 | W 6 |
| T 7 | 9 7 58 | 17°33'52 | 23°25 | 24°18 | 25°45 | 24°36 | 15° 2 | 11°33 | 25° 3 | 16°35 | 5°13 | 7°18 | 5°58 | 28°15 | 18° 7 | T 7 |
| F 8 | 9 11 55 | 18°34'51 | 6♎28 | 26° 1 | 26°58 | 24°49 | 15°13 | 11°39 | 25° 1 | 16°36 | 5°12 | 7°11 | 5°55 | 28°22 | 18° 9 | F 8 |
| S 9 | 9 15 51 | 19°35'50 | 19°45 | 27°45 | 28°10 | 25° 2 | 15°24 | 11°45 | 24°58 | 16°37 | 5°11 | 7° 6 | 5°52 | 28°28 | 18°11 | S 9 |
| S 10 | 9 19 48 | 20°36'49 | 3♏14 | 29°29 | 29°22 | 25°13 | 15°35 | 11°52 | 24°56 | 16°39 | 5°10 | 7° 2 | 5°49 | 28°35 | 18°13 | S 10 |
| M11 | 9 23 44 | 21°37'46 | 16°57 | 1♐13 | 0♈34 | 25°25 | 15°47 | 11°58 | 24°54 | 16°40 | 5° 9 | 7°D 1 | 5°45 | 28°42 | 18°15 | M11 |
| T 12 | 9 27 41 | 22°38'44 | 0♑53 | 2°57 | 1°46 | 25°35 | 15°58 | 12° 4 | 24°52 | 16°41 | 5° 8 | 7° 1 | 5°42 | 28°48 | 18°18 | T 12 |
| W13 | 9 31 38 | 23°39'41 | 15° 3 | 4°41 | 2°58 | 25°45 | 16° 9 | 12°10 | 24°49 | 16°42 | 5° 6 | 7° 2 | 5°39 | 28°55 | 18°20 | W13 |
| T 14 | 9 35 34 | 24°40'38 | 29°25 | 6°25 | 4°10 | 25°55 | 16°21 | 12°15 | 24°47 | 16°43 | 5° 5 | 7° 3 | 5°36 | 29° 1 | 18°22 | T 14 |
| F 15 | 9 39 31 | 25°41'34 | 13♑57 | 8° 8 | 5°22 | 26° 4 | 16°33 | 12°21 | 24°45 | 16°44 | 5° 4 | 7°R 3 | 5°33 | 29° 8 | 18°25 | F 15 |
| S 16 | 9 43 27 | 26°42'29 | 28°34 | 9°51 | 6°33 | 26°12 | 16°44 | 12°27 | 24°43 | 16°45 | 5° 3 | 7° 1 | 5°30 | 29°15 | 18°27 | S 16 |
| S 17 | 9 47 24 | 27°43'23 | 13♒11 | 11°32 | 7°45 | 26°20 | 16°56 | 12°33 | 24°41 | 16°46 | 5° 2 | 6°57 | 5°26 | 29°21 | 18°30 | S 17 |
| M18 | 9 51 20 | 28°44'17 | 27°42 | 13°12 | 8°56 | 26°27 | 17° 8 | 12°39 | 24°39 | 16°47 | 5° 1 | 6°50 | 5°23 | 29°28 | 18°32 | M18 |
| T 19 | 9 55 17 | 29°45'09 | 11♓59 | 14°51 | 10° 7 | 26°34 | 17°20 | 12°44 | 24°37 | 16°48 | 4°59 | 6°42 | 5°20 | 29°35 | 18°35 | T 19 |
| W20 | 9 59 13 | 0♓46'00 | 25°57 | 16°28 | 11°19 | 26°39 | 17°32 | 12°50 | 24°35 | 16°49 | 4°58 | 6°32 | 5°17 | 29°41 | 18°37 | W20 |
| T 21 | 10 3 10 | 1°46'50 | 9♈32 | 18° 2 | 12°30 | 26°44 | 17°44 | 12°55 | 24°33 | 16°50 | 4°57 | 6°23 | 5°14 | 29°48 | 18°40 | T 21 |
| F 22 | 10 7 7 | 2°47'39 | 22°41 | 19°33 | 13°41 | 26°49 | 17°57 | 13° 1 | 24°31 | 16°51 | 4°56 | 6°15 | 5°11 | 29°55 | 18°43 | F 22 |
| S 23 | 10 11 3 | 3°48'26 | 5♉27 | 21° 0 | 14°52 | 26°53 | 18° 9 | 13° 6 | 24°29 | 16°52 | 4°54 | 6° 9 | 5° 7 | 0♋ 1 | 18°46 | S 23 |
| S 24 | 10 15 0 | 4°49'12 | 17°52 | 22°23 | 16° 2 | 26°56 | 18°21 | 13°11 | 24°28 | 16°53 | 4°53 | 6° 5 | 5° 4 | 0° 8 | 18°48 | S 24 |
| M25 | 10 18 56 | 5°49'57 | 29°59 | 23°41 | 17°13 | 26°58 | 18°34 | 13°17 | 24°26 | 16°53 | 4°52 | 6° 3 | 5° 1 | 0°15 | 18°51 | M25 |
| T 26 | 10 22 53 | 6°50'40 | 11♊55 | 24°53 | 18°23 | 27° 0 | 18°47 | 13°22 | 24°24 | 16°54 | 4°50 | 6°D 3 | 4°58 | 0°21 | 18°54 | T 26 |
| W27 | 10 26 49 | 7°51'22 | 23°43 | 26° 0 | 19°34 | 27° 1 | 18°59 | 13°27 | 24°22 | 16°55 | 4°49 | 6° 4 | 4°55 | 0°28 | 18°57 | W27 |
| T 28 | 10 30 46 | 8°52'02 | 5♋30 | 26°58 | 20°44 | 27°R 1 | 19°12 | 13°32 | 24°21 | 16°56 | 4°48 | 6°R 4 | 4°51 | 0°34 | 19° 0 | T 28 |
| F 29 | 10 34 42 | 9♓52'40 | 17♋21 | 27♓50 | 21♈54 | 27♎ 0 | 19♈25 | 13♑37 | 24♋19 | 16♐56 | 4♎46 | 6♑ 3 | 4♑48 | 0♋41 | 19♈ 2 | F 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17s15 | 22n52 | 0s 8 | 18s32 | 2s 7 | 5s47 | 1s22 | 6s28 | 2n40 | 4n25 | 1s10 | 21s57 | 0n55 | 21n27 | 0n30 | 21s 7 | 1n31 | 11n55 | 15n15 | 23s 5 | 23s10 | 24n 4 | 8n 8 | 1n14 |
| S 2 | 16 58 | 20 28 | 1 13 | 18 3 | 2 7 | 5 17 | 1 20 | 6 33 | 2 41 | 4 29 | 1 9 | 21 57 | 0 55 | 21 28 | 0 30 | 21 7 | 1 31 | 11 55 | 15 16 | 23 5 | 23 10 | 24 4 | 8 8 | 1 14 |
| S 3 | 16 41 | 17 9 | 2 15 | 17 32 | 2 7 | 4 46 | 1 18 | 6 38 | 2 42 | 4 33 | 1 9 | 21 56 | 0 55 | 21 28 | 0 30 | 21 7 | 1 32 | 11 56 | 15 16 | 23 5 | 23 10 | 24 3 | 8 9 | 1 13 |
| M 4 | 16 24 | 13 4 | 3 11 | 17 0 | 2 6 | 4 16 | 1 15 | 6 43 | 2 42 | 4 37 | 1 9 | 21 56 | 0 55 | 21 29 | 0 30 | 21 7 | 1 32 | 11 57 | 15 17 | 23 6 | 23 10 | 24 2 | 8 10 | 1 13 |
| T 5 | 16 6 | 8 23 | 3 59 | 16 26 | 2 5 | 3 45 | 1 13 | 6 47 | 2 43 | 4 42 | 1 9 | 21 55 | 0 55 | 21 29 | 0 30 | 21 7 | 1 32 | 11 58 | 15 17 | 23 6 | 23 11 | 24 1 | 8 10 | 1 13 |
| W 6 | 15 48 | 3 18 | 4 37 | 15 52 | 2 4 | 3 14 | 1 10 | 6 51 | 2 44 | 4 46 | 1 9 | 21 55 | 0 55 | 21 30 | 0 30 | 21 7 | 1 32 | 11 58 | 15 18 | 23 7 | 23 11 | 24 1 | 8 11 | 1 13 |
| T 7 | 15 29 | 2s 0 | 5 1 | 15 16 | 2 1 | 2 43 | 1 8 | 6 55 | 2 45 | 4 50 | 1 9 | 21 54 | 0 55 | 21 30 | 0 30 | 21 7 | 1 32 | 11 59 | 15 18 | 23 7 | 23 11 | 24 0 | 8 11 | 1 13 |
| F 8 | 15 11 | 7 18 | 5 10 | 14 39 | 1 59 | 2 12 | 1 5 | 6 59 | 2 46 | 4 55 | 1 8 | 21 54 | 0 55 | 21 30 | 0 30 | 21 7 | 1 32 | 12 0 | 15 18 | 23 7 | 23 11 | 23 59 | 8 12 | 1 13 |
| S 9 | 14 52 | 12 21 | 5 2 | 14 0 | 1 56 | 1 41 | 1 2 | 7 3 | 2 47 | 4 59 | 1 8 | 21 53 | 0 55 | 21 31 | 0 30 | 21 7 | 1 32 | 12 1 | 15 19 | 23 8 | 23 11 | 23 58 | 8 13 | 1 13 |
| S 10 | 14 33 | 16 53 | 4 38 | 13 21 | 1 52 | 1 10 | 1 0 | 7 6 | 2 48 | 5 3 | 1 8 | 21 53 | 0 55 | 21 31 | 0 30 | 21 8 | 1 32 | 12 1 | 15 19 | 23 8 | 23 11 | 23 57 | 8 14 | 1 12 |
| M11 | 14 13 | 20 37 | 3 58 | 12 40 | 1 48 | 0 38 | 0 57 | 7 9 | 2 49 | 5 8 | 1 8 | 21 52 | 0 55 | 21 32 | 0 30 | 21 8 | 1 32 | 12 2 | 15 20 | 23 8 | 23 11 | 23 57 | 8 14 | 1 12 |
| T 12 | 13 54 | 23 13 | 3 3 | 11 58 | 1 43 | 0 7 | 0 54 | 7 12 | 2 50 | 5 12 | 1 8 | 21 52 | 0 55 | 21 32 | 0 30 | 21 8 | 1 32 | 12 3 | 15 20 | 23 8 | 23 12 | 23 56 | 8 15 | 1 12 |
| W13 | 13 34 | 24 24 | 1 56 | 11 15 | 1 38 | 0n24 | 0 51 | 7 15 | 2 51 | 5 17 | 1 7 | 21 51 | 0 55 | 21 32 | 0 30 | 21 8 | 1 32 | 12 4 | 15 21 | 23 8 | 23 12 | 23 55 | 8 16 | 1 12 |
| T 14 | 13 14 | 24 0 | 0 41 | 10 32 | 1 31 | 0 55 | 0 47 | 7 18 | 2 52 | 5 22 | 1 7 | 21 50 | 0 55 | 21 33 | 0 30 | 21 8 | 1 32 | 12 5 | 15 21 | 23 8 | 23 12 | 23 54 | 8 17 | 1 12 |
| F 15 | 12 53 | 21 58 | 0n37 | 9 47 | 1 25 | 1 26 | 0 44 | 7 20 | 2 53 | 5 26 | 1 7 | 21 50 | 0 55 | 21 33 | 0 30 | 21 8 | 1 32 | 12 5 | 15 21 | 23 8 | 23 12 | 23 53 | 8 17 | 1 12 |
| S 16 | 12 33 | 18 29 | 1 53 | 9 2 | 1 17 | 1 58 | 0 41 | 7 22 | 2 53 | 5 31 | 1 7 | 21 49 | 0 55 | 21 34 | 0 30 | 21 8 | 1 32 | 12 6 | 15 22 | 23 8 | 23 12 | 23 52 | 8 18 | 1 12 |
| S 17 | 12 12 | 13 52 | 3 2 | 8 16 | 1 9 | 2 29 | 0 38 | 7 24 | 2 54 | 5 35 | 1 7 | 21 49 | 0 55 | 21 34 | 0 30 | 21 8 | 1 32 | 12 7 | 15 22 | 23 8 | 23 12 | 23 52 | 8 19 | 1 12 |
| M18 | 11 51 | 8 29 | 3 58 | 7 29 | 1 0 | 3 0 | 0 34 | 7 26 | 2 55 | 5 40 | 1 7 | 21 48 | 0 55 | 21 34 | 0 30 | 21 8 | 1 32 | 12 8 | 15 22 | 23 8 | 23 12 | 23 51 | 8 20 | 1 12 |
| T 19 | 11 30 | 2 44 | 4 38 | 6 43 | 0 50 | 3 31 | 0 31 | 7 27 | 2 56 | 5 45 | 1 7 | 21 48 | 0 55 | 21 35 | 0 30 | 21 8 | 1 32 | 12 9 | 15 23 | 23 9 | 23 12 | 23 50 | 8 21 | 1 11 |
| W20 | 11 9 | 3n 0 | 5 1 | 5 56 | 0 40 | 4 2 | 0 27 | 7 28 | 2 57 | 5 50 | 1 6 | 21 47 | 0 55 | 21 35 | 0 30 | 21 8 | 1 32 | 12 9 | 15 23 | 23 9 | 23 13 | 23 49 | 8 22 | 1 11 |
| T 21 | 10 47 | 8 26 | 5 6 | 5 9 | 0 29 | 4 33 | 0 23 | 7 30 | 2 58 | 5 54 | 1 6 | 21 47 | 0 55 | 21 35 | 0 30 | 21 8 | 1 32 | 12 10 | 15 23 | 23 10 | 23 13 | 23 48 | 8 23 | 1 11 |
| F 22 | 10 25 | 13 19 | 4 54 | 4 23 | 0 17 | 5 4 | 0 20 | 7 30 | 2 59 | 5 59 | 1 6 | 21 46 | 0 55 | 21 36 | 0 30 | 21 8 | 1 32 | 12 11 | 15 24 | 23 10 | 23 13 | 23 47 | 8 23 | 1 11 |
| S 23 | 10 4 | 17 28 | 4 27 | 3 37 | 0 4 | 5 35 | 0 16 | 7 31 | 2 59 | 6 4 | 1 6 | 21 46 | 0 55 | 21 36 | 0 30 | 21 8 | 1 32 | 12 12 | 15 24 | 23 10 | 23 13 | 23 46 | 8 24 | 1 11 |
| S 24 | 9 42 | 20 44 | 3 49 | 2 52 | 0n 9 | 6 5 | 0 12 | 7 31 | 3 0 | 6 9 | 1 6 | 21 45 | 0 55 | 21 36 | 0 30 | 21 8 | 1 32 | 12 13 | 15 24 | 23 11 | 23 13 | 23 46 | 8 25 | 1 11 |
| M25 | 9 20 | 22 59 | 3 1 | 2 8 | 0 23 | 6 36 | 0 8 | 7 31 | 3 1 | 6 14 | 1 6 | 21 45 | 0 55 | 21 37 | 0 30 | 21 8 | 1 32 | 12 13 | 15 25 | 23 11 | 23 13 | 23 45 | 8 26 | 1 11 |
| T 26 | 8 57 | 24 11 | 2 6 | 1 27 | 0 38 | 7 6 | 0 4 | 7 31 | 3 2 | 6 18 | 1 6 | 21 44 | 0 55 | 21 37 | 0 30 | 21 8 | 1 33 | 12 14 | 15 25 | 23 11 | 23 13 | 23 44 | 8 27 | 1 11 |
| W27 | 8 35 | 24 16 | 1 6 | 0 47 | 0 53 | 7 37 | 0 0 | 7 31 | 3 2 | 6 23 | 1 5 | 21 44 | 0 55 | 21 37 | 0 30 | 21 8 | 1 33 | 12 15 | 15 25 | 23 11 | 23 13 | 23 43 | 8 28 | 1 10 |
| T 28 | 8 12 | 23 15 | 0 3 | 0 10 | 1 8 | 8 7 | 0n 4 | 7 30 | 3 3 | 6 28 | 1 5 | 21 43 | 0 55 | 21 37 | 0 30 | 21 8 | 1 33 | 12 16 | 15 26 | 23 11 | 23 14 | 23 42 | 8 29 | 1 10 |
| F 29 | 7s50 | 21n12 | 1s 0 | 0n25 | 1n23 | 8n37 | 0n 8 | 7s29 | 3n 4 | 6n33 | 1s 5 | 21s43 | 0n55 | 21n38 | 0n30 | 21s 8 | 1n33 | 12n17 | 15n26 | 23s11 | 23s14 | 23n41 | 8n30 | 1n10 |

Julian Day Number = 2802208.5, Delta T = 50m38s
Ecliptic obliquity = 23°18'54, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°10'45, Lahiri = 37°17'46


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# ASTRODIENST EPHEMERIS for the year 2960
# geocentric

## MARCH 2960 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 38 39 | 10♓53'17 | 29♋21 | 28♓32 | 23♈ 4 | 26°R59 | 19♈38 | 13♑42 | 24°R18 | 16♐57 | 4°R45 | 6°R 1 | 4♑45 | 0♋48 | 19♈ 5 | S 1 |
| S 2 | 10 42 36 | 11°53'52 | 11♌33 | 29° 5 | 24°14 | 26♎57 | 19°51 | 13°47 | 24♋16 | 16°57 | 4♎43 | 5♑55 | 4°42 | 0°54 | 19° 8 | S 2 |
| M 3 | 10 46 32 | 12°54'26 | 24° 0 | 29°29 | 25°24 | 26°54 | 20° 4 | 13°51 | 24°15 | 16°58 | 4°42 | 5°47 | 4°39 | 1° 1 | 19°11 | M 3 |
| T 4 | 10 50 29 | 13°54'59 | 6♍43 | 29°43 | 26°33 | 26°51 | 20°17 | 13°56 | 24°13 | 16°58 | 4°40 | 5°37 | 4°36 | 1° 8 | 19°14 | T 4 |
| W 5 | 10 54 25 | 14°55'29 | 19°42 | 29°R46 | 27°42 | 26°46 | 20°30 | 14° 1 | 24°12 | 16°59 | 4°39 | 5°25 | 4°32 | 1°14 | 19°17 | W 5 |
| T 6 | 10 58 22 | 15°55'59 | 2♎57 | 29°39 | 28°52 | 26°41 | 20°43 | 14° 5 | 24°10 | 16°59 | 4°37 | 5°13 | 4°29 | 1°21 | 19°21 | T 6 |
| F 7 | 11 2 18 | 16°56'27 | 16°25 | 29°22 | 0♉ 1 | 26°35 | 20°56 | 14°10 | 24° 9 | 17° 0 | 4°36 | 5° 1 | 4°26 | 1°28 | 19°24 | F 7 |
| S 8 | 11 6 15 | 17°56'53 | 0♏ 4 | 28°55 | 1°10 | 26°29 | 21°10 | 14°14 | 24° 8 | 17° 0 | 4°34 | 4°51 | 4°23 | 1°34 | 19°27 | S 8 |
| S 9 | 11 10 11 | 18°57'18 | 13°51 | 28°20 | 2°18 | 26°21 | 21°23 | 14°18 | 24° 7 | 17° 0 | 4°33 | 4°44 | 4°20 | 1°41 | 19°30 | S 9 |
| M10 | 11 14 8 | 19°57'42 | 27°45 | 27°36 | 3°27 | 26°13 | 21°36 | 14°23 | 24° 6 | 17° 1 | 4°31 | 4°40 | 4°17 | 1°48 | 19°33 | M10 |
| T 11 | 11 18 5 | 20°58'05 | 11♐44 | 26°45 | 4°35 | 26° 4 | 21°50 | 14°27 | 24° 5 | 17° 1 | 4°30 | 4°38 | 4°13 | 1°54 | 19°36 | T 11 |
| W12 | 11 22 1 | 21°58'27 | 25°47 | 25°49 | 5°43 | 25°54 | 22° 3 | 14°31 | 24° 3 | 17° 1 | 4°28 | 4°D38 | 4°10 | 2° 1 | 19°40 | W12 |
| T 13 | 11 25 58 | 22°58'47 | 9♑55 | 24°48 | 6°51 | 25°44 | 22°17 | 14°35 | 24° 2 | 17° 1 | 4°27 | 4°R38 | 4° 7 | 2° 8 | 19°43 | T 13 |
| F 14 | 11 29 54 | 23°59'06 | 24° 5 | 23°45 | 7°59 | 25°32 | 22°31 | 14°39 | 24° 2 | 17° 2 | 4°25 | 4°37 | 4° 4 | 2°14 | 19°46 | F 14 |
| S 15 | 11 33 51 | 24°59'23 | 8♒16 | 22°41 | 9° 7 | 25°20 | 22°44 | 14°43 | 24° 1 | 17° 2 | 4°23 | 4°34 | 4° 1 | 2°21 | 19°49 | S 15 |
| S 16 | 11 37 47 | 25°59'39 | 22°26 | 21°38 | 10°14 | 25° 7 | 22°58 | 14°46 | 24° 0 | 17° 2 | 4°22 | 4°27 | 3°57 | 2°27 | 19°53 | S 16 |
| M17 | 11 41 44 | 26°59'54 | 6♓30 | 20°36 | 11°21 | 24°54 | 23°12 | 14°50 | 23°59 | 17° 2 | 4°20 | 4°18 | 3°54 | 2°34 | 19°56 | M17 |
| T 18 | 11 45 40 | 28° 0'06 | 20°25 | 19°38 | 12°28 | 24°39 | 23°26 | 14°54 | 23°58 | 17°R 2 | 4°19 | 4° 7 | 3°51 | 2°41 | 19°59 | T 18 |
| W19 | 11 49 37 | 29° 0'17 | 4♈ 6 | 18°44 | 13°35 | 24°24 | 23°40 | 14°57 | 23°58 | 17° 2 | 4°17 | 3°54 | 3°48 | 2°47 | 20° 3 | W19 |
| T 20 | 11 53 33 | 0♈ 0'27 | 17°29 | 17°56 | 14°42 | 24° 9 | 23°54 | 15° 1 | 23°57 | 17° 2 | 4°15 | 3°41 | 3°45 | 2°54 | 20° 6 | T 20 |
| F 21 | 11 57 30 | 1° 0'34 | 0♉32 | 17°13 | 15°48 | 23°52 | 24° 8 | 15° 4 | 23°56 | 17° 2 | 4°14 | 3°29 | 3°42 | 3° 1 | 20° 9 | F 21 |
| S 22 | 12 1 27 | 2° 0'40 | 13°15 | 16°37 | 16°54 | 23°35 | 24°22 | 15° 7 | 23°56 | 17° 2 | 4°12 | 3°19 | 3°38 | 3° 7 | 20°13 | S 22 |
| S 23 | 12 5 23 | 3° 0'43 | 25°39 | 16° 7 | 18° 0 | 23°17 | 24°36 | 15°10 | 23°55 | 17° 1 | 4°11 | 3°12 | 3°35 | 3°14 | 20°16 | S 23 |
| M24 | 12 9 20 | 4° 0'45 | 7♊46 | 15°44 | 19° 6 | 22°59 | 24°50 | 15°13 | 23°55 | 17° 1 | 4° 9 | 3° 8 | 3°32 | 3°21 | 20°20 | M24 |
| T 25 | 12 13 16 | 5° 0'44 | 19°42 | 15°27 | 20°11 | 22°40 | 25° 4 | 15°16 | 23°54 | 17° 1 | 4° 7 | 3° 7 | 3°29 | 3°27 | 20°23 | T 25 |
| W26 | 12 17 13 | 6° 0'42 | 1♋31 | 15°18 | 21°16 | 22°21 | 25°18 | 15°19 | 23°54 | 17° 1 | 4° 6 | 3° 6 | 3°26 | 3°34 | 20°27 | W26 |
| T 27 | 12 21 9 | 7° 0'37 | 13°19 | 15°D14 | 22°21 | 22° 1 | 25°32 | 15°22 | 23°54 | 17° 1 | 4° 4 | 3° 6 | 3°22 | 3°41 | 20°30 | T 27 |
| F 28 | 12 25 6 | 8° 0'30 | 25°11 | 15°17 | 23°26 | 21°40 | 25°46 | 15°25 | 23°54 | 17° 0 | 4° 3 | 3° 5 | 3°19 | 3°47 | 20°34 | F 28 |
| S 29 | 12 29 2 | 9° 0'21 | 7♌13 | 15°26 | 24°30 | 21°19 | 26° 1 | 15°27 | 23°53 | 17° 0 | 4° 1 | 3° 2 | 3°16 | 3°54 | 20°37 | S 29 |
| S 30 | 12 32 59 | 10° 0'10 | 19°29 | 15°40 | 25°34 | 20°58 | 26°15 | 15°30 | 23°53 | 17° 0 | 3°59 | 2°57 | 3°13 | 4° 0 | 20°41 | S 30 |
| M31 | 12 36 56 | 10♈59'56 | 2♍ 3 | 16♓ 0 | 26♉38 | 20♎36 | 26♈29 | 15♑32 | 23♋53 | 16♐59 | 3♎58 | 2♑49 | 3♑10 | 4♋ 7 | 20♈44 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7s27 | 18n12 | 2s 1 | 0n56 | 1n39 | 9n 6 | 0n12 | 7s28 | 3n 5 | 6n38 | 1s 5 | 21s42 | 0n55 | 21n38 | 0n30 | 21s 8 | 1n33 | 12n17 | 15n26 | 23s11 | 23s14 | 23n40 | 8n31 | 1n10 |
| S 2 | 7 4 | 14 23 | 2 57 | 1 24 | 1 54 | 9 36 | 0 16 | 7 27 | 3 5 | 6 43 | 1 5 | 21 42 | 0 55 | 21 38 | 0 30 | 21 8 | 1 33 | 12 18 | 15 26 | 23 11 | 23 14 | 23 39 | 8 32 | 1 10 |
| M 3 | 6 41 | 9 53 | 3 46 | 1 47 | 2 10 | 10 5 | 0 20 | 7 25 | 3 6 | 6 48 | 1 5 | 21 41 | 0 55 | 21 38 | 0 30 | 21 8 | 1 33 | 12 19 | 15 27 | 23 11 | 23 14 | 23 38 | 8 33 | 1 10 |
| T 4 | 6 18 | 4 54 | 4 25 | 2 6 | 2 25 | 10 34 | 0 24 | 7 24 | 3 6 | 6 53 | 1 5 | 21 41 | 0 55 | 21 39 | 0 30 | 21 8 | 1 33 | 12 20 | 15 27 | 23 12 | 23 14 | 23 37 | 8 34 | 1 10 |
| W 5 | 5 55 | 0s24 | 4 51 | 2 20 | 2 39 | 11 3 | 0 29 | 7 21 | 3 7 | 6 58 | 1 5 | 21 40 | 0 55 | 21 39 | 0 30 | 21 8 | 1 33 | 12 21 | 15 27 | 23 12 | 23 14 | 23 36 | 8 35 | 1 10 |
| T 6 | 5 31 | 5 47 | 5 2 | 2 30 | 2 52 | 11 32 | 0 33 | 7 19 | 3 8 | 7 3 | 1 4 | 21 40 | 0 55 | 21 39 | 0 30 | 21 8 | 1 33 | 12 21 | 15 27 | 23 13 | 23 14 | 23 35 | 8 36 | 1 10 |
| F 7 | 5 8 | 10 59 | 4 56 | 2 34 | 3 4 | 12 0 | 0 37 | 7 17 | 3 8 | 7 8 | 1 4 | 21 39 | 0 55 | 21 39 | 0 30 | 21 8 | 1 33 | 12 22 | 15 28 | 23 13 | 23 14 | 23 34 | 8 37 | 1 10 |
| S 8 | 4 44 | 15 42 | 4 34 | 2 33 | 3 14 | 12 28 | 0 42 | 7 14 | 3 9 | 7 13 | 1 4 | 21 39 | 0 55 | 21 40 | 0 30 | 21 8 | 1 33 | 12 23 | 15 28 | 23 14 | 23 15 | 23 34 | 8 39 | 1 9 |
| S 9 | 4 21 | 19 39 | 3 55 | 2 27 | 3 23 | 12 56 | 0 46 | 7 11 | 3 9 | 7 18 | 1 4 | 21 38 | 0 55 | 21 40 | 0 30 | 21 8 | 1 33 | 12 24 | 15 28 | 23 14 | 23 15 | 23 33 | 8 40 | 1 9 |
| M10 | 3 57 | 22 31 | 3 2 | 2 16 | 3 30 | 13 24 | 0 51 | 7 7 | 3 9 | 7 23 | 1 4 | 21 38 | 0 55 | 21 40 | 0 30 | 21 8 | 1 33 | 12 24 | 15 28 | 23 14 | 23 15 | 23 32 | 8 41 | 1 9 |
| T 11 | 3 34 | 24 2 | 1 58 | 2 1 | 3 35 | 13 51 | 0 55 | 7 4 | 3 10 | 7 29 | 1 4 | 21 38 | 0 55 | 21 40 | 0 30 | 21 8 | 1 33 | 12 25 | 15 28 | 23 14 | 23 15 | 23 31 | 8 42 | 1 9 |
| W12 | 3 10 | 24 2 | 0 47 | 1 41 | 3 38 | 14 18 | 1 0 | 7 0 | 3 10 | 7 34 | 1 4 | 21 37 | 0 55 | 21 40 | 0 30 | 21 8 | 1 33 | 12 26 | 15 28 | 23 14 | 23 15 | 23 30 | 8 43 | 1 9 |
| T 13 | 2 46 | 22 29 | 0n28 | 1 18 | 3 39 | 14 45 | 1 4 | 6 56 | 3 10 | 7 39 | 1 4 | 21 37 | 0 55 | 21 40 | 0 29 | 21 8 | 1 33 | 12 27 | 15 29 | 23 14 | 23 15 | 23 29 | 8 44 | 1 9 |
| F 14 | 2 23 | 19 31 | 1 41 | 0 52 | 3 37 | 15 11 | 1 9 | 6 52 | 3 11 | 7 44 | 1 4 | 21 36 | 0 55 | 21 41 | 0 29 | 21 8 | 1 33 | 12 27 | 15 29 | 23 14 | 23 15 | 23 28 | 8 45 | 1 9 |
| S 15 | 1 59 | 15 24 | 2 48 | 0 23 | 3 34 | 15 37 | 1 14 | 6 47 | 3 11 | 7 49 | 1 3 | 21 36 | 0 55 | 21 41 | 0 29 | 21 8 | 1 33 | 12 28 | 15 29 | 23 14 | 23 15 | 23 27 | 8 46 | 1 9 |
| S 16 | 1 35 | 10 26 | 3 44 | 0s 7 | 3 28 | 16 3 | 1 18 | 6 43 | 3 11 | 7 54 | 1 3 | 21 35 | 0 55 | 21 41 | 0 29 | 21 8 | 1 33 | 12 29 | 15 29 | 23 14 | 23 15 | 23 26 | 8 48 | 1 9 |
| M17 | 1 11 | 4 57 | 4 26 | 0 38 | 3 20 | 16 28 | 1 23 | 6 38 | 3 11 | 7 59 | 1 3 | 21 35 | 0 55 | 21 41 | 0 29 | 21 8 | 1 34 | 12 30 | 15 29 | 23 15 | 23 15 | 23 25 | 8 49 | 1 9 |
| T 18 | 0 47 | 0n42 | 4 52 | 1 9 | 3 11 | 16 53 | 1 27 | 6 32 | 3 11 | 8 5 | 1 3 | 21 35 | 0 55 | 21 41 | 0 29 | 21 8 | 1 34 | 12 30 | 15 29 | 23 15 | 23 16 | 23 24 | 8 50 | 1 8 |
| W19 | 0 24 | 6 13 | 5 0 | 1 40 | 3 0 | 17 18 | 1 32 | 6 27 | 3 11 | 8 10 | 1 3 | 21 34 | 0 55 | 21 41 | 0 29 | 21 8 | 1 34 | 12 31 | 15 29 | 23 15 | 23 16 | 23 23 | 8 51 | 1 8 |
| T 20 | 0n 0 | 11 19 | 4 52 | 2 10 | 2 48 | 17 42 | 1 37 | 6 22 | 3 11 | 8 15 | 1 3 | 21 34 | 0 55 | 21 41 | 0 29 | 21 8 | 1 34 | 12 32 | 15 30 | 23 16 | 23 16 | 23 22 | 8 52 | 1 8 |
| F 21 | 0 24 | 15 47 | 4 28 | 2 38 | 2 35 | 18 6 | 1 41 | 6 16 | 3 10 | 8 20 | 1 3 | 21 33 | 0 55 | 21 41 | 0 29 | 21 8 | 1 34 | 12 33 | 15 30 | 23 16 | 23 16 | 23 21 | 8 54 | 1 8 |
| S 22 | 0 48 | 19 25 | 3 51 | 3 5 | 2 22 | 18 30 | 1 46 | 6 10 | 3 10 | 8 25 | 1 3 | 21 33 | 0 55 | 21 41 | 0 29 | 21 8 | 1 34 | 12 33 | 15 30 | 23 16 | 23 16 | 23 20 | 8 55 | 1 8 |
| S 23 | 1 12 | 22 3 | 3 4 | 3 30 | 2 7 | 18 53 | 1 51 | 6 4 | 3 10 | 8 30 | 1 3 | 21 33 | 0 55 | 21 42 | 0 29 | 21 8 | 1 34 | 12 34 | 15 30 | 23 17 | 23 16 | 23 18 | 8 56 | 1 8 |
| M24 | 1 35 | 23 38 | 2 10 | 3 52 | 1 53 | 19 15 | 1 55 | 5 57 | 3 9 | 8 36 | 1 3 | 21 32 | 0 55 | 21 42 | 0 29 | 21 8 | 1 34 | 12 35 | 15 30 | 23 17 | 23 16 | 23 17 | 8 57 | 1 8 |
| T 25 | 1 59 | 24 5 | 1 10 | 4 12 | 1 38 | 19 38 | 2 0 | 5 51 | 3 9 | 8 41 | 1 3 | 21 32 | 0 55 | 21 42 | 0 29 | 21 8 | 1 34 | 12 35 | 15 30 | 23 17 | 23 16 | 23 16 | 8 58 | 1 8 |
| W26 | 2 23 | 23 27 | 0 8 | 4 29 | 1 23 | 19 59 | 2 5 | 5 44 | 3 8 | 8 46 | 1 3 | 21 32 | 0 55 | 21 42 | 0 29 | 21 8 | 1 34 | 12 36 | 15 30 | 23 17 | 23 16 | 23 15 | 9 0 | 1 8 |
| T 27 | 2 46 | 21 45 | 0s54 | 4 44 | 1 9 | 20 21 | 2 9 | 5 37 | 3 8 | 8 51 | 1 2 | 21 31 | 0 55 | 21 42 | 0 29 | 21 8 | 1 34 | 12 37 | 15 30 | 23 17 | 23 16 | 23 14 | 9 1 | 1 8 |
| F 28 | 3 10 | 19 7 | 1 54 | 4 56 | 0 54 | 20 42 | 2 14 | 5 31 | 3 7 | 8 56 | 1 2 | 21 31 | 0 55 | 21 42 | 0 29 | 21 7 | 1 34 | 12 37 | 15 30 | 23 17 | 23 16 | 23 13 | 9 2 | 1 8 |
| S 29 | 3 33 | 15 38 | 2 50 | 5 6 | 0 40 | 21 2 | 2 18 | 5 23 | 3 6 | 9 2 | 1 2 | 21 31 | 0 55 | 21 42 | 0 29 | 21 7 | 1 34 | 12 38 | 15 30 | 23 17 | 23 16 | 23 12 | 9 3 | 1 7 |
| S 30 | 3 57 | 11 25 | 3 39 | 5 13 | 0 26 | 21 22 | 2 23 | 5 16 | 3 5 | 9 7 | 1 2 | 21 30 | 0 55 | 21 42 | 0 29 | 21 7 | 1 34 | 12 39 | 15 30 | 23 17 | 23 17 | 23 11 | 9 5 | 1 7 |
| M31 | 4n20 | 6n39 | 4s19 | 5s18 | 0n13 | 21n41 | 2n28 | 5s 9 | 3n 4 | 9n12 | 1s 2 | 21s30 | 0n55 | 21n42 | 0n29 | 21s 7 | 1n34 | 12n39 | 15n30 | 23s17 | 23s17 | 23n10 | 9n 6 | 1n 7 |

Julian Day Number = 2802237.5, Delta T = 50m38s
Ecliptic obliquity = 23°18'55, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°10'49, Lahiri = 37°17'50


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# ASTRODIENST EPHEMERIS for the year 2960
# geocentric

## APRIL 2960 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 40 52 | 11♈59'41 | 14♍58 | 16♓24 | 27♉41 | 20°R14 | 26♈43 | 15♑35 | 23°D53 | 16°R59 | 3°R56 | 2°R39 | 3♑ 7 | 4♋14 | 20♈48 | T 1 |
| W 2 | 12 44 49 | 12°59'23 | 28°14 | 16°54 | 28°44 | 19♎51 | 26°58 | 15°37 | 23♋53 | 16♐58 | 3♎55 | 2♑27 | 3° 3 | 4°20 | 20°51 | W 2 |
| T 3 | 12 48 45 | 13°59'03 | 11♎51 | 17°28 | 29°47 | 19°29 | 27°12 | 15°39 | 23°53 | 16°58 | 3°53 | 2°15 | 3° 0 | 4°27 | 20°55 | T 3 |
| F 4 | 12 52 42 | 14°58'42 | 25°44 | 18° 6 | 0♊49 | 19° 6 | 27°26 | 15°41 | 23°54 | 16°57 | 3°51 | 2° 3 | 2°57 | 4°34 | 20°58 | F 4 |
| S 5 | 12 56 38 | 15°58'18 | 9♏49 | 18°48 | 1°51 | 18°43 | 27°41 | 15°43 | 23°54 | 16°57 | 3°50 | 1°53 | 2°54 | 4°40 | 21° 2 | S 5 |
| S 6 | 13 0 35 | 16°57'53 | 24° 2 | 19°33 | 2°53 | 18°19 | 27°55 | 15°45 | 23°54 | 16°56 | 3°48 | 1°46 | 2°51 | 4°47 | 21° 5 | S 6 |
| M 7 | 13 4 31 | 17°57'26 | 8♐19 | 20°23 | 3°54 | 17°56 | 28°10 | 15°46 | 23°54 | 16°56 | 3°47 | 1°41 | 2°48 | 4°54 | 21° 9 | M 7 |
| T 8 | 13 8 28 | 18°56'58 | 22°34 | 21°15 | 4°55 | 17°32 | 28°24 | 15°48 | 23°55 | 16°55 | 3°45 | 1°39 | 2°44 | 5° 0 | 21°12 | T 8 |
| W 9 | 13 12 25 | 19°56'28 | 6♑46 | 22°10 | 5°55 | 17° 9 | 28°38 | 15°50 | 23°55 | 16°54 | 3°44 | 1°D39 | 2°41 | 5° 7 | 21°16 | W 9 |
| T 10 | 13 16 21 | 20°55'56 | 20°53 | 23° 9 | 6°55 | 16°46 | 28°53 | 15°51 | 23°56 | 16°53 | 3°42 | 1°R39 | 2°38 | 5°14 | 21°20 | T 10 |
| F 11 | 13 20 18 | 21°55'22 | 4♒54 | 24°10 | 7°55 | 16°22 | 29° 7 | 15°53 | 23°56 | 16°53 | 3°41 | 1°39 | 2°35 | 5°20 | 21°23 | F 11 |
| S 12 | 13 24 14 | 22°54'47 | 18°49 | 25°14 | 8°54 | 15°59 | 29°22 | 15°54 | 23°57 | 16°52 | 3°39 | 1°36 | 2°32 | 5°27 | 21°27 | S 12 |
| S 13 | 13 28 11 | 23°54'09 | 2♓36 | 26°20 | 9°53 | 15°36 | 29°36 | 15°55 | 23°57 | 16°51 | 3°38 | 1°31 | 2°28 | 5°33 | 21°30 | S 13 |
| M14 | 13 32 7 | 24°53'30 | 16°15 | 27°28 | 10°51 | 15°13 | 29°51 | 15°56 | 23°58 | 16°50 | 3°36 | 1°23 | 2°25 | 5°40 | 21°34 | M14 |
| T 15 | 13 36 4 | 25°52'50 | 29°43 | 28°39 | 11°49 | 14°50 | 0♉ 5 | 15°57 | 23°59 | 16°50 | 3°35 | 1°13 | 2°22 | 5°47 | 21°37 | T 15 |
| W16 | 13 40 0 | 26°52'07 | 12♈59 | 29°52 | 12°47 | 14°28 | 0°20 | 15°58 | 24° 0 | 16°49 | 3°33 | 1° 2 | 2°19 | 5°53 | 21°41 | W16 |
| T 17 | 13 43 57 | 27°51'23 | 26° 2 | 1♈ 7 | 13°43 | 14° 6 | 0°34 | 15°59 | 24° 1 | 16°48 | 3°32 | 0°51 | 2°16 | 6° 0 | 21°45 | T 17 |
| F 18 | 13 47 54 | 28°50'36 | 8♉49 | 2°24 | 14°40 | 13°44 | 0°49 | 15°59 | 24° 1 | 16°47 | 3°30 | 0°41 | 2°13 | 6° 7 | 21°48 | F 18 |
| S 19 | 13 51 50 | 29°49'48 | 21°20 | 3°43 | 15°36 | 13°23 | 1° 4 | 16° 0 | 24° 2 | 16°46 | 3°29 | 0°32 | 2° 9 | 6°13 | 21°52 | S 19 |
| S 20 | 13 55 47 | 0♉48'57 | 3♊37 | 5° 4 | 16°31 | 13° 2 | 1°18 | 16° 0 | 24° 3 | 16°45 | 3°27 | 0°26 | 2° 6 | 6°20 | 21°55 | S 20 |
| M21 | 13 59 43 | 1°48'04 | 15°41 | 6°26 | 17°25 | 12°42 | 1°33 | 16° 1 | 24° 5 | 16°44 | 3°26 | 0°23 | 2° 3 | 6°27 | 21°59 | M21 |
| T 22 | 14 3 40 | 2°47'10 | 27°35 | 7°50 | 18°20 | 12°22 | 1°47 | 16° 1 | 24° 6 | 16°43 | 3°25 | 0°D21 | 2° 0 | 6°33 | 22° 2 | T 22 |
| W23 | 14 7 36 | 3°46'13 | 9♋24 | 9°16 | 19°13 | 12° 3 | 2° 2 | 16° 1 | 24° 7 | 16°42 | 3°23 | 0°22 | 1°57 | 6°40 | 22° 6 | W23 |
| T 24 | 14 11 33 | 4°45'13 | 21°11 | 10°44 | 20° 6 | 11°44 | 2°16 | 16°R 1 | 24° 8 | 16°41 | 3°22 | 0°23 | 1°54 | 6°47 | 22° 9 | T 24 |
| F 25 | 14 15 29 | 5°44'12 | 3♌ 3 | 12°14 | 20°58 | 11°26 | 2°31 | 16° 1 | 24° 9 | 16°40 | 3°21 | 0°R23 | 1°50 | 6°53 | 22°13 | F 25 |
| S 26 | 14 19 26 | 6°43'08 | 15° 5 | 13°45 | 21°49 | 11° 9 | 2°45 | 16° 1 | 24°11 | 16°38 | 3°19 | 0°23 | 1°47 | 7° 0 | 22°16 | S 26 |
| S 27 | 14 23 23 | 7°42'02 | 27°21 | 15°17 | 22°40 | 10°52 | 3° 0 | 16° 1 | 24°12 | 16°37 | 3°18 | 0°21 | 1°44 | 7° 6 | 22°20 | S 27 |
| M28 | 14 27 19 | 8°40'54 | 9♍57 | 16°52 | 23°30 | 10°36 | 3°14 | 16° 0 | 24°13 | 16°36 | 3°17 | 0°17 | 1°41 | 7°13 | 22°23 | M28 |
| T 29 | 14 31 16 | 9°39'43 | 22°55 | 18°27 | 24°19 | 10°21 | 3°29 | 16° 0 | 24°15 | 16°35 | 3°16 | 0°11 | 1°38 | 7°20 | 22°27 | T 29 |
| W30 | 14 35 12 | 10♉38'30 | 6♎19 | 20♈ 5 | 25♊ 7 | 10♎ 6 | 3♉43 | 15♑59 | 24♋16 | 16♐34 | 3♎14 | 0♑ 3 | 1♑34 | 7♋26 | 22♈30 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4n43 | 1n28 | 4s47 | 5s20 | 0s 0 | 22n 1 | 2n32 | 5s 2 | 3n 3 | 9n17 | 1s 2 | 21s30 | 0n55 | 21n42 | 0n29 | 21s 7 | 1n34 | 12n40 | 15n30 | 23s17 | 23s17 | 23n 9 | 9n 7 | 1n 7 |
| W 2 | 5 6 | 3s54 | 5 0 | 5 21 | 0 13 | 22 19 | 2 37 | 4 55 | 3 2 | 9 22 | 1 2 | 21 29 | 0 55 | 21 42 | 0 29 | 21 7 | 1 34 | 12 41 | 15 30 | 23 18 | 23 17 | 23 8 | 9 8 | 1 7 |
| T 3 | 5 29 | 9 13 | 4 57 | 5 19 | 0 25 | 22 37 | 2 41 | 4 47 | 3 1 | 9 27 | 1 2 | 21 29 | 0 55 | 21 42 | 0 29 | 21 7 | 1 34 | 12 41 | 15 30 | 23 18 | 23 17 | 23 7 | 9 9 | 1 7 |
| F 4 | 5 52 | 14 11 | 4 36 | 5 14 | 0 36 | 22 55 | 2 45 | 4 40 | 3 0 | 9 33 | 1 2 | 21 29 | 0 55 | 21 42 | 0 29 | 21 7 | 1 34 | 12 42 | 15 30 | 23 18 | 23 17 | 23 6 | 9 11 | 1 7 |
| S 5 | 6 15 | 18 27 | 3 58 | 5 8 | 0 47 | 23 12 | 2 50 | 4 32 | 2 59 | 9 38 | 1 2 | 21 29 | 0 55 | 21 42 | 0 29 | 21 7 | 1 34 | 12 42 | 15 30 | 23 18 | 23 17 | 23 4 | 9 12 | 1 7 |
| S 6 | 6 38 | 21 41 | 3 5 | 5 0 | 0 58 | 23 28 | 2 54 | 4 25 | 2 57 | 9 43 | 1 2 | 21 28 | 0 55 | 21 41 | 0 29 | 21 7 | 1 34 | 12 43 | 15 30 | 23 18 | 23 17 | 23 3 | 9 13 | 1 7 |
| M 7 | 7 1 | 23 34 | 2 0 | 4 50 | 1 8 | 23 44 | 2 58 | 4 17 | 2 56 | 9 48 | 1 2 | 21 28 | 0 55 | 21 41 | 0 29 | 21 7 | 1 34 | 12 43 | 15 30 | 23 18 | 23 17 | 23 2 | 9 15 | 1 7 |
| T 8 | 7 23 | 23 54 | 0 48 | 4 38 | 1 17 | 24 0 | 3 3 | 4 10 | 2 54 | 9 53 | 1 2 | 21 28 | 0 56 | 21 41 | 0 29 | 21 6 | 1 35 | 12 44 | 15 30 | 23 18 | 23 17 | 23 1 | 9 16 | 1 7 |
| W 9 | 7 45 | 22 41 | 0n27 | 4 24 | 1 26 | 24 15 | 3 7 | 4 3 | 2 52 | 9 58 | 1 2 | 21 28 | 0 56 | 21 41 | 0 29 | 21 6 | 1 35 | 12 44 | 15 30 | 23 18 | 23 17 | 23 0 | 9 17 | 1 7 |
| T 10 | 8 8 | 20 3 | 1 40 | 4 9 | 1 34 | 24 29 | 3 11 | 3 55 | 2 51 | 10 4 | 1 2 | 21 28 | 0 56 | 21 41 | 0 29 | 21 6 | 1 35 | 12 45 | 15 30 | 23 18 | 23 17 | 22 59 | 9 18 | 1 7 |
| F 11 | 8 30 | 16 14 | 2 47 | 3 52 | 1 42 | 24 43 | 3 15 | 3 48 | 2 49 | 10 9 | 1 2 | 21 27 | 0 56 | 21 41 | 0 29 | 21 6 | 1 35 | 12 45 | 15 30 | 23 18 | 23 17 | 22 58 | 9 20 | 1 7 |
| S 12 | 8 52 | 11 34 | 3 43 | 3 34 | 1 49 | 24 57 | 3 19 | 3 41 | 2 47 | 10 14 | 1 2 | 21 27 | 0 56 | 21 41 | 0 29 | 21 6 | 1 35 | 12 46 | 15 29 | 23 18 | 23 17 | 22 56 | 9 21 | 1 6 |
| S 13 | 9 14 | 6 21 | 4 26 | 3 14 | 1 56 | 25 9 | 3 23 | 3 34 | 2 45 | 10 19 | 1 2 | 21 27 | 0 56 | 21 41 | 0 29 | 21 6 | 1 35 | 12 46 | 15 29 | 23 18 | 23 18 | 22 55 | 9 22 | 1 6 |
| M14 | 9 35 | 0 54 | 4 53 | 2 52 | 2 2 | 25 22 | 3 27 | 3 27 | 2 43 | 10 24 | 1 1 | 21 27 | 0 56 | 21 41 | 0 29 | 21 6 | 1 35 | 12 47 | 15 29 | 23 18 | 23 18 | 22 54 | 9 23 | 1 6 |
| T 15 | 9 57 | 4n31 | 5 3 | 2 30 | 2 8 | 25 34 | 3 30 | 3 20 | 2 41 | 10 29 | 1 1 | 21 27 | 0 56 | 21 40 | 0 29 | 21 6 | 1 35 | 12 47 | 15 29 | 23 19 | 23 18 | 22 53 | 9 25 | 1 6 |
| W16 | 10 18 | 9 39 | 4 57 | 2 5 | 2 13 | 25 45 | 3 34 | 3 13 | 2 39 | 10 34 | 1 1 | 21 27 | 0 56 | 21 40 | 0 29 | 21 6 | 1 35 | 12 48 | 15 29 | 23 19 | 23 18 | 22 52 | 9 26 | 1 6 |
| T 17 | 10 39 | 14 16 | 4 35 | 1 40 | 2 18 | 25 56 | 3 38 | 3 7 | 2 37 | 10 39 | 1 1 | 21 27 | 0 56 | 21 40 | 0 29 | 21 5 | 1 35 | 12 48 | 15 29 | 23 19 | 23 18 | 22 51 | 9 27 | 1 6 |
| F 18 | 11 0 | 18 8 | 3 59 | 1 13 | 2 22 | 26 6 | 3 41 | 3 1 | 2 35 | 10 44 | 1 1 | 21 26 | 0 56 | 21 40 | 0 29 | 21 5 | 1 35 | 12 49 | 15 29 | 23 19 | 23 18 | 22 49 | 9 28 | 1 6 |
| S 19 | 11 21 | 21 6 | 3 13 | 0 46 | 2 26 | 26 16 | 3 44 | 2 55 | 2 33 | 10 49 | 1 1 | 21 26 | 0 56 | 21 40 | 0 29 | 21 5 | 1 35 | 12 49 | 15 28 | 23 19 | 23 18 | 22 48 | 9 30 | 1 6 |
| S 20 | 11 42 | 23 2 | 2 18 | 0 17 | 2 29 | 26 25 | 3 48 | 2 49 | 2 30 | 10 54 | 1 1 | 21 26 | 0 56 | 21 40 | 0 29 | 21 5 | 1 35 | 12 50 | 15 28 | 23 19 | 23 18 | 22 47 | 9 31 | 1 6 |
| M21 | 12 2 | 23 50 | 1 18 | 0n13 | 2 31 | 26 33 | 3 51 | 2 43 | 2 28 | 10 59 | 1 1 | 21 26 | 0 56 | 21 39 | 0 29 | 21 5 | 1 35 | 12 50 | 15 28 | 23 19 | 23 18 | 22 46 | 9 32 | 1 6 |
| T 22 | 12 23 | 23 32 | 0 15 | 0 45 | 2 33 | 26 41 | 3 54 | 2 37 | 2 26 | 11 4 | 1 1 | 21 26 | 0 56 | 21 39 | 0 29 | 21 5 | 1 35 | 12 50 | 15 28 | 23 19 | 23 18 | 22 45 | 9 33 | 1 6 |
| W23 | 12 43 | 22 11 | 0s48 | 1 17 | 2 35 | 26 49 | 3 57 | 2 32 | 2 23 | 11 9 | 1 1 | 21 26 | 0 56 | 21 39 | 0 29 | 21 5 | 1 35 | 12 51 | 15 28 | 23 19 | 23 18 | 22 43 | 9 35 | 1 6 |
| T 24 | 13 2 | 19 51 | 1 50 | 1 50 | 2 36 | 26 56 | 4 0 | 2 27 | 2 21 | 11 14 | 1 1 | 21 26 | 0 56 | 21 39 | 0 29 | 21 4 | 1 35 | 12 51 | 15 28 | 23 19 | 23 18 | 22 42 | 9 36 | 1 6 |
| F 25 | 13 22 | 16 40 | 2 47 | 2 24 | 2 37 | 27 3 | 4 3 | 2 23 | 2 18 | 11 19 | 1 1 | 21 26 | 0 56 | 21 38 | 0 29 | 21 4 | 1 35 | 12 51 | 15 27 | 23 19 | 23 18 | 22 41 | 9 37 | 1 6 |
| S 26 | 13 41 | 12 46 | 3 37 | 2 59 | 2 37 | 27 9 | 4 5 | 2 18 | 2 16 | 11 24 | 1 1 | 21 26 | 0 56 | 21 38 | 0 29 | 21 4 | 1 35 | 12 52 | 15 27 | 23 19 | 23 18 | 22 40 | 9 38 | 1 6 |
| S 27 | 14 0 | 8 17 | 4 18 | 3 35 | 2 36 | 27 14 | 4 8 | 2 14 | 2 13 | 11 29 | 1 1 | 21 26 | 0 56 | 21 38 | 0 29 | 21 4 | 1 35 | 12 52 | 15 27 | 23 19 | 23 18 | 22 39 | 9 40 | 1 6 |
| M28 | 14 19 | 3 20 | 4 49 | 4 12 | 2 35 | 27 19 | 4 10 | 2 10 | 2 11 | 11 34 | 1 1 | 21 26 | 0 56 | 21 38 | 0 29 | 21 4 | 1 35 | 12 52 | 15 27 | 23 19 | 23 18 | 22 37 | 9 41 | 1 5 |
| T 29 | 14 38 | 1s53 | 5 5 | 4 50 | 2 34 | 27 24 | 4 12 | 2 6 | 2 8 | 11 39 | 1 1 | 21 26 | 0 56 | 21 37 | 0 29 | 21 4 | 1 35 | 12 52 | 15 26 | 23 19 | 23 18 | 22 36 | 9 42 | 1 5 |
| W30 | 14n56 | 7s11 | 5s 6 | 5n28 | 2s32 | 27n28 | 4n14 | 2s 3 | 2n 6 | 11n44 | 1s 1 | 21s26 | 0n56 | 21n37 | 0n29 | 21s 4 | 1n35 | 12n53 | 15n26 | 23s19 | 23s18 | 22n35 | 9n43 | 1n 5 |

Julian Day Number = 2802268.5, Delta T = 50m39s
Ecliptic obliquity = 23°18'55, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°10'54, Lahiri = 37°17'54


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# ASTRODIENST EPHEMERIS for the year 2960
# geocentric

## MAY 2960 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 39 9 | 11♉37'16 | 20♎ 7 | 21♈44 | 25♊55 | 9°R52 | 3♉58 | 15°R59 | 24♋18 | 16°R32 | 3°R13 | 29°R55 | 1♑31 | 7♋33 | 22♈33 | T 1 |
| F 2 | 14 43 5 | 12°35'59 | 4♏17 | 23°25 | 26°42 | 9♎39 | 4°12 | 15♑58 | 24°20 | 16♐31 | 3♎12 | 29♐47 | 1°28 | 7°40 | 22°37 | F 2 |
| S 3 | 14 47 2 | 13°34'40 | 18°45 | 25° 7 | 27°27 | 9°27 | 4°26 | 15°57 | 24°21 | 16°30 | 3°11 | 29°41 | 1°25 | 7°46 | 22°40 | S 3 |
| S 4 | 14 50 58 | 14°33'20 | 3♐23 | 26°51 | 28°12 | 9°15 | 4°41 | 15°56 | 24°23 | 16°29 | 3°10 | 29°36 | 1°22 | 7°53 | 22°43 | S 4 |
| M 5 | 14 54 55 | 15°31'58 | 18° 5 | 28°37 | 28°56 | 9° 4 | 4°55 | 15°55 | 24°25 | 16°27 | 3° 9 | 29°34 | 1°19 | 8° 0 | 22°47 | M 5 |
| T 6 | 14 58 52 | 16°30'34 | 2♑45 | 0♉24 | 29°39 | 8°54 | 5°10 | 15°54 | 24°26 | 16°26 | 3° 8 | 29°D34 | 1°15 | 8° 6 | 22°50 | T 6 |
| W 7 | 15 2 48 | 17°29'08 | 17°16 | 2°13 | 0♋20 | 8°45 | 5°24 | 15°53 | 24°28 | 16°25 | 3° 7 | 29°34 | 1°12 | 8°13 | 22°54 | W 7 |
| T 8 | 15 6 45 | 18°27'41 | 1♒36 | 4° 3 | 1° 1 | 8°36 | 5°38 | 15°52 | 24°30 | 16°23 | 3° 6 | 29°36 | 1° 9 | 8°20 | 22°57 | T 8 |
| F 9 | 15 10 41 | 19°26'12 | 15°41 | 5°55 | 1°41 | 8°29 | 5°53 | 15°50 | 24°32 | 16°22 | 3° 5 | 29°R37 | 1° 6 | 8°26 | 23° 0 | F 9 |
| S 10 | 15 14 38 | 20°24'41 | 29°32 | 7°49 | 2°19 | 8°22 | 6° 7 | 15°49 | 24°34 | 16°20 | 3° 4 | 29°36 | 1° 3 | 8°33 | 23° 3 | S 10 |
| S 11 | 15 18 34 | 21°23'09 | 13♓ 7 | 9°45 | 2°56 | 8°15 | 6°21 | 15°47 | 24°36 | 16°19 | 3° 3 | 29°34 | 0°59 | 8°40 | 23° 7 | S 11 |
| M12 | 15 22 31 | 22°21'36 | 26°29 | 11°42 | 3°32 | 8°10 | 6°35 | 15°46 | 24°38 | 16°18 | 3° 2 | 29°31 | 0°56 | 8°46 | 23°10 | M12 |
| T 13 | 15 26 27 | 23°20'01 | 9♈36 | 13°41 | 4° 7 | 8° 5 | 6°50 | 15°44 | 24°40 | 16°16 | 3° 1 | 29°26 | 0°53 | 8°53 | 23°13 | T 13 |
| W14 | 15 30 24 | 24°18'24 | 22°30 | 15°41 | 4°40 | 8° 2 | 7° 4 | 15°42 | 24°42 | 16°15 | 3° 0 | 29°20 | 0°50 | 8°59 | 23°16 | W14 |
| T 15 | 15 34 21 | 25°16'46 | 5♉10 | 17°43 | 5°12 | 7°59 | 7°18 | 15°40 | 24°45 | 16°13 | 2°59 | 29°14 | 0°47 | 9° 6 | 23°19 | T 15 |
| F 16 | 15 38 17 | 26°15'06 | 17°38 | 19°47 | 5°42 | 7°56 | 7°32 | 15°38 | 24°47 | 16°12 | 2°58 | 29° 8 | 0°44 | 9°13 | 23°22 | F 16 |
| S 17 | 15 42 14 | 27°13'24 | 29°55 | 21°51 | 6°11 | 7°55 | 7°46 | 15°36 | 24°49 | 16°10 | 2°57 | 29° 4 | 0°40 | 9°19 | 23°25 | S 17 |
| S 18 | 15 46 10 | 28°11'41 | 12♊ 1 | 23°58 | 6°38 | 7°D54 | 8° 0 | 15°34 | 24°51 | 16° 9 | 2°57 | 29° 1 | 0°37 | 9°26 | 23°29 | S 18 |
| M19 | 15 50 7 | 29° 9'56 | 23°58 | 26° 5 | 7° 4 | 7°54 | 8°14 | 15°31 | 24°54 | 16° 7 | 2°56 | 29°D 0 | 0°34 | 9°33 | 23°32 | M19 |
| T 20 | 15 54 3 | 0♊ 8'09 | 5♋49 | 28°13 | 7°28 | 7°55 | 8°28 | 15°29 | 24°56 | 16° 6 | 2°55 | 29° 0 | 0°31 | 9°39 | 23°35 | T 20 |
| W21 | 15 58 0 | 1° 6'20 | 17°36 | 0♊23 | 7°50 | 7°56 | 8°42 | 15°26 | 24°59 | 16° 4 | 2°54 | 29° 1 | 0°28 | 9°46 | 23°38 | W21 |
| T 22 | 16 1 56 | 2° 4'30 | 29°24 | 2°33 | 8°10 | 7°59 | 8°56 | 15°24 | 25° 1 | 16° 2 | 2°54 | 29° 3 | 0°25 | 9°53 | 23°41 | T 22 |
| F 23 | 16 5 53 | 3° 2'37 | 11♌16 | 4°43 | 8°29 | 8° 2 | 9°10 | 15°21 | 25° 4 | 16° 1 | 2°53 | 29° 5 | 0°21 | 9°59 | 23°44 | F 23 |
| S 24 | 16 9 50 | 4° 0'43 | 23°17 | 6°54 | 8°45 | 8° 5 | 9°24 | 15°19 | 25° 6 | 15°59 | 2°53 | 29° 6 | 0°18 | 10° 6 | 23°46 | S 24 |
| S 25 | 16 13 46 | 4°58'47 | 5♍32 | 9° 4 | 9° 0 | 8°10 | 9°38 | 15°16 | 25° 9 | 15°58 | 2°52 | 29°R 6 | 0°15 | 10°13 | 23°49 | S 25 |
| M26 | 16 17 43 | 5°56'49 | 18° 5 | 11°15 | 9°12 | 8°15 | 9°52 | 15°13 | 25°11 | 15°56 | 2°51 | 29° 6 | 0°12 | 10°19 | 23°52 | M26 |
| T 27 | 16 21 39 | 6°54'49 | 1♎ 1 | 13°24 | 9°23 | 8°21 | 10° 5 | 15°10 | 25°14 | 15°55 | 2°51 | 29° 4 | 0° 9 | 10°26 | 23°55 | T 27 |
| W28 | 16 25 36 | 7°52'47 | 14°23 | 15°33 | 9°31 | 8°27 | 10°19 | 15° 7 | 25°17 | 15°53 | 2°50 | 29° 2 | 0° 5 | 10°32 | 23°58 | W28 |
| T 29 | 16 29 32 | 8°50'43 | 28°11 | 17°40 | 9°37 | 8°34 | 10°33 | 15° 4 | 25°19 | 15°51 | 2°50 | 28°59 | 0° 2 | 10°39 | 24° 0 | T 29 |
| F 30 | 16 33 29 | 9°48'38 | 12♏26 | 19°46 | 9°40 | 8°42 | 10°46 | 15° 1 | 25°22 | 15°50 | 2°49 | 28°57 | 29♐59 | 10°46 | 24° 3 | F 30 |
| S 31 | 16 37 25 | 10♊46'32 | 27♏ 3 | 21♊50 | 9°R42 | 8♎50 | 11♉ 0 | 14♑58 | 25♋25 | 15♐48 | 2♎49 | 28♐54 | 29♐56 | 10♋52 | 24♈ 6 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15n14 | 12s17 | 4s49 | 6n 7 | 2s29 | 27n31 | 4n16 | 2s 0 | 2n 3 | 11n49 | 1s 1 | 21s26 | 0n56 | 21n37 | 0n29 | 21s 3 | 1n35 | 12n53 | 15n26 | 23s19 | 23s18 | 22n34 | 9n45 | 1n 5 |
| F 2 | 15 32 | 16 52 | 4 14 | 6 47 | 2 26 | 27 34 | 4 18 | 1 57 | 2 1 | 11 54 | 1 1 | 21 26 | 0 56 | 21 37 | 0 29 | 21 3 | 1 35 | 12 53 | 15 26 | 23 19 | 23 18 | 22 32 | 9 46 | 1 5 |
| S 3 | 15 50 | 20 33 | 3 23 | 7 27 | 2 23 | 27 37 | 4 20 | 1 55 | 1 58 | 11 58 | 1 1 | 21 26 | 0 56 | 21 36 | 0 29 | 21 3 | 1 35 | 12 53 | 15 25 | 23 19 | 23 18 | 22 31 | 9 47 | 1 5 |
| S 4 | 16 7 | 22 58 | 2 17 | 8 8 | 2 19 | 27 39 | 4 21 | 1 53 | 1 56 | 12 3 | 1 1 | 21 27 | 0 56 | 21 36 | 0 29 | 21 3 | 1 35 | 12 54 | 15 25 | 23 19 | 23 18 | 22 30 | 9 48 | 1 5 |
| M 5 | 16 24 | 23 49 | 1 2 | 8 50 | 2 14 | 27 41 | 4 22 | 1 51 | 1 53 | 12 8 | 1 1 | 21 27 | 0 56 | 21 36 | 0 29 | 21 3 | 1 35 | 12 54 | 15 25 | 23 19 | 23 19 | 22 29 | 9 49 | 1 5 |
| T 6 | 16 41 | 23 0 | 0n17 | 9 32 | 2 9 | 27 42 | 4 23 | 1 49 | 1 51 | 12 13 | 1 1 | 21 27 | 0 56 | 21 35 | 0 29 | 21 3 | 1 35 | 12 54 | 15 25 | 23 19 | 23 19 | 22 27 | 9 51 | 1 5 |
| W 7 | 16 58 | 20 38 | 1 35 | 10 15 | 2 3 | 27 43 | 4 24 | 1 48 | 1 48 | 12 18 | 1 1 | 21 27 | 0 56 | 21 35 | 0 29 | 21 2 | 1 36 | 12 54 | 15 24 | 23 19 | 23 19 | 22 26 | 9 52 | 1 5 |
| T 8 | 17 14 | 17 1 | 2 45 | 10 58 | 1 57 | 27 43 | 4 25 | 1 47 | 1 45 | 12 22 | 1 1 | 21 27 | 0 56 | 21 35 | 0 29 | 21 2 | 1 36 | 12 54 | 15 24 | 23 19 | 23 19 | 22 25 | 9 53 | 1 5 |
| F 9 | 17 30 | 12 28 | 3 44 | 11 41 | 1 51 | 27 43 | 4 25 | 1 46 | 1 43 | 12 27 | 1 1 | 21 27 | 0 56 | 21 34 | 0 29 | 21 2 | 1 36 | 12 54 | 15 24 | 23 19 | 23 19 | 22 23 | 9 54 | 1 5 |
| S 10 | 17 46 | 7 22 | 4 29 | 12 24 | 1 44 | 27 43 | 4 25 | 1 46 | 1 40 | 12 32 | 1 1 | 21 27 | 0 56 | 21 34 | 0 28 | 21 2 | 1 36 | 12 54 | 15 23 | 23 19 | 23 19 | 22 22 | 9 55 | 1 5 |
| S 11 | 18 1 | 2 0 | 4 58 | 13 8 | 1 37 | 27 42 | 4 25 | 1 46 | 1 38 | 12 36 | 1 1 | 21 28 | 0 56 | 21 34 | 0 28 | 21 2 | 1 36 | 12 55 | 15 23 | 23 19 | 23 19 | 22 21 | 9 56 | 1 5 |
| M12 | 18 16 | 3n22 | 5 11 | 13 51 | 1 29 | 27 41 | 4 25 | 1 46 | 1 35 | 12 41 | 1 1 | 21 28 | 0 56 | 21 33 | 0 28 | 21 2 | 1 36 | 12 55 | 15 23 | 23 19 | 23 19 | 22 20 | 9 58 | 1 5 |
| T 13 | 18 31 | 8 29 | 5 6 | 14 35 | 1 21 | 27 39 | 4 24 | 1 46 | 1 33 | 12 45 | 1 1 | 21 28 | 0 56 | 21 33 | 0 28 | 21 2 | 1 36 | 12 55 | 15 23 | 23 19 | 23 19 | 22 18 | 9 59 | 1 5 |
| W14 | 18 45 | 13 8 | 4 46 | 15 18 | 1 12 | 27 37 | 4 23 | 1 47 | 1 30 | 12 50 | 1 1 | 21 28 | 0 56 | 21 32 | 0 28 | 21 1 | 1 36 | 12 55 | 15 22 | 23 19 | 23 19 | 22 17 | 10 0 | 1 5 |
| T 15 | 18 59 | 17 8 | 4 12 | 16 1 | 1 3 | 27 35 | 4 22 | 1 48 | 1 28 | 12 55 | 1 1 | 21 28 | 0 56 | 21 32 | 0 28 | 21 1 | 1 36 | 12 55 | 15 22 | 23 19 | 23 19 | 22 16 | 10 1 | 1 5 |
| F 16 | 19 13 | 20 19 | 3 27 | 16 44 | 0 54 | 27 32 | 4 21 | 1 49 | 1 25 | 12 59 | 1 1 | 21 29 | 0 56 | 21 32 | 0 28 | 21 1 | 1 36 | 12 55 | 15 22 | 23 19 | 23 19 | 22 14 | 10 2 | 1 5 |
| S 17 | 19 26 | 22 31 | 2 33 | 17 26 | 0 44 | 27 29 | 4 19 | 1 51 | 1 23 | 13 4 | 1 1 | 21 29 | 0 56 | 21 31 | 0 28 | 21 1 | 1 36 | 12 55 | 15 21 | 23 19 | 23 19 | 22 13 | 10 3 | 1 5 |
| S 18 | 19 39 | 23 38 | 1 32 | 18 7 | 0 34 | 27 26 | 4 17 | 1 53 | 1 21 | 13 8 | 1 1 | 21 29 | 0 56 | 21 31 | 0 28 | 21 1 | 1 36 | 12 55 | 15 21 | 23 19 | 23 19 | 22 12 | 10 4 | 1 5 |
| M19 | 19 52 | 23 38 | 0 28 | 18 47 | 0 24 | 27 22 | 4 15 | 1 55 | 1 18 | 13 13 | 1 1 | 21 29 | 0 56 | 21 30 | 0 28 | 21 1 | 1 36 | 12 55 | 15 21 | 23 19 | 23 19 | 22 10 | 10 5 | 1 4 |
| T 20 | 20 4 | 22 34 | 0s37 | 19 27 | 0 13 | 27 18 | 4 12 | 1 58 | 1 16 | 13 17 | 1 1 | 21 30 | 0 56 | 21 30 | 0 28 | 21 0 | 1 36 | 12 55 | 15 20 | 23 19 | 23 19 | 22 9 | 10 6 | 1 4 |
| W21 | 20 16 | 20 30 | 1 41 | 20 5 | 0 3 | 27 14 | 4 9 | 2 0 | 1 14 | 13 21 | 1 1 | 21 30 | 0 56 | 21 29 | 0 28 | 21 0 | 1 36 | 12 55 | 15 20 | 23 19 | 23 19 | 22 8 | 10 8 | 1 4 |
| T 22 | 20 28 | 17 34 | 2 39 | 20 41 | 0n 8 | 27 10 | 4 6 | 2 3 | 1 11 | 13 26 | 1 2 | 21 30 | 0 56 | 21 29 | 0 28 | 21 0 | 1 36 | 12 55 | 15 19 | 23 19 | 23 19 | 22 6 | 10 9 | 1 4 |
| F 23 | 20 39 | 13 54 | 3 32 | 21 16 | 0 18 | 27 5 | 4 2 | 2 7 | 1 9 | 13 30 | 1 2 | 21 31 | 0 56 | 21 28 | 0 28 | 21 0 | 1 36 | 12 54 | 15 19 | 23 19 | 23 19 | 22 5 | 10 10 | 1 4 |
| S 24 | 20 50 | 9 39 | 4 16 | 21 49 | 0 29 | 27 0 | 3 58 | 2 10 | 1 7 | 13 34 | 1 2 | 21 31 | 0 56 | 21 28 | 0 28 | 21 0 | 1 36 | 12 54 | 15 19 | 23 19 | 23 19 | 22 3 | 10 11 | 1 4 |
| S 25 | 21 1 | 4 57 | 4 49 | 22 20 | 0 39 | 26 54 | 3 54 | 2 14 | 1 4 | 13 39 | 1 2 | 21 31 | 0 56 | 21 27 | 0 28 | 20 59 | 1 36 | 12 54 | 15 18 | 23 19 | 23 19 | 22 2 | 10 12 | 1 4 |
| M26 | 21 11 | 0s 4 | 5 10 | 22 49 | 0 49 | 26 48 | 3 49 | 2 18 | 1 2 | 13 43 | 1 2 | 21 32 | 0 56 | 21 27 | 0 28 | 20 59 | 1 36 | 12 54 | 15 18 | 23 19 | 23 19 | 22 1 | 10 13 | 1 4 |
| T 27 | 21 21 | 5 14 | 5 15 | 23 15 | 0 59 | 26 42 | 3 44 | 2 22 | 1 0 | 13 47 | 1 2 | 21 32 | 0 56 | 21 27 | 0 28 | 20 59 | 1 36 | 12 54 | 15 18 | 23 19 | 23 19 | 21 59 | 10 14 | 1 4 |
| W28 | 21 31 | 10 19 | 5 4 | 23 40 | 1 8 | 26 36 | 3 38 | 2 27 | 0 58 | 13 51 | 1 2 | 21 32 | 0 56 | 21 26 | 0 28 | 20 59 | 1 36 | 12 54 | 15 17 | 23 19 | 23 19 | 21 58 | 10 15 | 1 4 |
| T 29 | 21 40 | 15 4 | 4 36 | 24 1 | 1 17 | 26 30 | 3 32 | 2 31 | 0 56 | 13 56 | 1 2 | 21 33 | 0 56 | 21 26 | 0 28 | 20 59 | 1 36 | 12 54 | 15 17 | 23 19 | 23 19 | 21 57 | 10 16 | 1 4 |
| F 30 | 21 48 | 19 8 | 3 49 | 24 20 | 1 25 | 26 23 | 3 26 | 2 36 | 0 54 | 14 0 | 1 2 | 21 33 | 0 56 | 21 25 | 0 28 | 20 59 | 1 36 | 12 53 | 15 16 | 23 19 | 23 19 | 21 55 | 10 17 | 1 4 |
| S 31 | 21n57 | 22s 6 | 2s47 | 24n37 | 1n33 | 26n16 | 3n19 | 2s42 | 0n52 | 14n 4 | 1s 2 | 21s33 | 0n56 | 21n24 | 0n28 | 20s58 | 1n36 | 12n53 | 15n16 | 23s19 | 23s19 | 21n54 | 10n18 | 1n 4 |

Julian Day Number = 2802298.5, Delta T = 50m39s
Ecliptic obliquity = 23°18'54, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°10'58, Lahiri = 37°17'58


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# ASTRODIENST EPHEMERIS for the year 2960
# geocentric

## JUNE 2960 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 41 22 | 11♊44'23 | 11♐56 | 23♊53 | 9°R41 | 8♎59 | 11♉13 | 14°R54 | 25♋28 | 15°R46 | 2°R49 | 28°R53 | 29♐53 | 10♋59 | 24♈ 8 | S 1 |
| M 2 | 16 45 19 | 12°42'14 | 26°58 | 25°53 | 9♋37 | 9° 9 | 11°27 | 14♏51 | 25°31 | 15♐45 | 2♎48 | 28°D52 | 29°50 | 11° 6 | 24°11 | M 2 |
| T 3 | 16 49 15 | 13°40'03 | 12♏ 0 | 27°50 | 9°31 | 9°19 | 11°40 | 14°48 | 25°33 | 15°43 | 2°48 | 28♐53 | 29°46 | 11°12 | 24°14 | T 3 |
| W 4 | 16 53 12 | 14°37'51 | 26°53 | 29°46 | 9°23 | 9°30 | 11°53 | 14°44 | 25°36 | 15°42 | 2°48 | 28°54 | 29°43 | 11°19 | 24°16 | W 4 |
| T 5 | 16 57 8 | 15°35'37 | 11♒32 | 1♋38 | 9°12 | 9°41 | 12° 6 | 14°41 | 25°39 | 15°40 | 2°48 | 28°55 | 29°40 | 11°26 | 24°19 | T 5 |
| F 6 | 17 1 5 | 16°33'23 | 25°51 | 3°28 | 8°59 | 9°53 | 12°20 | 14°37 | 25°42 | 15°38 | 2°47 | 28°55 | 29°37 | 11°32 | 24°21 | F 6 |
| S 7 | 17 5 1 | 17°31'07 | 9♓48 | 5°15 | 8°43 | 10° 6 | 12°33 | 14°33 | 25°45 | 15°37 | 2°47 | 28°56 | 29°34 | 11°39 | 24°24 | S 7 |
| S 8 | 17 8 58 | 18°28'51 | 23°24 | 6°59 | 8°25 | 10°19 | 12°46 | 14°30 | 25°48 | 15°35 | 2°47 | 28°R56 | 29°31 | 11°46 | 24°26 | S 8 |
| M 9 | 17 12 54 | 19°26'33 | 6♈38 | 8°40 | 8° 5 | 10°32 | 12°59 | 14°26 | 25°51 | 15°33 | 2°47 | 28°56 | 29°27 | 11°52 | 24°28 | M 9 |
| T 10 | 17 16 51 | 20°24'15 | 19°33 | 10°18 | 7°43 | 10°47 | 13°12 | 14°22 | 25°54 | 15°32 | 2°47 | 28°55 | 29°24 | 11°59 | 24°31 | T 10 |
| W11 | 17 20 48 | 21°21'55 | 2♉12 | 11°53 | 7°18 | 11° 1 | 13°25 | 14°18 | 25°58 | 15°30 | 2°47 | 28°54 | 29°21 | 12° 6 | 24°33 | W11 |
| T 12 | 17 24 44 | 22°19'35 | 14°36 | 13°25 | 6°51 | 11°16 | 13°38 | 14°14 | 26° 1 | 15°29 | 2°D47 | 28°53 | 29°18 | 12°12 | 24°35 | T 12 |
| F 13 | 17 28 41 | 23°17'14 | 26°48 | 14°54 | 6°23 | 11°32 | 13°50 | 14°10 | 26° 4 | 15°27 | 2°47 | 28°52 | 29°15 | 12°19 | 24°37 | F 13 |
| S 14 | 17 32 37 | 24°14'51 | 8♊51 | 16°19 | 5°53 | 11°48 | 14° 3 | 14° 6 | 26° 7 | 15°25 | 2°47 | 28°52 | 29°11 | 12°26 | 24°40 | S 14 |
| S 15 | 17 36 34 | 25°12'28 | 20°47 | 17°42 | 5°21 | 12° 5 | 14°16 | 14° 2 | 26°10 | 15°24 | 2°47 | 28°52 | 29° 8 | 12°32 | 24°42 | S 15 |
| M16 | 17 40 30 | 26°10'04 | 2♋38 | 19° 1 | 4°47 | 12°22 | 14°28 | 13°58 | 26°14 | 15°22 | 2°47 | 28°D51 | 29° 5 | 12°39 | 24°44 | M16 |
| T 17 | 17 44 27 | 27° 7'38 | 14°26 | 20°17 | 4°13 | 12°40 | 14°41 | 13°54 | 26°17 | 15°21 | 2°47 | 28°52 | 29° 2 | 12°45 | 24°46 | T 17 |
| W18 | 17 48 23 | 28° 5'11 | 26°13 | 21°29 | 3°37 | 12°58 | 14°53 | 13°50 | 26°20 | 15°19 | 2°47 | 28°52 | 28°59 | 12°52 | 24°48 | W18 |
| T 19 | 17 52 20 | 29° 2'44 | 8♌ 2 | 22°38 | 3° 0 | 13°16 | 15° 6 | 13°46 | 26°23 | 15°17 | 2°47 | 28°R52 | 28°56 | 12°59 | 24°50 | T 19 |
| F 20 | 17 56 17 | 0♋ 0'15 | 19°57 | 23°44 | 2°23 | 13°35 | 15°18 | 13°41 | 26°27 | 15°16 | 2°48 | 28°52 | 28°52 | 13° 5 | 24°52 | F 20 |
| S 21 | 18 0 13 | 0°57'45 | 2♍ 0 | 24°46 | 1°46 | 13°55 | 15°30 | 13°37 | 26°30 | 15°14 | 2°48 | 28°51 | 28°49 | 13°12 | 24°53 | S 21 |
| S 22 | 18 4 10 | 1°55'13 | 14°16 | 25°44 | 1° 8 | 14°14 | 15°42 | 13°33 | 26°33 | 15°13 | 2°48 | 28°51 | 28°46 | 13°19 | 24°55 | S 22 |
| M23 | 18 8 6 | 2°52'41 | 26°48 | 26°39 | 0°31 | 14°35 | 15°54 | 13°28 | 26°37 | 15°11 | 2°49 | 28°D51 | 28°43 | 13°25 | 24°57 | M23 |
| T 24 | 18 12 3 | 3°50'07 | 9♎40 | 27°30 | 29♊53 | 14°55 | 16° 6 | 13°24 | 26°40 | 15°10 | 2°49 | 28°51 | 28°40 | 13°32 | 24°59 | T 24 |
| W25 | 18 15 59 | 4°47'33 | 22°55 | 28°17 | 29°17 | 15°16 | 16°18 | 13°20 | 26°44 | 15° 8 | 2°49 | 28°51 | 28°37 | 13°39 | 25° 0 | W25 |
| T 26 | 18 19 56 | 5°44'57 | 6♏37 | 29° 1 | 28°41 | 15°38 | 16°30 | 13°15 | 26°47 | 15° 7 | 2°50 | 28°52 | 28°33 | 13°45 | 25° 2 | T 26 |
| F 27 | 18 23 52 | 6°42'20 | 20°45 | 29°40 | 28° 6 | 15°59 | 16°42 | 13°11 | 26°50 | 15° 5 | 2°50 | 28°52 | 28°30 | 13°52 | 25° 4 | F 27 |
| S 28 | 18 27 49 | 7°39'43 | 5♐17 | 0♌15 | 27°33 | 16°22 | 16°53 | 13° 7 | 26°54 | 15° 4 | 2°51 | 28°53 | 28°27 | 13°59 | 25° 5 | S 28 |
| S 29 | 18 31 46 | 8°37'04 | 20°11 | 0°46 | 27° 1 | 16°44 | 17° 5 | 13° 2 | 26°57 | 15° 2 | 2°51 | 28°54 | 28°24 | 14° 5 | 25° 7 | S 29 |
| M30 | 18 35 42 | 9♋34'25 | 5♏18 | 1♌12 | 26♊31 | 17♎ 7 | 17♉16 | 12♏58 | 27♋ 1 | 15♐ 1 | 2♎52 | 28°R54 | 28♐21 | 14♋12 | 25♈ 8 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n 5 | 23s38 | 1s32 | 24n51 | 1n40 | 26n 8 | 3n11 | 2s47 | 0n50 | 14n 8 | 1s 2 | 21s34 | 0n56 | 21n24 | 0n28 | 20s58 | 1n36 | 12n53 | 15n16 | 23s19 | 23s19 | 21n52 | 10n19 | 1n 4 |
| M 2 | 22 12 | 23 27 | 0 11 | 25 2 | 1 47 | 26 1 | 3 3 | 2 53 | 0 48 | 14 12 | 1 2 | 21 34 | 0 56 | 21 23 | 0 28 | 20 58 | 1 36 | 12 53 | 15 15 | 23 19 | 23 19 | 21 51 | 10 19 | 1 4 |
| T 3 | 22 19 | 21 35 | 1n12 | 25 10 | 1 52 | 25 53 | 2 55 | 2 59 | 0 46 | 14 16 | 1 2 | 21 34 | 0 56 | 21 23 | 0 28 | 20 58 | 1 36 | 12 53 | 15 15 | 23 19 | 23 19 | 21 50 | 10 20 | 1 4 |
| W 4 | 22 26 | 18 14 | 2 29 | 25 16 | 1 58 | 25 44 | 2 46 | 3 5 | 0 44 | 14 20 | 1 2 | 21 35 | 0 56 | 21 22 | 0 28 | 20 58 | 1 36 | 12 52 | 15 14 | 23 19 | 23 19 | 21 48 | 10 21 | 1 4 |
| T 5 | 22 32 | 13 47 | 3 35 | 25 20 | 2 2 | 25 36 | 2 36 | 3 11 | 0 42 | 14 24 | 1 2 | 21 35 | 0 56 | 21 22 | 0 28 | 20 58 | 1 36 | 12 52 | 15 14 | 23 19 | 23 19 | 21 47 | 10 22 | 1 4 |
| F 6 | 22 38 | 8 40 | 4 26 | 25 21 | 2 5 | 25 27 | 2 26 | 3 17 | 0 40 | 14 28 | 1 2 | 21 36 | 0 56 | 21 21 | 0 28 | 20 57 | 1 36 | 12 52 | 15 14 | 23 19 | 23 19 | 21 45 | 10 23 | 1 4 |
| S 7 | 22 44 | 3 13 | 5 0 | 25 21 | 2 8 | 25 17 | 2 16 | 3 24 | 0 38 | 14 32 | 1 2 | 21 36 | 0 56 | 21 21 | 0 28 | 20 57 | 1 36 | 12 51 | 15 13 | 23 19 | 23 19 | 21 44 | 10 24 | 1 4 |
| S 8 | 22 49 | 2n14 | 5 16 | 25 18 | 2 10 | 25 8 | 2 5 | 3 31 | 0 36 | 14 36 | 1 2 | 21 37 | 0 56 | 21 20 | 0 28 | 20 57 | 1 36 | 12 51 | 15 13 | 23 19 | 23 19 | 21 42 | 10 25 | 1 4 |
| M 9 | 22 54 | 7 26 | 5 14 | 25 13 | 2 11 | 24 58 | 1 54 | 3 38 | 0 34 | 14 40 | 1 2 | 21 37 | 0 56 | 21 20 | 0 28 | 20 57 | 1 36 | 12 51 | 15 12 | 23 19 | 23 19 | 21 41 | 10 26 | 1 4 |
| T 10 | 22 58 | 12 12 | 4 57 | 25 6 | 2 11 | 24 47 | 1 42 | 3 45 | 0 32 | 14 43 | 1 3 | 21 37 | 0 56 | 21 19 | 0 28 | 20 57 | 1 36 | 12 50 | 15 12 | 23 19 | 23 19 | 21 40 | 10 26 | 1 4 |
| W11 | 23 2 | 16 19 | 4 25 | 24 57 | 2 10 | 24 37 | 1 30 | 3 52 | 0 31 | 14 47 | 1 3 | 21 38 | 0 55 | 21 18 | 0 28 | 20 57 | 1 36 | 12 50 | 15 12 | 23 19 | 23 19 | 21 38 | 10 27 | 1 4 |
| T 12 | 23 6 | 19 40 | 3 42 | 24 47 | 2 9 | 24 25 | 1 17 | 4 0 | 0 29 | 14 51 | 1 3 | 21 38 | 0 55 | 21 18 | 0 28 | 20 56 | 1 36 | 12 50 | 15 11 | 23 19 | 23 19 | 21 37 | 10 28 | 1 4 |
| F 13 | 23 9 | 22 5 | 2 49 | 24 35 | 2 7 | 24 14 | 1 4 | 4 8 | 0 27 | 14 55 | 1 3 | 21 39 | 0 55 | 21 17 | 0 28 | 20 56 | 1 36 | 12 49 | 15 11 | 23 19 | 23 19 | 21 35 | 10 29 | 1 4 |
| S 14 | 23 11 | 23 27 | 1 49 | 24 22 | 2 4 | 24 2 | 0 51 | 4 15 | 0 25 | 14 58 | 1 3 | 21 39 | 0 55 | 21 17 | 0 28 | 20 56 | 1 36 | 12 49 | 15 10 | 23 19 | 23 19 | 21 34 | 10 30 | 1 4 |
| S 15 | 23 14 | 23 44 | 0 45 | 24 8 | 2 0 | 23 50 | 0 37 | 4 23 | 0 24 | 15 2 | 1 3 | 21 40 | 0 55 | 21 16 | 0 28 | 20 56 | 1 36 | 12 49 | 15 10 | 23 19 | 23 19 | 21 32 | 10 30 | 1 4 |
| M16 | 23 16 | 22 56 | 0s21 | 23 52 | 1 55 | 23 37 | 0 24 | 4 32 | 0 22 | 15 6 | 1 3 | 21 40 | 0 55 | 21 15 | 0 28 | 20 56 | 1 36 | 12 48 | 15 9 | 23 19 | 23 19 | 21 31 | 10 31 | 1 4 |
| T 17 | 23 17 | 21 7 | 1 25 | 23 36 | 1 49 | 23 24 | 0 10 | 4 40 | 0 20 | 15 9 | 1 3 | 21 41 | 0 55 | 21 15 | 0 28 | 20 56 | 1 36 | 12 48 | 15 9 | 23 19 | 23 19 | 21 29 | 10 32 | 1 4 |
| W18 | 23 18 | 18 24 | 2 26 | 23 18 | 1 43 | 23 11 | 0s 5 | 4 48 | 0 19 | 15 13 | 1 3 | 21 41 | 0 55 | 21 14 | 0 28 | 20 56 | 1 36 | 12 47 | 15 9 | 23 19 | 23 19 | 21 28 | 10 33 | 1 4 |
| T 19 | 23 19 | 14 55 | 3 21 | 23 0 | 1 36 | 22 58 | 0 19 | 4 57 | 0 17 | 15 16 | 1 3 | 21 42 | 0 55 | 21 14 | 0 28 | 20 55 | 1 36 | 12 47 | 15 8 | 23 19 | 23 19 | 21 26 | 10 33 | 1 4 |
| F 20 | 23 19 | 10 50 | 4 8 | 22 41 | 1 28 | 22 44 | 0 33 | 5 6 | 0 15 | 15 20 | 1 3 | 21 42 | 0 55 | 21 13 | 0 28 | 20 55 | 1 36 | 12 46 | 15 8 | 23 19 | 23 19 | 21 25 | 10 34 | 1 4 |
| S 21 | 23 19 | 6 17 | 4 44 | 22 22 | 1 20 | 22 31 | 0 47 | 5 15 | 0 14 | 15 23 | 1 3 | 21 43 | 0 55 | 21 12 | 0 28 | 20 55 | 1 36 | 12 46 | 15 7 | 23 19 | 23 19 | 21 23 | 10 35 | 1 4 |
| S 22 | 23 18 | 1 25 | 5 8 | 22 2 | 1 10 | 22 17 | 1 2 | 5 24 | 0 12 | 15 26 | 1 4 | 21 43 | 0 55 | 21 12 | 0 28 | 20 55 | 1 36 | 12 45 | 15 7 | 23 19 | 23 19 | 21 22 | 10 35 | 1 4 |
| M23 | 23 17 | 3s36 | 5 18 | 21 42 | 1 0 | 22 3 | 1 16 | 5 33 | 0 11 | 15 30 | 1 4 | 21 44 | 0 55 | 21 11 | 0 28 | 20 55 | 1 36 | 12 45 | 15 7 | 23 19 | 23 19 | 21 20 | 10 36 | 1 4 |
| T 24 | 23 16 | 8 36 | 5 12 | 21 21 | 0 49 | 21 49 | 1 29 | 5 42 | 0 9 | 15 33 | 1 4 | 21 44 | 0 55 | 21 10 | 0 28 | 20 55 | 1 36 | 12 44 | 15 6 | 23 19 | 23 18 | 21 19 | 10 36 | 1 4 |
| W25 | 23 14 | 13 22 | 4 50 | 21 1 | 0 38 | 21 36 | 1 43 | 5 52 | 0 8 | 15 36 | 1 4 | 21 45 | 0 55 | 21 10 | 0 28 | 20 54 | 1 36 | 12 44 | 15 6 | 23 19 | 23 18 | 21 17 | 10 37 | 1 3 |
| T 26 | 23 11 | 17 37 | 4 11 | 20 40 | 0 26 | 21 22 | 1 56 | 6 1 | 0 6 | 15 40 | 1 4 | 21 45 | 0 55 | 21 9 | 0 28 | 20 54 | 1 36 | 12 43 | 15 5 | 23 19 | 23 18 | 21 16 | 10 38 | 1 3 |
| F 27 | 23 9 | 21 0 | 3 16 | 20 19 | 0 13 | 21 9 | 2 9 | 6 11 | 0 5 | 15 43 | 1 4 | 21 46 | 0 55 | 21 8 | 0 28 | 20 54 | 1 36 | 12 43 | 15 5 | 23 19 | 23 18 | 21 14 | 10 38 | 1 3 |
| S 28 | 23 6 | 23 10 | 2 7 | 19 59 | 0s 1 | 20 56 | 2 22 | 6 21 | 0 3 | 15 46 | 1 4 | 21 46 | 0 55 | 21 8 | 0 28 | 20 54 | 1 35 | 12 42 | 15 4 | 23 19 | 23 18 | 21 13 | 10 39 | 1 3 |
| S 29 | 23 2 | 23 45 | 0 48 | 19 39 | 0 15 | 20 43 | 2 34 | 6 31 | 0 2 | 15 49 | 1 4 | 21 47 | 0 54 | 21 7 | 0 28 | 20 54 | 1 35 | 12 41 | 15 4 | 23 19 | 23 18 | 21 11 | 10 39 | 1 3 |
| M30 | 22n58 | 22s37 | 0n36 | 19n19 | 0s29 | 20n30 | 2s46 | 6s41 | 0n 1 | 15n52 | 1s 4 | 21s47 | 0n54 | 21n 6 | 0n28 | 20s54 | 1n35 | 12n41 | 15n 4 | 23s19 | 23s18 | 21n10 | 10n40 | 1n 3 |

Julian Day Number = 2802329.5, Delta T = 50m40s
Ecliptic obliquity = 23°18'53, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°11'02, Lahiri = 37°18'03


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# ASTRODIENST EPHEMERIS for the year 2960
# geocentric

## JULY 2960 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 39 39 | 10♋31'45 | 20♑31 | 1♌34 | 26°R 2 | 17♎30 | 17♉28 | 12°R53 | 27♋ 4 | 14°R59 | 2♎52 | 28°R53 | 28♐17 | 14♋19 | 25♈ 9 | T 1 |
| W 2 | 18 43 35 | 11°29'05 | 5♒39 | 1°52 | 25♊35 | 17°54 | 17°39 | 12♑49 | 27° 8 | 14♐58 | 2°53 | 28♐52 | 28°14 | 14°25 | 25°11 | W 2 |
| T 3 | 18 47 32 | 12°26'24 | 20°34 | 2° 5 | 25°11 | 18°18 | 17°50 | 12°44 | 27°11 | 14°57 | 2°54 | 28°51 | 28°11 | 14°32 | 25°12 | T 3 |
| F 4 | 18 51 28 | 13°23'42 | 5♓ 9 | 2°14 | 24°48 | 18°42 | 18° 1 | 12°40 | 27°15 | 14°55 | 2°54 | 28°49 | 28° 8 | 14°39 | 25°13 | F 4 |
| S 5 | 18 55 25 | 14°21'00 | 19°18 | 2°R18 | 24°28 | 19° 6 | 18°12 | 12°36 | 27°18 | 14°54 | 2°55 | 28°47 | 28° 5 | 14°45 | 25°15 | S 5 |
| S 6 | 18 59 22 | 15°18'18 | 3♈ 0 | 2°17 | 24°10 | 19°31 | 18°23 | 12°31 | 27°22 | 14°52 | 2°56 | 28°46 | 28° 2 | 14°52 | 25°16 | S 6 |
| M 7 | 19 3 18 | 16°15'36 | 16°16 | 2°12 | 23°55 | 19°56 | 18°34 | 12°27 | 27°26 | 14°51 | 2°56 | 28°D46 | 27°58 | 14°58 | 25°17 | M 7 |
| T 8 | 19 7 15 | 17°12'54 | 29° 8 | 2° 3 | 23°42 | 20°22 | 18°45 | 12°22 | 27°29 | 14°50 | 2°57 | 28°46 | 27°55 | 15° 5 | 25°18 | T 8 |
| W 9 | 19 11 11 | 18°10'12 | 11♉39 | 1°49 | 23°31 | 20°48 | 18°55 | 12°18 | 27°33 | 14°49 | 2°58 | 28°47 | 27°52 | 15°12 | 25°19 | W 9 |
| T 10 | 19 15 8 | 19° 7'29 | 23°55 | 1°31 | 23°23 | 21°14 | 19° 6 | 12°13 | 27°36 | 14°47 | 2°59 | 28°49 | 27°49 | 15°18 | 25°20 | T 10 |
| F 11 | 19 19 4 | 20° 4'47 | 5♊58 | 1° 9 | 23°17 | 21°40 | 19°16 | 12° 9 | 27°40 | 14°46 | 3° 0 | 28°50 | 27°46 | 15°25 | 25°21 | F 11 |
| S 12 | 19 23 1 | 21° 2'04 | 17°52 | 0°44 | 23°13 | 22° 7 | 19°26 | 12° 5 | 27°44 | 14°45 | 3° 1 | 28°51 | 27°43 | 15°32 | 25°22 | S 12 |
| S 13 | 19 26 57 | 21°59'21 | 29°41 | 0°16 | 23°D12 | 22°34 | 19°36 | 12° 0 | 27°47 | 14°44 | 3° 2 | 28°R52 | 27°39 | 15°38 | 25°22 | S 13 |
| M14 | 19 30 54 | 22°56'38 | 11♋28 | 29♋45 | 23°13 | 23° 1 | 19°46 | 11°56 | 27°51 | 14°42 | 3° 3 | 28°51 | 27°36 | 15°45 | 25°23 | M14 |
| T 15 | 19 34 51 | 23°53'55 | 23°16 | 29°12 | 23°17 | 23°28 | 19°56 | 11°52 | 27°54 | 14°41 | 3° 4 | 28°49 | 27°33 | 15°52 | 25°24 | T 15 |
| W16 | 19 38 47 | 24°51'12 | 5♌ 6 | 28°37 | 23°22 | 23°56 | 20° 6 | 11°47 | 27°58 | 14°40 | 3° 5 | 28°46 | 27°30 | 15°58 | 25°24 | W16 |
| T 17 | 19 42 44 | 25°48'28 | 17° 1 | 28° 1 | 23°30 | 24°24 | 20°16 | 11°43 | 28° 2 | 14°39 | 3° 6 | 28°42 | 27°27 | 16° 5 | 25°25 | T 17 |
| F 18 | 19 46 40 | 26°45'44 | 29° 3 | 27°24 | 23°40 | 24°52 | 20°26 | 11°39 | 28° 5 | 14°38 | 3° 7 | 28°38 | 27°23 | 16°12 | 25°26 | F 18 |
| S 19 | 19 50 37 | 27°43'00 | 11♍13 | 26°48 | 23°52 | 25°21 | 20°35 | 11°35 | 28° 9 | 14°37 | 3° 8 | 28°33 | 27°20 | 16°18 | 25°26 | S 19 |
| S 20 | 19 54 33 | 28°40'16 | 23°35 | 26°12 | 24° 6 | 25°50 | 20°44 | 11°31 | 28°13 | 14°36 | 3° 9 | 28°29 | 27°17 | 16°25 | 25°27 | S 20 |
| M21 | 19 58 30 | 29°37'31 | 6♎10 | 25°37 | 24°22 | 26°19 | 20°54 | 11°26 | 28°16 | 14°35 | 3°10 | 28°25 | 27°14 | 16°32 | 25°27 | M21 |
| T 22 | 20 2 26 | 0♏34'46 | 19° 2 | 25° 5 | 24°40 | 26°48 | 21° 3 | 11°22 | 28°20 | 14°34 | 3°11 | 28°23 | 27°11 | 16°38 | 25°27 | T 22 |
| W23 | 20 6 23 | 1°32'01 | 2♏14 | 24°34 | 25° 0 | 27°17 | 21°12 | 11°18 | 28°23 | 14°33 | 3°12 | 28°D23 | 27° 8 | 16°45 | 25°28 | W23 |
| T 24 | 20 10 20 | 2°29'16 | 15°47 | 24° 7 | 25°21 | 27°47 | 21°20 | 11°14 | 28°27 | 14°32 | 3°14 | 28°23 | 27° 4 | 16°52 | 25°28 | T 24 |
| F 25 | 20 14 16 | 3°26'31 | 29°43 | 23°44 | 25°44 | 28°17 | 21°29 | 11°10 | 28°31 | 14°31 | 3°15 | 28°25 | 27° 1 | 16°58 | 25°28 | F 25 |
| S 26 | 20 18 13 | 4°23'45 | 14♐ 3 | 23°24 | 26° 9 | 28°47 | 21°38 | 11° 6 | 28°34 | 14°30 | 3°16 | 28°26 | 26°58 | 17° 5 | 25°28 | S 26 |
| S 27 | 20 22 9 | 5°21'00 | 28°44 | 23° 9 | 26°35 | 29°18 | 21°46 | 11° 3 | 28°38 | 14°29 | 3°18 | 28°R27 | 26°55 | 17°12 | 25°28 | S 27 |
| M28 | 20 26 6 | 6°18'14 | 13♑43 | 22°59 | 27° 3 | 29°49 | 21°54 | 10°59 | 28°41 | 14°28 | 3°19 | 28°26 | 26°52 | 17°18 | 25°R28 | M28 |
| T 29 | 20 30 2 | 7°15'29 | 28°51 | 22°53 | 27°33 | 0♏19 | 22° 3 | 10°55 | 28°45 | 14°27 | 3°20 | 28°23 | 26°49 | 17°25 | 25°28 | T 29 |
| W30 | 20 33 59 | 8°12'43 | 14♒ 0 | 22°D53 | 28° 4 | 0°50 | 22°11 | 10°51 | 28°49 | 14°26 | 3°22 | 28°19 | 26°45 | 17°31 | 25°28 | W30 |
| T 31 | 20 37 55 | 9♌ 9'58 | 29♒ 0 | 22♋58 | 28♊36 | 1♏22 | 22♉19 | 10♑48 | 28♋52 | 14♐26 | 3♎23 | 28♐13 | 26♐42 | 17♋38 | 25♈28 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n54 | 19s50 | 1n57 | 18n59 | 0s44 | 20n18 | 2s57 | 6s51 | 0s 1 | 15n55 | 1s 4 | 21s48 | 0n54 | 21n 6 | 0n28 | 20s54 | 1n35 | 12n40 | 15n 3 | 23s19 | 23s18 | 21n 8 | 10n40 | 1n 3 |
| W 2 | 22 49 | 15 41 | 3 10 | 18 40 | 1 0 | 20 7 | 3 8 | 7 1 | 0 2 | 15 58 | 1 5 | 21 48 | 0 54 | 21 5 | 0 28 | 20 54 | 1 35 | 12 40 | 15 3 | 23 19 | 23 18 | 21 7 | 10 41 | 1 3 |
| T 3 | 22 44 | 10 37 | 4 9 | 18 22 | 1 16 | 19 56 | 3 18 | 7 11 | 0 3 | 16 1 | 1 5 | 21 49 | 0 54 | 21 4 | 0 28 | 20 53 | 1 35 | 12 39 | 15 2 | 23 19 | 23 18 | 21 5 | 10 41 | 1 3 |
| F 4 | 22 39 | 5 4 | 4 50 | 18 4 | 1 32 | 19 45 | 3 28 | 7 22 | 0 5 | 16 4 | 1 5 | 21 49 | 0 54 | 21 4 | 0 28 | 20 53 | 1 35 | 12 38 | 15 2 | 23 19 | 23 18 | 21 3 | 10 42 | 1 3 |
| S 5 | 22 33 | 0n35 | 5 12 | 17 48 | 1 48 | 19 35 | 3 37 | 7 32 | 0 6 | 16 7 | 1 5 | 21 50 | 0 54 | 21 3 | 0 28 | 20 53 | 1 35 | 12 38 | 15 2 | 23 19 | 23 18 | 21 2 | 10 42 | 1 3 |
| S 6 | 22 27 | 6 1 | 5 16 | 17 32 | 2 4 | 19 26 | 3 46 | 7 43 | 0 7 | 16 10 | 1 5 | 21 50 | 0 54 | 21 2 | 0 28 | 20 53 | 1 35 | 12 37 | 15 1 | 23 19 | 23 18 | 21 0 | 10 42 | 1 3 |
| M 7 | 22 20 | 11 1 | 5 2 | 17 17 | 2 21 | 19 17 | 3 54 | 7 53 | 0 9 | 16 13 | 1 5 | 21 51 | 0 54 | 21 2 | 0 28 | 20 53 | 1 35 | 12 36 | 15 1 | 23 19 | 23 18 | 20 59 | 10 43 | 1 3 |
| T 8 | 22 13 | 15 22 | 4 33 | 17 3 | 2 37 | 19 9 | 4 1 | 8 4 | 0 10 | 16 16 | 1 5 | 21 51 | 0 54 | 21 1 | 0 28 | 20 53 | 1 35 | 12 36 | 15 0 | 23 19 | 23 18 | 20 57 | 10 43 | 1 3 |
| W 9 | 22 5 | 18 56 | 3 52 | 16 50 | 2 53 | 19 1 | 4 8 | 8 15 | 0 11 | 16 18 | 1 5 | 21 52 | 0 54 | 21 0 | 0 28 | 20 53 | 1 35 | 12 35 | 15 0 | 23 19 | 23 18 | 20 56 | 10 44 | 1 3 |
| T 10 | 21 58 | 21 35 | 3 1 | 16 39 | 3 9 | 18 55 | 4 15 | 8 26 | 0 12 | 16 21 | 1 6 | 21 52 | 0 54 | 20 59 | 0 28 | 20 53 | 1 35 | 12 34 | 15 0 | 23 19 | 23 18 | 20 54 | 10 44 | 1 3 |
| F 11 | 21 49 | 23 13 | 2 3 | 16 29 | 3 24 | 18 48 | 4 21 | 8 37 | 0 13 | 16 24 | 1 6 | 21 53 | 0 53 | 20 59 | 0 28 | 20 52 | 1 35 | 12 34 | 14 59 | 23 19 | 23 18 | 20 52 | 10 44 | 1 3 |
| S 12 | 21 41 | 23 46 | 1 0 | 16 20 | 3 39 | 18 43 | 4 26 | 8 48 | 0 15 | 16 27 | 1 6 | 21 53 | 0 53 | 20 58 | 0 28 | 20 52 | 1 35 | 12 33 | 14 59 | 23 19 | 23 18 | 20 51 | 10 44 | 1 3 |
| S 13 | 21 32 | 23 14 | 0s 5 | 16 12 | 3 52 | 18 38 | 4 31 | 8 59 | 0 16 | 16 29 | 1 6 | 21 53 | 0 53 | 20 57 | 0 28 | 20 52 | 1 35 | 12 32 | 14 58 | 23 19 | 23 18 | 20 49 | 10 45 | 1 3 |
| M14 | 21 22 | 21 41 | 1 9 | 16 6 | 4 5 | 18 33 | 4 36 | 9 10 | 0 17 | 16 32 | 1 6 | 21 54 | 0 53 | 20 57 | 0 28 | 20 52 | 1 35 | 12 31 | 14 58 | 23 19 | 23 18 | 20 48 | 10 45 | 1 3 |
| T 15 | 21 13 | 19 11 | 2 10 | 16 1 | 4 17 | 18 29 | 4 40 | 9 21 | 0 18 | 16 34 | 1 6 | 21 54 | 0 53 | 20 56 | 0 28 | 20 52 | 1 35 | 12 31 | 14 58 | 23 19 | 23 18 | 20 46 | 10 45 | 1 3 |
| W16 | 21 3 | 15 53 | 3 6 | 15 58 | 4 27 | 18 26 | 4 43 | 9 32 | 0 19 | 16 37 | 1 6 | 21 55 | 0 53 | 20 55 | 0 28 | 20 52 | 1 35 | 12 30 | 14 57 | 23 19 | 23 17 | 20 44 | 10 45 | 1 3 |
| T 17 | 20 52 | 11 56 | 3 54 | 15 56 | 4 36 | 18 23 | 4 46 | 9 44 | 0 20 | 16 39 | 1 6 | 21 55 | 0 53 | 20 54 | 0 28 | 20 52 | 1 35 | 12 29 | 14 57 | 23 18 | 23 17 | 20 43 | 10 46 | 1 3 |
| F 18 | 20 42 | 7 29 | 4 32 | 15 56 | 4 44 | 18 21 | 4 49 | 9 55 | 0 21 | 16 41 | 1 7 | 21 56 | 0 53 | 20 54 | 0 28 | 20 52 | 1 35 | 12 28 | 14 56 | 23 18 | 23 17 | 20 41 | 10 46 | 1 3 |
| S 19 | 20 31 | 2 42 | 4 59 | 15 56 | 4 50 | 18 19 | 4 51 | 10 6 | 0 22 | 16 44 | 1 7 | 21 56 | 0 53 | 20 53 | 0 28 | 20 52 | 1 35 | 12 28 | 14 56 | 23 18 | 23 17 | 20 40 | 10 46 | 1 3 |
| S 20 | 20 19 | 2s14 | 5 12 | 15 59 | 4 55 | 18 18 | 4 53 | 10 18 | 0 24 | 16 46 | 1 7 | 21 57 | 0 53 | 20 52 | 0 28 | 20 52 | 1 35 | 12 27 | 14 56 | 23 18 | 23 17 | 20 38 | 10 46 | 1 3 |
| M21 | 20 7 | 7 11 | 5 10 | 16 2 | 4 58 | 18 17 | 4 55 | 10 29 | 0 25 | 16 48 | 1 7 | 21 57 | 0 52 | 20 52 | 0 28 | 20 52 | 1 35 | 12 26 | 14 55 | 23 18 | 23 17 | 20 36 | 10 46 | 1 3 |
| T 22 | 19 55 | 11 56 | 4 53 | 16 6 | 4 59 | 18 16 | 4 56 | 10 41 | 0 26 | 16 51 | 1 7 | 21 58 | 0 52 | 20 51 | 0 28 | 20 52 | 1 35 | 12 25 | 14 55 | 23 18 | 23 17 | 20 35 | 10 46 | 1 3 |
| W23 | 19 43 | 16 15 | 4 20 | 16 12 | 4 58 | 18 16 | 4 57 | 10 52 | 0 27 | 16 53 | 1 7 | 21 58 | 0 52 | 20 50 | 0 28 | 20 51 | 1 35 | 12 25 | 14 55 | 23 18 | 23 17 | 20 33 | 10 46 | 1 3 |
| T 24 | 19 30 | 19 52 | 3 32 | 16 18 | 4 56 | 18 16 | 4 58 | 11 4 | 0 28 | 16 55 | 1 7 | 21 59 | 0 52 | 20 49 | 0 28 | 20 51 | 1 35 | 12 24 | 14 54 | 23 18 | 23 17 | 20 31 | 10 47 | 1 3 |
| F 25 | 19 17 | 22 26 | 2 30 | 16 26 | 4 53 | 18 17 | 4 58 | 11 15 | 0 29 | 16 57 | 1 8 | 21 59 | 0 52 | 20 49 | 0 28 | 20 51 | 1 35 | 12 23 | 14 54 | 23 18 | 23 17 | 20 30 | 10 47 | 1 3 |
| S 26 | 19 4 | 23 39 | 1 18 | 16 34 | 4 48 | 18 18 | 4 58 | 11 27 | 0 30 | 16 59 | 1 8 | 21 59 | 0 52 | 20 48 | 0 28 | 20 51 | 1 34 | 12 22 | 14 54 | 23 18 | 23 17 | 20 28 | 10 47 | 1 3 |
| S 27 | 18 50 | 23 17 | 0n 2 | 16 43 | 4 42 | 18 19 | 4 58 | 11 39 | 0 31 | 17 1 | 1 8 | 22 0 | 0 52 | 20 47 | 0 28 | 20 51 | 1 34 | 12 21 | 14 53 | 23 18 | 23 17 | 20 27 | 10 47 | 1 3 |
| M28 | 18 36 | 21 15 | 1 22 | 16 52 | 4 34 | 18 20 | 4 57 | 11 50 | 0 32 | 17 3 | 1 8 | 22 0 | 0 52 | 20 47 | 0 28 | 20 51 | 1 34 | 12 20 | 14 53 | 23 18 | 23 17 | 20 25 | 10 47 | 1 3 |
| T 29 | 18 22 | 17 42 | 2 38 | 17 1 | 4 25 | 18 21 | 4 56 | 12 2 | 0 33 | 17 5 | 1 8 | 22 1 | 0 51 | 20 46 | 0 28 | 20 51 | 1 34 | 12 20 | 14 53 | 23 18 | 23 17 | 20 23 | 10 47 | 1 3 |
| W30 | 18 7 | 12 59 | 3 42 | 17 11 | 4 15 | 18 23 | 4 55 | 12 14 | 0 33 | 17 7 | 1 8 | 22 1 | 0 51 | 20 45 | 0 28 | 20 51 | 1 34 | 12 19 | 14 52 | 23 18 | 23 17 | 20 22 | 10 47 | 1 3 |
| T 31 | 17n52 | 7s31 | 4n31 | 17n21 | 4s 4 | 18n24 | 4s54 | 12s25 | 0s34 | 17n 9 | 1s 9 | 22s 2 | 0n51 | 20n44 | 0n28 | 20s51 | 1n34 | 12n18 | 14n52 | 23s18 | 23s16 | 20n20 | 10n46 | 1n 3 |

Julian Day Number = 2802359.5, Delta T = 50m40s
Ecliptic obliquity = 23°18'52, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°11'06, Lahiri = 37°18'07


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# ASTRODIENST EPHEMERIS for the year 2960
# geocentric

## AUGUST 2960 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 20 41 52 | 10♌ 7'13 | 13♓42 | 23♋ 8 | 29♊10 | 1♏53 | 22♉26 | 10°R44 | 28♋56 | 14°R25 | 3♎25 | 28°R 7 | 26♐39 | 17♋45 | 25°R28 | F 1 |
| S 2 | 20 45 49 | 11° 4'29 | 28° 0 | 23°25 | 29°44 | 2°25 | 22°34 | 10♏41 | 28°59 | 14♐24 | 3°26 | 28♐ 1 | 26°36 | 17°51 | 25♈27 | S 2 |
| S 3 | 20 49 45 | 12° 1'46 | 11♈50 | 23°46 | 0♋21 | 2°57 | 22°41 | 10°37 | 29° 3 | 14°23 | 3°28 | 27°56 | 26°33 | 17°58 | 25°27 | S 3 |
| M 4 | 20 53 42 | 12°59'03 | 25°11 | 24°14 | 0°58 | 3°29 | 22°49 | 10°34 | 29° 7 | 14°23 | 3°29 | 27°53 | 26°29 | 18° 5 | 25°27 | M 4 |
| T 5 | 20 57 38 | 13°56'20 | 8♉ 5 | 24°47 | 1°37 | 4° 1 | 22°56 | 10°30 | 29°10 | 14°22 | 3°31 | 27°51 | 26°26 | 18°11 | 25°26 | T 5 |
| W 6 | 21 1 35 | 14°53'39 | 20°36 | 25°25 | 2°16 | 4°33 | 23° 3 | 10°27 | 29°14 | 14°21 | 3°32 | 27°D51 | 26°23 | 18°18 | 25°26 | W 6 |
| T 7 | 21 5 31 | 15°50'59 | 2♊49 | 26° 9 | 2°57 | 5° 6 | 23°10 | 10°24 | 29°17 | 14°21 | 3°34 | 27°52 | 26°20 | 18°25 | 25°25 | T 7 |
| F 8 | 21 9 28 | 16°48'19 | 14°48 | 26°59 | 3°39 | 5°39 | 23°16 | 10°21 | 29°21 | 14°20 | 3°35 | 27°54 | 26°17 | 18°31 | 25°25 | F 8 |
| S 9 | 21 13 24 | 17°45'40 | 26°39 | 27°54 | 4°21 | 6°12 | 23°23 | 10°18 | 29°24 | 14°20 | 3°37 | 27°R54 | 26°14 | 18°38 | 25°24 | S 9 |
| S 10 | 21 17 21 | 18°43'02 | 8♋26 | 28°55 | 5° 5 | 6°45 | 23°29 | 10°15 | 29°28 | 14°19 | 3°39 | 27°54 | 26°10 | 18°45 | 25°24 | S 10 |
| M11 | 21 21 18 | 19°40'24 | 20°13 | 0♌ 1 | 5°49 | 7°18 | 23°36 | 10°12 | 29°31 | 14°19 | 3°40 | 27°51 | 26° 7 | 18°51 | 25°23 | M11 |
| T 12 | 21 25 14 | 20°37'48 | 2♌ 4 | 1°12 | 6°35 | 7°52 | 23°42 | 10° 9 | 29°35 | 14°18 | 3°42 | 27°46 | 26° 4 | 18°58 | 25°22 | T 12 |
| W13 | 21 29 11 | 21°35'12 | 14° 0 | 2°28 | 7°21 | 8°26 | 23°48 | 10° 6 | 29°38 | 14°18 | 3°44 | 27°39 | 26° 1 | 19° 5 | 25°21 | W13 |
| T 14 | 21 33 7 | 22°32'37 | 26° 4 | 3°50 | 8° 8 | 9° 0 | 23°53 | 10° 3 | 29°41 | 14°18 | 3°45 | 27°30 | 25°58 | 19°11 | 25°20 | T 14 |
| F 15 | 21 37 4 | 23°30'02 | 8♍17 | 5°15 | 8°56 | 9°34 | 23°59 | 10° 1 | 29°45 | 14°17 | 3°47 | 27°20 | 25°55 | 19°18 | 25°20 | F 15 |
| S 16 | 21 41 0 | 24°27'29 | 20°41 | 6°46 | 9°45 | 10° 8 | 24° 4 | 9°58 | 29°48 | 14°17 | 3°49 | 27°10 | 25°51 | 19°25 | 25°19 | S 16 |
| S 17 | 21 44 57 | 25°24'56 | 3♎15 | 8°21 | 10°34 | 10°42 | 24°10 | 9°56 | 29°52 | 14°17 | 3°51 | 27° 0 | 25°48 | 19°31 | 25°18 | S 17 |
| M18 | 21 48 53 | 26°22'23 | 16° 2 | 10° 0 | 11°24 | 11°17 | 24°15 | 9°53 | 29°55 | 14°16 | 3°52 | 26°52 | 25°45 | 19°38 | 25°17 | M18 |
| T 19 | 21 52 50 | 27°19'51 | 29° 2 | 11°43 | 12°15 | 11°52 | 24°20 | 9°51 | 29°58 | 14°16 | 3°54 | 26°47 | 25°42 | 19°45 | 25°15 | T 19 |
| W20 | 21 56 47 | 28°17'20 | 12♏16 | 13°29 | 13° 6 | 12°27 | 24°24 | 9°49 | 0♌ 2 | 14°16 | 3°56 | 26°43 | 25°39 | 19°51 | 25°14 | W20 |
| T 21 | 22 0 43 | 29°14'50 | 25°46 | 15°19 | 13°58 | 13° 2 | 24°29 | 9°47 | 0° 5 | 14°16 | 3°58 | 26°D42 | 25°35 | 19°58 | 25°13 | T 21 |
| F 22 | 22 4 40 | 0♍12'20 | 9♐34 | 17°11 | 14°50 | 13°37 | 24°33 | 9°45 | 0° 8 | 14°16 | 4° 0 | 26°42 | 25°32 | 20° 5 | 25°12 | F 22 |
| S 23 | 22 8 36 | 1° 9'51 | 23°41 | 19° 6 | 15°44 | 14°12 | 24°38 | 9°43 | 0°11 | 14°16 | 4° 2 | 26°R43 | 25°29 | 20°11 | 25°11 | S 23 |
| S 24 | 22 12 33 | 2° 7'23 | 8♑ 5 | 21° 4 | 16°37 | 14°48 | 24°42 | 9°41 | 0°15 | 14°16 | 4° 4 | 26°43 | 25°26 | 20°18 | 25° 9 | S 24 |
| M25 | 22 16 29 | 3° 4'56 | 22°45 | 23° 3 | 17°32 | 15°24 | 24°45 | 9°39 | 0°18 | 14°D16 | 4° 6 | 26°40 | 25°23 | 20°25 | 25° 8 | M25 |
| T 26 | 22 20 26 | 4° 2'29 | 7♒36 | 25° 3 | 18°26 | 15°59 | 24°49 | 9°38 | 0°21 | 14°16 | 4° 7 | 26°35 | 25°20 | 20°31 | 25° 6 | T 26 |
| W27 | 22 24 22 | 5° 0'03 | 22°31 | 27° 4 | 19°22 | 16°35 | 24°53 | 9°36 | 0°24 | 14°16 | 4° 9 | 26°28 | 25°16 | 20°38 | 25° 5 | W27 |
| T 28 | 22 28 19 | 5°57'38 | 7♓21 | 29° 7 | 20°18 | 17°11 | 24°56 | 9°34 | 0°27 | 14°16 | 4°11 | 26°19 | 25°13 | 20°45 | 25° 3 | T 28 |
| F 29 | 22 32 16 | 6°55'15 | 21°58 | 1♍ 9 | 21°14 | 17°48 | 24°59 | 9°33 | 0°30 | 14°16 | 4°13 | 26° 8 | 25°10 | 20°51 | 25° 2 | F 29 |
| S 30 | 22 36 12 | 7°52'52 | 6♈14 | 3°12 | 22°11 | 18°24 | 25° 2 | 9°32 | 0°33 | 14°16 | 4°15 | 25°58 | 25° 7 | 20°58 | 25° 0 | S 30 |
| S 31 | 22 40 9 | 8♍50'31 | 20♈ 5 | 5♍14 | 23♋ 8 | 19♏ 1 | 25♉ 5 | 9♑30 | 0♌36 | 14♐16 | 4♎17 | 25♐49 | 25♐ 4 | 21♋ 4 | 24♈59 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 17n37 | 1s45 | 5n 0 | 17n31 | 3s53 | 18n26 | 4s53 | 12s37 | 0s35 | 17n11 | 1s 9 | 22s 2 | 0n51 | 20n44 | 0n28 | 20s51 | 1n34 | 12n17 | 14n52 | 23s18 | 23s16 | 20n18 | 10n46 | 1n | 3 |
| S 2 | 17 22 | 3n57 | 5 10 | 17 41 | 3 40 | 18 28 | 4 51 | 12 49 | 0 36 | 17 12 | 1 9 | 22 2 | 0 51 | 20 43 | 0 28 | 20 51 | 1 34 | 12 16 | 14 51 | 23 18 | 23 16 | 20 17 | 10 46 | 1 | 3 |
| S 3 | 17 6 | 9 16 | 5 1 | 17 50 | 3 27 | 18 30 | 4 49 | 13 1 | 0 37 | 17 14 | 1 9 | 22 3 | 0 51 | 20 42 | 0 28 | 20 51 | 1 34 | 12 15 | 14 51 | 23 18 | 23 16 | 20 15 | 10 46 | 1 | 3 |
| M 4 | 16 50 | 13 58 | 4 36 | 17 59 | 3 13 | 18 32 | 4 47 | 13 12 | 0 38 | 17 16 | 1 9 | 22 3 | 0 51 | 20 42 | 0 28 | 20 51 | 1 34 | 12 14 | 14 51 | 23 18 | 23 16 | 20 13 | 10 46 | 1 | 3 |
| T 5 | 16 34 | 17 52 | 3 57 | 18 8 | 2 59 | 18 34 | 4 45 | 13 24 | 0 39 | 17 17 | 1 9 | 22 4 | 0 51 | 20 41 | 0 28 | 20 51 | 1 34 | 12 14 | 14 50 | 23 18 | 23 16 | 20 12 | 10 46 | 1 | 3 |
| W 6 | 16 17 | 20 50 | 3 8 | 18 15 | 2 44 | 18 35 | 4 42 | 13 36 | 0 40 | 17 19 | 1 10 | 22 4 | 0 50 | 20 40 | 0 28 | 20 51 | 1 34 | 12 13 | 14 50 | 23 18 | 23 16 | 20 10 | 10 46 | 1 | 3 |
| T 7 | 16 0 | 22 46 | 2 12 | 18 22 | 2 29 | 18 37 | 4 40 | 13 47 | 0 41 | 17 21 | 1 10 | 22 4 | 0 50 | 20 39 | 0 28 | 20 51 | 1 34 | 12 12 | 14 50 | 23 18 | 23 16 | 20 8 | 10 45 | 1 | 3 |
| F 8 | 15 43 | 23 37 | 1 10 | 18 27 | 2 14 | 18 39 | 4 37 | 13 59 | 0 41 | 17 22 | 1 10 | 22 5 | 0 50 | 20 39 | 0 28 | 20 51 | 1 34 | 12 11 | 14 49 | 23 18 | 23 16 | 20 6 | 10 45 | 1 | 3 |
| S 9 | 15 26 | 23 23 | 0 7 | 18 31 | 1 59 | 18 41 | 4 34 | 14 11 | 0 42 | 17 23 | 1 10 | 22 5 | 0 50 | 20 38 | 0 28 | 20 51 | 1 34 | 12 10 | 14 49 | 23 18 | 23 16 | 20 5 | 10 45 | 1 | 3 |
| S 10 | 15 8 | 22 6 | 0s57 | 18 34 | 1 44 | 18 42 | 4 31 | 14 23 | 0 43 | 17 25 | 1 10 | 22 6 | 0 50 | 20 37 | 0 28 | 20 51 | 1 34 | 12 9 | 14 49 | 23 18 | 23 16 | 20 3 | 10 45 | 1 | 3 |
| M11 | 14 50 | 19 52 | 1 57 | 18 36 | 1 29 | 18 44 | 4 28 | 14 34 | 0 44 | 17 26 | 1 10 | 22 6 | 0 50 | 20 37 | 0 28 | 20 51 | 1 34 | 12 8 | 14 49 | 23 18 | 23 15 | 20 1 | 10 44 | 1 | 3 |
| T 12 | 14 32 | 16 47 | 2 53 | 18 35 | 1 14 | 18 45 | 4 25 | 14 46 | 0 45 | 17 28 | 1 11 | 22 6 | 0 50 | 20 36 | 0 28 | 20 51 | 1 34 | 12 7 | 14 48 | 23 18 | 23 15 | 20 0 | 10 44 | 1 | 3 |
| W13 | 14 14 | 13 0 | 3 42 | 18 33 | 0 59 | 18 46 | 4 21 | 14 57 | 0 45 | 17 29 | 1 11 | 22 7 | 0 50 | 20 35 | 0 28 | 20 51 | 1 34 | 12 6 | 14 48 | 23 18 | 23 15 | 19 58 | 10 44 | 1 | 3 |
| T 14 | 13 56 | 8 40 | 4 21 | 18 29 | 0 44 | 18 47 | 4 18 | 15 9 | 0 46 | 17 30 | 1 11 | 22 7 | 0 49 | 20 34 | 0 28 | 20 51 | 1 34 | 12 6 | 14 48 | 23 17 | 23 15 | 19 56 | 10 44 | 1 | 3 |
| F 15 | 13 37 | 3 57 | 4 48 | 18 22 | 0 30 | 18 47 | 4 14 | 15 21 | 0 47 | 17 31 | 1 11 | 22 7 | 0 49 | 20 34 | 0 28 | 20 51 | 1 33 | 12 5 | 14 48 | 23 17 | 23 15 | 19 54 | 10 43 | 1 | 3 |
| S 16 | 13 18 | 0s58 | 5 3 | 18 13 | 0 16 | 18 48 | 4 10 | 15 32 | 0 48 | 17 32 | 1 11 | 22 8 | 0 49 | 20 33 | 0 28 | 20 51 | 1 33 | 12 4 | 14 47 | 23 17 | 23 15 | 19 53 | 10 43 | 1 | 3 |
| S 17 | 12 59 | 5 55 | 5 3 | 18 2 | 0 3 | 18 48 | 4 6 | 15 44 | 0 48 | 17 34 | 1 11 | 22 8 | 0 49 | 20 32 | 0 29 | 20 51 | 1 33 | 12 3 | 14 47 | 23 17 | 23 15 | 19 51 | 10 42 | 1 | 3 |
| M18 | 12 40 | 10 42 | 4 48 | 17 48 | 0n 9 | 18 48 | 4 3 | 15 55 | 0 49 | 17 35 | 1 12 | 22 8 | 0 49 | 20 32 | 0 29 | 20 51 | 1 33 | 12 2 | 14 47 | 23 17 | 23 15 | 19 49 | 10 42 | 1 | 3 |
| T 19 | 12 20 | 15 6 | 4 18 | 17 32 | 0 22 | 18 48 | 3 58 | 16 6 | 0 50 | 17 36 | 1 12 | 22 9 | 0 49 | 20 31 | 0 29 | 20 51 | 1 33 | 12 1 | 14 47 | 23 17 | 23 15 | 19 47 | 10 42 | 1 | 2 |
| W20 | 12 0 | 18 50 | 3 34 | 17 13 | 0 33 | 18 47 | 3 54 | 16 18 | 0 51 | 17 37 | 1 12 | 22 9 | 0 49 | 20 30 | 0 29 | 20 51 | 1 33 | 12 0 | 14 47 | 23 16 | 23 15 | 19 46 | 10 41 | 1 | 2 |
| T 21 | 11 41 | 21 39 | 2 37 | 16 51 | 0 44 | 18 46 | 3 50 | 16 29 | 0 51 | 17 37 | 1 12 | 22 9 | 0 48 | 20 30 | 0 29 | 20 51 | 1 33 | 11 59 | 14 46 | 23 16 | 23 14 | 19 44 | 10 41 | 1 | 2 |
| F 22 | 11 20 | 23 15 | 1 30 | 16 27 | 0 53 | 18 45 | 3 46 | 16 40 | 0 52 | 17 38 | 1 12 | 22 9 | 0 48 | 20 29 | 0 29 | 20 51 | 1 33 | 11 58 | 14 46 | 23 16 | 23 14 | 19 42 | 10 40 | 1 | 2 |
| S 23 | 11 0 | 23 26 | 0 16 | 16 0 | 1 2 | 18 43 | 3 42 | 16 51 | 0 53 | 17 39 | 1 13 | 22 10 | 0 48 | 20 28 | 0 29 | 20 51 | 1 33 | 11 57 | 14 46 | 23 16 | 23 14 | 19 40 | 10 40 | 1 | 2 |
| S 24 | 10 40 | 22 4 | 1n 0 | 15 31 | 1 11 | 18 42 | 3 37 | 17 3 | 0 53 | 17 40 | 1 13 | 22 10 | 0 48 | 20 28 | 0 29 | 20 51 | 1 33 | 11 56 | 14 46 | 23 16 | 23 14 | 19 39 | 10 39 | 1 | 2 |
| M25 | 10 19 | 19 12 | 2 14 | 15 0 | 1 18 | 18 39 | 3 33 | 17 14 | 0 54 | 17 41 | 1 13 | 22 10 | 0 48 | 20 27 | 0 29 | 20 51 | 1 33 | 11 56 | 14 46 | 23 16 | 23 14 | 19 37 | 10 39 | 1 | 2 |
| T 26 | 9 59 | 15 3 | 3 19 | 14 26 | 1 24 | 18 37 | 3 28 | 17 25 | 0 55 | 17 41 | 1 13 | 22 11 | 0 48 | 20 26 | 0 29 | 20 51 | 1 33 | 11 55 | 14 45 | 23 16 | 23 14 | 19 35 | 10 38 | 1 | 2 |
| W27 | 9 38 | 9 58 | 4 11 | 13 50 | 1 30 | 18 34 | 3 24 | 17 36 | 0 55 | 17 42 | 1 13 | 22 11 | 0 48 | 20 26 | 0 29 | 20 51 | 1 33 | 11 54 | 14 45 | 23 16 | 23 14 | 19 33 | 10 37 | 1 | 2 |
| T 28 | 9 17 | 4 20 | 4 46 | 13 12 | 1 34 | 18 31 | 3 19 | 17 46 | 0 56 | 17 43 | 1 14 | 22 11 | 0 47 | 20 25 | 0 29 | 20 51 | 1 33 | 11 53 | 14 45 | 23 16 | 23 14 | 19 32 | 10 37 | 1 | 2 |
| F 29 | 8 56 | 1n27 | 5 2 | 12 32 | 1 38 | 18 27 | 3 14 | 17 57 | 0 57 | 17 43 | 1 14 | 22 11 | 0 47 | 20 24 | 0 29 | 20 51 | 1 33 | 11 52 | 14 45 | 23 16 | 23 14 | 19 30 | 10 36 | 1 | 2 |
| S 30 | 8 34 | 7 1 | 4 58 | 11 51 | 1 41 | 18 23 | 3 10 | 18 8 | 0 57 | 17 44 | 1 14 | 22 12 | 0 47 | 20 24 | 0 29 | 20 52 | 1 33 | 11 51 | 14 45 | 23 15 | 23 14 | 19 28 | 10 36 | 1 | 2 |
| S 31 | 8n13 | 12n 4 | 4n36 | 11n 9 | 1n43 | 18n18 | 3s 5 | 18s19 | 0s58 | 17n44 | 1s14 | 22s12 | 0n47 | 20n23 | 0n29 | 20s52 | 1n33 | 11n50 | 14n45 | 23s15 | 23s13 | 19n26 | 10n35 | 1n | 2 |

Julian Day Number = 2802390.5, Delta T = 50m41s
Ecliptic obliquity = 23°18'53, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°11'11, Lahiri = 37°18'11


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# ASTRODIENST EPHEMERIS for the year 2960
# geocentric

## SEPTEMBER 2960 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 22 44 5 | 9♍48'11 | 3♉28 | 7♍16 | 24♋ 6 | 19♏37 | 25♉ 7 | 9°R29 | 0♌39 | 14♐16 | 4♎19 | 25°R42 | 25♐ 1 | 21♋11 | 24°R57 | M 1 |
| T 2 | 22 48 2 | 10°45'53 | 16°25 | 9°17 | 25° 4 | 20°14 | 25°10 | 9♑28 | 0°42 | 14°17 | 4°21 | 25♐38 | 24°57 | 21°18 | 24♈55 | T 2 |
| W 3 | 22 51 58 | 11°43'37 | 28°58 | 11°18 | 26° 3 | 20°51 | 25°12 | 9°27 | 0°45 | 14°17 | 4°23 | 25°35 | 24°54 | 21°24 | 24°53 | W 3 |
| T 4 | 22 55 55 | 12°41'22 | 11♊12 | 13°18 | 27° 2 | 21°28 | 25°14 | 9°27 | 0°48 | 14°17 | 4°26 | 25°D35 | 24°51 | 21°31 | 24°52 | T 4 |
| F 5 | 22 59 51 | 13°39'08 | 23°12 | 15°17 | 28° 1 | 22° 5 | 25°15 | 9°26 | 0°51 | 14°17 | 4°28 | 25°R35 | 24°48 | 21°38 | 24°50 | F 5 |
| S 6 | 23 3 48 | 14°36'57 | 5♋ 3 | 17°14 | 29° 1 | 22°43 | 25°17 | 9°25 | 0°54 | 14°18 | 4°30 | 25°35 | 24°45 | 21°44 | 24°48 | S 6 |
| S 7 | 23 7 45 | 15°34'46 | 16°50 | 19°11 | 0♌ 1 | 23°20 | 25°18 | 9°25 | 0°57 | 14°18 | 4°32 | 25°33 | 24°41 | 21°51 | 24°46 | S 7 |
| M 8 | 23 11 41 | 16°32'38 | 28°39 | 21° 6 | 1° 1 | 23°58 | 25°20 | 9°24 | 1° 0 | 14°19 | 4°34 | 25°29 | 24°38 | 21°58 | 24°44 | M 8 |
| T 9 | 23 15 38 | 17°30'31 | 10♌34 | 23° 0 | 2° 2 | 24°36 | 25°21 | 9°24 | 1° 2 | 14°19 | 4°36 | 25°22 | 24°35 | 22° 4 | 24°42 | T 9 |
| W10 | 23 19 34 | 18°28'25 | 22°38 | 24°53 | 3° 4 | 25°13 | 25°21 | 9°23 | 1° 5 | 14°20 | 4°38 | 25°13 | 24°32 | 22°11 | 24°40 | W10 |
| T 11 | 23 23 31 | 19°26'21 | 4♍53 | 26°45 | 4° 5 | 25°51 | 25°22 | 9°23 | 1° 8 | 14°20 | 4°40 | 25° 2 | 24°29 | 22°18 | 24°38 | T 11 |
| F 12 | 23 27 27 | 20°24'19 | 17°20 | 28°35 | 5° 7 | 26°30 | 25°22 | 9°D23 | 1°11 | 14°21 | 4°42 | 24°49 | 24°26 | 22°24 | 24°36 | F 12 |
| S 13 | 23 31 24 | 21°22'18 | 0♎ 1 | 0♎24 | 6° 9 | 27° 8 | 25°R23 | 9°23 | 1°13 | 14°21 | 4°44 | 24°35 | 24°22 | 22°31 | 24°33 | S 13 |
| S 14 | 23 35 20 | 22°20'19 | 12°54 | 2°12 | 7°12 | 27°46 | 25°23 | 9°23 | 1°16 | 14°22 | 4°47 | 24°23 | 24°19 | 22°38 | 24°31 | S 14 |
| M15 | 23 39 17 | 23°18'21 | 25°59 | 3°58 | 8°14 | 28°25 | 25°22 | 9°24 | 1°18 | 14°23 | 4°49 | 24°12 | 24°16 | 22°44 | 24°29 | M15 |
| T 16 | 23 43 13 | 24°16'24 | 9♏16 | 5°43 | 9°17 | 29° 3 | 25°22 | 9°24 | 1°21 | 14°23 | 4°51 | 24° 4 | 24°13 | 22°51 | 24°27 | T 16 |
| W17 | 23 47 10 | 25°14'29 | 22°43 | 7°27 | 10°21 | 29°42 | 25°21 | 9°24 | 1°23 | 14°24 | 4°53 | 23°59 | 24°10 | 22°58 | 24°25 | W17 |
| T 18 | 23 51 7 | 26°12'35 | 6♐21 | 9°10 | 11°24 | 0♐21 | 25°20 | 9°25 | 1°26 | 14°25 | 4°55 | 23°57 | 24° 6 | 23° 4 | 24°22 | T 18 |
| F 19 | 23 55 3 | 27°10'43 | 20° 9 | 10°51 | 12°28 | 1° 0 | 25°19 | 9°25 | 1°28 | 14°25 | 4°57 | 23°57 | 24° 3 | 23°11 | 24°20 | F 19 |
| S 20 | 23 59 0 | 28° 8'52 | 4♑ 9 | 12°31 | 13°32 | 1°39 | 25°18 | 9°26 | 1°31 | 14°26 | 5° 0 | 23°56 | 24° 0 | 23°18 | 24°18 | S 20 |
| S 21 | 0 2 56 | 29° 7'03 | 18°21 | 14°10 | 14°37 | 2°18 | 25°17 | 9°27 | 1°33 | 14°27 | 5° 2 | 23°56 | 23°57 | 23°24 | 24°15 | S 21 |
| M22 | 0 6 53 | 0♎ 5'14 | 2♒41 | 15°48 | 15°41 | 2°58 | 25°15 | 9°28 | 1°35 | 14°28 | 5° 4 | 23°53 | 23°54 | 23°31 | 24°13 | M22 |
| T 23 | 0 10 49 | 1° 3'27 | 17°10 | 17°25 | 16°46 | 3°37 | 25°13 | 9°29 | 1°37 | 14°29 | 5° 6 | 23°48 | 23°51 | 23°38 | 24°10 | T 23 |
| W24 | 0 14 46 | 2° 1'42 | 1♓40 | 19° 0 | 17°51 | 4°17 | 25°11 | 9°30 | 1°40 | 14°30 | 5° 8 | 23°40 | 23°47 | 23°44 | 24° 8 | W24 |
| T 25 | 0 18 42 | 2°59'58 | 16° 8 | 20°34 | 18°57 | 4°57 | 25° 9 | 9°31 | 1°42 | 14°31 | 5°10 | 23°29 | 23°44 | 23°51 | 24° 5 | T 25 |
| F 26 | 0 22 39 | 3°58'16 | 0♈26 | 22° 8 | 20° 2 | 5°36 | 25° 7 | 9°32 | 1°44 | 14°32 | 5°13 | 23°18 | 23°41 | 23°58 | 24° 3 | F 26 |
| S 27 | 0 26 36 | 4°56'35 | 14°28 | 23°40 | 21° 8 | 6°16 | 25° 4 | 9°34 | 1°46 | 14°33 | 5°15 | 23° 6 | 23°38 | 24° 4 | 24° 0 | S 27 |
| S 28 | 0 30 32 | 5°54'56 | 28° 9 | 25°11 | 22°14 | 6°56 | 25° 1 | 9°35 | 1°48 | 14°34 | 5°17 | 22°56 | 23°35 | 24°11 | 23°58 | S 28 |
| M29 | 0 34 29 | 6°53'20 | 11♉28 | 26°40 | 23°20 | 7°36 | 24°58 | 9°37 | 1°50 | 14°35 | 5°19 | 22°48 | 23°32 | 24°18 | 23°55 | M29 |
| T 30 | 0 38 25 | 7♎51'45 | 24♉22 | 28♎ 9 | 24♌27 | 8♐17 | 24♉55 | 9♑39 | 1♌52 | 14♐36 | 5♎21 | 22♐42 | 23♐28 | 24♋24 | 23♈53 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 7n51 | 16n22 | 4n 0 | 10n25 | 1n45 | 18n13 | 3s 0 | 18s29 | 0s58 | 17n45 | 1s14 | 22s12 | 0n47 | 20n22 | 0n29 | 20s52 | 1n33 | 11n49 | 14n44 | 23s15 | 23s13 | 19n24 | 10n34 | 1n 2 | M 1 |
| T 2 | 7 30 | 19 44 | 3 12 | 9 40 | 1 45 | 18 8 | 2 55 | 18 40 | 0 59 | 17 45 | 1 14 | 22 12 | 0 47 | 20 22 | 0 29 | 20 52 | 1 32 | 11 48 | 14 44 | 23 15 | 23 13 | 19 23 | 10 34 | 1 2 | T 2 |
| W 3 | 7 8 | 22 3 | 2 16 | 8 55 | 1 45 | 18 2 | 2 50 | 18 50 | 1 0 | 17 45 | 1 15 | 22 12 | 0 46 | 20 21 | 0 29 | 20 52 | 1 32 | 11 47 | 14 44 | 23 14 | 23 13 | 19 21 | 10 33 | 1 2 | W 3 |
| T 4 | 6 46 | 23 15 | 1 16 | 8 8 | 1 44 | 17 56 | 2 45 | 19 0 | 1 0 | 17 46 | 1 15 | 22 13 | 0 46 | 20 21 | 0 29 | 20 52 | 1 32 | 11 46 | 14 44 | 23 14 | 23 13 | 19 19 | 10 32 | 1 2 | T 4 |
| F 5 | 6 24 | 23 21 | 0 13 | 7 21 | 1 43 | 17 50 | 2 41 | 19 10 | 1 1 | 17 46 | 1 15 | 22 13 | 0 46 | 20 20 | 0 29 | 20 52 | 1 32 | 11 45 | 14 44 | 23 14 | 23 13 | 19 17 | 10 32 | 1 2 | F 5 |
| S 6 | 6 2 | 22 23 | 0s50 | 6 34 | 1 41 | 17 43 | 2 36 | 19 20 | 1 1 | 17 46 | 1 15 | 22 13 | 0 46 | 20 19 | 0 29 | 20 52 | 1 32 | 11 45 | 14 44 | 23 14 | 23 13 | 19 15 | 10 31 | 1 2 | S 6 |
| S 7 | 5 39 | 20 26 | 1 50 | 5 46 | 1 38 | 17 35 | 2 31 | 19 30 | 1 2 | 17 46 | 1 15 | 22 13 | 0 46 | 20 19 | 0 29 | 20 52 | 1 32 | 11 44 | 14 44 | 23 14 | 23 13 | 19 14 | 10 30 | 1 2 | S 7 |
| M 8 | 5 17 | 17 37 | 2 46 | 4 58 | 1 35 | 17 27 | 2 26 | 19 40 | 1 2 | 17 46 | 1 16 | 22 13 | 0 46 | 20 18 | 0 29 | 20 52 | 1 32 | 11 43 | 14 44 | 23 14 | 23 12 | 19 12 | 10 29 | 1 2 | M 8 |
| T 9 | 4 55 | 14 3 | 3 34 | 4 10 | 1 31 | 17 19 | 2 21 | 19 50 | 1 3 | 17 46 | 1 16 | 22 14 | 0 46 | 20 18 | 0 29 | 20 52 | 1 32 | 11 42 | 14 44 | 23 14 | 23 12 | 19 10 | 10 29 | 1 2 | T 9 |
| W10 | 4 32 | 9 54 | 4 14 | 3 21 | 1 27 | 17 10 | 2 16 | 20 0 | 1 3 | 17 46 | 1 16 | 22 14 | 0 45 | 20 17 | 0 29 | 20 53 | 1 32 | 11 41 | 14 43 | 23 14 | 23 12 | 19 8 | 10 28 | 1 2 | W10 |
| T 11 | 4 10 | 5 17 | 4 42 | 2 33 | 1 23 | 17 1 | 2 11 | 20 9 | 1 4 | 17 46 | 1 16 | 22 14 | 0 45 | 20 17 | 0 29 | 20 53 | 1 32 | 11 40 | 14 43 | 23 13 | 23 12 | 19 6 | 10 27 | 1 2 | T 11 |
| F 12 | 3 47 | 0 24 | 4 58 | 1 45 | 1 18 | 16 51 | 2 6 | 20 19 | 1 4 | 17 46 | 1 16 | 22 14 | 0 45 | 20 16 | 0 29 | 20 53 | 1 32 | 11 39 | 14 43 | 23 13 | 23 12 | 19 5 | 10 26 | 1 2 | F 12 |
| S 13 | 3 24 | 4s35 | 4 59 | 0 57 | 1 13 | 16 41 | 2 1 | 20 28 | 1 5 | 17 46 | 1 17 | 22 14 | 0 45 | 20 15 | 0 29 | 20 53 | 1 32 | 11 38 | 14 43 | 23 12 | 23 12 | 19 3 | 10 25 | 1 2 | S 13 |
| S 14 | 3 1 | 9 27 | 4 45 | 0 10 | 1 7 | 16 31 | 1 56 | 20 37 | 1 5 | 17 46 | 1 17 | 22 14 | 0 45 | 20 15 | 0 29 | 20 53 | 1 32 | 11 37 | 14 43 | 23 12 | 23 12 | 19 1 | 10 25 | 1 2 | S 14 |
| M15 | 2 39 | 13 58 | 4 16 | 0s38 | 1 1 | 16 20 | 1 51 | 20 46 | 1 6 | 17 46 | 1 17 | 22 14 | 0 45 | 20 14 | 0 29 | 20 53 | 1 32 | 11 37 | 14 43 | 23 11 | 23 11 | 18 59 | 10 24 | 1 2 | M15 |
| T 16 | 2 16 | 17 52 | 3 33 | 1 25 | 0 55 | 16 8 | 1 46 | 20 55 | 1 6 | 17 45 | 1 17 | 22 15 | 0 45 | 20 14 | 0 29 | 20 53 | 1 32 | 11 36 | 14 43 | 23 11 | 23 11 | 18 57 | 10 23 | 1 1 | T 16 |
| W17 | 1 53 | 20 53 | 2 37 | 2 11 | 0 49 | 15 56 | 1 41 | 21 4 | 1 7 | 17 45 | 1 17 | 22 15 | 0 44 | 20 13 | 0 29 | 20 53 | 1 32 | 11 35 | 14 43 | 23 11 | 23 11 | 18 55 | 10 22 | 1 1 | W17 |
| T 18 | 1 30 | 22 46 | 1 32 | 2 58 | 0 42 | 15 44 | 1 36 | 21 13 | 1 7 | 17 45 | 1 17 | 22 15 | 0 44 | 20 13 | 0 29 | 20 54 | 1 32 | 11 34 | 14 43 | 23 11 | 23 11 | 18 53 | 10 21 | 1 1 | T 18 |
| F 19 | 1 7 | 23 17 | 0 20 | 3 44 | 0 36 | 15 31 | 1 31 | 21 22 | 1 8 | 17 44 | 1 18 | 22 15 | 0 44 | 20 12 | 0 29 | 20 54 | 1 32 | 11 33 | 14 43 | 23 11 | 23 11 | 18 52 | 10 20 | 1 1 | F 19 |
| S 20 | 0 44 | 22 21 | 0n54 | 4 29 | 0 29 | 15 18 | 1 26 | 21 30 | 1 8 | 17 44 | 1 18 | 22 15 | 0 44 | 20 12 | 0 29 | 20 54 | 1 32 | 11 32 | 14 43 | 23 11 | 23 11 | 18 50 | 10 19 | 1 1 | S 20 |
| S 21 | 0 21 | 20 0 | 2 5 | 5 14 | 0 22 | 15 4 | 1 21 | 21 38 | 1 9 | 17 43 | 1 18 | 22 15 | 0 44 | 20 11 | 0 29 | 20 54 | 1 31 | 11 31 | 14 43 | 23 11 | 23 11 | 18 48 | 10 18 | 1 1 | S 21 |
| M22 | 0s 2 | 16 23 | 3 10 | 5 58 | 0 14 | 14 50 | 1 16 | 21 46 | 1 9 | 17 43 | 1 18 | 22 15 | 0 44 | 20 11 | 0 29 | 20 54 | 1 31 | 11 31 | 14 43 | 23 10 | 23 10 | 18 46 | 10 17 | 1 1 | M22 |
| T 23 | 0 25 | 11 46 | 4 2 | 6 42 | 0 7 | 14 36 | 1 11 | 21 54 | 1 10 | 17 42 | 1 18 | 22 15 | 0 43 | 20 10 | 0 29 | 20 54 | 1 31 | 11 30 | 14 43 | 23 10 | 23 10 | 18 44 | 10 16 | 1 1 | T 23 |
| W24 | 0 48 | 6 28 | 4 39 | 7 25 | 0s 1 | 14 21 | 1 7 | 22 2 | 1 10 | 17 42 | 1 18 | 22 15 | 0 43 | 20 10 | 0 29 | 20 54 | 1 31 | 11 29 | 14 43 | 23 10 | 23 10 | 18 42 | 10 16 | 1 1 | W24 |
| T 25 | 1 11 | 0 51 | 4 58 | 8 7 | 0 8 | 14 5 | 1 2 | 22 10 | 1 10 | 17 41 | 1 19 | 22 15 | 0 43 | 20 9 | 0 29 | 20 55 | 1 31 | 11 28 | 14 43 | 23 9 | 23 10 | 18 40 | 10 15 | 1 1 | T 25 |
| F 26 | 1 34 | 4n44 | 4 59 | 8 49 | 0 16 | 13 49 | 0 57 | 22 17 | 1 11 | 17 40 | 1 19 | 22 16 | 0 43 | 20 9 | 0 29 | 20 55 | 1 31 | 11 27 | 14 43 | 23 9 | 23 10 | 18 39 | 10 14 | 1 1 | F 26 |
| S 27 | 1 57 | 9 59 | 4 41 | 9 30 | 0 24 | 13 33 | 0 52 | 22 25 | 1 11 | 17 39 | 1 19 | 22 16 | 0 43 | 20 9 | 0 30 | 20 55 | 1 31 | 11 26 | 14 43 | 23 8 | 23 10 | 18 37 | 10 13 | 1 1 | S 27 |
| S 28 | 2 20 | 14 36 | 4 7 | 10 11 | 0 31 | 13 17 | 0 48 | 22 32 | 1 12 | 17 39 | 1 19 | 22 16 | 0 43 | 20 8 | 0 30 | 20 55 | 1 31 | 11 26 | 14 43 | 23 8 | 23 10 | 18 35 | 10 12 | 1 1 | S 28 |
| M29 | 2 43 | 18 22 | 3 20 | 10 51 | 0 39 | 12 59 | 0 43 | 22 39 | 1 12 | 17 38 | 1 19 | 22 16 | 0 43 | 20 8 | 0 30 | 20 55 | 1 31 | 11 25 | 14 43 | 23 7 | 23 9 | 18 33 | 10 11 | 1 1 | M29 |
| T 30 | 3s 6 | 21n 6 | 2n24 | 11s30 | 0s47 | 12n42 | 0s38 | 22s46 | 1s12 | 17n37 | 1s19 | 22s16 | 0n42 | 20n 7 | 0n30 | 20s55 | 1n31 | 11n24 | 14n43 | 23s 7 | 23s 9 | 18n31 | 10n10 | 1n 1 | T 30 |

Julian Day Number = 2802421.5, Delta T = 50m41s
Ecliptic obliquity = 23°18'53, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°11'15, Lahiri = 37°18'15


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## OCTOBER 2960 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 0 42 22 | 8♎50'12 | 6♊55 | 29♎37 | 25♌33 | 8♐57 | 24°R52 | 9♑40 | 1♌54 | 14♐37 | 5♎24 | 22°R39 | 23♐25 | 24♋31 | 23°R50 | W 1 |
| T 2 | 0 46 18 | 9°48'42 | 19°10 | 1♏ 3 | 26°40 | 9°37 | 24♉48 | 9°42 | 1°56 | 14°38 | 5°26 | 22°D38 | 23°22 | 24°38 | 23♈47 | T 2 |
| F 3 | 0 50 15 | 10°47'13 | 1♋11 | 2°28 | 27°47 | 10°18 | 24°44 | 9°44 | 1°58 | 14°40 | 5°28 | 22♐38 | 23°19 | 24°44 | 23°45 | F 3 |
| S 4 | 0 54 11 | 11°45'47 | 13° 3 | 3°52 | 28°55 | 10°59 | 24°40 | 9°46 | 1°59 | 14°41 | 5°30 | 22°R39 | 23°16 | 24°51 | 23°42 | S 4 |
| S 5 | 0 58 8 | 12°44'23 | 24°52 | 5°15 | 0♍ 2 | 11°39 | 24°36 | 9°48 | 2° 1 | 14°42 | 5°32 | 22°38 | 23°12 | 24°58 | 23°39 | S 5 |
| M 6 | 1 2 5 | 13°43'01 | 6♌43 | 6°37 | 1°10 | 12°20 | 24°32 | 9°51 | 2° 3 | 14°43 | 5°34 | 22°35 | 23° 9 | 25° 4 | 23°37 | M 6 |
| T 7 | 1 6 1 | 14°41'41 | 18°41 | 7°57 | 2°17 | 13° 1 | 24°28 | 9°53 | 2° 4 | 14°45 | 5°37 | 22°30 | 23° 6 | 25°11 | 23°34 | T 7 |
| W 8 | 1 9 58 | 15°40'23 | 0♍51 | 9°17 | 3°25 | 13°42 | 24°23 | 9°55 | 2° 6 | 14°46 | 5°39 | 22°23 | 23° 3 | 25°18 | 23°31 | W 8 |
| T 9 | 1 13 54 | 16°39'07 | 13°14 | 10°34 | 4°34 | 14°23 | 24°18 | 9°58 | 2° 7 | 14°47 | 5°41 | 22°13 | 23° 0 | 25°24 | 23°29 | T 9 |
| F 10 | 1 17 51 | 17°37'53 | 25°55 | 11°51 | 5°42 | 15° 5 | 24°13 | 10° 1 | 2° 9 | 14°49 | 5°43 | 22° 2 | 22°57 | 25°31 | 23°26 | F 10 |
| S 11 | 1 21 47 | 18°36'41 | 8♎52 | 13° 5 | 6°51 | 15°46 | 24° 8 | 10° 3 | 2°10 | 14°50 | 5°45 | 21°51 | 22°53 | 25°38 | 23°23 | S 11 |
| S 12 | 1 25 44 | 19°35'32 | 22° 5 | 14°19 | 7°59 | 16°28 | 24° 3 | 10° 6 | 2°12 | 14°52 | 5°47 | 21°40 | 22°50 | 25°44 | 23°21 | S 12 |
| M13 | 1 29 40 | 20°34'24 | 5♏34 | 15°30 | 9° 8 | 17° 9 | 23°57 | 10° 9 | 2°13 | 14°53 | 5°50 | 21°31 | 22°47 | 25°51 | 23°18 | M13 |
| T 14 | 1 33 37 | 21°33'18 | 19°14 | 16°40 | 10°17 | 17°51 | 23°51 | 10°12 | 2°14 | 14°55 | 5°52 | 21°25 | 22°44 | 25°58 | 23°15 | T 14 |
| W15 | 1 37 33 | 22°32'14 | 3♐ 3 | 17°48 | 11°26 | 18°33 | 23°46 | 10°15 | 2°16 | 14°56 | 5°54 | 21°21 | 22°41 | 26° 4 | 23°12 | W15 |
| T 16 | 1 41 30 | 23°31'12 | 17° 0 | 18°54 | 12°35 | 19°15 | 23°40 | 10°18 | 2°17 | 14°58 | 5°56 | 21°D20 | 22°37 | 26°11 | 23°10 | T 16 |
| F 17 | 1 45 27 | 24°30'11 | 1♑ 2 | 19°58 | 13°45 | 19°57 | 23°34 | 10°21 | 2°18 | 14°59 | 5°58 | 21°20 | 22°34 | 26°18 | 23° 7 | F 17 |
| S 18 | 1 49 23 | 25°29'13 | 15° 7 | 20°59 | 14°54 | 20°39 | 23°27 | 10°25 | 2°19 | 15° 1 | 6° 0 | 21°21 | 22°31 | 26°24 | 23° 4 | S 18 |
| S 19 | 1 53 20 | 26°28'16 | 29°15 | 21°58 | 16° 4 | 21°21 | 23°21 | 10°28 | 2°20 | 15° 2 | 6° 2 | 21°R21 | 22°28 | 26°31 | 23° 2 | S 19 |
| M20 | 1 57 16 | 27°27'20 | 13♒24 | 22°54 | 17°14 | 22° 3 | 23°14 | 10°32 | 2°21 | 15° 4 | 6° 4 | 21°20 | 22°25 | 26°38 | 22°59 | M20 |
| T 21 | 2 1 13 | 28°26'26 | 27°33 | 23°47 | 18°24 | 22°45 | 23° 8 | 10°35 | 2°22 | 15° 6 | 6° 6 | 21°17 | 22°22 | 26°44 | 22°56 | T 21 |
| W22 | 2 5 9 | 29°25'34 | 11♓39 | 24°37 | 19°34 | 23°28 | 23° 1 | 10°39 | 2°23 | 15° 7 | 6° 8 | 21°11 | 22°18 | 26°51 | 22°53 | W22 |
| T 23 | 2 9 6 | 0♏24'44 | 25°39 | 25°23 | 20°44 | 24°10 | 22°54 | 10°43 | 2°24 | 15° 9 | 6°10 | 21° 4 | 22°15 | 26°58 | 22°51 | T 23 |
| F 24 | 2 13 2 | 1°23'55 | 9♈30 | 26° 6 | 21°55 | 24°53 | 22°47 | 10°46 | 2°24 | 15°11 | 6°12 | 20°56 | 22°12 | 27° 4 | 22°48 | F 24 |
| S 25 | 2 16 59 | 2°23'08 | 23° 8 | 26°44 | 23° 5 | 25°36 | 22°40 | 10°50 | 2°25 | 15°13 | 6°14 | 20°47 | 22° 9 | 27°11 | 22°45 | S 25 |
| S 26 | 2 20 56 | 3°22'24 | 6♉30 | 27°17 | 24°16 | 26°18 | 22°33 | 10°54 | 2°26 | 15°14 | 6°17 | 20°40 | 22° 6 | 27°18 | 22°43 | S 26 |
| M27 | 2 24 52 | 4°21'41 | 19°34 | 27°45 | 25°27 | 27° 1 | 22°25 | 10°58 | 2°26 | 15°16 | 6°18 | 20°34 | 22° 3 | 27°24 | 22°40 | M27 |
| T 28 | 2 28 49 | 5°21'00 | 2♊20 | 28° 8 | 26°37 | 27°44 | 22°18 | 11° 2 | 2°27 | 15°18 | 6°20 | 20°30 | 21°59 | 27°31 | 22°37 | T 28 |
| W29 | 2 32 45 | 6°20'22 | 14°48 | 28°25 | 27°48 | 28°27 | 22°10 | 11° 7 | 2°27 | 15°20 | 6°22 | 20°D28 | 21°56 | 27°38 | 22°35 | W29 |
| T 30 | 2 36 42 | 7°19'46 | 27° 0 | 28°35 | 28°59 | 29°10 | 22° 3 | 11°11 | 2°28 | 15°22 | 6°24 | 20°28 | 21°53 | 27°44 | 22°32 | T 30 |
| F 31 | 2 40 38 | 8♏19'12 | 9♋ 0 | 28°R38 | 0♎11 | 29♐53 | 21♉55 | 11♑15 | 2♌28 | 15♐23 | 6♎26 | 20♐30 | 21♐50 | 27♋51 | 22♈29 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 3s29 | 22n43 | 1n23 | 12s 8 | 0s55 | 12n24 | 0s34 | 22s52 | 1s13 | 17n36 | 1s19 | 22s16 | 0n42 | 20n 7 | 0n30 | 20s56 | 1n31 | 11n23 | 14n43 | 23s 7 | 23s 9 | 18n29 | 10n 9 | 1n 1 |
| T 2 | 3 52 | 23 11 | 0 18 | 12 45 | 1 3 | 12 6 | 0 29 | 22 59 | 1 13 | 17 35 | 1 20 | 22 16 | 0 42 | 20 7 | 0 30 | 20 56 | 1 31 | 11 22 | 14 44 | 23 7 | 23 9 | 18 27 | 10 8 | 1 1 |
| F 3 | 4 15 | 22 33 | 0s45 | 13 22 | 1 10 | 11 47 | 0 25 | 23 5 | 1 13 | 17 34 | 1 20 | 22 16 | 0 42 | 20 6 | 0 30 | 20 56 | 1 31 | 11 22 | 14 44 | 23 7 | 23 9 | 18 25 | 10 7 | 1 1 |
| S 4 | 4 38 | 20 55 | 1 46 | 13 58 | 1 18 | 11 28 | 0 21 | 23 11 | 1 14 | 17 33 | 1 20 | 22 16 | 0 42 | 20 6 | 0 30 | 20 56 | 1 31 | 11 21 | 14 44 | 23 7 | 23 9 | 18 23 | 10 6 | 1 0 |
| S 5 | 5 0 | 18 23 | 2 43 | 14 33 | 1 26 | 11 9 | 0 16 | 23 17 | 1 14 | 17 32 | 1 20 | 22 16 | 0 42 | 20 5 | 0 30 | 20 56 | 1 31 | 11 20 | 14 44 | 23 7 | 23 8 | 18 21 | 10 4 | 1 0 |
| M 6 | 5 23 | 15 4 | 3 32 | 15 7 | 1 33 | 10 49 | 0 12 | 23 23 | 1 14 | 17 30 | 1 20 | 22 16 | 0 42 | 20 5 | 0 30 | 20 57 | 1 31 | 11 19 | 14 44 | 23 7 | 23 8 | 18 20 | 10 3 | 1 0 |
| T 7 | 5 46 | 11 8 | 4 13 | 15 41 | 1 41 | 10 29 | 0 8 | 23 29 | 1 15 | 17 29 | 1 20 | 22 16 | 0 41 | 20 5 | 0 30 | 20 57 | 1 31 | 11 19 | 14 44 | 23 6 | 23 8 | 18 18 | 10 2 | 1 0 |
| W 8 | 6 8 | 6 43 | 4 42 | 16 13 | 1 48 | 10 9 | 0 3 | 23 34 | 1 15 | 17 28 | 1 20 | 22 16 | 0 41 | 20 4 | 0 30 | 20 57 | 1 31 | 11 18 | 14 44 | 23 6 | 23 8 | 18 16 | 10 1 | 1 0 |
| T 9 | 6 31 | 1 56 | 5 0 | 16 45 | 1 56 | 9 48 | 0n 1 | 23 39 | 1 15 | 17 27 | 1 21 | 22 16 | 0 41 | 20 4 | 0 30 | 20 57 | 1 31 | 11 17 | 14 44 | 23 5 | 23 8 | 18 14 | 10 0 | 1 0 |
| F 10 | 6 53 | 3s 1 | 5 2 | 17 15 | 2 3 | 9 27 | 0 5 | 23 44 | 1 15 | 17 25 | 1 21 | 22 15 | 0 41 | 20 4 | 0 30 | 20 57 | 1 31 | 11 17 | 14 45 | 23 5 | 23 8 | 18 12 | 9 59 | 1 0 |
| S 11 | 7 15 | 7 57 | 4 50 | 17 45 | 2 10 | 9 6 | 0 9 | 23 49 | 1 16 | 17 24 | 1 21 | 22 15 | 0 41 | 20 4 | 0 30 | 20 58 | 1 30 | 11 16 | 14 45 | 23 4 | 23 7 | 18 10 | 9 58 | 1 0 |
| S 12 | 7 38 | 12 37 | 4 22 | 18 14 | 2 17 | 8 44 | 0 13 | 23 53 | 1 16 | 17 23 | 1 21 | 22 15 | 0 41 | 20 3 | 0 30 | 20 58 | 1 30 | 11 15 | 14 45 | 23 3 | 23 7 | 18 8 | 9 57 | 1 0 |
| M13 | 8 0 | 16 45 | 3 39 | 18 41 | 2 23 | 8 22 | 0 17 | 23 58 | 1 16 | 17 21 | 1 21 | 22 15 | 0 41 | 20 3 | 0 30 | 20 58 | 1 30 | 11 15 | 14 45 | 23 3 | 23 7 | 18 6 | 9 56 | 1 0 |
| T 14 | 8 22 | 20 3 | 2 43 | 19 8 | 2 30 | 7 59 | 0 21 | 24 2 | 1 17 | 17 20 | 1 21 | 22 15 | 0 40 | 20 3 | 0 30 | 20 58 | 1 30 | 11 14 | 14 45 | 23 2 | 23 7 | 18 4 | 9 55 | 1 0 |
| W15 | 8 44 | 22 14 | 1 36 | 19 33 | 2 36 | 7 37 | 0 24 | 24 6 | 1 17 | 17 18 | 1 21 | 22 15 | 0 40 | 20 3 | 0 30 | 20 58 | 1 30 | 11 13 | 14 45 | 23 2 | 23 7 | 18 2 | 9 54 | 1 0 |
| T 16 | 9 5 | 23 4 | 0 23 | 19 57 | 2 42 | 7 14 | 0 28 | 24 10 | 1 17 | 17 17 | 1 21 | 22 15 | 0 40 | 20 2 | 0 30 | 20 59 | 1 30 | 11 13 | 14 46 | 23 2 | 23 7 | 18 0 | 9 53 | 1 0 |
| F 17 | 9 27 | 22 27 | 0n52 | 20 20 | 2 48 | 6 51 | 0 32 | 24 13 | 1 17 | 17 15 | 1 21 | 22 15 | 0 40 | 20 2 | 0 30 | 20 59 | 1 30 | 11 12 | 14 46 | 23 2 | 23 6 | 17 58 | 9 52 | 1 0 |
| S 18 | 9 48 | 20 24 | 2 4 | 20 41 | 2 53 | 6 27 | 0 35 | 24 16 | 1 17 | 17 14 | 1 21 | 22 15 | 0 40 | 20 2 | 0 30 | 20 59 | 1 30 | 11 11 | 14 46 | 23 2 | 23 6 | 17 56 | 9 51 | 0 59 |
| S 19 | 10 10 | 17 7 | 3 9 | 21 2 | 2 58 | 6 4 | 0 39 | 24 20 | 1 18 | 17 12 | 1 21 | 22 15 | 0 40 | 20 2 | 0 30 | 20 59 | 1 30 | 11 11 | 14 46 | 23 2 | 23 6 | 17 54 | 9 49 | 0 59 |
| M20 | 10 31 | 12 50 | 4 2 | 21 21 | 3 3 | 5 40 | 0 42 | 24 22 | 1 18 | 17 10 | 1 22 | 22 14 | 0 40 | 20 2 | 0 30 | 20 59 | 1 30 | 11 10 | 14 46 | 23 2 | 23 6 | 17 52 | 9 48 | 0 59 |
| T 21 | 10 52 | 7 51 | 4 41 | 21 38 | 3 7 | 5 16 | 0 45 | 24 25 | 1 18 | 17 8 | 1 22 | 22 14 | 0 39 | 20 1 | 0 30 | 21 0 | 1 30 | 11 9 | 14 47 | 23 2 | 23 6 | 17 50 | 9 47 | 0 59 |
| W22 | 11 13 | 2 29 | 5 3 | 21 54 | 3 10 | 4 51 | 0 49 | 24 27 | 1 18 | 17 7 | 1 22 | 22 14 | 0 39 | 20 1 | 0 30 | 21 0 | 1 30 | 11 9 | 14 47 | 23 1 | 23 6 | 17 48 | 9 46 | 0 59 |
| T 23 | 11 33 | 2n58 | 5 6 | 22 8 | 3 14 | 4 27 | 0 52 | 24 30 | 1 18 | 17 5 | 1 22 | 22 14 | 0 39 | 20 1 | 0 30 | 21 0 | 1 30 | 11 8 | 14 47 | 23 1 | 23 5 | 17 46 | 9 45 | 0 59 |
| F 24 | 11 54 | 8 12 | 4 51 | 22 21 | 3 16 | 4 2 | 0 55 | 24 32 | 1 19 | 17 3 | 1 22 | 22 14 | 0 39 | 20 1 | 0 30 | 21 0 | 1 30 | 11 8 | 14 47 | 23 0 | 23 5 | 17 45 | 9 44 | 0 59 |
| S 25 | 12 14 | 12 58 | 4 20 | 22 32 | 3 18 | 3 37 | 0 58 | 24 33 | 1 19 | 17 1 | 1 22 | 22 14 | 0 39 | 20 1 | 0 30 | 21 1 | 1 30 | 11 7 | 14 48 | 23 0 | 23 5 | 17 43 | 9 43 | 0 59 |
| S 26 | 12 34 | 17 0 | 3 35 | 22 41 | 3 19 | 3 12 | 1 1 | 24 35 | 1 19 | 17 0 | 1 22 | 22 13 | 0 39 | 20 1 | 0 30 | 21 1 | 1 30 | 11 7 | 14 48 | 22 59 | 23 5 | 17 41 | 9 42 | 0 59 |
| M27 | 12 54 | 20 5 | 2 39 | 22 47 | 3 19 | 2 47 | 1 4 | 24 36 | 1 19 | 16 58 | 1 22 | 22 13 | 0 39 | 20 1 | 0 31 | 21 1 | 1 30 | 11 6 | 14 48 | 22 59 | 23 5 | 17 39 | 9 41 | 0 59 |
| T 28 | 13 14 | 22 6 | 1 37 | 22 52 | 3 19 | 2 21 | 1 7 | 24 37 | 1 19 | 16 56 | 1 22 | 22 13 | 0 39 | 20 0 | 0 31 | 21 1 | 1 30 | 11 6 | 14 48 | 22 59 | 23 4 | 17 37 | 9 40 | 0 59 |
| W29 | 13 34 | 22 58 | 0 31 | 22 54 | 3 17 | 1 56 | 1 9 | 24 38 | 1 19 | 16 54 | 1 22 | 22 13 | 0 38 | 20 0 | 0 31 | 21 1 | 1 30 | 11 5 | 14 49 | 22 58 | 23 4 | 17 35 | 9 39 | 0 59 |
| T 30 | 13 53 | 22 41 | 0s35 | 22 54 | 3 14 | 1 30 | 1 12 | 24 38 | 1 20 | 16 52 | 1 22 | 22 13 | 0 38 | 20 0 | 0 31 | 21 2 | 1 30 | 11 5 | 14 49 | 22 58 | 23 4 | 17 33 | 9 38 | 0 58 |
| F 31 | 14s12 | 21n22 | 1s39 | 22s51 | 3s10 | 1n 4 | 1n14 | 24s39 | 1s20 | 16n50 | 1s22 | 22s12 | 0n38 | 20n 0 | 0n31 | 21s 2 | 1n30 | 11n 4 | 14n49 | 22s59 | 23s 4 | 17n31 | 9n37 | 0n58 |

Julian Day Number = 2802451.5, Delta T = 50m42s
Ecliptic obliquity = 23°18'53, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°11'19, Lahiri = 37°18'20


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# ASTRODIENST EPHEMERIS for the year 2960
# geocentric

## NOVEMBER 2960 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 44 35 | 9♏18'40 | 20♋53 | 28°R33 | 1♎22 | 0♑37 | 21°R47 | 11♑20 | 2♘29 | 15♐25 | 6♎28 | 20♐31 | 21♐47 | 27♋58 | 22°R27 | S 1 |
| S 2 | 2 48 31 | 10°18'10 | 2♌42 | 28♏20 | 2°33 | 1°20 | 21♉40 | 11°24 | 2°29 | 15°27 | 6°30 | 20°33 | 21°43 | 28° 4 | 22♈24 | S 2 |
| M 3 | 2 52 28 | 11°17'43 | 14°34 | 27°59 | 3°45 | 2° 3 | 21°32 | 11°29 | 2°29 | 15°29 | 6°32 | 20°R33 | 21°40 | 28°11 | 22°22 | M 3 |
| T 4 | 2 56 25 | 12°17'18 | 26°33 | 27°29 | 4°57 | 2°47 | 21°24 | 11°34 | 2°29 | 15°31 | 6°34 | 20°32 | 21°37 | 28°18 | 22°19 | T 4 |
| W 5 | 3 0 21 | 13°16'54 | 8♍43 | 26°50 | 6° 8 | 3°31 | 21°16 | 11°38 | 2°29 | 15°33 | 6°36 | 20°29 | 21°34 | 28°24 | 22°17 | W 5 |
| T 6 | 3 4 18 | 14°16'34 | 21°10 | 26° 3 | 7°20 | 4°14 | 21° 8 | 11°43 | 2°30 | 15°35 | 6°38 | 20°24 | 21°31 | 28°31 | 22°14 | T 6 |
| F 7 | 3 8 14 | 15°16'15 | 3♎57 | 25° 7 | 8°32 | 4°58 | 21° 0 | 11°48 | 2°R30 | 15°37 | 6°39 | 20°19 | 21°28 | 28°38 | 22°12 | F 7 |
| S 8 | 3 12 11 | 16°15'58 | 17° 4 | 24° 4 | 9°44 | 5°42 | 20°52 | 11°53 | 2°30 | 15°39 | 6°41 | 20°13 | 21°24 | 28°44 | 22° 9 | S 8 |
| S 9 | 3 16 7 | 17°15'44 | 0♏33 | 22°55 | 10°56 | 6°26 | 20°44 | 11°58 | 2°29 | 15°41 | 6°43 | 20° 8 | 21°21 | 28°51 | 22° 7 | S 9 |
| M10 | 3 20 4 | 18°15'32 | 14°21 | 21°41 | 12° 9 | 7°10 | 20°35 | 12° 3 | 2°29 | 15°43 | 6°45 | 20° 3 | 21°18 | 28°58 | 22° 4 | M10 |
| T 11 | 3 24 0 | 19°15'21 | 28°26 | 20°25 | 13°21 | 7°54 | 20°27 | 12° 8 | 2°29 | 15°45 | 6°46 | 20° 0 | 21°15 | 29° 4 | 22° 2 | T 11 |
| W12 | 3 27 57 | 20°15'13 | 12♐43 | 19° 9 | 14°33 | 8°38 | 20°19 | 12°13 | 2°29 | 15°47 | 6°48 | 19°58 | 21°12 | 29°11 | 22° 0 | W12 |
| T 13 | 3 31 54 | 21°15'06 | 27° 6 | 17°54 | 15°46 | 9°22 | 20°11 | 12°19 | 2°29 | 15°49 | 6°50 | 19°D58 | 21° 9 | 29°18 | 21°57 | T 13 |
| F 14 | 3 35 50 | 22°15'01 | 11♑32 | 16°44 | 16°58 | 10° 7 | 20° 3 | 12°24 | 2°28 | 15°51 | 6°52 | 19°59 | 21° 5 | 29°24 | 21°55 | F 14 |
| S 15 | 3 39 47 | 23°14'58 | 25°55 | 15°40 | 18°11 | 10°51 | 19°55 | 12°29 | 2°28 | 15°54 | 6°53 | 20° 1 | 21° 2 | 29°31 | 21°53 | S 15 |
| S 16 | 3 43 43 | 24°14'56 | 10♒13 | 14°45 | 19°24 | 11°35 | 19°47 | 12°35 | 2°27 | 15°56 | 6°55 | 20° 2 | 20°59 | 29°38 | 21°51 | S 16 |
| M17 | 3 47 40 | 25°14'55 | 24°22 | 14° 0 | 20°37 | 12°20 | 19°39 | 12°40 | 2°27 | 15°58 | 6°56 | 20°R 3 | 20°56 | 29°45 | 21°49 | M17 |
| T 18 | 3 51 36 | 26°14'57 | 8♓22 | 13°25 | 21°49 | 13° 5 | 19°30 | 12°46 | 2°26 | 16° 0 | 6°58 | 20° 2 | 20°53 | 29°51 | 21°46 | T 18 |
| W19 | 3 55 33 | 27°14'59 | 22°12 | 13° 2 | 23° 2 | 13°49 | 19°22 | 12°51 | 2°26 | 16° 2 | 7° 0 | 20° 1 | 20°49 | 29°58 | 21°44 | W19 |
| T 20 | 3 59 29 | 28°15'03 | 5♈49 | 12°50 | 24°15 | 14°34 | 19°15 | 12°57 | 2°25 | 16° 4 | 7° 1 | 19°58 | 20°46 | 0♌ 5 | 21°42 | T 20 |
| F 21 | 4 3 26 | 29°15'09 | 19°14 | 12°D50 | 25°29 | 15°19 | 19° 7 | 13° 3 | 2°24 | 16° 6 | 7° 3 | 19°55 | 20°43 | 0°11 | 21°40 | F 21 |
| S 22 | 4 7 23 | 0♗15'16 | 2♉25 | 13° 1 | 26°42 | 16° 4 | 18°59 | 13° 9 | 2°23 | 16° 9 | 7° 4 | 19°52 | 20°40 | 0°18 | 21°38 | S 22 |
| S 23 | 4 11 19 | 1°15'25 | 15°23 | 13°22 | 27°55 | 16°49 | 18°51 | 13°15 | 2°23 | 16°11 | 7° 6 | 19°49 | 20°37 | 0°25 | 21°36 | S 23 |
| M24 | 4 15 16 | 2°15'36 | 28° 7 | 13°53 | 29° 8 | 17°33 | 18°43 | 13°20 | 2°22 | 16°13 | 7° 7 | 19°47 | 20°34 | 0°31 | 21°34 | M24 |
| T 25 | 4 19 12 | 3°15'48 | 10♊38 | 14°32 | 0♏22 | 18°19 | 18°36 | 13°26 | 2°21 | 16°15 | 7° 8 | 19°46 | 20°30 | 0°38 | 21°33 | T 25 |
| W26 | 4 23 9 | 4°16'02 | 22°56 | 15°19 | 1°35 | 19° 4 | 18°28 | 13°32 | 2°20 | 16°17 | 7°10 | 19°D46 | 20°27 | 0°45 | 21°31 | W26 |
| T 27 | 4 27 5 | 5°16'18 | 5♋ 2 | 16°13 | 2°48 | 19°49 | 18°21 | 13°38 | 2°19 | 16°20 | 7°11 | 19°46 | 20°24 | 0°51 | 21°29 | T 27 |
| F 28 | 4 31 2 | 6°16'36 | 17° 0 | 17°13 | 4° 2 | 20°34 | 18°13 | 13°45 | 2°18 | 16°22 | 7°13 | 19°47 | 20°21 | 0°58 | 21°27 | F 28 |
| S 29 | 4 34 59 | 7°16'55 | 28°51 | 18°18 | 5°16 | 21°19 | 18° 6 | 13°51 | 2°17 | 16°24 | 7°14 | 19°49 | 20°18 | 1° 5 | 21°25 | S 29 |
| S 30 | 4 38 55 | 8♐17'16 | 10♌40 | 19♏28 | 6♏29 | 22♑ 5 | 17♉59 | 13♑57 | 2♘15 | 16♐26 | 7♎15 | 19♐50 | 20♐15 | 1♌11 | 21♈24 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s31 | 19n 6 | 2s38 | 22s44 | 3s 5 | 0n38 | 1n17 | 24s39 | 1s20 | 16n48 | 1s22 | 22s12 | 0n38 | 20n 0 | 0n31 | 21s 2 | 1n30 | 11n 4 | 14n49 | 22s59 | 23s 4 | 17n29 | 9n36 | 0n58 |
| S 2 | 14 50 | 16 3 | 3 29 | 22 35 | 2 58 | 0 12 | 1 19 | 24 38 | 1 20 | 16 46 | 1 22 | 22 12 | 0 38 | 20 0 | 0 31 | 21 2 | 1 30 | 11 3 | 14 50 | 22 59 | 23 3 | 17 27 | 9 35 | 0 58 |
| M 3 | 15 8 | 12 21 | 4 12 | 22 22 | 2 50 | 0s14 | 1 22 | 24 38 | 1 20 | 16 44 | 1 22 | 22 12 | 0 38 | 20 0 | 0 31 | 21 3 | 1 30 | 11 3 | 14 50 | 22 59 | 23 3 | 17 25 | 9 34 | 0 58 |
| T 4 | 15 27 | 8 8 | 4 45 | 22 5 | 2 40 | 0 40 | 1 24 | 24 37 | 1 20 | 16 42 | 1 22 | 22 11 | 0 38 | 20 0 | 0 31 | 21 3 | 1 30 | 11 2 | 14 50 | 22 59 | 23 3 | 17 23 | 9 32 | 0 58 |
| W 5 | 15 45 | 3 32 | 5 5 | 21 45 | 2 28 | 1 7 | 1 26 | 24 36 | 1 20 | 16 40 | 1 22 | 22 11 | 0 38 | 20 0 | 0 31 | 21 3 | 1 30 | 11 2 | 14 51 | 22 58 | 23 3 | 17 21 | 9 31 | 0 58 |
| T 6 | 16 2 | 1s18 | 5 11 | 21 21 | 2 15 | 1 33 | 1 28 | 24 35 | 1 20 | 16 38 | 1 22 | 22 11 | 0 37 | 20 0 | 0 31 | 21 3 | 1 29 | 11 1 | 14 51 | 22 58 | 23 3 | 17 19 | 9 30 | 0 58 |
| F 7 | 16 20 | 6 12 | 5 3 | 20 53 | 2 0 | 2 0 | 1 30 | 24 34 | 1 20 | 16 36 | 1 22 | 22 10 | 0 37 | 20 0 | 0 31 | 21 4 | 1 29 | 11 1 | 14 51 | 22 58 | 23 2 | 17 17 | 9 29 | 0 58 |
| S 8 | 16 37 | 10 57 | 4 38 | 20 22 | 1 43 | 2 26 | 1 32 | 24 32 | 1 20 | 16 34 | 1 22 | 22 10 | 0 37 | 20 0 | 0 31 | 21 4 | 1 29 | 11 1 | 14 52 | 22 57 | 23 2 | 17 15 | 9 28 | 0 58 |
| S 9 | 16 54 | 15 19 | 3 58 | 19 47 | 1 25 | 2 52 | 1 33 | 24 30 | 1 20 | 16 32 | 1 22 | 22 10 | 0 37 | 20 0 | 0 31 | 21 4 | 1 29 | 11 0 | 14 52 | 22 57 | 23 2 | 17 13 | 9 27 | 0 57 |
| M10 | 17 11 | 18 58 | 3 3 | 19 9 | 1 6 | 3 19 | 1 35 | 24 28 | 1 20 | 16 30 | 1 22 | 22 9 | 0 37 | 20 0 | 0 31 | 21 4 | 1 29 | 11 0 | 14 52 | 22 57 | 23 2 | 17 11 | 9 26 | 0 57 |
| T 11 | 17 27 | 21 35 | 1 55 | 18 30 | 0 46 | 3 46 | 1 37 | 24 25 | 1 20 | 16 28 | 1 21 | 22 9 | 0 37 | 20 0 | 0 31 | 21 5 | 1 29 | 11 0 | 14 53 | 22 56 | 23 2 | 17 9 | 9 26 | 0 57 |
| W12 | 17 43 | 22 52 | 0 40 | 17 49 | 0 25 | 4 12 | 1 38 | 24 22 | 1 21 | 16 26 | 1 21 | 22 9 | 0 37 | 20 1 | 0 31 | 21 5 | 1 29 | 10 59 | 14 53 | 22 56 | 23 1 | 17 6 | 9 25 | 0 57 |
| T 13 | 17 59 | 22 38 | 0n39 | 17 9 | 0 4 | 4 38 | 1 39 | 24 19 | 1 21 | 16 23 | 1 21 | 22 8 | 0 37 | 20 1 | 0 31 | 21 5 | 1 29 | 10 59 | 14 54 | 22 56 | 23 1 | 17 4 | 9 24 | 0 57 |
| F 14 | 18 14 | 20 54 | 1 56 | 16 30 | 0n16 | 5 5 | 1 41 | 24 16 | 1 21 | 16 21 | 1 21 | 22 8 | 0 37 | 20 1 | 0 31 | 21 5 | 1 29 | 10 59 | 14 54 | 22 56 | 23 1 | 17 2 | 9 23 | 0 57 |
| S 15 | 18 29 | 17 49 | 3 5 | 15 53 | 0 35 | 5 31 | 1 42 | 24 13 | 1 21 | 16 19 | 1 21 | 22 8 | 0 36 | 20 1 | 0 31 | 21 6 | 1 29 | 10 58 | 14 54 | 22 56 | 23 1 | 17 0 | 9 22 | 0 57 |
| S 16 | 18 44 | 13 42 | 4 2 | 15 20 | 0 53 | 5 58 | 1 43 | 24 9 | 1 21 | 16 17 | 1 21 | 22 7 | 0 36 | 20 1 | 0 31 | 21 6 | 1 29 | 10 58 | 14 55 | 22 57 | 23 1 | 16 58 | 9 21 | 0 57 |
| M17 | 18 59 | 8 52 | 4 44 | 14 50 | 1 10 | 6 24 | 1 44 | 24 5 | 1 21 | 16 15 | 1 21 | 22 7 | 0 36 | 20 1 | 0 31 | 21 6 | 1 29 | 10 58 | 14 55 | 22 57 | 23 0 | 16 56 | 9 20 | 0 57 |
| T 18 | 19 13 | 3 37 | 5 8 | 14 26 | 1 25 | 6 50 | 1 45 | 24 1 | 1 21 | 16 13 | 1 21 | 22 6 | 0 36 | 20 1 | 0 31 | 21 6 | 1 29 | 10 58 | 14 55 | 22 57 | 23 0 | 16 54 | 9 19 | 0 57 |
| W19 | 19 27 | 1n44 | 5 15 | 14 6 | 1 38 | 7 16 | 1 46 | 23 56 | 1 20 | 16 11 | 1 21 | 22 6 | 0 36 | 20 1 | 0 31 | 21 6 | 1 29 | 10 57 | 14 56 | 22 56 | 23 0 | 16 52 | 9 18 | 0 56 |
| T 20 | 19 40 | 6 56 | 5 3 | 13 52 | 1 49 | 7 42 | 1 47 | 23 51 | 1 20 | 16 9 | 1 21 | 22 6 | 0 36 | 20 2 | 0 31 | 21 7 | 1 29 | 10 57 | 14 56 | 22 56 | 23 0 | 16 50 | 9 17 | 0 56 |
| F 21 | 19 53 | 11 44 | 4 35 | 13 43 | 1 59 | 8 8 | 1 47 | 23 46 | 1 20 | 16 7 | 1 20 | 22 5 | 0 36 | 20 2 | 0 31 | 21 7 | 1 29 | 10 57 | 14 57 | 22 56 | 22 59 | 16 48 | 9 16 | 0 56 |
| S 22 | 20 6 | 15 53 | 3 52 | 13 39 | 2 6 | 8 34 | 1 48 | 23 41 | 1 20 | 16 5 | 1 20 | 22 5 | 0 36 | 20 2 | 0 31 | 21 7 | 1 29 | 10 57 | 14 57 | 22 56 | 22 59 | 16 46 | 9 16 | 0 56 |
| S 23 | 20 18 | 19 13 | 2 59 | 13 40 | 2 12 | 8 59 | 1 48 | 23 36 | 1 20 | 16 3 | 1 20 | 22 4 | 0 36 | 20 2 | 0 31 | 21 7 | 1 29 | 10 57 | 14 58 | 22 56 | 22 59 | 16 44 | 9 15 | 0 56 |
| M24 | 20 30 | 21 32 | 1 57 | 13 45 | 2 16 | 9 25 | 1 49 | 23 30 | 1 20 | 16 1 | 1 20 | 22 4 | 0 35 | 20 3 | 0 32 | 21 8 | 1 29 | 10 56 | 14 58 | 22 55 | 22 59 | 16 42 | 9 14 | 0 56 |
| T 25 | 20 42 | 22 45 | 0 50 | 13 54 | 2 19 | 9 50 | 1 49 | 23 24 | 1 20 | 15 59 | 1 20 | 22 3 | 0 35 | 20 3 | 0 32 | 21 8 | 1 29 | 10 56 | 14 58 | 22 55 | 22 59 | 16 40 | 9 13 | 0 56 |
| W26 | 20 53 | 22 50 | 0s18 | 14 7 | 2 20 | 10 15 | 1 49 | 23 17 | 1 20 | 15 57 | 1 20 | 22 3 | 0 35 | 20 3 | 0 32 | 21 8 | 1 29 | 10 56 | 14 59 | 22 55 | 22 58 | 16 38 | 9 12 | 0 56 |
| T 27 | 21 4 | 21 50 | 1 24 | 14 22 | 2 20 | 10 40 | 1 50 | 23 11 | 1 20 | 15 56 | 1 19 | 22 2 | 0 35 | 20 3 | 0 32 | 21 8 | 1 29 | 10 56 | 14 59 | 22 55 | 22 58 | 16 36 | 9 12 | 0 56 |
| F 28 | 21 15 | 19 50 | 2 25 | 14 40 | 2 19 | 11 5 | 1 50 | 23 4 | 1 20 | 15 54 | 1 19 | 22 2 | 0 35 | 20 4 | 0 32 | 21 9 | 1 29 | 10 56 | 15 0 | 22 55 | 22 58 | 16 34 | 9 11 | 0 55 |
| S 29 | 21 25 | 17 1 | 3 20 | 14 59 | 2 17 | 11 29 | 1 50 | 22 57 | 1 20 | 15 52 | 1 19 | 22 1 | 0 35 | 20 4 | 0 32 | 21 9 | 1 29 | 10 56 | 15 0 | 22 56 | 22 58 | 16 32 | 9 10 | 0 55 |
| S 30 | 21s34 | 13n31 | 4s 6 | 15s21 | 2n14 | 11s53 | 1n49 | 22s50 | 1s20 | 15n50 | 1s19 | 22s 1 | 0n35 | 20n 4 | 0n32 | 21s 9 | 1n29 | 10n56 | 15n 1 | 22s56 | 22s57 | 16n30 | 9n 9 | 0n55 |

Julian Day Number = 2802482.5, Delta T = 50m42s
Ecliptic obliquity = 23°18'52, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°11'23, Lahiri = 37°18'24


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# ASTRODIENST EPHEMERIS for the year 2960
# geocentric

## DECEMBER 2960 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 4 42 52 | 9♐17'39 | 22♌31 | 20♏42 | 7♏43 | 22♑50 | 17°R52 | 14♑ 3 | 2°R14 | 16♐29 | 7♎16 | 19♐51 | 20♐11 | 1♌18 | 21°R22 | M 1 |
| T 2 | 4 46 48 | 10°18'04 | 4♍29 | 21°59 | 8°57 | 23°36 | 17♉45 | 14° 9 | 2♌13 | 16°31 | 7°18 | 19°51 | 20° 8 | 1°25 | 21♈21 | T 2 |
| W 3 | 4 50 45 | 11°18'31 | 16°37 | 23°19 | 10°11 | 24°21 | 17°38 | 14°16 | 2°12 | 16°33 | 7°19 | 19°R51 | 20° 5 | 1°31 | 21°19 | W 3 |
| T 4 | 4 54 41 | 12°18'59 | 29° 1 | 24°41 | 11°24 | 25° 7 | 17°31 | 14°22 | 2°10 | 16°35 | 7°20 | 19°51 | 20° 2 | 1°38 | 21°18 | T 4 |
| F 5 | 4 58 38 | 13°19'29 | 11♎46 | 26° 5 | 12°38 | 25°52 | 17°25 | 14°29 | 2° 9 | 16°37 | 7°21 | 19°50 | 19°59 | 1°45 | 21°16 | F 5 |
| S 6 | 5 2 34 | 14°20'01 | 24°53 | 27°31 | 13°52 | 26°38 | 17°18 | 14°35 | 2° 7 | 16°40 | 7°22 | 19°50 | 19°55 | 1°51 | 21°15 | S 6 |
| S 7 | 5 6 31 | 15°20'35 | 8♏25 | 28°59 | 15° 6 | 27°24 | 17°12 | 14°41 | 2° 6 | 16°42 | 7°23 | 19°49 | 19°52 | 1°58 | 21°13 | S 7 |
| M 8 | 5 10 27 | 16°21'10 | 22°23 | 0♐27 | 16°20 | 28°10 | 17° 6 | 14°48 | 2° 4 | 16°44 | 7°24 | 19°49 | 19°49 | 2° 5 | 21°12 | M 8 |
| T 9 | 5 14 24 | 17°21'47 | 6♐43 | 1°57 | 17°35 | 28°55 | 17° 0 | 14°55 | 2° 3 | 16°46 | 7°25 | 19°48 | 19°46 | 2°11 | 21°11 | T 9 |
| W10 | 5 18 21 | 18°22'26 | 21°21 | 3°27 | 18°49 | 29°41 | 16°54 | 15° 1 | 2° 1 | 16°49 | 7°26 | 19°D48 | 19°43 | 2°18 | 21°10 | W10 |
| T 11 | 5 22 17 | 19°23'05 | 6♑11 | 4°58 | 20° 3 | 0♒27 | 16°48 | 15° 8 | 1°59 | 16°51 | 7°27 | 19°R48 | 19°40 | 2°25 | 21° 8 | T 11 |
| F 12 | 5 26 14 | 20°23'46 | 21° 4 | 6°29 | 21°17 | 1°13 | 16°43 | 15°14 | 1°58 | 16°53 | 7°28 | 19°48 | 19°36 | 2°31 | 21° 7 | F 12 |
| S 13 | 5 30 10 | 21°24'28 | 5♒54 | 8° 1 | 22°31 | 1°59 | 16°37 | 15°21 | 1°56 | 16°56 | 7°29 | 19°48 | 19°33 | 2°38 | 21° 6 | S 13 |
| S 14 | 5 34 7 | 22°25'11 | 20°33 | 9°33 | 23°46 | 2°46 | 16°32 | 15°28 | 1°54 | 16°58 | 7°30 | 19°48 | 19°30 | 2°45 | 21° 5 | S 14 |
| M15 | 5 38 3 | 23°25'55 | 4♓56 | 11° 6 | 25° 0 | 3°32 | 16°27 | 15°35 | 1°52 | 17° 0 | 7°31 | 19°48 | 19°27 | 2°52 | 21° 4 | M15 |
| T 16 | 5 42 0 | 24°26'40 | 19° 1 | 12°39 | 26°14 | 4°18 | 16°22 | 15°41 | 1°50 | 17° 2 | 7°32 | 19°D48 | 19°24 | 2°58 | 21° 4 | T 16 |
| W17 | 5 45 57 | 25°27'26 | 2♈45 | 14°12 | 27°29 | 5° 4 | 16°17 | 15°48 | 1°49 | 17° 4 | 7°32 | 19°48 | 19°21 | 3° 5 | 21° 3 | W17 |
| T 18 | 5 49 53 | 26°28'12 | 16°10 | 15°45 | 28°43 | 5°50 | 16°13 | 15°55 | 1°47 | 17° 7 | 7°33 | 19°48 | 19°17 | 3°12 | 21° 2 | T 18 |
| F 19 | 5 53 50 | 27°29'00 | 29°17 | 17°18 | 29°58 | 6°37 | 16° 9 | 16° 2 | 1°45 | 17° 9 | 7°34 | 19°49 | 19°14 | 3°18 | 21° 1 | F 19 |
| S 20 | 5 57 46 | 28°29'48 | 12♉ 8 | 18°51 | 1♐12 | 7°23 | 16° 4 | 16° 9 | 1°43 | 17°11 | 7°35 | 19°49 | 19°11 | 3°25 | 21° 1 | S 20 |
| S 21 | 6 1 43 | 29°30'37 | 24°45 | 20°24 | 2°27 | 8°10 | 16° 0 | 16°16 | 1°41 | 17°13 | 7°35 | 19°50 | 19° 8 | 3°32 | 21° 0 | S 21 |
| M22 | 6 5 39 | 0♑31'28 | 7♊ 9 | 21°58 | 3°41 | 8°56 | 15°57 | 16°23 | 1°38 | 17°16 | 7°36 | 19°51 | 19° 5 | 3°38 | 20°59 | M22 |
| T 23 | 6 9 36 | 1°32'19 | 19°23 | 23°31 | 4°56 | 9°43 | 15°53 | 16°30 | 1°36 | 17°18 | 7°36 | 19°R51 | 19° 1 | 3°45 | 20°59 | T 23 |
| W24 | 6 13 32 | 2°33'11 | 1♋29 | 25° 4 | 6°11 | 10°29 | 15°50 | 16°37 | 1°34 | 17°20 | 7°37 | 19°51 | 18°58 | 3°52 | 20°58 | W24 |
| T 25 | 6 17 29 | 3°34'03 | 13°28 | 26°38 | 7°25 | 11°16 | 15°47 | 16°44 | 1°32 | 17°22 | 7°37 | 19°50 | 18°55 | 3°58 | 20°58 | T 25 |
| F 26 | 6 21 26 | 4°34'57 | 25°21 | 28°11 | 8°40 | 12° 2 | 15°44 | 16°51 | 1°30 | 17°24 | 7°38 | 19°48 | 18°52 | 4° 5 | 20°58 | F 26 |
| S 27 | 6 25 22 | 5°35'52 | 7♌12 | 29°45 | 9°55 | 12°49 | 15°41 | 16°58 | 1°28 | 17°27 | 7°38 | 19°46 | 18°49 | 4°12 | 20°57 | S 27 |
| S 28 | 6 29 19 | 6°36'48 | 19° 1 | 1♑19 | 11° 9 | 13°36 | 15°38 | 17° 5 | 1°25 | 17°29 | 7°39 | 19°43 | 18°46 | 4°18 | 20°57 | S 28 |
| M29 | 6 33 15 | 7°37'44 | 0♍53 | 2°53 | 12°24 | 14°22 | 15°36 | 17°12 | 1°23 | 17°31 | 7°39 | 19°40 | 18°42 | 4°25 | 20°57 | M29 |
| T 30 | 6 37 12 | 8°38'42 | 12°50 | 4°26 | 13°39 | 15° 9 | 15°34 | 17°19 | 1°21 | 17°33 | 7°39 | 19°38 | 18°39 | 4°32 | 20°57 | T 30 |
| W31 | 6 41 8 | 9♑39'40 | 24♍57 | 6♑ 0 | 14♐54 | 15♒56 | 15♉32 | 17♑26 | 1♌18 | 17♐35 | 7♎40 | 19♐36 | 18♐36 | 4♌38 | 20♈57 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21s44 | 9n29 | 4s42 | 15s44 | 2n11 | 12s17 | 1n49 | 22s42 | 1s20 | 15n48 | 1s19 | 22s 0 | 0n35 | 20n 4 | 0n32 | 21s 9 | 1n29 | 10n56 | 15n 1 | 22s56 | 22s57 | 16n27 | 9n 9 | 0n55 |
| T 2 | 21 53 | 5 4 | 5 6 | 16 8 | 2 7 | 12 41 | 1 49 | 22 34 | 1 19 | 15 47 | 1 19 | 22 0 | 0 35 | 20 5 | 0 32 | 21 10 | 1 29 | 10 56 | 15 2 | 22 56 | 22 57 | 16 25 | 9 8 | 0 55 |
| W 3 | 22 1 | 0 23 | 5 17 | 16 32 | 2 2 | 13 4 | 1 49 | 22 26 | 1 19 | 15 45 | 1 18 | 21 59 | 0 34 | 20 5 | 0 32 | 21 10 | 1 29 | 10 56 | 15 2 | 22 56 | 22 57 | 16 23 | 9 7 | 0 55 |
| T 4 | 22 9 | 4s25 | 5 13 | 16 57 | 1 57 | 13 27 | 1 48 | 22 18 | 1 19 | 15 43 | 1 18 | 21 58 | 0 34 | 20 5 | 0 32 | 21 10 | 1 29 | 10 56 | 15 3 | 22 56 | 22 57 | 16 21 | 9 7 | 0 55 |
| F 5 | 22 17 | 9 9 | 4 55 | 17 23 | 1 51 | 13 50 | 1 48 | 22 9 | 1 19 | 15 42 | 1 18 | 21 58 | 0 34 | 20 6 | 0 32 | 21 10 | 1 29 | 10 56 | 15 3 | 22 56 | 22 56 | 16 19 | 9 6 | 0 55 |
| S 6 | 22 24 | 13 37 | 4 20 | 17 48 | 1 45 | 14 13 | 1 47 | 22 1 | 1 19 | 15 40 | 1 18 | 21 57 | 0 34 | 20 6 | 0 32 | 21 10 | 1 29 | 10 56 | 15 4 | 22 56 | 22 56 | 16 17 | 9 5 | 0 54 |
| S 7 | 22 31 | 17 33 | 3 30 | 18 13 | 1 39 | 14 35 | 1 46 | 21 52 | 1 19 | 15 38 | 1 17 | 21 57 | 0 34 | 20 6 | 0 32 | 21 11 | 1 29 | 10 56 | 15 4 | 22 56 | 22 56 | 16 15 | 9 5 | 0 54 |
| M 8 | 22 37 | 20 38 | 2 27 | 18 38 | 1 32 | 14 57 | 1 46 | 21 42 | 1 19 | 15 37 | 1 17 | 21 56 | 0 34 | 20 7 | 0 32 | 21 11 | 1 29 | 10 56 | 15 5 | 22 56 | 22 56 | 16 13 | 9 4 | 0 54 |
| T 9 | 22 43 | 22 30 | 1 12 | 19 3 | 1 25 | 15 18 | 1 45 | 21 33 | 1 18 | 15 35 | 1 17 | 21 55 | 0 34 | 20 7 | 0 32 | 21 11 | 1 29 | 10 56 | 15 5 | 22 55 | 22 55 | 16 11 | 9 3 | 0 54 |
| W10 | 22 49 | 22 53 | 0n 9 | 19 27 | 1 18 | 15 40 | 1 44 | 21 23 | 1 18 | 15 34 | 1 17 | 21 55 | 0 34 | 20 8 | 0 32 | 21 11 | 1 29 | 10 56 | 15 6 | 22 55 | 22 55 | 16 9 | 9 3 | 0 54 |
| T 11 | 22 54 | 21 41 | 1 30 | 19 51 | 1 11 | 16 0 | 1 43 | 21 13 | 1 18 | 15 33 | 1 17 | 21 54 | 0 34 | 20 8 | 0 32 | 21 12 | 1 29 | 10 56 | 15 6 | 22 55 | 22 55 | 16 7 | 9 2 | 0 54 |
| F 12 | 22 58 | 18 57 | 2 45 | 20 13 | 1 4 | 16 21 | 1 42 | 21 3 | 1 18 | 15 31 | 1 16 | 21 53 | 0 34 | 20 8 | 0 32 | 21 12 | 1 29 | 10 56 | 15 7 | 22 55 | 22 55 | 16 4 | 9 2 | 0 54 |
| S 13 | 23 2 | 15 0 | 3 49 | 20 36 | 0 57 | 16 41 | 1 41 | 20 52 | 1 18 | 15 30 | 1 16 | 21 53 | 0 34 | 20 9 | 0 32 | 21 12 | 1 29 | 10 56 | 15 7 | 22 55 | 22 54 | 16 2 | 9 1 | 0 54 |
| S 14 | 23 6 | 10 11 | 4 37 | 20 57 | 0 50 | 17 0 | 1 40 | 20 42 | 1 17 | 15 29 | 1 16 | 21 52 | 0 33 | 20 9 | 0 32 | 21 12 | 1 29 | 10 56 | 15 8 | 22 55 | 22 54 | 16 0 | 9 1 | 0 54 |
| M15 | 23 9 | 4 53 | 5 7 | 21 17 | 0 43 | 17 19 | 1 39 | 20 31 | 1 17 | 15 28 | 1 16 | 21 51 | 0 33 | 20 10 | 0 32 | 21 12 | 1 29 | 10 56 | 15 8 | 22 55 | 22 54 | 15 58 | 9 0 | 0 53 |
| T 16 | 23 12 | 0n33 | 5 18 | 21 37 | 0 35 | 17 38 | 1 37 | 20 20 | 1 17 | 15 27 | 1 15 | 21 51 | 0 33 | 20 10 | 0 32 | 21 13 | 1 29 | 10 57 | 15 9 | 22 55 | 22 54 | 15 56 | 9 0 | 0 53 |
| W17 | 23 14 | 5 50 | 5 10 | 21 55 | 0 28 | 17 56 | 1 36 | 20 8 | 1 17 | 15 25 | 1 15 | 21 50 | 0 33 | 20 11 | 0 32 | 21 13 | 1 29 | 10 57 | 15 9 | 22 55 | 22 53 | 15 54 | 9 0 | 0 53 |
| T 18 | 23 16 | 10 43 | 4 45 | 22 13 | 0 21 | 18 14 | 1 34 | 19 57 | 1 16 | 15 24 | 1 15 | 21 49 | 0 33 | 20 11 | 0 32 | 21 13 | 1 29 | 10 57 | 15 10 | 22 55 | 22 53 | 15 52 | 8 59 | 0 53 |
| F 19 | 23 17 | 14 59 | 4 5 | 22 29 | 0 13 | 18 31 | 1 33 | 19 45 | 1 16 | 15 23 | 1 15 | 21 49 | 0 33 | 20 12 | 0 32 | 21 13 | 1 29 | 10 57 | 15 10 | 22 56 | 22 53 | 15 50 | 8 59 | 0 53 |
| S 20 | 23 18 | 18 29 | 3 14 | 22 45 | 0 6 | 18 48 | 1 31 | 19 33 | 1 16 | 15 23 | 1 14 | 21 48 | 0 33 | 20 12 | 0 32 | 21 13 | 1 29 | 10 57 | 15 11 | 22 56 | 22 53 | 15 47 | 8 58 | 0 53 |
| S 21 | 23 19 | 21 2 | 2 15 | 22 59 | 0s 1 | 19 4 | 1 30 | 19 21 | 1 16 | 15 22 | 1 14 | 21 47 | 0 33 | 20 12 | 0 32 | 21 14 | 1 29 | 10 58 | 15 11 | 22 56 | 22 52 | 15 45 | 8 58 | 0 53 |
| M22 | 23 19 | 22 32 | 1 10 | 23 12 | 0 8 | 19 20 | 1 28 | 19 9 | 1 15 | 15 21 | 1 14 | 21 46 | 0 33 | 20 13 | 0 32 | 21 14 | 1 29 | 10 58 | 15 12 | 22 56 | 22 52 | 15 43 | 8 58 | 0 53 |
| T 23 | 23 18 | 22 56 | 0 3 | 23 24 | 0 15 | 19 36 | 1 26 | 18 56 | 1 15 | 15 20 | 1 13 | 21 46 | 0 33 | 20 13 | 0 32 | 21 14 | 1 29 | 10 58 | 15 12 | 22 56 | 22 52 | 15 41 | 8 57 | 0 52 |
| W24 | 23 17 | 22 14 | 1s 4 | 23 35 | 0 21 | 19 50 | 1 25 | 18 43 | 1 15 | 15 19 | 1 13 | 21 45 | 0 33 | 20 14 | 0 32 | 21 14 | 1 29 | 10 58 | 15 13 | 22 56 | 22 52 | 15 39 | 8 57 | 0 52 |
| T 25 | 23 16 | 20 32 | 2 7 | 23 44 | 0 28 | 20 4 | 1 23 | 18 30 | 1 15 | 15 19 | 1 13 | 21 44 | 0 33 | 20 14 | 0 32 | 21 14 | 1 29 | 10 59 | 15 13 | 22 56 | 22 51 | 15 37 | 8 57 | 0 52 |
| F 26 | 23 14 | 17 56 | 3 4 | 23 53 | 0 35 | 20 18 | 1 21 | 18 17 | 1 14 | 15 18 | 1 13 | 21 43 | 0 32 | 20 15 | 0 32 | 21 15 | 1 29 | 10 59 | 15 14 | 22 55 | 22 51 | 15 35 | 8 57 | 0 52 |
| S 27 | 23 12 | 14 37 | 3 53 | 24 0 | 0 41 | 20 31 | 1 19 | 18 4 | 1 14 | 15 18 | 1 12 | 21 43 | 0 32 | 20 15 | 0 32 | 21 15 | 1 29 | 10 59 | 15 14 | 22 55 | 22 51 | 15 33 | 8 56 | 0 52 |
| S 28 | 23 9 | 10 44 | 4 32 | 24 6 | 0 47 | 20 44 | 1 17 | 17 50 | 1 14 | 15 17 | 1 12 | 21 42 | 0 32 | 20 16 | 0 32 | 21 15 | 1 29 | 11 0 | 15 15 | 22 55 | 22 50 | 15 30 | 8 56 | 0 52 |
| M29 | 23 6 | 6 26 | 4 59 | 24 10 | 0 53 | 20 56 | 1 15 | 17 36 | 1 13 | 15 17 | 1 12 | 21 41 | 0 32 | 20 17 | 0 32 | 21 15 | 1 29 | 11 0 | 15 15 | 22 55 | 22 50 | 15 28 | 8 56 | 0 52 |
| T 30 | 23 2 | 1 53 | 5 13 | 24 14 | 0 59 | 21 7 | 1 13 | 17 22 | 1 13 | 15 16 | 1 11 | 21 40 | 0 32 | 20 17 | 0 32 | 21 15 | 1 29 | 11 0 | 15 16 | 22 55 | 22 50 | 15 26 | 8 56 | 0 52 |
| W31 | 22s58 | 2s49 | 5s14 | 24s16 | 1s 5 | 21s18 | 1n11 | 17s 8 | 1s13 | 15n16 | 1s11 | 21s39 | 0n32 | 20n18 | 0n33 | 21s16 | 1n29 | 11n 1 | 15n17 | 22s55 | 22s50 | 15n24 | 8n56 | 0n51 |

Julian Day Number = 2802512.5, Delta T = 50m43s
Ecliptic obliquity = 23°18'51, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°11'28, Lahiri = 37°18'28


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# ASTRODIENST EPHEMERIS for the year 2961
# geocentric

## JANUARY 2961 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 45 5 | 10♑40'40 | 7♎17 | 7♑35 | 16♐ 9 | 16♒43 | 15°R30 | 17♑33 | 1°R16 | 17♐37 | 7♎40 | 19°D35 | 18♐33 | 4♌45 | 20°D57 | T 1 |
| F 2 | 6 49 1 | 11°41'40 | 19°55 | 9° 9 | 17°23 | 17°29 | 15♉28 | 17°40 | 1♌14 | 17°39 | 7°40 | 19♐35 | 18°30 | 4°52 | 20♈57 | F 2 |
| S 3 | 6 52 58 | 12°42'42 | 2♏54 | 10°43 | 18°38 | 18°16 | 15°27 | 17°47 | 1°11 | 17°41 | 7°41 | 19°37 | 18°27 | 4°59 | 20°57 | S 3 |
| S 4 | 6 56 55 | 13°43'44 | 16°19 | 12°18 | 19°53 | 19° 3 | 15°26 | 17°54 | 1° 9 | 17°43 | 7°41 | 19°38 | 18°23 | 5° 5 | 20°57 | S 4 |
| M 5 | 7 0 51 | 14°44'47 | 0♐12 | 13°53 | 21° 8 | 19°50 | 15°25 | 18° 1 | 1° 6 | 17°46 | 7°41 | 19°40 | 18°20 | 5°12 | 20°57 | M 5 |
| T 6 | 7 4 48 | 15°45'51 | 14°32 | 15°28 | 22°23 | 20°37 | 15°24 | 18° 8 | 1° 4 | 17°48 | 7°41 | 19°R41 | 18°17 | 5°19 | 20°57 | T 6 |
| W 7 | 7 8 44 | 16°46'56 | 29°16 | 17° 3 | 23°38 | 21°24 | 15°24 | 18°15 | 1° 1 | 17°50 | 7°41 | 19°40 | 18°14 | 5°25 | 20°58 | W 7 |
| T 8 | 7 12 41 | 17°48'01 | 14♑18 | 18°38 | 24°53 | 22°11 | 15°23 | 18°23 | 0°59 | 17°52 | 7°41 | 19°39 | 18°11 | 5°32 | 20°58 | T 8 |
| F 9 | 7 16 37 | 18°49'07 | 29°31 | 20°14 | 26° 8 | 22°58 | 15°D23 | 18°30 | 0°56 | 17°54 | 7°R41 | 19°36 | 18° 7 | 5°39 | 20°59 | F 9 |
| S 10 | 7 20 34 | 19°50'13 | 14♒44 | 21°50 | 27°23 | 23°45 | 15°24 | 18°37 | 0°54 | 17°56 | 7°41 | 19°31 | 18° 4 | 5°45 | 20°59 | S 10 |
| S 11 | 7 24 31 | 20°51'19 | 29°46 | 23°26 | 28°38 | 24°32 | 15°24 | 18°44 | 0°51 | 17°58 | 7°41 | 19°27 | 18° 1 | 5°52 | 21° 0 | S 11 |
| M12 | 7 28 27 | 21°52'25 | 14♓30 | 25° 2 | 29°53 | 25°19 | 15°24 | 18°51 | 0°49 | 18° 0 | 7°41 | 19°22 | 17°58 | 5°59 | 21° 0 | M12 |
| T 13 | 7 32 24 | 22°53'31 | 28°49 | 26°39 | 1♑ 8 | 26° 7 | 15°25 | 18°58 | 0°46 | 18° 2 | 7°41 | 19°19 | 17°55 | 6° 5 | 21° 1 | T 13 |
| W14 | 7 36 20 | 23°54'37 | 12♈41 | 28°16 | 2°23 | 26°54 | 15°26 | 19° 5 | 0°44 | 18° 3 | 7°41 | 19°17 | 17°52 | 6°12 | 21° 2 | W14 |
| T 15 | 7 40 17 | 24°55'43 | 26° 7 | 29°53 | 3°38 | 27°41 | 15°27 | 19°12 | 0°41 | 18° 5 | 7°40 | 19°D16 | 17°48 | 6°19 | 21° 2 | T 15 |
| F 16 | 7 44 13 | 25°56'49 | 9♉ 8 | 1♒31 | 4°53 | 28°28 | 15°29 | 19°20 | 0°39 | 18° 7 | 7°40 | 19°17 | 17°45 | 6°25 | 21° 3 | F 16 |
| S 17 | 7 48 10 | 26°57'55 | 21°49 | 3° 8 | 6° 8 | 29°15 | 15°30 | 19°27 | 0°36 | 18° 9 | 7°40 | 19°18 | 17°42 | 6°32 | 21° 4 | S 17 |
| S 18 | 7 52 6 | 27°59'00 | 4♊13 | 4°46 | 7°23 | 0♓ 2 | 15°32 | 19°34 | 0°33 | 18°11 | 7°40 | 19°20 | 17°39 | 6°39 | 21° 5 | S 18 |
| M19 | 7 56 3 | 29° 0'06 | 16°24 | 6°25 | 8°38 | 0°50 | 15°34 | 19°41 | 0°31 | 18°13 | 7°39 | 19°R21 | 17°36 | 6°46 | 21° 6 | M19 |
| T 20 | 8 0 0 | 0♒ 1'11 | 28°25 | 8° 3 | 9°53 | 1°37 | 15°36 | 19°48 | 0°28 | 18°15 | 7°39 | 19°20 | 17°33 | 6°52 | 21° 7 | T 20 |
| W21 | 8 3 56 | 1° 2'16 | 10♋21 | 9°42 | 11° 8 | 2°24 | 15°39 | 19°55 | 0°26 | 18°16 | 7°39 | 19°18 | 17°29 | 6°59 | 21° 8 | W21 |
| T 22 | 8 7 53 | 2° 3'21 | 22°13 | 11°21 | 12°24 | 3°11 | 15°41 | 20° 2 | 0°23 | 18°18 | 7°38 | 19°14 | 17°26 | 7° 6 | 21° 9 | T 22 |
| F 23 | 8 11 49 | 3° 4'26 | 4♌ 4 | 13° 0 | 13°39 | 3°59 | 15°44 | 20° 9 | 0°20 | 18°20 | 7°38 | 19° 7 | 17°23 | 7°12 | 21°10 | F 23 |
| S 24 | 8 15 46 | 4° 5'30 | 15°54 | 14°39 | 14°54 | 4°46 | 15°47 | 20°16 | 0°18 | 18°22 | 7°37 | 18°59 | 17°20 | 7°19 | 21°12 | S 24 |
| S 25 | 8 19 42 | 5° 6'35 | 27°47 | 16°18 | 16° 9 | 5°33 | 15°50 | 20°23 | 0°15 | 18°23 | 7°37 | 18°49 | 17°17 | 7°26 | 21°13 | S 25 |
| M26 | 8 23 39 | 6° 7'39 | 9♍43 | 17°57 | 17°24 | 6°20 | 15°54 | 20°30 | 0°13 | 18°25 | 7°36 | 18°40 | 17°13 | 7°32 | 21°14 | M26 |
| T 27 | 8 27 35 | 7° 8'43 | 21°45 | 19°36 | 18°39 | 7° 8 | 15°57 | 20°37 | 0°10 | 18°27 | 7°36 | 18°31 | 17°10 | 7°39 | 21°16 | T 27 |
| W28 | 8 31 32 | 8° 9'47 | 3♎54 | 21°14 | 19°54 | 7°55 | 16° 1 | 20°44 | 0° 7 | 18°28 | 7°35 | 18°24 | 17° 7 | 7°46 | 21°17 | W28 |
| T 29 | 8 35 29 | 9°10'52 | 16°15 | 22°52 | 21°10 | 8°42 | 16° 5 | 20°51 | 0° 5 | 18°30 | 7°34 | 18°19 | 17° 4 | 7°52 | 21°19 | T 29 |
| F 30 | 8 39 25 | 10°11'55 | 28°49 | 24°30 | 22°25 | 9°30 | 16° 9 | 20°57 | 0° 2 | 18°31 | 7°34 | 18°16 | 17° 1 | 7°59 | 21°20 | F 30 |
| S 31 | 8 43 22 | 11♒12'59 | 11♏42 | 26♒ 6 | 23♑40 | 10♓17 | 16♉13 | 21♑ 4 | 29♋59 | 18♐33 | 7♎33 | 18°D15 | 16♐58 | 8♌ 6 | 21♈22 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s53 | 7s29 | 5s 1 | 24s17 | 1s11 | 21s28 | 1n 8 | 16s54 | 1s12 | 15n16 | 1s11 | 21s38 | 0n32 | 20n18 | 0n33 | 21s16 | 1n29 | 11n 1 | 15n17 | 22s54 | 22s49 | 15n22 | 8n56 | 0n51 |
| F 2 | 22 48 | 11 57 | 4 32 | 24 16 | 1 16 | 21 37 | 1 6 | 16 39 | 1 12 | 15 16 | 1 11 | 21 38 | 0 32 | 20 19 | 0 33 | 21 16 | 1 29 | 11 2 | 15 18 | 22 55 | 22 49 | 15 20 | 8 56 | 0 51 |
| S 3 | 22 43 | 16 1 | 3 50 | 24 14 | 1 21 | 21 46 | 1 4 | 16 24 | 1 12 | 15 16 | 1 10 | 21 37 | 0 32 | 20 19 | 0 33 | 21 16 | 1 29 | 11 2 | 15 18 | 22 55 | 22 49 | 15 17 | 8 55 | 0 51 |
| S 4 | 22 37 | 19 24 | 2 53 | 24 11 | 1 26 | 21 54 | 1 2 | 16 10 | 1 11 | 15 16 | 1 10 | 21 36 | 0 32 | 20 20 | 0 33 | 21 16 | 1 29 | 11 2 | 15 19 | 22 55 | 22 49 | 15 15 | 8 55 | 0 51 |
| M 5 | 22 30 | 21 48 | 1 45 | 24 6 | 1 31 | 22 2 | 0 59 | 15 55 | 1 11 | 15 16 | 1 10 | 21 35 | 0 32 | 20 20 | 0 33 | 21 16 | 1 29 | 11 3 | 15 19 | 22 55 | 22 48 | 15 13 | 8 55 | 0 51 |
| T 6 | 22 23 | 22 53 | 0 28 | 24 1 | 1 36 | 22 9 | 0 57 | 15 39 | 1 10 | 15 16 | 1 9 | 21 34 | 0 32 | 20 21 | 0 33 | 21 17 | 1 29 | 11 3 | 15 20 | 22 55 | 22 48 | 15 11 | 8 55 | 0 51 |
| W 7 | 22 16 | 22 26 | 0n52 | 23 53 | 1 40 | 22 15 | 0 55 | 15 24 | 1 10 | 15 16 | 1 9 | 21 33 | 0 32 | 20 21 | 0 33 | 21 17 | 1 29 | 11 4 | 15 20 | 22 55 | 22 48 | 15 9 | 8 55 | 0 51 |
| T 8 | 22 8 | 20 23 | 2 11 | 23 45 | 1 44 | 22 21 | 0 52 | 15 8 | 1 10 | 15 16 | 1 9 | 21 32 | 0 31 | 20 22 | 0 33 | 21 17 | 1 29 | 11 4 | 15 21 | 22 55 | 22 47 | 15 7 | 8 55 | 0 51 |
| F 9 | 22 0 | 16 52 | 3 21 | 23 35 | 1 48 | 22 26 | 0 50 | 14 53 | 1 9 | 15 16 | 1 9 | 21 32 | 0 31 | 20 23 | 0 33 | 21 17 | 1 29 | 11 5 | 15 21 | 22 55 | 22 47 | 15 4 | 8 55 | 0 50 |
| S 10 | 21 51 | 12 14 | 4 17 | 23 23 | 1 51 | 22 30 | 0 47 | 14 37 | 1 9 | 15 17 | 1 8 | 21 31 | 0 31 | 20 23 | 0 33 | 21 17 | 1 29 | 11 5 | 15 22 | 22 54 | 22 47 | 15 2 | 8 56 | 0 50 |
| S 11 | 21 42 | 6 53 | 4 54 | 23 11 | 1 55 | 22 33 | 0 45 | 14 21 | 1 8 | 15 17 | 1 8 | 21 30 | 0 31 | 20 24 | 0 33 | 21 17 | 1 29 | 11 6 | 15 22 | 22 54 | 22 47 | 15 0 | 8 56 | 0 50 |
| M12 | 21 33 | 1 17 | 5 11 | 22 57 | 1 58 | 22 36 | 0 42 | 14 5 | 1 8 | 15 17 | 1 8 | 21 29 | 0 31 | 20 24 | 0 33 | 21 18 | 1 29 | 11 6 | 15 23 | 22 53 | 22 46 | 14 58 | 8 56 | 0 50 |
| T 13 | 21 23 | 4n15 | 5 8 | 22 41 | 2 0 | 22 39 | 0 40 | 13 49 | 1 8 | 15 18 | 1 7 | 21 28 | 0 31 | 20 25 | 0 33 | 21 18 | 1 29 | 11 7 | 15 24 | 22 53 | 22 46 | 14 56 | 8 56 | 0 50 |
| W14 | 21 13 | 9 24 | 4 47 | 22 24 | 2 3 | 22 40 | 0 37 | 13 32 | 1 7 | 15 18 | 1 7 | 21 27 | 0 31 | 20 25 | 0 33 | 21 18 | 1 29 | 11 7 | 15 24 | 22 53 | 22 46 | 14 54 | 8 56 | 0 50 |
| T 15 | 21 2 | 13 55 | 4 10 | 22 6 | 2 5 | 22 41 | 0 35 | 13 16 | 1 7 | 15 19 | 1 7 | 21 26 | 0 31 | 20 26 | 0 33 | 21 18 | 1 29 | 11 8 | 15 25 | 22 53 | 22 45 | 14 51 | 8 56 | 0 50 |
| F 16 | 20 51 | 17 39 | 3 22 | 21 46 | 2 6 | 22 41 | 0 32 | 12 59 | 1 6 | 15 20 | 1 6 | 21 25 | 0 31 | 20 26 | 0 33 | 21 18 | 1 29 | 11 9 | 15 25 | 22 53 | 22 45 | 14 49 | 8 56 | 0 50 |
| S 17 | 20 39 | 20 27 | 2 24 | 21 25 | 2 8 | 22 41 | 0 30 | 12 42 | 1 6 | 15 21 | 1 6 | 21 24 | 0 31 | 20 27 | 0 33 | 21 18 | 1 29 | 11 9 | 15 26 | 22 53 | 22 45 | 14 47 | 8 57 | 0 49 |
| S 18 | 20 27 | 22 13 | 1 22 | 21 3 | 2 8 | 22 40 | 0 27 | 12 25 | 1 5 | 15 21 | 1 6 | 21 23 | 0 31 | 20 28 | 0 33 | 21 18 | 1 29 | 11 10 | 15 26 | 22 53 | 22 45 | 14 45 | 8 57 | 0 49 |
| M19 | 20 15 | 22 53 | 0 16 | 20 39 | 2 9 | 22 38 | 0 24 | 12 8 | 1 5 | 15 22 | 1 6 | 21 22 | 0 31 | 20 28 | 0 33 | 21 19 | 1 29 | 11 10 | 15 27 | 22 53 | 22 44 | 14 43 | 8 57 | 0 49 |
| T 20 | 20 2 | 22 29 | 0s49 | 20 14 | 2 9 | 22 35 | 0 22 | 11 51 | 1 5 | 15 23 | 1 5 | 21 21 | 0 31 | 20 29 | 0 33 | 21 19 | 1 30 | 11 11 | 15 27 | 22 53 | 22 44 | 14 40 | 8 57 | 0 49 |
| W21 | 19 49 | 21 4 | 1 52 | 19 48 | 2 9 | 22 32 | 0 19 | 11 34 | 1 4 | 15 24 | 1 5 | 21 20 | 0 31 | 20 29 | 0 33 | 21 19 | 1 30 | 11 12 | 15 28 | 22 53 | 22 44 | 14 38 | 8 58 | 0 49 |
| T 22 | 19 36 | 18 43 | 2 49 | 19 20 | 2 8 | 22 28 | 0 17 | 11 16 | 1 4 | 15 25 | 1 5 | 21 19 | 0 31 | 20 30 | 0 33 | 21 19 | 1 30 | 11 12 | 15 28 | 22 53 | 22 43 | 14 36 | 8 58 | 0 49 |
| F 23 | 19 22 | 15 36 | 3 38 | 18 51 | 2 6 | 22 23 | 0 14 | 10 59 | 1 3 | 15 26 | 1 4 | 21 18 | 0 31 | 20 30 | 0 33 | 21 19 | 1 30 | 11 13 | 15 29 | 22 52 | 22 43 | 14 34 | 8 58 | 0 49 |
| S 24 | 19 8 | 11 52 | 4 18 | 18 20 | 2 5 | 22 18 | 0 11 | 10 41 | 1 3 | 15 27 | 1 4 | 21 18 | 0 30 | 20 31 | 0 33 | 21 19 | 1 30 | 11 13 | 15 29 | 22 52 | 22 43 | 14 32 | 8 59 | 0 49 |
| S 25 | 18 53 | 7 41 | 4 47 | 17 49 | 2 2 | 22 12 | 0 9 | 10 23 | 1 2 | 15 28 | 1 4 | 21 17 | 0 30 | 20 32 | 0 33 | 21 19 | 1 30 | 11 14 | 15 30 | 22 51 | 22 43 | 14 29 | 8 59 | 0 49 |
| M26 | 18 39 | 3 12 | 5 3 | 17 16 | 1 59 | 22 5 | 0 6 | 10 6 | 1 2 | 15 30 | 1 4 | 21 16 | 0 30 | 20 32 | 0 33 | 21 19 | 1 30 | 11 15 | 15 30 | 22 50 | 22 42 | 14 27 | 9 0 | 0 48 |
| T 27 | 18 23 | 1s27 | 5 7 | 16 42 | 1 56 | 21 58 | 0 4 | 9 48 | 1 1 | 15 31 | 1 3 | 21 15 | 0 30 | 20 33 | 0 33 | 21 19 | 1 30 | 11 15 | 15 31 | 22 49 | 22 42 | 14 25 | 9 0 | 0 48 |
| W28 | 18 8 | 6 4 | 4 56 | 16 6 | 1 51 | 21 50 | 0 1 | 9 30 | 1 1 | 15 32 | 1 3 | 21 14 | 0 30 | 20 33 | 0 33 | 21 20 | 1 30 | 11 16 | 15 31 | 22 49 | 22 42 | 14 23 | 9 0 | 0 48 |
| T 29 | 17 52 | 10 32 | 4 32 | 15 30 | 1 47 | 21 41 | 0s 2 | 9 12 | 1 0 | 15 34 | 1 3 | 21 13 | 0 30 | 20 34 | 0 33 | 21 20 | 1 30 | 11 17 | 15 32 | 22 48 | 22 41 | 14 21 | 9 1 | 0 48 |
| F 30 | 17 36 | 14 39 | 3 54 | 14 53 | 1 41 | 21 32 | 0 4 | 8 53 | 1 0 | 15 35 | 1 2 | 21 12 | 0 30 | 20 34 | 0 33 | 21 20 | 1 30 | 11 18 | 15 32 | 22 48 | 22 41 | 14 18 | 9 1 | 0 48 |
| S 31 | 17s19 | 18s10 | 3s 3 | 14s14 | 1s35 | 21s22 | 0s 7 | 8s35 | 0s59 | 15n37 | 1s 2 | 21s11 | 0n30 | 20n35 | 0n33 | 21s20 | 1n30 | 11n18 | 15n33 | 22s48 | 22s41 | 14n16 | 9n 2 | 0n48 |

Julian Day Number = 2802543.5, Delta T = 50m43s
Ecliptic obliquity = 23°18'51, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°11'32, Lahiri = 37°18'32


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# ASTRODIENST EPHEMERIS for the year 2961
# geocentric

## FEBRUARY 2961 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 47 18 | 12♒14'03 | 24♏57 | 27♒41 | 24♑55 | 11♓ 4 | 16♉18 | 21♑11 | 29°R57 | 18♐34 | 7°R32 | 18♐16 | 16♐54 | 8♌13 | 21♈24 | S 1 |
| M 2 | 8 51 15 | 13°15'07 | 8♐37 | 29°14 | 26°10 | 11°52 | 16°23 | 21°18 | 29♋55 | 18°36 | 7♎31 | 18°17 | 16°51 | 8°19 | 21°25 | M 2 |
| T 3 | 8 55 11 | 14°16'10 | 22°43 | 0♓46 | 27°25 | 12°39 | 16°27 | 21°25 | 29°52 | 18°37 | 7°31 | 18°R17 | 16°48 | 8°26 | 21°27 | T 3 |
| W 4 | 8 59 8 | 15°17'14 | 7♑17 | 2°15 | 28°41 | 13°26 | 16°33 | 21°31 | 29°50 | 18°39 | 7°30 | 18°15 | 16°45 | 8°33 | 21°29 | W 4 |
| T 5 | 9 3 4 | 16°18'16 | 22°14 | 3°42 | 29°56 | 14°14 | 16°38 | 21°38 | 29°47 | 18°40 | 7°29 | 18°11 | 16°42 | 8°39 | 21°31 | T 5 |
| F 6 | 9 7 1 | 17°19'19 | 7♒27 | 5° 5 | 1♒11 | 15° 1 | 16°43 | 21°45 | 29°45 | 18°42 | 7°28 | 18° 5 | 16°39 | 8°46 | 21°33 | F 6 |
| S 7 | 9 10 58 | 18°20'20 | 22°46 | 6°25 | 2°26 | 15°48 | 16°49 | 21°51 | 29°42 | 18°43 | 7°27 | 17°56 | 16°35 | 8°53 | 21°34 | S 7 |
| S 8 | 9 14 54 | 19°21'21 | 8♓ 0 | 7°40 | 3°41 | 16°36 | 16°55 | 21°58 | 29°40 | 18°44 | 7°26 | 17°46 | 16°32 | 8°59 | 21°36 | S 8 |
| M 9 | 9 18 51 | 20°22'21 | 22°58 | 8°49 | 4°57 | 17°23 | 17° 1 | 22° 5 | 29°38 | 18°46 | 7°25 | 17°37 | 16°29 | 9° 6 | 21°38 | M 9 |
| T 10 | 9 22 47 | 21°23'21 | 7♈32 | 9°52 | 6°12 | 18°10 | 17° 7 | 22°11 | 29°35 | 18°47 | 7°24 | 17°28 | 16°26 | 9°13 | 21°41 | T 10 |
| W11 | 9 26 44 | 22°24'19 | 21°37 | 10°49 | 7°27 | 18°57 | 17°13 | 22°18 | 29°33 | 18°48 | 7°23 | 17°22 | 16°23 | 9°19 | 21°43 | W11 |
| T 12 | 9 30 40 | 23°25'16 | 5♉12 | 11°38 | 8°42 | 19°45 | 17°20 | 22°24 | 29°31 | 18°49 | 7°22 | 17°18 | 16°19 | 9°26 | 21°45 | T 12 |
| F 13 | 9 34 37 | 24°26'12 | 18°18 | 12°18 | 9°57 | 20°32 | 17°26 | 22°31 | 29°28 | 18°51 | 7°21 | 17°17 | 16°16 | 9°33 | 21°47 | F 13 |
| S 14 | 9 38 33 | 25°27'07 | 0♊59 | 12°49 | 11°13 | 21°19 | 17°33 | 22°37 | 29°26 | 18°52 | 7°20 | 17°D16 | 16°13 | 9°40 | 21°49 | S 14 |
| S 15 | 9 42 30 | 26°28'00 | 13°19 | 13° 9 | 12°28 | 22° 7 | 17°40 | 22°43 | 29°24 | 18°53 | 7°19 | 17°R17 | 16°10 | 9°46 | 21°52 | S 15 |
| M16 | 9 46 27 | 27°28'53 | 25°25 | 13°R19 | 13°43 | 22°54 | 17°47 | 22°50 | 29°22 | 18°54 | 7°18 | 17°17 | 16° 7 | 9°53 | 21°54 | M16 |
| T 17 | 9 50 23 | 28°29'44 | 7♋21 | 13°18 | 14°58 | 23°41 | 17°54 | 22°56 | 29°19 | 18°55 | 7°17 | 17°15 | 16° 4 | 10° 0 | 21°56 | T 17 |
| W18 | 9 54 20 | 29°30'34 | 19°12 | 13° 6 | 16°13 | 24°28 | 18° 2 | 23° 2 | 29°17 | 18°56 | 7°16 | 17°10 | 16° 0 | 10° 6 | 21°59 | W18 |
| T 19 | 9 58 16 | 0♓31'23 | 1♌ 1 | 12°43 | 17°28 | 25°15 | 18° 9 | 23° 8 | 29°15 | 18°57 | 7°14 | 17° 3 | 15°57 | 10°13 | 22° 1 | T 19 |
| F 20 | 10 2 13 | 1°32'11 | 12°51 | 12° 9 | 18°44 | 26° 3 | 18°17 | 23°14 | 29°13 | 18°58 | 7°13 | 16°53 | 15°54 | 10°20 | 22° 4 | F 20 |
| S 21 | 10 6 9 | 2°32'57 | 24°44 | 11°26 | 19°59 | 26°50 | 18°25 | 23°20 | 29°11 | 18°59 | 7°12 | 16°40 | 15°51 | 10°26 | 22° 6 | S 21 |
| S 22 | 10 10 6 | 3°33'42 | 6♍43 | 10°33 | 21°14 | 27°37 | 18°33 | 23°26 | 29° 9 | 19° 0 | 7°11 | 16°26 | 15°48 | 10°33 | 22° 9 | S 22 |
| M23 | 10 14 2 | 4°34'26 | 18°47 | 9°33 | 22°29 | 28°24 | 18°41 | 23°32 | 29° 7 | 19° 1 | 7° 9 | 16°11 | 15°45 | 10°40 | 22°11 | M23 |
| T 24 | 10 17 59 | 5°35'09 | 0♎58 | 8°28 | 23°44 | 29°11 | 18°50 | 23°38 | 29° 5 | 19° 2 | 7° 8 | 15°58 | 15°41 | 10°47 | 22°14 | T 24 |
| W25 | 10 21 56 | 6°35'51 | 13°18 | 7°19 | 24°59 | 29°58 | 18°58 | 23°44 | 29° 3 | 19° 2 | 7° 7 | 15°46 | 15°38 | 10°53 | 22°17 | W25 |
| T 26 | 10 25 52 | 7°36'32 | 25°47 | 6° 8 | 26°15 | 0♈45 | 19° 7 | 23°50 | 29° 1 | 19° 3 | 7° 5 | 15°37 | 15°35 | 11° 0 | 22°19 | T 26 |
| F 27 | 10 29 49 | 8°37'11 | 8♏28 | 4°58 | 27°30 | 1°32 | 19°16 | 23°56 | 28°59 | 19° 4 | 7° 4 | 15°32 | 15°32 | 11° 7 | 22°22 | F 27 |
| S 28 | 10 33 45 | 9♓37'50 | 21♏22 | 3♓49 | 28♒45 | 2♈19 | 19♉24 | 24♑ 1 | 28♋58 | 19♐ 5 | 7♎ 3 | 15♐29 | 15♐29 | 11♌13 | 22♈25 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 17s 2 | 20s53 | 2s 2 | 13s35 | 1s28 | 21s11 | 0s 9 | 8s17 | 0s59 | 15n38 | 1s 2 | 21s10 | 0n30 | 20n35 | 0n33 | 21s20 | 1n30 | 11n19 | 15n33 | 22s48 | 22s40 | 14n14 | 9n 2 | 0n48 | |
| M 2 | 16 45 | 22 29 | 0 52 | 12 56 | 1 20 | 21 0 | 0 12 | 7 58 | 0 58 | 15 40 | 1 2 | 21 9 | 0 30 | 20 36 | 0 33 | 21 20 | 1 30 | 11 20 | 15 34 | 22 48 | 22 40 | 14 12 | 9 3 | 0 48 | |
| T 3 | 16 28 | 22 43 | 0n24 | 12 16 | 1 12 | 20 48 | 0 14 | 7 40 | 0 58 | 15 42 | 1 1 | 21 8 | 0 30 | 20 36 | 0 33 | 21 20 | 1 30 | 11 20 | 15 34 | 22 48 | 22 40 | 14 9 | 9 3 | 0 48 | |
| W 4 | 16 10 | 21 27 | 1 40 | 11 35 | 1 2 | 20 36 | 0 17 | 7 21 | 0 57 | 15 43 | 1 1 | 21 7 | 0 30 | 20 37 | 0 33 | 21 20 | 1 30 | 11 21 | 15 35 | 22 48 | 22 39 | 14 7 | 9 4 | 0 47 | |
| T 5 | 15 52 | 18 40 | 2 51 | 10 54 | 0 52 | 20 22 | 0 19 | 7 3 | 0 56 | 15 45 | 1 1 | 21 6 | 0 30 | 20 37 | 0 33 | 21 20 | 1 30 | 11 22 | 15 35 | 22 48 | 22 39 | 14 5 | 9 5 | 0 47 | |
| F 6 | 15 34 | 14 35 | 3 51 | 10 14 | 0 41 | 20 9 | 0 22 | 6 44 | 0 56 | 15 47 | 1 0 | 21 5 | 0 30 | 20 38 | 0 33 | 21 20 | 1 30 | 11 23 | 15 35 | 22 47 | 22 39 | 14 3 | 9 5 | 0 47 | |
| S 7 | 15 15 | 9 31 | 4 35 | 9 34 | 0 29 | 19 54 | 0 24 | 6 25 | 0 55 | 15 49 | 1 0 | 21 4 | 0 30 | 20 38 | 0 33 | 21 20 | 1 30 | 11 23 | 15 36 | 22 46 | 22 39 | 14 1 | 9 6 | 0 47 | |
| S 8 | 14 56 | 3 53 | 5 0 | 8 54 | 0 16 | 19 39 | 0 27 | 6 6 | 0 55 | 15 51 | 1 0 | 21 3 | 0 30 | 20 39 | 0 33 | 21 21 | 1 30 | 11 24 | 15 36 | 22 45 | 22 38 | 13 58 | 9 6 | 0 47 | |
| M 9 | 14 37 | 1n52 | 5 3 | 8 16 | 0 3 | 19 24 | 0 29 | 5 48 | 0 54 | 15 52 | 1 0 | 21 2 | 0 30 | 20 39 | 0 33 | 21 21 | 1 30 | 11 25 | 15 37 | 22 44 | 22 38 | 13 56 | 9 7 | 0 47 | |
| T 10 | 14 18 | 7 21 | 4 46 | 7 39 | 0n12 | 19 8 | 0 31 | 5 29 | 0 54 | 15 54 | 0 59 | 21 1 | 0 30 | 20 40 | 0 33 | 21 21 | 1 30 | 11 26 | 15 37 | 22 44 | 22 38 | 13 54 | 9 8 | 0 47 | |
| W11 | 13 58 | 12 17 | 4 12 | 7 3 | 0 27 | 18 51 | 0 34 | 5 10 | 0 53 | 15 56 | 0 59 | 21 0 | 0 30 | 20 40 | 0 33 | 21 21 | 1 30 | 11 26 | 15 38 | 22 43 | 22 37 | 13 52 | 9 8 | 0 47 | |
| T 12 | 13 39 | 16 24 | 3 25 | 6 30 | 0 43 | 18 34 | 0 36 | 4 51 | 0 53 | 15 59 | 0 59 | 20 59 | 0 29 | 20 41 | 0 33 | 21 21 | 1 30 | 11 27 | 15 38 | 22 43 | 22 37 | 13 49 | 9 9 | 0 47 | |
| F 13 | 13 18 | 19 33 | 2 28 | 6 0 | 0 59 | 18 16 | 0 38 | 4 32 | 0 52 | 16 1 | 0 59 | 20 58 | 0 29 | 20 41 | 0 33 | 21 21 | 1 30 | 11 28 | 15 38 | 22 43 | 22 37 | 13 47 | 9 10 | 0 46 | |
| S 14 | 12 58 | 21 39 | 1 26 | 5 33 | 1 16 | 17 58 | 0 40 | 4 13 | 0 51 | 16 3 | 0 58 | 20 57 | 0 29 | 20 42 | 0 33 | 21 21 | 1 30 | 11 29 | 15 39 | 22 43 | 22 36 | 13 45 | 9 11 | 0 46 | |
| S 15 | 12 38 | 22 38 | 0 21 | 5 9 | 1 33 | 17 39 | 0 42 | 3 54 | 0 51 | 16 5 | 0 58 | 20 56 | 0 29 | 20 42 | 0 33 | 21 21 | 1 30 | 11 30 | 15 39 | 22 43 | 22 36 | 13 43 | 9 11 | 0 46 | |
| M16 | 12 17 | 22 31 | 0s43 | 4 50 | 1 50 | 17 20 | 0 45 | 3 34 | 0 50 | 16 7 | 0 58 | 20 55 | 0 29 | 20 43 | 0 33 | 21 21 | 1 30 | 11 30 | 15 40 | 22 43 | 22 36 | 13 40 | 9 12 | 0 46 | |
| T 17 | 11 56 | 21 22 | 1 45 | 4 35 | 2 6 | 17 0 | 0 47 | 3 15 | 0 50 | 16 9 | 0 58 | 20 54 | 0 29 | 20 43 | 0 33 | 21 21 | 1 31 | 11 31 | 15 40 | 22 42 | 22 35 | 13 38 | 9 13 | 0 46 | |
| W18 | 11 35 | 19 18 | 2 41 | 4 24 | 2 23 | 16 40 | 0 49 | 2 56 | 0 49 | 16 12 | 0 57 | 20 53 | 0 29 | 20 44 | 0 33 | 21 21 | 1 31 | 11 32 | 15 40 | 22 42 | 22 35 | 13 36 | 9 14 | 0 46 | |
| T 19 | 11 14 | 16 25 | 3 30 | 4 19 | 2 38 | 16 19 | 0 51 | 2 37 | 0 48 | 16 14 | 0 57 | 20 52 | 0 29 | 20 44 | 0 33 | 21 21 | 1 31 | 11 33 | 15 41 | 22 41 | 22 35 | 13 34 | 9 14 | 0 46 | |
| F 20 | 10 52 | 12 52 | 4 10 | 4 18 | 2 53 | 15 58 | 0 53 | 2 18 | 0 48 | 16 16 | 0 57 | 20 51 | 0 29 | 20 45 | 0 33 | 21 21 | 1 31 | 11 34 | 15 41 | 22 40 | 22 34 | 13 31 | 9 15 | 0 46 | |
| S 21 | 10 31 | 8 49 | 4 39 | 4 23 | 3 5 | 15 36 | 0 55 | 1 59 | 0 47 | 16 19 | 0 57 | 20 50 | 0 29 | 20 45 | 0 33 | 21 21 | 1 31 | 11 34 | 15 41 | 22 39 | 22 34 | 13 29 | 9 16 | 0 46 | |
| S 22 | 10 9 | 4 25 | 4 56 | 4 32 | 3 17 | 15 14 | 0 56 | 1 39 | 0 47 | 16 21 | 0 56 | 20 49 | 0 29 | 20 45 | 0 33 | 21 21 | 1 31 | 11 35 | 15 42 | 22 38 | 22 34 | 13 27 | 9 17 | 0 45 | |
| M23 | 9 47 | 0s11 | 5 0 | 4 46 | 3 26 | 14 52 | 0 58 | 1 20 | 0 46 | 16 24 | 0 56 | 20 48 | 0 29 | 20 46 | 0 33 | 21 21 | 1 31 | 11 36 | 15 42 | 22 36 | 22 33 | 13 25 | 9 18 | 0 45 | |
| T 24 | 9 25 | 4 49 | 4 50 | 5 3 | 3 33 | 14 29 | 1 0 | 1 1 | 0 45 | 16 26 | 0 56 | 20 47 | 0 29 | 20 46 | 0 33 | 21 21 | 1 31 | 11 37 | 15 42 | 22 35 | 22 33 | 13 22 | 9 19 | 0 45 | |
| W25 | 9 3 | 9 19 | 4 27 | 5 25 | 3 37 | 14 6 | 1 2 | 0 42 | 0 45 | 16 29 | 0 56 | 20 46 | 0 29 | 20 47 | 0 33 | 21 21 | 1 31 | 11 38 | 15 43 | 22 34 | 22 33 | 13 20 | 9 20 | 0 45 | |
| T 26 | 8 40 | 13 29 | 3 50 | 5 48 | 3 40 | 13 42 | 1 3 | 0 23 | 0 44 | 16 31 | 0 55 | 20 45 | 0 29 | 20 47 | 0 33 | 21 21 | 1 31 | 11 38 | 15 43 | 22 33 | 22 32 | 13 18 | 9 21 | 0 45 | |
| F 27 | 8 18 | 17 7 | 3 2 | 6 14 | 3 39 | 13 18 | 1 5 | 0 3 | 0 44 | 16 34 | 0 55 | 20 44 | 0 29 | 20 47 | 0 33 | 21 21 | 1 31 | 11 39 | 15 43 | 22 32 | 22 32 | 13 16 | 9 22 | 0 45 | |
| S 28 | 7s55 | 20s 0 | 2s 4 | 6s41 | 3n37 | 12s53 | 1s 7 | 0n16 | 0s43 | 16n36 | 0s55 | 20s43 | 0n29 | 20n48 | 0n33 | 21s21 | 1n31 | 11n40 | 15n44 | 22s32 | 22s32 | 13n13 | 9n22 | 0n45 | |

Julian Day Number = 2802574.5, Delta T = 50m44s
Ecliptic obliquity = 23°18'51, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°11'36, Lahiri = 37°18'37


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# ASTRODIENST EPHEMERIS for the year 2961
# geocentric

## MARCH 2961 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 37 42 | 10♓38'28 | 4♐34 | 2°R44 | 29♒59 | 3♈ 6 | 19♉33 | 24♋ 7 | 28°R56 | 19♐ 5 | 7°R 1 | 15°R28 | 15♐25 | 11♌20 | 22♈28 | S 1 |
| M 2 | 10 41 38 | 11°39'04 | 18° 5 | 1♓44 | 1♓15 | 3°53 | 19°43 | 24°13 | 28♋54 | 19° 6 | 7♎ 0 | 15♐28 | 15°22 | 11°27 | 22°31 | M 2 |
| T 3 | 10 45 35 | 12°39'40 | 1♋58 | 0°50 | 2°30 | 4°40 | 19°52 | 24°18 | 28°52 | 19° 7 | 6°58 | 15°27 | 15°19 | 11°33 | 22°33 | T 3 |
| W 4 | 10 49 31 | 13°40'14 | 16°15 | 0° 3 | 3°45 | 5°27 | 20° 1 | 24°24 | 28°51 | 19° 7 | 6°57 | 15°25 | 15°16 | 11°40 | 22°36 | W 4 |
| T 5 | 10 53 28 | 14°40'48 | 0♒53 | 29♒23 | 5° 1 | 6°14 | 20°11 | 24°29 | 28°49 | 19° 8 | 6°56 | 15°20 | 15°13 | 11°47 | 22°39 | T 5 |
| F 6 | 10 57 25 | 15°41'20 | 15°49 | 28°51 | 6°16 | 7° 1 | 20°20 | 24°34 | 28°48 | 19° 8 | 6°54 | 15°12 | 15°10 | 11°53 | 22°42 | F 6 |
| S 7 | 11 1 21 | 16°41'50 | 0♓55 | 28°27 | 7°31 | 7°48 | 20°30 | 24°40 | 28°46 | 19° 9 | 6°53 | 15° 2 | 15° 6 | 12° 0 | 22°45 | S 7 |
| S 8 | 11 5 18 | 17°42'19 | 16° 0 | 28° 9 | 8°46 | 8°35 | 20°40 | 24°45 | 28°45 | 19° 9 | 6°51 | 14°50 | 15° 3 | 12° 7 | 22°48 | S 8 |
| M 9 | 11 9 14 | 18°42'47 | 0♈56 | 28° 0 | 10° 1 | 9°22 | 20°50 | 24°50 | 28°43 | 19°10 | 6°50 | 14°39 | 15° 0 | 12°14 | 22°51 | M 9 |
| T 10 | 11 13 11 | 19°43'13 | 15°33 | 27°D57 | 11°16 | 10° 9 | 21° 0 | 24°55 | 28°42 | 19°10 | 6°48 | 14°28 | 14°57 | 12°20 | 22°54 | T 10 |
| W11 | 11 17 7 | 20°43'37 | 29°43 | 28° 1 | 12°31 | 10°55 | 21°11 | 25° 0 | 28°41 | 19°10 | 6°46 | 14°19 | 14°54 | 12°27 | 22°58 | W11 |
| T 12 | 11 21 4 | 21°44'00 | 13♉25 | 28°12 | 13°46 | 11°42 | 21°21 | 25° 5 | 28°39 | 19°11 | 6°45 | 14°14 | 14°50 | 12°34 | 23° 1 | T 12 |
| F 13 | 11 25 0 | 22°44'21 | 26°37 | 28°28 | 15° 1 | 12°29 | 21°31 | 25°10 | 28°38 | 19°11 | 6°43 | 14°11 | 14°47 | 12°40 | 23° 4 | F 13 |
| S 14 | 11 28 57 | 23°44'39 | 9♊24 | 28°50 | 16°16 | 13°16 | 21°42 | 25°15 | 28°37 | 19°11 | 6°42 | 14°D10 | 14°44 | 12°47 | 23° 7 | S 14 |
| S 15 | 11 32 53 | 24°44'56 | 21°48 | 29°18 | 17°31 | 14° 2 | 21°53 | 25°19 | 28°36 | 19°11 | 6°40 | 14°R10 | 14°41 | 12°54 | 23°10 | S 15 |
| M16 | 11 36 50 | 25°45'11 | 3♋56 | 29°50 | 18°46 | 14°49 | 22° 4 | 25°24 | 28°35 | 19°12 | 6°39 | 14°10 | 14°38 | 13° 0 | 23°13 | M16 |
| T 17 | 11 40 47 | 26°45'24 | 15°53 | 0♓26 | 20° 1 | 15°36 | 22°14 | 25°29 | 28°34 | 19°12 | 6°37 | 14° 8 | 14°35 | 13° 7 | 23°17 | T 17 |
| W18 | 11 44 43 | 27°45'35 | 27°43 | 1° 7 | 21°16 | 16°22 | 22°25 | 25°33 | 28°33 | 19°12 | 6°35 | 14° 4 | 14°31 | 13°14 | 23°20 | W18 |
| T 19 | 11 48 40 | 28°45'44 | 9♌32 | 1°52 | 22°31 | 17° 9 | 22°37 | 25°38 | 28°32 | 19°12 | 6°34 | 13°58 | 14°28 | 13°21 | 23°23 | T 19 |
| F 20 | 11 52 36 | 29°45'51 | 21°24 | 2°40 | 23°46 | 17°55 | 22°48 | 25°42 | 28°31 | 19°12 | 6°32 | 13°49 | 14°25 | 13°27 | 23°27 | F 20 |
| S 21 | 11 56 33 | 0♈45'56 | 3♍21 | 3°32 | 25° 1 | 18°42 | 22°59 | 25°46 | 28°30 | 19°R12 | 6°31 | 13°37 | 14°22 | 13°34 | 23°30 | S 21 |
| S 22 | 12 0 29 | 1°46'00 | 15°27 | 4°26 | 26°16 | 19°28 | 23°10 | 25°50 | 28°29 | 19°12 | 6°29 | 13°24 | 14°19 | 13°41 | 23°33 | S 22 |
| M23 | 12 4 26 | 2°46'01 | 27°42 | 5°24 | 27°31 | 20°14 | 23°22 | 25°55 | 28°28 | 19°12 | 6°27 | 13°11 | 14°16 | 13°47 | 23°37 | M23 |
| T 24 | 12 8 22 | 3°46'00 | 10♎ 6 | 6°25 | 28°46 | 21° 1 | 23°34 | 25°59 | 28°28 | 19°12 | 6°26 | 12°58 | 14°12 | 13°54 | 23°40 | T 24 |
| W25 | 12 12 19 | 4°45'58 | 22°42 | 7°28 | 0♈ 1 | 21°47 | 23°45 | 26° 3 | 28°27 | 19°12 | 6°24 | 12°48 | 14° 9 | 14° 1 | 23°43 | W25 |
| T 26 | 12 16 16 | 5°45'54 | 5♏28 | 8°33 | 1°16 | 22°33 | 23°57 | 26° 6 | 28°27 | 19°12 | 6°23 | 12°40 | 14° 6 | 14° 8 | 23°47 | T 26 |
| F 27 | 12 20 12 | 6°45'48 | 18°24 | 9°41 | 2°30 | 23°19 | 24° 9 | 26°10 | 28°26 | 19°11 | 6°21 | 12°34 | 14° 3 | 14°14 | 23°50 | F 27 |
| S 28 | 12 24 9 | 7°45'41 | 1♐32 | 10°50 | 3°45 | 24° 6 | 24°21 | 26°14 | 28°26 | 19°11 | 6°19 | 12°32 | 14° 0 | 14°21 | 23°54 | S 28 |
| S 29 | 12 28 5 | 8°45'32 | 14°53 | 12° 2 | 5° 0 | 24°52 | 24°33 | 26°18 | 28°25 | 19°11 | 6°18 | 12°D31 | 13°56 | 14°28 | 23°57 | S 29 |
| M30 | 12 32 2 | 9°45'21 | 28°28 | 13°16 | 6°15 | 25°38 | 24°45 | 26°21 | 28°25 | 19°11 | 6°16 | 12°32 | 13°53 | 14°34 | 24° 1 | M30 |
| T 31 | 12 35 58 | 10♈45'09 | 12♋17 | 14♓32 | 7♈30 | 26♈24 | 24♉57 | 26♋25 | 28♋24 | 19♐10 | 6♎15 | 12°R32 | 13♐50 | 14♌41 | 24♈ 4 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7s32 | 21s53 | 0s57 | 7s 8 | 3n32 | 12s29 | 1s 8 | 0n35 | 0s42 | 16n39 | 0s55 | 20s42 | 0n29 | 20n48 | 0n33 | 21s21 | 1n31 | 11n41 | 15n44 | 22s32 | 22s31 | 13n11 | 9n23 | 0n45 |
| M 2 | 7 9 | 22 33 | 0n14 | 7 36 | 3 26 | 12 3 | 1 10 | 0 54 | 0 42 | 16 42 | 0 54 | 20 41 | 0 29 | 20 48 | 0 33 | 21 21 | 1 31 | 11 42 | 15 44 | 22 32 | 22 31 | 13 9 | 9 24 | 0 45 |
| T 3 | 6 46 | 21 52 | 1 26 | 8 2 | 3 17 | 11 38 | 1 11 | 1 13 | 0 41 | 16 44 | 0 54 | 20 40 | 0 29 | 20 49 | 0 33 | 21 21 | 1 31 | 11 42 | 15 44 | 22 32 | 22 31 | 13 6 | 9 25 | 0 45 |
| W 4 | 6 23 | 19 46 | 2 35 | 8 28 | 3 8 | 11 12 | 1 12 | 1 32 | 0 40 | 16 47 | 0 54 | 20 39 | 0 29 | 20 49 | 0 33 | 21 21 | 1 31 | 11 43 | 15 45 | 22 31 | 22 30 | 13 4 | 9 26 | 0 44 |
| T 5 | 6 0 | 16 21 | 3 35 | 8 52 | 2 57 | 10 46 | 1 14 | 1 51 | 0 40 | 16 50 | 0 54 | 20 39 | 0 29 | 20 49 | 0 33 | 21 21 | 1 31 | 11 44 | 15 45 | 22 31 | 22 30 | 13 2 | 9 27 | 0 44 |
| F 6 | 5 37 | 11 50 | 4 22 | 9 14 | 2 45 | 10 20 | 1 15 | 2 10 | 0 39 | 16 53 | 0 54 | 20 38 | 0 29 | 20 50 | 0 33 | 21 21 | 1 31 | 11 45 | 15 45 | 22 30 | 22 30 | 13 0 | 9 28 | 0 44 |
| S 7 | 5 13 | 6 33 | 4 51 | 9 34 | 2 32 | 9 53 | 1 16 | 2 29 | 0 38 | 16 55 | 0 53 | 20 37 | 0 29 | 20 50 | 0 33 | 21 21 | 1 31 | 11 46 | 15 45 | 22 29 | 22 29 | 12 57 | 9 29 | 0 44 |
| S 8 | 4 50 | 0 53 | 5 0 | 9 52 | 2 20 | 9 26 | 1 17 | 2 48 | 0 38 | 16 58 | 0 53 | 20 36 | 0 28 | 20 50 | 0 33 | 21 21 | 1 31 | 11 46 | 15 46 | 22 27 | 22 29 | 12 55 | 9 30 | 0 44 |
| M 9 | 4 27 | 4n47 | 4 48 | 10 8 | 2 6 | 8 59 | 1 18 | 3 7 | 0 37 | 17 1 | 0 53 | 20 35 | 0 28 | 20 50 | 0 33 | 21 21 | 1 31 | 11 47 | 15 46 | 22 26 | 22 29 | 12 53 | 9 31 | 0 44 |
| T 10 | 4 3 | 10 3 | 4 18 | 10 21 | 1 53 | 8 31 | 1 19 | 3 26 | 0 36 | 17 4 | 0 53 | 20 34 | 0 28 | 20 51 | 0 33 | 21 21 | 1 32 | 11 48 | 15 46 | 22 25 | 22 28 | 12 50 | 9 33 | 0 44 |
| W11 | 3 39 | 14 37 | 3 32 | 10 33 | 1 39 | 8 4 | 1 20 | 3 45 | 0 36 | 17 7 | 0 53 | 20 33 | 0 28 | 20 51 | 0 33 | 21 21 | 1 32 | 11 49 | 15 46 | 22 24 | 22 28 | 12 48 | 9 34 | 0 44 |
| T 12 | 3 16 | 18 15 | 2 35 | 10 42 | 1 26 | 7 36 | 1 21 | 4 4 | 0 35 | 17 10 | 0 52 | 20 32 | 0 28 | 20 51 | 0 33 | 21 21 | 1 32 | 11 49 | 15 47 | 22 23 | 22 27 | 12 46 | 9 35 | 0 44 |
| F 13 | 2 52 | 20 47 | 1 31 | 10 49 | 1 12 | 7 8 | 1 22 | 4 23 | 0 35 | 17 13 | 0 52 | 20 32 | 0 28 | 20 51 | 0 33 | 21 21 | 1 32 | 11 50 | 15 47 | 22 23 | 22 27 | 12 44 | 9 36 | 0 44 |
| S 14 | 2 28 | 22 10 | 0 25 | 10 53 | 0 59 | 6 40 | 1 23 | 4 41 | 0 34 | 17 16 | 0 52 | 20 31 | 0 28 | 20 52 | 0 32 | 21 21 | 1 32 | 11 51 | 15 47 | 22 23 | 22 27 | 12 41 | 9 37 | 0 44 |
| S 15 | 2 5 | 22 23 | 0s40 | 10 56 | 0 46 | 6 11 | 1 23 | 5 0 | 0 33 | 17 18 | 0 52 | 20 30 | 0 28 | 20 52 | 0 32 | 21 21 | 1 32 | 11 52 | 15 47 | 22 23 | 22 26 | 12 39 | 9 38 | 0 43 |
| M16 | 1 41 | 21 33 | 1 43 | 10 57 | 0 34 | 5 43 | 1 24 | 5 18 | 0 33 | 17 21 | 0 52 | 20 29 | 0 28 | 20 52 | 0 32 | 21 21 | 1 32 | 11 53 | 15 47 | 22 23 | 22 26 | 12 37 | 9 39 | 0 43 |
| T 17 | 1 17 | 19 44 | 2 40 | 10 55 | 0 22 | 5 14 | 1 25 | 5 37 | 0 32 | 17 24 | 0 51 | 20 28 | 0 28 | 20 52 | 0 32 | 21 21 | 1 32 | 11 53 | 15 47 | 22 23 | 22 26 | 12 34 | 9 40 | 0 43 |
| W18 | 0 53 | 17 6 | 3 29 | 10 52 | 0 10 | 4 45 | 1 25 | 5 55 | 0 31 | 17 27 | 0 51 | 20 28 | 0 28 | 20 52 | 0 32 | 21 21 | 1 32 | 11 54 | 15 48 | 22 22 | 22 25 | 12 32 | 9 41 | 0 43 |
| T 19 | 0 29 | 13 46 | 4 9 | 10 47 | 0s 2 | 4 16 | 1 25 | 6 14 | 0 31 | 17 30 | 0 51 | 20 27 | 0 28 | 20 53 | 0 32 | 21 21 | 1 32 | 11 55 | 15 48 | 22 21 | 22 25 | 12 30 | 9 42 | 0 43 |
| F 20 | 0 6 | 9 53 | 4 39 | 10 40 | 0 13 | 3 47 | 1 26 | 6 32 | 0 30 | 17 33 | 0 51 | 20 26 | 0 28 | 20 53 | 0 32 | 21 21 | 1 32 | 11 56 | 15 48 | 22 20 | 22 25 | 12 28 | 9 44 | 0 43 |
| S 21 | 0n18 | 5 37 | 4 56 | 10 31 | 0 23 | 3 17 | 1 26 | 6 50 | 0 29 | 17 36 | 0 51 | 20 25 | 0 28 | 20 53 | 0 32 | 21 21 | 1 32 | 11 56 | 15 48 | 22 19 | 22 24 | 12 25 | 9 45 | 0 43 |
| S 22 | 0 42 | 1 5 | 5 1 | 10 21 | 0 33 | 2 48 | 1 26 | 7 8 | 0 29 | 17 39 | 0 50 | 20 24 | 0 28 | 20 53 | 0 32 | 21 21 | 1 32 | 11 57 | 15 48 | 22 17 | 22 24 | 12 23 | 9 46 | 0 43 |
| M23 | 1 6 | 3s33 | 4 52 | 10 9 | 0 43 | 2 18 | 1 27 | 7 26 | 0 28 | 17 42 | 0 50 | 20 24 | 0 28 | 20 53 | 0 32 | 21 21 | 1 32 | 11 58 | 15 48 | 22 16 | 22 23 | 12 21 | 9 47 | 0 43 |
| T 24 | 1 29 | 8 6 | 4 29 | 9 56 | 0 53 | 1 49 | 1 27 | 7 44 | 0 27 | 17 45 | 0 50 | 20 23 | 0 28 | 20 53 | 0 32 | 21 21 | 1 32 | 11 58 | 15 48 | 22 14 | 22 23 | 12 18 | 9 48 | 0 43 |
| W25 | 1 53 | 12 23 | 3 52 | 9 41 | 1 1 | 1 19 | 1 27 | 8 2 | 0 27 | 17 49 | 0 50 | 20 22 | 0 28 | 20 53 | 0 32 | 21 21 | 1 32 | 11 59 | 15 48 | 22 13 | 22 23 | 12 16 | 9 49 | 0 43 |
| T 26 | 2 17 | 16 9 | 3 3 | 9 24 | 1 10 | 0 50 | 1 27 | 8 20 | 0 26 | 17 52 | 0 50 | 20 22 | 0 28 | 20 54 | 0 32 | 21 21 | 1 32 | 12 0 | 15 48 | 22 12 | 22 22 | 12 14 | 9 51 | 0 43 |
| F 27 | 2 40 | 19 13 | 2 5 | 9 6 | 1 18 | 0 20 | 1 27 | 8 38 | 0 25 | 17 55 | 0 49 | 20 21 | 0 28 | 20 54 | 0 32 | 21 21 | 1 32 | 12 0 | 15 48 | 22 11 | 22 22 | 12 11 | 9 52 | 0 42 |
| S 28 | 3 4 | 21 19 | 0 58 | 8 47 | 1 26 | 0n10 | 1 26 | 8 55 | 0 24 | 17 58 | 0 49 | 20 20 | 0 28 | 20 54 | 0 32 | 21 21 | 1 32 | 12 1 | 15 48 | 22 11 | 22 22 | 12 9 | 9 53 | 0 42 |
| S 29 | 3 27 | 22 15 | 0n13 | 8 26 | 1 33 | 0 39 | 1 26 | 9 13 | 0 24 | 18 1 | 0 49 | 20 20 | 0 28 | 20 54 | 0 32 | 21 20 | 1 32 | 12 2 | 15 49 | 22 11 | 22 21 | 12 7 | 9 54 | 0 42 |
| M30 | 3 51 | 21 54 | 1 24 | 8 4 | 1 39 | 1 9 | 1 26 | 9 30 | 0 23 | 18 4 | 0 49 | 20 19 | 0 28 | 20 54 | 0 32 | 21 20 | 1 32 | 12 2 | 15 49 | 22 11 | 22 21 | 12 4 | 9 55 | 0 42 |
| T 31 | 4n14 | 20s14 | 2n32 | 7s41 | 1s46 | 1n39 | 1s26 | 9n47 | 0s22 | 18n 7 | 0s49 | 20s18 | 0n28 | 20n54 | 0n32 | 21s20 | 1n32 | 12n 3 | 15n49 | 22s11 | 22s20 | 12n 2 | 9n57 | 0n42 |

Julian Day Number = 2802602.5, Delta T = 50m44s
Ecliptic obliquity = 23°18'51, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°11'40, Lahiri = 37°18'40


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# ASTRODIENST EPHEMERIS for the year 2961
# geocentric

## APRIL 2961 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 39 55 | 11♈44'55 | 26♑23 | 15♓49 | 8♈45 | 27♈10 | 25♉ 9 | 26♑28 | 28°R24 | 19°R10 | 6°R13 | 12°R31 | 13♐47 | 14♌48 | 24♈ 8 | W 1 |
| T 2 | 12 43 51 | 12°44'40 | 10♒43 | 17° 9 | 9°59 | 27°56 | 25°21 | 26°31 | 28♋24 | 19♐10 | 6♎11 | 12♐28 | 13°44 | 14°54 | 24°11 | T 2 |
| F 3 | 12 47 48 | 13°44'23 | 25°16 | 18°30 | 11°14 | 28°42 | 25°34 | 26°35 | 28°24 | 19° 9 | 6°10 | 12°23 | 13°41 | 15° 1 | 24°15 | F 3 |
| S 4 | 12 51 45 | 14°44'04 | 9♓57 | 19°52 | 12°29 | 29°28 | 25°46 | 26°38 | 28°24 | 19° 9 | 6° 8 | 12°15 | 13°37 | 15° 8 | 24°18 | S 4 |
| S 5 | 12 55 41 | 15°43'43 | 24°39 | 21°16 | 13°44 | 0♉14 | 25°59 | 26°41 | 28°D24 | 19° 8 | 6° 6 | 12° 6 | 13°34 | 15°15 | 24°22 | S 5 |
| M 6 | 12 59 38 | 16°43'20 | 9♈14 | 22°42 | 14°58 | 1° 0 | 26°11 | 26°44 | 28°24 | 19° 8 | 6° 5 | 11°57 | 13°31 | 15°21 | 24°25 | M 6 |
| T 7 | 13 3 34 | 17°42'56 | 23°35 | 24° 9 | 16°13 | 1°46 | 26°24 | 26°47 | 28°24 | 19° 7 | 6° 3 | 11°49 | 13°28 | 15°28 | 24°29 | T 7 |
| W 8 | 13 7 31 | 18°42'30 | 7♉37 | 25°37 | 17°28 | 2°31 | 26°37 | 26°49 | 28°24 | 19° 7 | 6° 2 | 11°43 | 13°25 | 15°35 | 24°32 | W 8 |
| T 9 | 13 11 27 | 19°42'01 | 21°15 | 27° 7 | 18°42 | 3°17 | 26°50 | 26°52 | 28°24 | 19° 6 | 6° 0 | 11°38 | 13°21 | 15°41 | 24°36 | T 9 |
| F 10 | 13 15 24 | 20°41'31 | 4♊28 | 28°39 | 19°57 | 4° 3 | 27° 2 | 26°55 | 28°24 | 19° 5 | 5°59 | 11°36 | 13°18 | 15°48 | 24°39 | F 10 |
| S 11 | 13 19 20 | 21°40'58 | 17°17 | 0♈11 | 21°12 | 4°48 | 27°15 | 26°57 | 28°25 | 19° 5 | 5°57 | 11°D36 | 13°15 | 15°55 | 24°43 | S 11 |
| S 12 | 13 23 17 | 22°40'23 | 29°45 | 1°46 | 22°26 | 5°34 | 27°28 | 26°59 | 28°25 | 19° 4 | 5°56 | 11°37 | 13°12 | 16° 1 | 24°46 | S 12 |
| M13 | 13 27 13 | 23°39'46 | 11♋57 | 3°21 | 23°41 | 6°19 | 27°41 | 27° 2 | 28°25 | 19° 3 | 5°54 | 11°38 | 13° 9 | 16° 8 | 24°50 | M13 |
| T 14 | 13 31 10 | 24°39'07 | 23°56 | 4°58 | 24°56 | 7° 5 | 27°55 | 27° 4 | 28°26 | 19° 2 | 5°52 | 11°R39 | 13° 6 | 16°15 | 24°54 | T 14 |
| W15 | 13 35 7 | 25°38'25 | 5♌49 | 6°36 | 26°10 | 7°50 | 28° 8 | 27° 6 | 28°26 | 19° 2 | 5°51 | 11°38 | 13° 2 | 16°22 | 24°57 | W15 |
| T 16 | 13 39 3 | 26°37'41 | 17°40 | 8°16 | 27°25 | 8°36 | 28°21 | 27° 8 | 28°27 | 19° 1 | 5°49 | 11°36 | 12°59 | 16°28 | 25° 1 | T 16 |
| F 17 | 13 43 0 | 27°36'55 | 29°34 | 9°57 | 28°39 | 9°21 | 28°34 | 27°10 | 28°27 | 19° 0 | 5°48 | 11°32 | 12°56 | 16°35 | 25° 4 | F 17 |
| S 18 | 13 46 56 | 28°36'07 | 11♍35 | 11°40 | 29°54 | 10° 6 | 28°47 | 27°12 | 28°28 | 18°59 | 5°46 | 11°26 | 12°53 | 16°42 | 25° 8 | S 18 |
| S 19 | 13 50 53 | 29°35'16 | 23°46 | 13°24 | 1♉ 8 | 10°52 | 29° 1 | 27°14 | 28°29 | 18°58 | 5°45 | 11°18 | 12°50 | 16°48 | 25°11 | S 19 |
| M20 | 13 54 49 | 0♉34'23 | 6♎10 | 15° 9 | 2°23 | 11°37 | 29°14 | 27°15 | 28°30 | 18°57 | 5°44 | 11°11 | 12°47 | 16°55 | 25°15 | M20 |
| T 21 | 13 58 46 | 1°33'28 | 18°48 | 16°56 | 3°37 | 12°22 | 29°28 | 27°17 | 28°30 | 18°56 | 5°42 | 11° 4 | 12°43 | 17° 2 | 25°18 | T 21 |
| W22 | 14 2 42 | 2°32'31 | 1♏41 | 18°44 | 4°52 | 13° 7 | 29°41 | 27°18 | 28°31 | 18°55 | 5°41 | 10°58 | 12°40 | 17° 9 | 25°22 | W22 |
| T 23 | 14 6 39 | 3°31'33 | 14°47 | 20°34 | 6° 6 | 13°52 | 29°55 | 27°20 | 28°32 | 18°54 | 5°39 | 10°53 | 12°37 | 17°15 | 25°25 | T 23 |
| F 24 | 14 10 36 | 4°30'32 | 28° 6 | 22°25 | 7°20 | 14°37 | 0♊ 8 | 27°21 | 28°33 | 18°53 | 5°38 | 10°51 | 12°34 | 17°22 | 25°29 | F 24 |
| S 25 | 14 14 32 | 5°29'29 | 11♐38 | 24°18 | 8°35 | 15°22 | 0°22 | 27°22 | 28°34 | 18°52 | 5°37 | 10°D50 | 12°31 | 17°29 | 25°33 | S 25 |
| S 26 | 14 18 29 | 6°28'25 | 25°19 | 26°12 | 9°49 | 16° 7 | 0°36 | 27°23 | 28°35 | 18°51 | 5°35 | 10°51 | 12°27 | 17°35 | 25°36 | S 26 |
| M27 | 14 22 25 | 7°27'19 | 9♑10 | 28° 8 | 11° 4 | 16°52 | 0°49 | 27°24 | 28°36 | 18°50 | 5°34 | 10°52 | 12°24 | 17°42 | 25°40 | M27 |
| T 28 | 14 26 22 | 8°26'11 | 23°10 | 0♉ 5 | 12°18 | 17°37 | 1° 3 | 27°25 | 28°38 | 18°49 | 5°33 | 10°54 | 12°21 | 17°49 | 25°43 | T 28 |
| W29 | 14 30 18 | 9°25'02 | 7♒16 | 2° 3 | 13°32 | 18°22 | 1°17 | 27°26 | 28°39 | 18°48 | 5°31 | 10°R54 | 12°18 | 17°56 | 25°47 | W29 |
| T 30 | 14 34 15 | 10♉23'51 | 21♒29 | 4♉ 3 | 14♉47 | 19♉ 6 | 1♊31 | 27♑26 | 28♋40 | 18♐47 | 5♎30 | 10♐54 | 12♐15 | 18♌ 2 | 25♈50 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4n37 | 17s18 | 3n32 | 7s16 | 1s51 | 2n 8 | 1s25 | 10n 4 | 0s22 | 18n10 | 0s49 | 20s18 | 0n28 | 20n54 | 0n32 | 21s20 | 1n33 | 12n 4 | 15n49 | 22s11 | 22s20 | 12n 0 | 9n58 | 0n42 |
| T 2 | 5 1 | 13 17 | 4 20 | 6 51 | 1 57 | 2 38 | 1 25 | 10 21 | 0 21 | 18 13 | 0 48 | 20 17 | 0 28 | 20 54 | 0 32 | 21 20 | 1 33 | 12 4 | 15 49 | 22 10 | 22 20 | 11 58 | 9 59 | 0 42 |
| F 3 | 5 24 | 8 27 | 4 51 | 6 24 | 2 2 | 3 8 | 1 24 | 10 38 | 0 20 | 18 16 | 0 48 | 20 17 | 0 28 | 20 54 | 0 32 | 21 20 | 1 33 | 12 5 | 15 49 | 22 10 | 22 19 | 11 55 | 10 0 | 0 42 |
| S 4 | 5 47 | 3 6 | 5 4 | 5 56 | 2 6 | 3 37 | 1 24 | 10 55 | 0 20 | 18 19 | 0 48 | 20 16 | 0 28 | 20 54 | 0 32 | 21 20 | 1 33 | 12 6 | 15 49 | 22 9 | 22 19 | 11 53 | 10 1 | 0 42 |
| S 5 | 6 10 | 2n26 | 4 58 | 5 26 | 2 10 | 4 7 | 1 23 | 11 12 | 0 19 | 18 22 | 0 48 | 20 16 | 0 28 | 20 54 | 0 32 | 21 20 | 1 33 | 12 6 | 15 49 | 22 8 | 22 19 | 11 51 | 10 3 | 0 42 |
| M 6 | 6 32 | 7 48 | 4 31 | 4 56 | 2 14 | 4 36 | 1 22 | 11 28 | 0 18 | 18 25 | 0 48 | 20 15 | 0 28 | 20 54 | 0 32 | 21 20 | 1 33 | 12 7 | 15 48 | 22 6 | 22 18 | 11 48 | 10 4 | 0 42 |
| T 7 | 6 55 | 12 39 | 3 48 | 4 25 | 2 17 | 5 5 | 1 22 | 11 45 | 0 18 | 18 28 | 0 48 | 20 14 | 0 28 | 20 54 | 0 32 | 21 20 | 1 33 | 12 7 | 15 48 | 22 5 | 22 18 | 11 46 | 10 5 | 0 42 |
| W 8 | 7 18 | 16 41 | 2 52 | 3 52 | 2 20 | 5 35 | 1 21 | 12 1 | 0 17 | 18 32 | 0 48 | 20 14 | 0 27 | 20 54 | 0 32 | 21 20 | 1 33 | 12 8 | 15 48 | 22 4 | 22 17 | 11 44 | 10 6 | 0 42 |
| T 9 | 7 40 | 19 42 | 1 47 | 3 19 | 2 22 | 6 4 | 1 20 | 12 17 | 0 16 | 18 35 | 0 47 | 20 14 | 0 27 | 20 54 | 0 32 | 21 20 | 1 33 | 12 8 | 15 48 | 22 4 | 22 17 | 11 41 | 10 7 | 0 41 |
| F 10 | 8 2 | 21 33 | 0 38 | 2 44 | 2 23 | 6 33 | 1 19 | 12 33 | 0 16 | 18 38 | 0 47 | 20 13 | 0 27 | 20 54 | 0 32 | 21 19 | 1 33 | 12 9 | 15 48 | 22 3 | 22 17 | 11 39 | 10 9 | 0 41 |
| S 11 | 8 24 | 22 12 | 0s31 | 2 8 | 2 25 | 7 1 | 1 18 | 12 49 | 0 15 | 18 41 | 0 47 | 20 13 | 0 27 | 20 54 | 0 32 | 21 19 | 1 33 | 12 10 | 15 48 | 22 3 | 22 16 | 11 37 | 10 10 | 0 41 |
| S 12 | 8 47 | 21 43 | 1 36 | 1 32 | 2 26 | 7 30 | 1 17 | 13 5 | 0 14 | 18 44 | 0 47 | 20 12 | 0 27 | 20 53 | 0 32 | 21 19 | 1 33 | 12 10 | 15 48 | 22 4 | 22 16 | 11 34 | 10 11 | 0 41 |
| M13 | 9 8 | 20 11 | 2 36 | 0 55 | 2 26 | 7 58 | 1 16 | 13 21 | 0 14 | 18 47 | 0 47 | 20 12 | 0 27 | 20 53 | 0 32 | 21 19 | 1 33 | 12 11 | 15 48 | 22 4 | 22 15 | 11 32 | 10 12 | 0 41 |
| T 14 | 9 30 | 17 47 | 3 28 | 0 16 | 2 26 | 8 27 | 1 15 | 13 36 | 0 13 | 18 50 | 0 47 | 20 11 | 0 27 | 20 53 | 0 32 | 21 19 | 1 33 | 12 11 | 15 48 | 22 4 | 22 15 | 11 30 | 10 14 | 0 41 |
| W15 | 9 52 | 14 40 | 4 11 | 0n23 | 2 25 | 8 55 | 1 13 | 13 51 | 0 12 | 18 53 | 0 46 | 20 11 | 0 27 | 20 53 | 0 32 | 21 19 | 1 33 | 12 12 | 15 48 | 22 4 | 22 15 | 11 27 | 10 15 | 0 41 |
| T 16 | 10 13 | 10 58 | 4 42 | 1 3 | 2 24 | 9 23 | 1 12 | 14 7 | 0 12 | 18 56 | 0 46 | 20 11 | 0 27 | 20 53 | 0 32 | 21 19 | 1 33 | 12 12 | 15 48 | 22 3 | 22 14 | 11 25 | 10 16 | 0 41 |
| F 17 | 10 34 | 6 50 | 5 2 | 1 44 | 2 23 | 9 50 | 1 11 | 14 22 | 0 11 | 18 59 | 0 46 | 20 10 | 0 27 | 20 53 | 0 32 | 21 19 | 1 33 | 12 12 | 15 48 | 22 3 | 22 14 | 11 23 | 10 17 | 0 41 |
| S 18 | 10 55 | 2 25 | 5 9 | 2 26 | 2 21 | 10 18 | 1 9 | 14 37 | 0 10 | 19 2 | 0 46 | 20 10 | 0 27 | 20 53 | 0 32 | 21 19 | 1 33 | 12 13 | 15 47 | 22 2 | 22 13 | 11 20 | 10 19 | 0 41 |
| S 19 | 11 16 | 2s10 | 5 2 | 3 8 | 2 18 | 10 45 | 1 8 | 14 51 | 0 10 | 19 5 | 0 46 | 20 10 | 0 27 | 20 53 | 0 32 | 21 19 | 1 33 | 12 13 | 15 47 | 22 1 | 22 13 | 11 18 | 10 20 | 0 41 |
| M20 | 11 37 | 6 44 | 4 40 | 3 52 | 2 15 | 11 12 | 1 6 | 15 6 | 0 9 | 19 8 | 0 46 | 20 9 | 0 27 | 20 52 | 0 32 | 21 18 | 1 33 | 12 14 | 15 47 | 22 0 | 22 13 | 11 16 | 10 21 | 0 41 |
| T 21 | 11 57 | 11 6 | 4 5 | 4 36 | 2 11 | 11 39 | 1 5 | 15 20 | 0 8 | 19 11 | 0 46 | 20 9 | 0 27 | 20 52 | 0 32 | 21 18 | 1 33 | 12 14 | 15 47 | 21 59 | 22 12 | 11 13 | 10 22 | 0 41 |
| W22 | 12 18 | 15 4 | 3 17 | 5 20 | 2 7 | 12 5 | 1 3 | 15 35 | 0 7 | 19 14 | 0 46 | 20 9 | 0 27 | 20 52 | 0 32 | 21 18 | 1 33 | 12 15 | 15 47 | 21 58 | 22 12 | 11 11 | 10 23 | 0 41 |
| T 23 | 12 38 | 18 22 | 2 17 | 6 5 | 2 3 | 12 31 | 1 2 | 15 49 | 0 7 | 19 17 | 0 45 | 20 9 | 0 27 | 20 52 | 0 32 | 21 18 | 1 33 | 12 15 | 15 47 | 21 58 | 22 11 | 11 9 | 10 25 | 0 41 |
| F 24 | 12 57 | 20 45 | 1 9 | 6 51 | 1 58 | 12 57 | 1 0 | 16 3 | 0 6 | 19 20 | 0 45 | 20 8 | 0 27 | 20 52 | 0 32 | 21 18 | 1 33 | 12 15 | 15 46 | 21 57 | 22 11 | 11 6 | 10 26 | 0 40 |
| S 25 | 13 17 | 21 59 | 0n 4 | 7 38 | 1 53 | 13 22 | 0 58 | 16 16 | 0 5 | 19 23 | 0 45 | 20 8 | 0 27 | 20 51 | 0 32 | 21 18 | 1 33 | 12 16 | 15 46 | 21 57 | 22 11 | 11 4 | 10 27 | 0 40 |
| S 26 | 13 36 | 21 56 | 1 18 | 8 24 | 1 47 | 13 47 | 0 56 | 16 30 | 0 5 | 19 26 | 0 45 | 20 8 | 0 27 | 20 51 | 0 32 | 21 18 | 1 34 | 12 16 | 15 46 | 21 57 | 22 10 | 11 2 | 10 28 | 0 40 |
| M27 | 13 56 | 20 32 | 2 28 | 9 12 | 1 40 | 14 12 | 0 54 | 16 43 | 0 4 | 19 29 | 0 45 | 20 8 | 0 27 | 20 51 | 0 32 | 21 18 | 1 34 | 12 16 | 15 46 | 21 57 | 22 10 | 10 59 | 10 30 | 0 40 |
| T 28 | 14 15 | 17 53 | 3 31 | 9 59 | 1 33 | 14 37 | 0 53 | 16 56 | 0 3 | 19 32 | 0 45 | 20 8 | 0 27 | 20 51 | 0 32 | 21 17 | 1 34 | 12 17 | 15 46 | 21 58 | 22 9 | 10 57 | 10 31 | 0 40 |
| W29 | 14 33 | 14 9 | 4 21 | 10 47 | 1 26 | 15 1 | 0 51 | 17 10 | 0 3 | 19 35 | 0 45 | 20 8 | 0 27 | 20 50 | 0 32 | 21 17 | 1 34 | 12 17 | 15 45 | 21 58 | 22 9 | 10 55 | 10 32 | 0 40 |
| T 30 | 14n52 | 9s36 | 4n55 | 11n35 | 1s18 | 15n25 | 0s49 | 17n22 | 0s 2 | 19n38 | 0s45 | 20s 8 | 0n27 | 20n50 | 0n32 | 21s17 | 1n34 | 12n17 | 15n45 | 21s58 | 22s 9 | 10n52 | 10n33 | 0n40 |

Julian Day Number = 2802633.5, Delta T = 50m45s
Ecliptic obliquity = 23°18'51, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°11'44, Lahiri = 37°18'45


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# ASTRODIENST EPHEMERIS for the year 2961
# geocentric

## MAY 2961 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 38 11 | 11♉22'38 | 5♓45 | 6♉ 5 | 16♉ 1 | 19♉51 | 1♊44 | 27♑27 | 28♋41 | 18°R46 | 5°R29 | 10°R52 | 12♐12 | 18♌ 9 | 25♈53 | F 1 |
| S 2 | 14 42 8 | 12°21'24 | 20° 2 | 8° 7 | 17°15 | 20°36 | 1°58 | 27°27 | 28°43 | 18♐44 | 5♎28 | 10♐49 | 12° 8 | 18°16 | 25°57 | S 2 |
| S 3 | 14 46 5 | 13°20'08 | 4♈16 | 10°11 | 18°29 | 21°20 | 2°12 | 27°28 | 28°44 | 18°43 | 5°26 | 10°45 | 12° 5 | 18°22 | 26° 0 | S 3 |
| M 4 | 14 50 1 | 14°18'50 | 18°22 | 12°16 | 19°44 | 22° 5 | 2°26 | 27°28 | 28°46 | 18°42 | 5°25 | 10°41 | 12° 2 | 18°29 | 26° 4 | M 4 |
| T 5 | 14 53 58 | 15°17'31 | 2♉17 | 14°22 | 20°58 | 22°49 | 2°40 | 27°28 | 28°47 | 18°41 | 5°24 | 10°38 | 11°59 | 18°36 | 26° 7 | T 5 |
| W 6 | 14 57 54 | 16°16'09 | 15°57 | 16°29 | 22°12 | 23°34 | 2°54 | 27°R28 | 28°49 | 18°39 | 5°23 | 10°35 | 11°56 | 18°43 | 26°11 | W 6 |
| T 7 | 15 1 51 | 17°14'46 | 29°20 | 18°37 | 23°26 | 24°18 | 3° 8 | 27°28 | 28°50 | 18°38 | 5°22 | 10°33 | 11°53 | 18°49 | 26°14 | T 7 |
| F 8 | 15 5 47 | 18°13'21 | 12♊23 | 20°45 | 24°40 | 25° 2 | 3°22 | 27°28 | 28°52 | 18°37 | 5°21 | 10°D33 | 11°49 | 18°56 | 26°17 | F 8 |
| S 9 | 15 9 44 | 19°11'54 | 25° 7 | 22°54 | 25°54 | 25°47 | 3°36 | 27°28 | 28°54 | 18°35 | 5°20 | 10°34 | 11°46 | 19° 3 | 26°21 | S 9 |
| S 10 | 15 13 40 | 20°10'25 | 7♋34 | 25° 2 | 27° 9 | 26°31 | 3°50 | 27°27 | 28°56 | 18°34 | 5°19 | 10°35 | 11°43 | 19° 9 | 26°24 | S 10 |
| M11 | 15 17 37 | 21° 8'54 | 19°46 | 27°10 | 28°23 | 27°15 | 4° 4 | 27°27 | 28°57 | 18°33 | 5°17 | 10°37 | 11°40 | 19°16 | 26°27 | M11 |
| T 12 | 15 21 34 | 22° 7'21 | 1♌47 | 29°18 | 29°37 | 27°59 | 4°18 | 27°26 | 28°59 | 18°31 | 5°16 | 10°38 | 11°37 | 19°23 | 26°31 | T 12 |
| W13 | 15 25 30 | 23° 5'46 | 13°41 | 1♊25 | 0♊51 | 28°43 | 4°33 | 27°26 | 29° 1 | 18°30 | 5°16 | 10°39 | 11°33 | 19°29 | 26°34 | W13 |
| T 14 | 15 29 27 | 24° 4'09 | 25°34 | 3°30 | 2° 5 | 29°27 | 4°47 | 27°25 | 29° 3 | 18°28 | 5°15 | 10°R39 | 11°30 | 19°36 | 26°37 | T 14 |
| F 15 | 15 33 23 | 25° 2'30 | 7♍29 | 5°34 | 3°19 | 0♊11 | 5° 1 | 27°24 | 29° 5 | 18°27 | 5°14 | 10°39 | 11°27 | 19°43 | 26°40 | F 15 |
| S 16 | 15 37 20 | 26° 0'48 | 19°31 | 7°37 | 4°33 | 0°55 | 5°15 | 27°23 | 29° 7 | 18°25 | 5°13 | 10°38 | 11°24 | 19°50 | 26°44 | S 16 |
| S 17 | 15 41 16 | 26°59'05 | 1♎45 | 9°37 | 5°47 | 1°39 | 5°29 | 27°22 | 29° 9 | 18°24 | 5°12 | 10°36 | 11°21 | 19°56 | 26°47 | S 17 |
| M18 | 15 45 13 | 27°57'20 | 14°14 | 11°35 | 7° 1 | 2°23 | 5°43 | 27°21 | 29°11 | 18°22 | 5°11 | 10°34 | 11°18 | 20° 3 | 26°50 | M18 |
| T 19 | 15 49 9 | 28°55'33 | 27° 0 | 13°30 | 8°15 | 3° 7 | 5°58 | 27°20 | 29°13 | 18°21 | 5°10 | 10°33 | 11°14 | 20°10 | 26°53 | T 19 |
| W20 | 15 53 6 | 29°53'44 | 10♏ 6 | 15°23 | 9°29 | 3°50 | 6°12 | 27°19 | 29°16 | 18°19 | 5° 9 | 10°31 | 11°11 | 20°16 | 26°56 | W20 |
| T 21 | 15 57 3 | 0♊51'53 | 23°30 | 17°12 | 10°43 | 4°34 | 6°26 | 27°17 | 29°18 | 18°18 | 5° 9 | 10°30 | 11° 8 | 20°23 | 26°59 | T 21 |
| F 22 | 16 0 59 | 1°50'01 | 7♐12 | 18°59 | 11°57 | 5°18 | 6°40 | 27°16 | 29°20 | 18°16 | 5° 8 | 10°D30 | 11° 5 | 20°30 | 27° 2 | F 22 |
| S 23 | 16 4 56 | 2°48'07 | 21° 9 | 20°42 | 13°10 | 6° 1 | 6°55 | 27°14 | 29°23 | 18°15 | 5° 7 | 10°30 | 11° 2 | 20°37 | 27° 5 | S 23 |
| S 24 | 16 8 52 | 3°46'11 | 5♑18 | 22°22 | 14°24 | 6°45 | 7° 9 | 27°12 | 29°25 | 18°13 | 5° 7 | 10°31 | 10°59 | 20°43 | 27° 8 | S 24 |
| M25 | 16 12 49 | 4°44'15 | 19°35 | 23°58 | 15°38 | 7°28 | 7°23 | 27°11 | 29°27 | 18°12 | 5° 6 | 10°31 | 10°55 | 20°50 | 27°11 | M25 |
| T 26 | 16 16 45 | 5°42'16 | 3♒56 | 25°31 | 16°52 | 8°12 | 7°37 | 27° 9 | 29°30 | 18°10 | 5° 5 | 10°32 | 10°52 | 20°57 | 27°14 | T 26 |
| W27 | 16 20 42 | 6°40'17 | 18°16 | 27° 0 | 18° 6 | 8°55 | 7°52 | 27° 7 | 29°32 | 18° 9 | 5° 5 | 10°32 | 10°49 | 21° 3 | 27°17 | W27 |
| T 28 | 16 24 38 | 7°38'16 | 2♓33 | 28°25 | 19°19 | 9°38 | 8° 6 | 27° 5 | 29°35 | 18° 7 | 5° 4 | 10°R32 | 10°46 | 21°10 | 27°20 | T 28 |
| F 29 | 16 28 35 | 8°36'14 | 16°44 | 29°46 | 20°33 | 10°22 | 8°20 | 27° 3 | 29°37 | 18° 5 | 5° 4 | 10°32 | 10°43 | 21°17 | 27°23 | F 29 |
| S 30 | 16 32 32 | 9°34'11 | 0♈46 | 1♋ 4 | 21°47 | 11° 5 | 8°34 | 27° 1 | 29°40 | 18° 4 | 5° 3 | 10°32 | 10°39 | 21°24 | 27°26 | S 30 |
| S 31 | 16 36 28 | 10♊32'06 | 14♈37 | 2♋18 | 23♊ 1 | 11♊48 | 8♊49 | 26♑58 | 29♋43 | 18♐ 2 | 5♎ 3 | 10°D32 | 10♐36 | 21♌30 | 27♈29 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15n10 | 4s31 | 5n12 | 12n23 | 1s10 | 15n48 | 0s47 | 17n35 | 0s 1 | 19n41 | 0s44 | 20s 8 | 0n27 | 20n50 | 0n32 | 21s17 | 1n34 | 12n17 | 15n45 | 21s57 | 22s 8 | 10n50 | 10n34 | 0n40 |
| S 2 | 15 28 | 0n49 | 5 9 | 13 11 | 1 1 | 16 11 | 0 45 | 17 48 | 0 1 | 19 43 | 0 44 | 20 7 | 0 27 | 20 49 | 0 31 | 21 17 | 1 34 | 12 18 | 15 45 | 21 57 | 22 8 | 10 47 | 10 36 | 0 40 |
| S 3 | 15 46 | 6 5 | 4 47 | 13 59 | 0 52 | 16 33 | 0 43 | 18 0 | 0 0 | 19 46 | 0 44 | 20 7 | 0 27 | 20 49 | 0 31 | 21 17 | 1 34 | 12 18 | 15 44 | 21 56 | 22 7 | 10 45 | 10 37 | 0 40 |
| M 4 | 16 3 | 10 59 | 4 8 | 14 46 | 0 42 | 16 55 | 0 41 | 18 12 | 0n 1 | 19 49 | 0 44 | 20 7 | 0 27 | 20 49 | 0 31 | 21 17 | 1 34 | 12 18 | 15 44 | 21 56 | 22 7 | 10 43 | 10 38 | 0 40 |
| T 5 | 16 20 | 15 15 | 3 15 | 15 33 | 0 33 | 17 17 | 0 38 | 18 24 | 0 1 | 19 52 | 0 44 | 20 7 | 0 27 | 20 48 | 0 31 | 21 17 | 1 34 | 12 18 | 15 44 | 21 55 | 22 6 | 10 40 | 10 39 | 0 40 |
| W 6 | 16 37 | 18 37 | 2 11 | 16 19 | 0 22 | 17 38 | 0 36 | 18 36 | 0 2 | 19 55 | 0 44 | 20 7 | 0 27 | 20 48 | 0 31 | 21 16 | 1 34 | 12 19 | 15 44 | 21 55 | 22 6 | 10 38 | 10 40 | 0 40 |
| T 7 | 16 54 | 20 54 | 1 1 | 17 5 | 0 12 | 17 59 | 0 34 | 18 47 | 0 3 | 19 57 | 0 44 | 20 7 | 0 27 | 20 48 | 0 31 | 21 16 | 1 34 | 12 19 | 15 43 | 21 55 | 22 6 | 10 36 | 10 41 | 0 40 |
| F 8 | 17 10 | 22 0 | 0s10 | 17 49 | 0 2 | 18 19 | 0 32 | 18 59 | 0 3 | 20 0 | 0 44 | 20 8 | 0 27 | 20 47 | 0 31 | 21 16 | 1 34 | 12 19 | 15 43 | 21 55 | 22 5 | 10 33 | 10 43 | 0 40 |
| S 9 | 17 26 | 21 54 | 1 19 | 18 33 | 0n 9 | 18 39 | 0 30 | 19 10 | 0 4 | 20 3 | 0 44 | 20 8 | 0 26 | 20 47 | 0 31 | 21 16 | 1 34 | 12 19 | 15 43 | 21 55 | 22 5 | 10 31 | 10 44 | 0 40 |
| S 10 | 17 42 | 20 43 | 2 23 | 19 15 | 0 20 | 18 58 | 0 27 | 19 21 | 0 4 | 20 6 | 0 44 | 20 8 | 0 26 | 20 47 | 0 31 | 21 16 | 1 34 | 12 19 | 15 42 | 21 55 | 22 4 | 10 29 | 10 45 | 0 39 |
| M11 | 17 57 | 18 34 | 3 20 | 19 55 | 0 30 | 19 17 | 0 25 | 19 32 | 0 5 | 20 8 | 0 43 | 20 8 | 0 26 | 20 46 | 0 31 | 21 16 | 1 34 | 12 19 | 15 42 | 21 55 | 22 4 | 10 26 | 10 46 | 0 39 |
| T 12 | 18 12 | 15 39 | 4 6 | 20 34 | 0 41 | 19 35 | 0 23 | 19 42 | 0 6 | 20 11 | 0 43 | 20 8 | 0 26 | 20 46 | 0 31 | 21 16 | 1 34 | 12 19 | 15 42 | 21 55 | 22 4 | 10 24 | 10 47 | 0 39 |
| W13 | 18 27 | 12 8 | 4 42 | 21 10 | 0 51 | 19 53 | 0 20 | 19 52 | 0 6 | 20 14 | 0 43 | 20 8 | 0 26 | 20 45 | 0 31 | 21 15 | 1 34 | 12 19 | 15 41 | 21 56 | 22 3 | 10 22 | 10 48 | 0 39 |
| T 14 | 18 41 | 8 8 | 5 5 | 21 45 | 1 1 | 20 10 | 0 18 | 20 3 | 0 7 | 20 16 | 0 43 | 20 8 | 0 26 | 20 45 | 0 31 | 21 15 | 1 34 | 12 20 | 15 41 | 21 56 | 22 3 | 10 19 | 10 49 | 0 39 |
| F 15 | 18 56 | 3 50 | 5 15 | 22 17 | 1 11 | 20 27 | 0 16 | 20 13 | 0 8 | 20 19 | 0 43 | 20 9 | 0 26 | 20 45 | 0 31 | 21 15 | 1 34 | 12 20 | 15 41 | 21 56 | 22 2 | 10 17 | 10 51 | 0 39 |
| S 16 | 19 9 | 0s40 | 5 12 | 22 47 | 1 21 | 20 43 | 0 13 | 20 22 | 0 8 | 20 22 | 0 43 | 20 9 | 0 26 | 20 44 | 0 31 | 21 15 | 1 34 | 12 20 | 15 40 | 21 55 | 22 2 | 10 14 | 10 52 | 0 39 |
| S 17 | 19 23 | 5 12 | 4 55 | 23 15 | 1 30 | 20 59 | 0 11 | 20 32 | 0 9 | 20 24 | 0 43 | 20 9 | 0 26 | 20 44 | 0 31 | 21 15 | 1 34 | 12 20 | 15 40 | 21 55 | 22 1 | 10 12 | 10 53 | 0 39 |
| M18 | 19 36 | 9 38 | 4 23 | 23 40 | 1 38 | 21 14 | 0 9 | 20 41 | 0 10 | 20 27 | 0 43 | 20 9 | 0 26 | 20 43 | 0 31 | 21 15 | 1 34 | 12 20 | 15 40 | 21 55 | 22 1 | 10 10 | 10 54 | 0 39 |
| T 19 | 19 49 | 13 45 | 3 38 | 24 3 | 1 46 | 21 28 | 0 6 | 20 50 | 0 10 | 20 29 | 0 43 | 20 9 | 0 26 | 20 43 | 0 31 | 21 15 | 1 34 | 12 20 | 15 39 | 21 55 | 22 0 | 10 7 | 10 55 | 0 39 |
| W20 | 20 1 | 17 18 | 2 40 | 24 23 | 1 53 | 21 42 | 0 4 | 20 59 | 0 11 | 20 32 | 0 43 | 20 10 | 0 26 | 20 42 | 0 31 | 21 14 | 1 34 | 12 20 | 15 39 | 21 54 | 22 0 | 10 5 | 10 56 | 0 39 |
| T 21 | 20 13 | 20 3 | 1 33 | 24 41 | 2 0 | 21 55 | 0 1 | 21 8 | 0 12 | 20 34 | 0 43 | 20 10 | 0 26 | 20 42 | 0 31 | 21 14 | 1 34 | 12 20 | 15 39 | 21 54 | 22 0 | 10 3 | 10 57 | 0 39 |
| F 22 | 20 25 | 21 42 | 0 18 | 24 56 | 2 5 | 22 7 | 0n 1 | 21 16 | 0 12 | 20 37 | 0 42 | 20 10 | 0 26 | 20 41 | 0 31 | 21 14 | 1 34 | 12 20 | 15 38 | 21 54 | 21 59 | 10 0 | 10 58 | 0 39 |
| S 23 | 20 37 | 22 3 | 0n59 | 25 9 | 2 10 | 22 19 | 0 4 | 21 25 | 0 13 | 20 39 | 0 42 | 20 11 | 0 26 | 20 41 | 0 31 | 21 14 | 1 34 | 12 20 | 15 38 | 21 54 | 21 59 | 9 58 | 10 59 | 0 39 |
| S 24 | 20 48 | 20 59 | 2 13 | 25 20 | 2 14 | 22 31 | 0 6 | 21 33 | 0 13 | 20 42 | 0 42 | 20 11 | 0 26 | 20 40 | 0 31 | 21 14 | 1 34 | 12 19 | 15 38 | 21 54 | 21 58 | 9 55 | 11 0 | 0 39 |
| M25 | 20 58 | 18 35 | 3 20 | 25 28 | 2 18 | 22 41 | 0 9 | 21 40 | 0 14 | 20 44 | 0 42 | 20 12 | 0 26 | 20 40 | 0 31 | 21 14 | 1 34 | 12 19 | 15 37 | 21 54 | 21 58 | 9 53 | 11 1 | 0 39 |
| T 26 | 21 9 | 15 2 | 4 15 | 25 34 | 2 20 | 22 51 | 0 11 | 21 48 | 0 15 | 20 46 | 0 42 | 20 12 | 0 26 | 20 39 | 0 31 | 21 14 | 1 34 | 12 19 | 15 37 | 21 55 | 21 57 | 9 51 | 11 2 | 0 39 |
| W27 | 21 19 | 10 37 | 4 54 | 25 38 | 2 22 | 23 0 | 0 13 | 21 55 | 0 15 | 20 49 | 0 42 | 20 12 | 0 26 | 20 39 | 0 31 | 21 13 | 1 34 | 12 19 | 15 37 | 21 55 | 21 57 | 9 48 | 11 3 | 0 39 |
| T 28 | 21 28 | 5 37 | 5 14 | 25 40 | 2 22 | 23 9 | 0 16 | 22 3 | 0 16 | 20 51 | 0 42 | 20 13 | 0 26 | 20 38 | 0 31 | 21 13 | 1 34 | 12 19 | 15 36 | 21 55 | 21 57 | 9 46 | 11 4 | 0 39 |
| F 29 | 21 37 | 0 22 | 5 15 | 25 41 | 2 22 | 23 17 | 0 18 | 22 9 | 0 17 | 20 53 | 0 42 | 20 13 | 0 26 | 20 38 | 0 31 | 21 13 | 1 34 | 12 19 | 15 36 | 21 55 | 21 56 | 9 44 | 11 5 | 0 38 |
| S 30 | 21 46 | 4n51 | 4 58 | 25 39 | 2 21 | 23 24 | 0 21 | 22 16 | 0 17 | 20 56 | 0 42 | 20 14 | 0 26 | 20 37 | 0 31 | 21 13 | 1 34 | 12 19 | 15 35 | 21 55 | 21 56 | 9 41 | 11 6 | 0 38 |
| S 31 | 21n55 | 9n46 | 4n23 | 25n36 | 2n19 | 23n31 | 0n23 | 22n23 | 0n18 | 20n58 | 0s42 | 20s14 | 0n26 | 20n37 | 0n31 | 21s13 | 1n34 | 12n19 | 15n35 | 21s55 | 21s55 | 9n39 | 11n 7 | 0n38 |

Julian Day Number = 2802663.5, Delta T = 50m45s
Ecliptic obliquity = 23°18'50, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°11'48, Lahiri = 37°18'49


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# ASTRODIENST EPHEMERIS for the year 2961
# geocentric

## JUNE 2961 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 40 25 | 11♊30'01 | 28♈18 | 3♋27 | 24♊14 | 12♊31 | 9♊ 3 | 26°R56 | 29♋45 | 18°R 1 | 5°R 2 | 10♐32 | 10♐33 | 21♌37 | 27♈32 | M 1 |
| T 2 | 16 44 21 | 12°27'54 | 11♉45 | 4°33 | 25°28 | 13°14 | 9°17 | 26♏53 | 29°48 | 17♐59 | 5♎ 2 | 10°32 | 10°30 | 21°44 | 27°34 | T 2 |
| W 3 | 16 48 18 | 13°25'46 | 25° 0 | 5°35 | 26°42 | 13°57 | 9°31 | 26°51 | 29°51 | 17°57 | 5° 1 | 10°32 | 10°27 | 21°50 | 27°37 | W 3 |
| T 4 | 16 52 14 | 14°23'37 | 8♊ 0 | 6°32 | 27°55 | 14°40 | 9°45 | 26°48 | 29°53 | 17°56 | 5° 1 | 10°R32 | 10°24 | 21°57 | 27°40 | T 4 |
| F 5 | 16 56 11 | 15°21'26 | 20°46 | 7°25 | 29° 9 | 15°23 | 10° 0 | 26°46 | 29°56 | 17°54 | 5° 1 | 10°32 | 10°20 | 22° 4 | 27°42 | F 5 |
| S 6 | 17 0 7 | 16°19'14 | 3♋18 | 8°14 | 0♋23 | 16° 6 | 10°14 | 26°43 | 29°59 | 17°52 | 5° 0 | 10°32 | 10°17 | 22°11 | 27°45 | S 6 |
| S 7 | 17 4 4 | 17°17'01 | 15°37 | 8°59 | 1°36 | 16°49 | 10°28 | 26°40 | 0♌ 2 | 17°51 | 5° 0 | 10°31 | 10°14 | 22°17 | 27°47 | S 7 |
| M 8 | 17 8 1 | 18°14'46 | 27°45 | 9°39 | 2°50 | 17°31 | 10°42 | 26°37 | 0° 5 | 17°49 | 5° 0 | 10°30 | 10°11 | 22°24 | 27°50 | M 8 |
| T 9 | 17 11 57 | 19°12'30 | 9♌45 | 10°15 | 4° 4 | 18°14 | 10°56 | 26°34 | 0° 8 | 17°48 | 5° 0 | 10°29 | 10° 8 | 22°31 | 27°53 | T 9 |
| W10 | 17 15 54 | 20°10'12 | 21°39 | 10°46 | 5°17 | 18°57 | 11°11 | 26°31 | 0°11 | 17°46 | 5° 0 | 10°28 | 10° 5 | 22°38 | 27°55 | W10 |
| T 11 | 17 19 50 | 21° 7'53 | 3♍32 | 11°12 | 6°31 | 19°39 | 11°25 | 26°28 | 0°14 | 17°44 | 4°59 | 10°27 | 10° 1 | 22°44 | 27°57 | T 11 |
| F 12 | 17 23 47 | 22° 5'32 | 15°26 | 11°34 | 7°44 | 20°22 | 11°39 | 26°25 | 0°17 | 17°43 | 4°59 | 10°27 | 9°58 | 22°51 | 28° 0 | F 12 |
| S 13 | 17 27 43 | 23° 3'10 | 27°28 | 11°51 | 8°58 | 21° 4 | 11°53 | 26°21 | 0°20 | 17°41 | 4°59 | 10°D27 | 9°55 | 22°58 | 28° 2 | S 13 |
| S 14 | 17 31 40 | 24° 0'46 | 9♎41 | 12° 4 | 10°11 | 21°47 | 12° 7 | 26°18 | 0°23 | 17°39 | 4°59 | 10°27 | 9°52 | 23° 4 | 28° 4 | S 14 |
| M15 | 17 35 36 | 24°58'21 | 22° 9 | 12°12 | 11°25 | 22°29 | 12°21 | 26°15 | 0°26 | 17°38 | 4°D59 | 10°28 | 9°49 | 23°11 | 28° 7 | M15 |
| T 16 | 17 39 33 | 25°55'55 | 4♏57 | 12°R15 | 12°38 | 23°11 | 12°35 | 26°11 | 0°29 | 17°36 | 4°59 | 10°29 | 9°45 | 23°18 | 28° 9 | T 16 |
| W17 | 17 43 30 | 26°53'28 | 18° 8 | 12°13 | 13°51 | 23°54 | 12°49 | 26° 8 | 0°32 | 17°35 | 4°59 | 10°30 | 9°42 | 23°25 | 28°11 | W17 |
| T 18 | 17 47 26 | 27°50'59 | 1♐42 | 12° 8 | 15° 5 | 24°36 | 13° 3 | 26° 4 | 0°35 | 17°33 | 4°59 | 10°31 | 9°39 | 23°31 | 28°13 | T 18 |
| F 19 | 17 51 23 | 28°48'30 | 15°40 | 11°57 | 16°18 | 25°18 | 13°17 | 26° 0 | 0°39 | 17°31 | 4°59 | 10°R31 | 9°36 | 23°38 | 28°15 | F 19 |
| S 20 | 17 55 19 | 29°45'59 | 29°58 | 11°43 | 17°32 | 26° 0 | 13°31 | 25°57 | 0°42 | 17°30 | 5° 0 | 10°31 | 9°33 | 23°45 | 28°17 | S 20 |
| S 21 | 17 59 16 | 0♋43'27 | 14♑33 | 11°25 | 18°45 | 26°42 | 13°45 | 25°53 | 0°45 | 17°28 | 5° 0 | 10°29 | 9°30 | 23°51 | 28°20 | S 21 |
| M22 | 18 3 12 | 1°40'55 | 29°18 | 11° 3 | 19°58 | 27°24 | 13°59 | 25°49 | 0°48 | 17°27 | 5° 0 | 10°26 | 9°26 | 23°58 | 28°22 | M22 |
| T 23 | 18 7 9 | 2°38'22 | 14♒ 4 | 10°38 | 21°12 | 28° 6 | 14°13 | 25°45 | 0°52 | 17°25 | 5° 0 | 10°24 | 9°23 | 24° 5 | 28°23 | T 23 |
| W24 | 18 11 6 | 3°35'48 | 28°46 | 10°11 | 22°25 | 28°48 | 14°26 | 25°41 | 0°55 | 17°24 | 5° 1 | 10°21 | 9°20 | 24°12 | 28°25 | W24 |
| T 25 | 18 15 2 | 4°33'13 | 13♓18 | 9°41 | 23°38 | 29°30 | 14°40 | 25°37 | 0°58 | 17°22 | 5° 1 | 10°19 | 9°17 | 24°18 | 28°27 | T 25 |
| F 26 | 18 18 59 | 5°30'38 | 27°33 | 9° 9 | 24°51 | 0♋12 | 14°54 | 25°33 | 1° 2 | 17°21 | 5° 1 | 10°17 | 9°14 | 24°25 | 28°29 | F 26 |
| S 27 | 18 22 55 | 6°28'02 | 11♈32 | 8°36 | 26° 5 | 0°54 | 15° 8 | 25°29 | 1° 5 | 17°19 | 5° 2 | 10°D17 | 9°11 | 24°32 | 28°31 | S 27 |
| S 28 | 18 26 52 | 7°25'26 | 25°12 | 8° 2 | 27°18 | 1°35 | 15°21 | 25°25 | 1° 8 | 17°18 | 5° 2 | 10°18 | 9° 7 | 24°38 | 28°33 | S 28 |
| M29 | 18 30 48 | 8°22'50 | 8♉35 | 7°29 | 28°31 | 2°17 | 15°35 | 25°21 | 1°12 | 17°16 | 5° 2 | 10°20 | 9° 4 | 24°45 | 28°34 | M29 |
| T 30 | 18 34 45 | 9♋20'13 | 21♉41 | 6♋55 | 29♋44 | 2♋59 | 15♊49 | 25♏17 | 1♌15 | 17♐15 | 5♎ 3 | 10♐21 | 9♐ 1 | 24♌52 | 28♈36 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n 3 | 14n 8 | 3n33 | 25n32 | 2n16 | 23n37 | 0n26 | 22n29 | 0n18 | 21n 0 | 0s42 | 20s15 | 0n25 | 20n36 | 0n31 | 21s13 | 1n34 | 12n18 | 15n35 | 21s55 | 21s55 | 9n36 | 11n 8 | 0n38 |
| T 2 | 22 10 | 17 42 | 2 33 | 25 26 | 2 12 | 23 42 | 0 28 | 22 35 | 0 19 | 21 2 | 0 42 | 20 15 | 0 25 | 20 35 | 0 31 | 21 13 | 1 34 | 12 18 | 15 34 | 21 55 | 21 54 | 9 34 | 11 9 | 0 38 |
| W 3 | 22 18 | 20 18 | 1 25 | 25 18 | 2 7 | 23 47 | 0 30 | 22 41 | 0 20 | 21 5 | 0 42 | 20 16 | 0 25 | 20 35 | 0 31 | 21 12 | 1 34 | 12 18 | 15 34 | 21 55 | 21 54 | 9 32 | 11 10 | 0 38 |
| T 4 | 22 24 | 21 46 | 0 14 | 25 10 | 2 1 | 23 51 | 0 33 | 22 46 | 0 20 | 21 7 | 0 41 | 20 16 | 0 25 | 20 34 | 0 31 | 21 12 | 1 34 | 12 18 | 15 33 | 21 55 | 21 53 | 9 29 | 11 11 | 0 38 |
| F 5 | 22 31 | 22 3 | 0s56 | 25 0 | 1 54 | 23 54 | 0 35 | 22 52 | 0 21 | 21 9 | 0 41 | 20 17 | 0 25 | 20 34 | 0 31 | 21 12 | 1 34 | 12 17 | 15 33 | 21 55 | 21 53 | 9 27 | 11 12 | 0 38 |
| S 6 | 22 37 | 21 14 | 2 3 | 24 50 | 1 46 | 23 56 | 0 37 | 22 57 | 0 21 | 21 11 | 0 41 | 20 17 | 0 25 | 20 33 | 0 31 | 21 12 | 1 34 | 12 17 | 15 32 | 21 55 | 21 52 | 9 25 | 11 13 | 0 38 |
| S 7 | 22 43 | 19 23 | 3 2 | 24 38 | 1 38 | 23 58 | 0 40 | 23 2 | 0 22 | 21 13 | 0 41 | 20 18 | 0 25 | 20 32 | 0 31 | 21 12 | 1 34 | 12 17 | 15 32 | 21 54 | 21 52 | 9 22 | 11 14 | 0 38 |
| M 8 | 22 48 | 16 42 | 3 53 | 24 26 | 1 28 | 23 59 | 0 42 | 23 6 | 0 23 | 21 15 | 0 41 | 20 19 | 0 25 | 20 32 | 0 31 | 21 12 | 1 34 | 12 17 | 15 32 | 21 54 | 21 52 | 9 20 | 11 14 | 0 38 |
| T 9 | 22 53 | 13 20 | 4 32 | 24 13 | 1 18 | 23 59 | 0 44 | 23 11 | 0 23 | 21 17 | 0 41 | 20 19 | 0 25 | 20 31 | 0 31 | 21 12 | 1 34 | 12 16 | 15 31 | 21 54 | 21 51 | 9 17 | 11 15 | 0 38 |
| W10 | 22 57 | 9 29 | 5 0 | 23 59 | 1 6 | 23 59 | 0 47 | 23 15 | 0 24 | 21 19 | 0 41 | 20 20 | 0 25 | 20 31 | 0 31 | 21 11 | 1 34 | 12 16 | 15 31 | 21 54 | 21 51 | 9 15 | 11 16 | 0 38 |
| T 11 | 23 1 | 5 16 | 5 14 | 23 44 | 0 54 | 23 58 | 0 49 | 23 19 | 0 24 | 21 21 | 0 41 | 20 21 | 0 25 | 20 30 | 0 31 | 21 11 | 1 34 | 12 16 | 15 30 | 21 54 | 21 50 | 9 13 | 11 17 | 0 38 |
| F 12 | 23 5 | 0 52 | 5 15 | 23 30 | 0 41 | 23 56 | 0 51 | 23 23 | 0 25 | 21 23 | 0 41 | 20 21 | 0 25 | 20 29 | 0 31 | 21 11 | 1 34 | 12 15 | 15 30 | 21 54 | 21 50 | 9 10 | 11 18 | 0 38 |
| S 13 | 23 8 | 3s38 | 5 3 | 23 14 | 0 27 | 23 54 | 0 53 | 23 26 | 0 26 | 21 25 | 0 41 | 20 22 | 0 25 | 20 29 | 0 31 | 21 11 | 1 34 | 12 15 | 15 29 | 21 54 | 21 49 | 9 8 | 11 19 | 0 38 |
| S 14 | 23 11 | 8 3 | 4 36 | 22 59 | 0 13 | 23 51 | 0 55 | 23 30 | 0 26 | 21 27 | 0 41 | 20 23 | 0 25 | 20 28 | 0 31 | 21 11 | 1 34 | 12 14 | 15 29 | 21 54 | 21 49 | 9 6 | 11 19 | 0 38 |
| M15 | 23 13 | 12 14 | 3 56 | 22 43 | 0s 3 | 23 47 | 0 57 | 23 33 | 0 27 | 21 29 | 0 41 | 20 23 | 0 25 | 20 27 | 0 31 | 21 11 | 1 34 | 12 14 | 15 29 | 21 54 | 21 48 | 9 3 | 11 20 | 0 38 |
| T 16 | 23 15 | 16 0 | 3 4 | 22 27 | 0 18 | 23 42 | 0 59 | 23 36 | 0 27 | 21 31 | 0 41 | 20 24 | 0 25 | 20 27 | 0 31 | 21 11 | 1 34 | 12 14 | 15 28 | 21 54 | 21 48 | 9 1 | 11 21 | 0 38 |
| W17 | 23 17 | 19 4 | 2 1 | 22 11 | 0 35 | 23 37 | 1 1 | 23 38 | 0 28 | 21 33 | 0 41 | 20 25 | 0 25 | 20 26 | 0 31 | 21 10 | 1 34 | 12 13 | 15 28 | 21 54 | 21 47 | 8 58 | 11 22 | 0 38 |
| T 18 | 23 18 | 21 11 | 0 49 | 21 54 | 0 52 | 23 31 | 1 3 | 23 41 | 0 28 | 21 34 | 0 41 | 20 25 | 0 25 | 20 25 | 0 31 | 21 10 | 1 34 | 12 13 | 15 27 | 21 54 | 21 47 | 8 56 | 11 22 | 0 38 |
| F 19 | 23 18 | 22 5 | 0n28 | 21 38 | 1 9 | 23 24 | 1 5 | 23 43 | 0 29 | 21 36 | 0 41 | 20 26 | 0 24 | 20 25 | 0 31 | 21 10 | 1 34 | 12 12 | 15 27 | 21 54 | 21 46 | 8 54 | 11 23 | 0 38 |
| S 20 | 23 19 | 21 34 | 1 45 | 21 22 | 1 26 | 23 17 | 1 7 | 23 45 | 0 30 | 21 38 | 0 41 | 20 27 | 0 24 | 20 24 | 0 31 | 21 10 | 1 34 | 12 12 | 15 26 | 21 54 | 21 46 | 8 51 | 11 24 | 0 37 |
| S 21 | 23 19 | 19 36 | 2 57 | 21 7 | 1 43 | 23 9 | 1 9 | 23 47 | 0 30 | 21 40 | 0 41 | 20 28 | 0 24 | 20 23 | 0 31 | 21 10 | 1 34 | 12 11 | 15 26 | 21 54 | 21 45 | 8 49 | 11 24 | 0 37 |
| M22 | 23 18 | 16 19 | 3 57 | 20 51 | 2 1 | 23 0 | 1 11 | 23 48 | 0 31 | 21 41 | 0 40 | 20 28 | 0 24 | 20 22 | 0 31 | 21 10 | 1 34 | 12 11 | 15 26 | 21 54 | 21 45 | 8 46 | 11 25 | 0 37 |
| T 23 | 23 17 | 12 1 | 4 42 | 20 36 | 2 18 | 22 51 | 1 13 | 23 49 | 0 31 | 21 43 | 0 40 | 20 29 | 0 24 | 20 22 | 0 31 | 21 10 | 1 34 | 12 10 | 15 25 | 21 53 | 21 45 | 8 44 | 11 26 | 0 37 |
| W24 | 23 16 | 7 1 | 5 8 | 20 21 | 2 35 | 22 41 | 1 14 | 23 50 | 0 32 | 21 45 | 0 40 | 20 30 | 0 24 | 20 21 | 0 31 | 21 10 | 1 34 | 12 10 | 15 25 | 21 53 | 21 44 | 8 42 | 11 26 | 0 37 |
| T 25 | 23 14 | 1 42 | 5 14 | 20 7 | 2 51 | 22 30 | 1 16 | 23 51 | 0 32 | 21 46 | 0 40 | 20 31 | 0 24 | 20 20 | 0 31 | 21 9 | 1 34 | 12 9 | 15 24 | 21 53 | 21 44 | 8 39 | 11 27 | 0 37 |
| F 26 | 23 12 | 3n38 | 5 0 | 19 54 | 3 6 | 22 19 | 1 18 | 23 52 | 0 33 | 21 48 | 0 40 | 20 32 | 0 24 | 20 19 | 0 31 | 21 9 | 1 34 | 12 9 | 15 24 | 21 52 | 21 43 | 8 37 | 11 28 | 0 37 |
| S 27 | 23 9 | 8 40 | 4 29 | 19 41 | 3 21 | 22 7 | 1 19 | 23 52 | 0 33 | 21 49 | 0 40 | 20 32 | 0 24 | 20 19 | 0 31 | 21 9 | 1 34 | 12 8 | 15 23 | 21 52 | 21 43 | 8 34 | 11 28 | 0 37 |
| S 28 | 23 6 | 13 10 | 3 43 | 19 30 | 3 35 | 21 55 | 1 21 | 23 52 | 0 34 | 21 51 | 0 40 | 20 33 | 0 24 | 20 18 | 0 31 | 21 9 | 1 34 | 12 8 | 15 23 | 21 53 | 21 42 | 8 32 | 11 29 | 0 37 |
| M29 | 23 3 | 16 54 | 2 46 | 19 19 | 3 48 | 21 42 | 1 22 | 23 52 | 0 35 | 21 52 | 0 40 | 20 34 | 0 24 | 20 17 | 0 31 | 21 9 | 1 34 | 12 7 | 15 23 | 21 53 | 21 42 | 8 30 | 11 29 | 0 37 |
| T 30 | 22n59 | 19n43 | 1n41 | 19n 9 | 3s59 | 21n28 | 1n24 | 23n52 | 0n35 | 21n54 | 0s40 | 20s35 | 0n24 | 20n17 | 0n31 | 21s 9 | 1n34 | 12n 7 | 15n22 | 21s53 | 21s41 | 8n27 | 11n30 | 0n37 |

Julian Day Number = 2802694.5, Delta T = 50m46s
Ecliptic obliquity = 23°18'49, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°11'53, Lahiri = 37°18'53


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# ASTRODIENST EPHEMERIS for the year 2961
# geocentric

## JULY 2961 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 38 41 | 10♋17'36 | 4♊34 | 6°R23 | 0♌57 | 3♋40 | 16♊ 2 | 25°R13 | 1♌19 | 17°R13 | 5♎ 3 | 10°R22 | 8♐58 | 24♌59 | 28♈37 | W 1 |
| T 2 | 18 42 38 | 11°14'58 | 17°13 | 5♋52 | 2°10 | 4°22 | 16°16 | 25♂ 9 | 1°22 | 17♐12 | 5° 4 | 10♐22 | 8°55 | 25° 5 | 28°39 | T 2 |
| F 3 | 18 46 35 | 12°12'20 | 29°41 | 5°24 | 3°24 | 5° 3 | 16°29 | 25° 4 | 1°26 | 17°10 | 5° 5 | 10°20 | 8°51 | 25°12 | 28°40 | F 3 |
| S 4 | 18 50 31 | 13° 9'41 | 11♋58 | 4°58 | 4°37 | 5°45 | 16°43 | 25° 0 | 1°29 | 17° 9 | 5° 5 | 10°17 | 8°48 | 25°19 | 28°42 | S 4 |
| S 5 | 18 54 28 | 14° 7'02 | 24° 8 | 4°35 | 5°50 | 6°26 | 16°56 | 24°56 | 1°33 | 17° 7 | 5° 6 | 10°13 | 8°45 | 25°25 | 28°43 | S 5 |
| M 6 | 18 58 24 | 15° 4'22 | 6♌ 9 | 4°15 | 7° 3 | 7° 8 | 17° 9 | 24°51 | 1°36 | 17° 6 | 5° 6 | 10° 7 | 8°42 | 25°32 | 28°45 | M 6 |
| T 7 | 19 2 21 | 16° 1'42 | 18° 5 | 3°59 | 8°16 | 7°49 | 17°23 | 24°47 | 1°40 | 17° 5 | 5° 7 | 10° 1 | 8°39 | 25°39 | 28°46 | T 7 |
| W 8 | 19 6 17 | 16°59'01 | 29°58 | 3°47 | 9°29 | 8°30 | 17°36 | 24°43 | 1°43 | 17° 3 | 5° 8 | 9°54 | 8°36 | 25°46 | 28°47 | W 8 |
| T 9 | 19 10 14 | 17°56'19 | 11♍49 | 3°40 | 10°42 | 9°11 | 17°49 | 24°38 | 1°47 | 17° 2 | 5° 9 | 9°49 | 8°32 | 25°52 | 28°48 | T 9 |
| F 10 | 19 14 10 | 18°53'37 | 23°43 | 3°D37 | 11°55 | 9°53 | 18° 2 | 24°34 | 1°50 | 17° 1 | 5° 9 | 9°44 | 8°29 | 25°59 | 28°49 | F 10 |
| S 11 | 19 18 7 | 19°50'54 | 5♎43 | 3°38 | 13° 8 | 10°34 | 18°15 | 24°30 | 1°54 | 16°59 | 5°10 | 9°41 | 8°26 | 26° 6 | 28°51 | S 11 |
| S 12 | 19 22 4 | 20°48'11 | 17°53 | 3°45 | 14°21 | 11°15 | 18°28 | 24°25 | 1°57 | 16°58 | 5°11 | 9°D40 | 8°23 | 26°13 | 28°52 | S 12 |
| M13 | 19 26 0 | 21°45'27 | 0♏18 | 3°56 | 15°33 | 11°56 | 18°41 | 24°21 | 2° 1 | 16°57 | 5°12 | 9°40 | 8°20 | 26°19 | 28°53 | M13 |
| T 14 | 19 29 57 | 22°42'43 | 13° 3 | 4°12 | 16°46 | 12°37 | 18°54 | 24°16 | 2° 5 | 16°55 | 5°13 | 9°42 | 8°17 | 26°26 | 28°54 | T 14 |
| W15 | 19 33 53 | 23°39'58 | 26°11 | 4°32 | 17°59 | 13°18 | 19° 7 | 24°12 | 2° 8 | 16°54 | 5°14 | 9°43 | 8°13 | 26°33 | 28°54 | W15 |
| T 16 | 19 37 50 | 24°37'13 | 9♐46 | 4°58 | 19°12 | 13°59 | 19°20 | 24° 7 | 2°12 | 16°53 | 5°15 | 9°R44 | 8°10 | 26°39 | 28°55 | T 16 |
| F 17 | 19 41 46 | 25°34'27 | 23°49 | 5°28 | 20°25 | 14°39 | 19°33 | 24° 3 | 2°16 | 16°52 | 5°16 | 9°43 | 8° 7 | 26°46 | 28°56 | F 17 |
| S 18 | 19 45 43 | 26°31'41 | 8♑18 | 6° 4 | 21°38 | 15°20 | 19°45 | 23°59 | 2°19 | 16°51 | 5°17 | 9°40 | 8° 4 | 26°53 | 28°57 | S 18 |
| S 19 | 19 49 39 | 27°28'55 | 23° 8 | 6°44 | 22°50 | 16° 1 | 19°58 | 23°54 | 2°23 | 16°50 | 5°18 | 9°35 | 8° 1 | 27° 0 | 28°58 | S 19 |
| M20 | 19 53 36 | 28°26'09 | 8♒13 | 7°28 | 24° 3 | 16°42 | 20°11 | 23°50 | 2°26 | 16°48 | 5°19 | 9°29 | 7°57 | 27° 6 | 28°58 | M20 |
| T 21 | 19 57 33 | 29°23'23 | 23°22 | 8°18 | 25°16 | 17°22 | 20°23 | 23°45 | 2°30 | 16°47 | 5°20 | 9°22 | 7°54 | 27°13 | 28°59 | T 21 |
| W22 | 20 1 29 | 0♌20'36 | 8♓27 | 9°12 | 26°28 | 18° 3 | 20°36 | 23°41 | 2°34 | 16°46 | 5°21 | 9°15 | 7°51 | 27°20 | 28°59 | W22 |
| T 23 | 20 5 26 | 1°17'50 | 23°16 | 10°10 | 27°41 | 18°43 | 20°48 | 23°36 | 2°37 | 16°45 | 5°22 | 9° 8 | 7°48 | 27°26 | 29° 0 | T 23 |
| F 24 | 20 9 22 | 2°15'05 | 7♈45 | 11°13 | 28°53 | 19°24 | 21° 0 | 23°32 | 2°41 | 16°44 | 5°23 | 9° 4 | 7°45 | 27°33 | 29° 0 | F 24 |
| S 25 | 20 13 19 | 3°12'19 | 21°49 | 12°21 | 0♍ 6 | 20° 4 | 21°13 | 23°28 | 2°45 | 16°43 | 5°25 | 9° 2 | 7°42 | 27°40 | 29° 1 | S 25 |
| S 26 | 20 17 15 | 4° 9'35 | 5♉28 | 13°32 | 1°18 | 20°45 | 21°25 | 23°23 | 2°48 | 16°42 | 5°26 | 9°D 1 | 7°38 | 27°47 | 29° 1 | S 26 |
| M27 | 20 21 12 | 5° 6'50 | 18°44 | 14°49 | 2°31 | 21°25 | 21°37 | 23°19 | 2°52 | 16°41 | 5°27 | 9° 2 | 7°35 | 27°53 | 29° 1 | M27 |
| T 28 | 20 25 8 | 6° 4'06 | 1♊39 | 16° 9 | 3°43 | 22° 6 | 21°49 | 23°15 | 2°56 | 16°40 | 5°28 | 9° 2 | 7°32 | 28° 0 | 29° 1 | T 28 |
| W29 | 20 29 5 | 7° 1'23 | 14°17 | 17°34 | 4°56 | 22°46 | 22° 1 | 23°11 | 2°59 | 16°39 | 5°30 | 9°R 2 | 7°29 | 28° 7 | 29° 2 | W29 |
| T 30 | 20 33 2 | 7°58'40 | 26°41 | 19° 2 | 6° 8 | 23°26 | 22°13 | 23° 6 | 3° 3 | 16°38 | 5°31 | 9° 1 | 7°26 | 28°14 | 29° 2 | T 30 |
| F 31 | 20 36 58 | 8♌55'58 | 8♋55 | 20♋35 | 7♍21 | 24♋ 6 | 22♊25 | 23♂ 2 | 3♌ 6 | 16♐38 | 5♎32 | 8♐57 | 7♐23 | 28♌20 | 29♈ 2 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n55 | 21n28 | 0n32 | 19n 1 | 4s 9 | 21n13 | 1n25 | 23n51 | 0n36 | 21n55 | 0s40 | 20s36 | 0n24 | 20n16 | 0n31 | 21s 9 | 1n34 | 12n 6 | 15n22 | 21s53 | 21s41 | 8n25 | 11n30 | 0n37 |
| T 2 | 22 50 | 22 5 | 0s37 | 18 53 | 4 18 | 20 58 | 1 26 | 23 51 | 0 36 | 21 57 | 0 40 | 20 36 | 0 24 | 20 15 | 0 31 | 21 9 | 1 34 | 12 5 | 15 21 | 21 53 | 21 40 | 8 22 | 11 31 | 0 37 |
| F 3 | 22 45 | 21 35 | 1 44 | 18 47 | 4 26 | 20 43 | 1 27 | 23 50 | 0 37 | 21 58 | 0 40 | 20 37 | 0 23 | 20 14 | 0 31 | 21 9 | 1 34 | 12 5 | 15 21 | 21 53 | 21 40 | 8 20 | 11 31 | 0 37 |
| S 4 | 22 40 | 20 3 | 2 44 | 18 42 | 4 32 | 20 27 | 1 29 | 23 49 | 0 37 | 21 59 | 0 40 | 20 38 | 0 23 | 20 13 | 0 31 | 21 8 | 1 34 | 12 4 | 15 20 | 21 52 | 21 39 | 8 18 | 11 32 | 0 37 |
| S 5 | 22 34 | 17 38 | 3 36 | 18 38 | 4 36 | 20 10 | 1 30 | 23 47 | 0 38 | 22 1 | 0 40 | 20 39 | 0 23 | 20 13 | 0 31 | 21 8 | 1 34 | 12 4 | 15 20 | 21 52 | 21 39 | 8 15 | 11 32 | 0 37 |
| M 6 | 22 28 | 14 28 | 4 18 | 18 36 | 4 39 | 19 53 | 1 31 | 23 46 | 0 38 | 22 2 | 0 40 | 20 40 | 0 23 | 20 12 | 0 31 | 21 8 | 1 34 | 12 3 | 15 20 | 21 51 | 21 38 | 8 13 | 11 33 | 0 37 |
| T 7 | 22 21 | 10 45 | 4 48 | 18 35 | 4 41 | 19 35 | 1 32 | 23 44 | 0 39 | 22 3 | 0 40 | 20 41 | 0 23 | 20 11 | 0 31 | 21 8 | 1 34 | 12 2 | 15 19 | 21 50 | 21 38 | 8 10 | 11 33 | 0 37 |
| W 8 | 22 14 | 6 39 | 5 5 | 18 35 | 4 41 | 19 17 | 1 33 | 23 42 | 0 39 | 22 5 | 0 40 | 20 42 | 0 23 | 20 10 | 0 31 | 21 8 | 1 34 | 12 2 | 15 19 | 21 49 | 21 37 | 8 8 | 11 34 | 0 37 |
| T 9 | 22 7 | 2 19 | 5 10 | 18 36 | 4 40 | 18 58 | 1 34 | 23 40 | 0 40 | 22 6 | 0 40 | 20 42 | 0 23 | 20 10 | 0 31 | 21 8 | 1 34 | 12 1 | 15 18 | 21 48 | 21 37 | 8 6 | 11 34 | 0 37 |
| F 10 | 21 59 | 2s 8 | 5 1 | 18 39 | 4 37 | 18 38 | 1 34 | 23 37 | 0 40 | 22 7 | 0 40 | 20 43 | 0 23 | 20 9 | 0 31 | 21 8 | 1 34 | 12 0 | 15 18 | 21 48 | 21 36 | 8 3 | 11 34 | 0 37 |
| S 11 | 21 51 | 6 32 | 4 39 | 18 42 | 4 34 | 18 18 | 1 35 | 23 35 | 0 41 | 22 8 | 0 40 | 20 44 | 0 23 | 20 8 | 0 31 | 21 8 | 1 34 | 12 0 | 15 17 | 21 47 | 21 36 | 8 1 | 11 35 | 0 37 |
| S 12 | 21 43 | 10 44 | 4 4 | 18 47 | 4 29 | 17 58 | 1 36 | 23 32 | 0 41 | 22 9 | 0 40 | 20 45 | 0 23 | 20 7 | 0 31 | 21 8 | 1 34 | 11 59 | 15 17 | 21 47 | 21 35 | 7 58 | 11 35 | 0 37 |
| M13 | 21 34 | 14 36 | 3 17 | 18 52 | 4 23 | 17 37 | 1 36 | 23 29 | 0 42 | 22 10 | 0 40 | 20 46 | 0 23 | 20 6 | 0 31 | 21 8 | 1 33 | 11 58 | 15 17 | 21 47 | 21 35 | 7 56 | 11 35 | 0 37 |
| T 14 | 21 25 | 17 53 | 2 19 | 18 59 | 4 16 | 17 16 | 1 37 | 23 25 | 0 42 | 22 12 | 0 40 | 20 47 | 0 23 | 20 6 | 0 31 | 21 7 | 1 33 | 11 57 | 15 16 | 21 47 | 21 34 | 7 54 | 11 36 | 0 36 |
| W15 | 21 15 | 20 22 | 1 13 | 19 6 | 4 8 | 16 54 | 1 37 | 23 22 | 0 43 | 22 13 | 0 40 | 20 48 | 0 23 | 20 5 | 0 31 | 21 7 | 1 33 | 11 57 | 15 16 | 21 47 | 21 34 | 7 51 | 11 36 | 0 36 |
| T 16 | 21 5 | 21 48 | 0n 0 | 19 14 | 4 0 | 16 32 | 1 38 | 23 18 | 0 43 | 22 14 | 0 40 | 20 48 | 0 22 | 20 4 | 0 31 | 21 7 | 1 33 | 11 56 | 15 15 | 21 48 | 21 33 | 7 49 | 11 36 | 0 36 |
| F 17 | 20 55 | 21 55 | 1 15 | 19 22 | 3 50 | 16 9 | 1 38 | 23 14 | 0 44 | 22 15 | 0 40 | 20 49 | 0 22 | 20 3 | 0 31 | 21 7 | 1 33 | 11 55 | 15 15 | 21 47 | 21 33 | 7 46 | 11 36 | 0 36 |
| S 18 | 20 44 | 20 36 | 2 28 | 19 31 | 3 40 | 15 46 | 1 38 | 23 10 | 0 44 | 22 16 | 0 40 | 20 50 | 0 22 | 20 2 | 0 31 | 21 7 | 1 33 | 11 54 | 15 15 | 21 47 | 21 32 | 7 44 | 11 37 | 0 36 |
| S 19 | 20 33 | 17 51 | 3 32 | 19 40 | 3 29 | 15 23 | 1 38 | 23 6 | 0 45 | 22 17 | 0 40 | 20 51 | 0 22 | 20 2 | 0 31 | 21 7 | 1 33 | 11 54 | 15 14 | 21 46 | 21 32 | 7 42 | 11 37 | 0 36 |
| M20 | 20 22 | 13 53 | 4 23 | 19 49 | 3 18 | 14 59 | 1 38 | 23 2 | 0 45 | 22 18 | 0 40 | 20 52 | 0 22 | 20 1 | 0 31 | 21 7 | 1 33 | 11 53 | 15 14 | 21 45 | 21 31 | 7 39 | 11 37 | 0 36 |
| T 21 | 20 10 | 9 0 | 4 55 | 19 58 | 3 6 | 14 35 | 1 38 | 22 57 | 0 46 | 22 19 | 0 40 | 20 53 | 0 22 | 20 0 | 0 31 | 21 7 | 1 33 | 11 52 | 15 13 | 21 44 | 21 31 | 7 37 | 11 37 | 0 36 |
| W22 | 19 58 | 3 37 | 5 7 | 20 6 | 2 54 | 14 10 | 1 38 | 22 52 | 0 46 | 22 19 | 0 40 | 20 53 | 0 22 | 19 59 | 0 31 | 21 7 | 1 33 | 11 51 | 15 13 | 21 43 | 21 30 | 7 34 | 11 37 | 0 36 |
| T 23 | 19 46 | 1n54 | 4 57 | 20 15 | 2 41 | 13 45 | 1 38 | 22 47 | 0 47 | 22 20 | 0 40 | 20 54 | 0 22 | 19 58 | 0 31 | 21 7 | 1 33 | 11 51 | 15 13 | 21 42 | 21 30 | 7 32 | 11 37 | 0 36 |
| F 24 | 19 33 | 7 11 | 4 29 | 20 23 | 2 28 | 13 20 | 1 38 | 22 42 | 0 47 | 22 21 | 0 40 | 20 55 | 0 22 | 19 57 | 0 31 | 21 7 | 1 33 | 11 50 | 15 12 | 21 42 | 21 29 | 7 30 | 11 38 | 0 36 |
| S 25 | 19 20 | 11 57 | 3 46 | 20 30 | 2 15 | 12 54 | 1 38 | 22 37 | 0 48 | 22 22 | 0 40 | 20 56 | 0 22 | 19 57 | 0 31 | 21 7 | 1 33 | 11 49 | 15 12 | 21 41 | 21 29 | 7 27 | 11 38 | 0 36 |
| S 26 | 19 7 | 15 57 | 2 50 | 20 37 | 2 1 | 12 28 | 1 37 | 22 31 | 0 48 | 22 23 | 0 40 | 20 57 | 0 22 | 19 56 | 0 31 | 21 7 | 1 33 | 11 48 | 15 12 | 21 41 | 21 28 | 7 25 | 11 38 | 0 36 |
| M27 | 18 53 | 19 1 | 1 47 | 20 43 | 1 48 | 12 2 | 1 37 | 22 25 | 0 49 | 22 24 | 0 40 | 20 58 | 0 21 | 19 55 | 0 31 | 21 7 | 1 33 | 11 47 | 15 11 | 21 41 | 21 28 | 7 22 | 11 38 | 0 36 |
| T 28 | 18 39 | 21 2 | 0 40 | 20 47 | 1 34 | 11 35 | 1 36 | 22 19 | 0 49 | 22 24 | 0 40 | 20 58 | 0 21 | 19 54 | 0 31 | 21 7 | 1 33 | 11 46 | 15 11 | 21 41 | 21 27 | 7 20 | 11 38 | 0 36 |
| W29 | 18 25 | 21 56 | 0s28 | 20 50 | 1 20 | 11 8 | 1 36 | 22 13 | 0 50 | 22 25 | 0 40 | 20 59 | 0 21 | 19 53 | 0 31 | 21 7 | 1 33 | 11 46 | 15 10 | 21 41 | 21 27 | 7 18 | 11 38 | 0 36 |
| T 30 | 18 11 | 21 43 | 1 33 | 20 52 | 1 7 | 10 41 | 1 35 | 22 7 | 0 50 | 22 26 | 0 40 | 21 0 | 0 21 | 19 52 | 0 31 | 21 6 | 1 33 | 11 45 | 15 10 | 21 41 | 21 26 | 7 15 | 11 38 | 0 36 |
| F 31 | 17n56 | 20n29 | 2s32 | 20n52 | 0s53 | 10n13 | 1n34 | 22n 0 | 0n51 | 22n26 | 0s40 | 21s 1 | 0n21 | 19n52 | 0n31 | 21s 6 | 1n33 | 11n44 | 15n10 | 21s41 | 21s26 | 7n13 | 11n38 | 0n36 |

Julian Day Number = 2802724.5, Delta T = 50m46s
Ecliptic obliquity = 23°18'49, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°11'57, Lahiri = 37°18'57


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# ASTRODIENST EPHEMERIS for the year 2961
# geocentric

## AUGUST 2961 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 40 55 | 9♌53'16 | 21♋ 1 | 22♋11 | 8♍33 | 24♋47 | 22♊36 | 22°R58 | 3♌10 | 16°R37 | 5♎34 | 8°R51 | 7♐19 | 28♌27 | 29°R 2 | S 1 |
| S 2 | 20 44 51 | 10°50'34 | 3♌ 0 | 23°52 | 9°45 | 25°27 | 22°48 | 22♏54 | 3°14 | 16♐36 | 5°35 | 8♐42 | 7°16 | 28°34 | 29♈ 2 | S 2 |
| M 3 | 20 48 48 | 11°47'53 | 14°56 | 25°35 | 10°58 | 26° 7 | 22°59 | 22°50 | 3°17 | 16°35 | 5°37 | 8°31 | 7°13 | 28°40 | 29° 2 | M 3 |
| T 4 | 20 52 44 | 12°45'12 | 26°49 | 27°23 | 12°10 | 26°47 | 23°11 | 22°46 | 3°21 | 16°34 | 5°38 | 8°19 | 7°10 | 28°47 | 29° 2 | T 4 |
| W 5 | 20 56 41 | 13°42'31 | 8♍40 | 29°13 | 13°22 | 27°27 | 23°22 | 22°42 | 3°24 | 16°34 | 5°40 | 8° 7 | 7° 7 | 28°54 | 29° 1 | W 5 |
| T 6 | 21 0 37 | 14°39'51 | 20°32 | 1♌ 6 | 14°34 | 28° 7 | 23°34 | 22°38 | 3°28 | 16°33 | 5°41 | 7°56 | 7° 3 | 29° 1 | 29° 1 | T 6 |
| F 7 | 21 4 34 | 15°37'11 | 2♎27 | 3° 2 | 15°47 | 28°47 | 23°45 | 22°34 | 3°32 | 16°32 | 5°43 | 7°47 | 7° 0 | 29° 7 | 29° 1 | F 7 |
| S 8 | 21 8 31 | 16°34'32 | 14°28 | 5° 1 | 16°59 | 29°27 | 23°56 | 22°30 | 3°35 | 16°32 | 5°44 | 7°40 | 6°57 | 29°14 | 29° 0 | S 8 |
| S 9 | 21 12 27 | 17°31'53 | 26°37 | 7° 1 | 18°11 | 0♌ 6 | 24° 7 | 22°26 | 3°39 | 16°31 | 5°46 | 7°36 | 6°54 | 29°21 | 29° 0 | S 9 |
| M10 | 21 16 24 | 18°29'14 | 9♏ 0 | 9° 4 | 19°23 | 0°46 | 24°18 | 22°22 | 3°42 | 16°31 | 5°47 | 7°34 | 6°51 | 29°27 | 29° 0 | M10 |
| T 11 | 21 20 20 | 19°26'35 | 21°41 | 11° 7 | 20°35 | 1°26 | 24°29 | 22°19 | 3°46 | 16°30 | 5°49 | 7°D33 | 6°48 | 29°34 | 28°59 | T 11 |
| W12 | 21 24 17 | 20°23'57 | 4♐43 | 13°12 | 21°47 | 2° 6 | 24°39 | 22°15 | 3°49 | 16°30 | 5°51 | 7°R34 | 6°44 | 29°41 | 28°59 | W12 |
| T 13 | 21 28 13 | 21°21'20 | 18°12 | 15°18 | 22°59 | 2°45 | 24°50 | 22°11 | 3°53 | 16°29 | 5°52 | 7°33 | 6°41 | 29°48 | 28°58 | T 13 |
| F 14 | 21 32 10 | 22°18'43 | 2♑10 | 17°24 | 24°11 | 3°25 | 25° 1 | 22° 8 | 3°56 | 16°29 | 5°54 | 7°31 | 6°38 | 29°54 | 28°57 | F 14 |
| S 15 | 21 36 6 | 23°16'06 | 16°36 | 19°30 | 25°22 | 4° 5 | 25°11 | 22° 4 | 4° 0 | 16°28 | 5°56 | 7°27 | 6°35 | 0♍ 1 | 28°57 | S 15 |
| S 16 | 21 40 3 | 24°13'30 | 1♒28 | 21°36 | 26°34 | 4°44 | 25°21 | 22° 1 | 4° 3 | 16°28 | 5°58 | 7°20 | 6°32 | 0° 8 | 28°56 | S 16 |
| M17 | 21 44 0 | 25°10'54 | 16°39 | 23°42 | 27°46 | 5°24 | 25°32 | 21°58 | 4° 7 | 16°28 | 5°59 | 7°11 | 6°28 | 0°15 | 28°55 | M17 |
| T 18 | 21 47 56 | 26° 8'20 | 1♓59 | 25°47 | 28°58 | 6° 3 | 25°42 | 21°54 | 4°10 | 16°27 | 6° 1 | 7° 1 | 6°25 | 0°21 | 28°54 | T 18 |
| W19 | 21 51 53 | 27° 5'46 | 17°17 | 27°51 | 0♎ 9 | 6°42 | 25°52 | 21°51 | 4°14 | 16°27 | 6° 3 | 6°51 | 6°22 | 0°28 | 28°53 | W19 |
| T 20 | 21 55 49 | 28° 3'13 | 2♈20 | 29°55 | 1°21 | 7°22 | 26° 2 | 21°48 | 4°17 | 16°27 | 6° 5 | 6°41 | 6°19 | 0°35 | 28°52 | T 20 |
| F 21 | 21 59 46 | 29° 0'41 | 17° 2 | 1♍57 | 2°33 | 8° 1 | 26°11 | 21°45 | 4°21 | 16°26 | 6° 6 | 6°34 | 6°16 | 0°41 | 28°51 | F 21 |
| S 22 | 22 3 42 | 29°58'10 | 1♉16 | 3°58 | 3°44 | 8°40 | 26°21 | 21°42 | 4°24 | 16°26 | 6° 8 | 6°30 | 6°13 | 0°48 | 28°50 | S 22 |
| S 23 | 22 7 39 | 0♍55'41 | 15° 1 | 5°58 | 4°56 | 9°20 | 26°31 | 21°39 | 4°27 | 16°26 | 6°10 | 6°28 | 6° 9 | 0°55 | 28°49 | S 23 |
| M24 | 22 11 35 | 1°53'13 | 28°19 | 7°56 | 6° 7 | 9°59 | 26°40 | 21°36 | 4°31 | 16°26 | 6°12 | 6°27 | 6° 6 | 1° 2 | 28°48 | M24 |
| T 25 | 22 15 32 | 2°50'46 | 11♊12 | 9°53 | 7°18 | 10°38 | 26°49 | 21°33 | 4°34 | 16°26 | 6°14 | 6°27 | 6° 3 | 1° 8 | 28°47 | T 25 |
| W26 | 22 19 29 | 3°48'20 | 23°45 | 11°49 | 8°30 | 11°17 | 26°59 | 21°31 | 4°37 | 16°26 | 6°16 | 6°26 | 6° 0 | 1°15 | 28°45 | W26 |
| T 27 | 22 23 25 | 4°45'56 | 6♋ 2 | 13°43 | 9°41 | 11°56 | 27° 8 | 21°28 | 4°41 | 16°26 | 6°18 | 6°24 | 5°57 | 1°22 | 28°44 | T 27 |
| F 28 | 22 27 22 | 5°43'34 | 18° 8 | 15°36 | 10°52 | 12°35 | 27°17 | 21°25 | 4°44 | 16°D26 | 6°20 | 6°19 | 5°54 | 1°28 | 28°43 | F 28 |
| S 29 | 22 31 18 | 6°41'12 | 0♌ 6 | 17°27 | 12° 4 | 13°14 | 27°25 | 21°23 | 4°47 | 16°26 | 6°22 | 6°11 | 5°50 | 1°35 | 28°41 | S 29 |
| S 30 | 22 35 15 | 7°38'52 | 12° 0 | 19°17 | 13°15 | 13°53 | 27°34 | 21°21 | 4°50 | 16°26 | 6°24 | 6° 1 | 5°47 | 1°42 | 28°40 | S 30 |
| M31 | 22 39 11 | 8♍36'33 | 23♌52 | 21♍ 6 | 14♎26 | 14♌32 | 27♊43 | 21♏18 | 4♌53 | 16♐26 | 6♎26 | 5♐48 | 5♐44 | 1♍49 | 28♈38 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n41 | 18n19 | 3s24 | 20n51 | 0s40 | 9n46 | 1n33 | 21n54 | 0n51 | 22n27 | 0s40 | 21s 2 | 0n21 | 19n51 | 0n31 | 21s 6 | 1n33 | 11n43 | 15n 9 | 21s40 | 21s25 | 7n10 | 11n38 | 0n36 |
| S 2 | 17 25 | 15 23 | 4 7 | 20 47 | 0 27 | 9 18 | 1 32 | 21 47 | 0 51 | 22 28 | 0 40 | 21 2 | 0 21 | 19 50 | 0 31 | 21 6 | 1 33 | 11 42 | 15 9 | 21 38 | 21 25 | 7 8 | 11 38 | 0 36 |
| M 3 | 17 10 | 11 50 | 4 38 | 20 41 | 0 14 | 8 50 | 1 31 | 21 40 | 0 52 | 22 28 | 0 40 | 21 3 | 0 21 | 19 49 | 0 31 | 21 6 | 1 33 | 11 41 | 15 9 | 21 37 | 21 24 | 7 6 | 11 38 | 0 36 |
| T 4 | 16 54 | 7 52 | 4 56 | 20 33 | 0 2 | 8 21 | 1 30 | 21 33 | 0 52 | 22 29 | 0 40 | 21 4 | 0 21 | 19 48 | 0 31 | 21 6 | 1 33 | 11 40 | 15 8 | 21 35 | 21 24 | 7 3 | 11 38 | 0 36 |
| W 5 | 16 37 | 3 36 | 5 2 | 20 23 | 0n10 | 7 52 | 1 29 | 21 26 | 0 53 | 22 29 | 0 39 | 21 5 | 0 21 | 19 48 | 0 31 | 21 6 | 1 33 | 11 40 | 15 8 | 21 33 | 21 23 | 7 1 | 11 37 | 0 36 |
| T 6 | 16 21 | 0s48 | 4 55 | 20 10 | 0 22 | 7 24 | 1 28 | 21 18 | 0 53 | 22 30 | 0 39 | 21 5 | 0 20 | 19 47 | 0 31 | 21 6 | 1 32 | 11 39 | 15 8 | 21 31 | 21 22 | 6 58 | 11 37 | 0 36 |
| F 7 | 16 4 | 5 11 | 4 35 | 19 54 | 0 33 | 6 55 | 1 26 | 21 10 | 0 54 | 22 31 | 0 39 | 21 6 | 0 20 | 19 46 | 0 31 | 21 6 | 1 32 | 11 38 | 15 7 | 21 30 | 21 22 | 6 56 | 11 37 | 0 35 |
| S 8 | 15 47 | 9 24 | 4 3 | 19 36 | 0 43 | 6 25 | 1 25 | 21 3 | 0 54 | 22 31 | 0 39 | 21 7 | 0 20 | 19 45 | 0 31 | 21 6 | 1 32 | 11 37 | 15 7 | 21 28 | 21 21 | 6 54 | 11 37 | 0 35 |
| S 9 | 15 30 | 13 19 | 3 19 | 19 16 | 0 52 | 5 56 | 1 24 | 20 55 | 0 55 | 22 32 | 0 40 | 21 8 | 0 20 | 19 44 | 0 31 | 21 6 | 1 32 | 11 36 | 15 7 | 21 28 | 21 21 | 6 51 | 11 37 | 0 35 |
| M10 | 15 12 | 16 43 | 2 25 | 18 53 | 1 1 | 5 27 | 1 22 | 20 47 | 0 55 | 22 32 | 0 40 | 21 8 | 0 20 | 19 43 | 0 31 | 21 6 | 1 32 | 11 35 | 15 7 | 21 27 | 21 20 | 6 49 | 11 37 | 0 35 |
| T 11 | 14 55 | 19 26 | 1 23 | 18 27 | 1 9 | 4 57 | 1 20 | 20 38 | 0 55 | 22 32 | 0 40 | 21 9 | 0 20 | 19 43 | 0 31 | 21 6 | 1 32 | 11 34 | 15 6 | 21 27 | 21 20 | 6 46 | 11 36 | 0 35 |
| W12 | 14 37 | 21 13 | 0 15 | 17 59 | 1 17 | 4 27 | 1 19 | 20 30 | 0 56 | 22 33 | 0 40 | 21 10 | 0 20 | 19 42 | 0 31 | 21 6 | 1 32 | 11 33 | 15 6 | 21 27 | 21 19 | 6 44 | 11 36 | 0 35 |
| T 13 | 14 19 | 21 52 | 0n56 | 17 29 | 1 23 | 3 57 | 1 17 | 20 21 | 0 56 | 22 33 | 0 40 | 21 10 | 0 20 | 19 41 | 0 31 | 21 6 | 1 32 | 11 32 | 15 6 | 21 27 | 21 19 | 6 42 | 11 36 | 0 35 |
| F 14 | 14 0 | 21 11 | 2 6 | 16 57 | 1 29 | 3 27 | 1 15 | 20 13 | 0 57 | 22 34 | 0 40 | 21 11 | 0 20 | 19 40 | 0 31 | 21 6 | 1 32 | 11 32 | 15 5 | 21 27 | 21 18 | 6 39 | 11 36 | 0 35 |
| S 15 | 13 41 | 19 8 | 3 11 | 16 22 | 1 33 | 2 57 | 1 13 | 20 4 | 0 57 | 22 34 | 0 40 | 21 12 | 0 20 | 19 39 | 0 31 | 21 6 | 1 32 | 11 31 | 15 5 | 21 26 | 21 18 | 6 37 | 11 35 | 0 35 |
| S 16 | 13 23 | 15 45 | 4 4 | 15 46 | 1 37 | 2 27 | 1 11 | 19 55 | 0 58 | 22 34 | 0 40 | 21 12 | 0 19 | 19 39 | 0 31 | 21 6 | 1 32 | 11 30 | 15 5 | 21 25 | 21 17 | 6 34 | 11 35 | 0 35 |
| M17 | 13 4 | 11 16 | 4 42 | 15 8 | 1 40 | 1 57 | 1 9 | 19 46 | 0 58 | 22 35 | 0 40 | 21 13 | 0 19 | 19 38 | 0 31 | 21 6 | 1 32 | 11 29 | 15 5 | 21 24 | 21 17 | 6 32 | 11 35 | 0 35 |
| T 18 | 12 44 | 6 2 | 5 0 | 14 28 | 1 43 | 1 26 | 1 7 | 19 36 | 0 58 | 22 35 | 0 40 | 21 14 | 0 19 | 19 37 | 0 31 | 21 6 | 1 32 | 11 28 | 15 4 | 21 22 | 21 16 | 6 30 | 11 34 | 0 35 |
| W19 | 12 25 | 0 27 | 4 56 | 13 47 | 1 44 | 0 56 | 1 5 | 19 27 | 0 59 | 22 35 | 0 40 | 21 14 | 0 19 | 19 36 | 0 31 | 21 6 | 1 32 | 11 27 | 15 4 | 21 20 | 21 16 | 6 27 | 11 34 | 0 35 |
| T 20 | 12 5 | 5n 5 | 4 32 | 13 5 | 1 45 | 0s 25 | 1 3 | 19 17 | 0 59 | 22 36 | 0 40 | 21 15 | 0 19 | 19 35 | 0 31 | 21 6 | 1 32 | 11 26 | 15 4 | 21 19 | 21 15 | 6 25 | 11 34 | 0 35 |
| F 21 | 11 45 | 10 12 | 3 50 | 12 22 | 1 45 | 0s 5 | 1 0 | 19 8 | 1 0 | 22 36 | 0 40 | 21 15 | 0 19 | 19 35 | 0 31 | 21 6 | 1 32 | 11 25 | 15 4 | 21 18 | 21 14 | 6 22 | 11 33 | 0 35 |
| S 22 | 11 25 | 14 35 | 2 54 | 11 38 | 1 45 | 0 36 | 0 58 | 18 58 | 1 0 | 22 36 | 0 40 | 21 16 | 0 19 | 19 34 | 0 31 | 21 6 | 1 32 | 11 24 | 15 3 | 21 17 | 21 14 | 6 20 | 11 33 | 0 35 |
| S 23 | 11 5 | 18 1 | 1 51 | 10 53 | 1 43 | 1 6 | 0 55 | 18 48 | 1 0 | 22 36 | 0 40 | 21 16 | 0 19 | 19 33 | 0 31 | 21 6 | 1 32 | 11 23 | 15 3 | 21 16 | 21 13 | 6 18 | 11 32 | 0 35 |
| M24 | 10 45 | 20 23 | 0 43 | 10 7 | 1 42 | 1 37 | 0 53 | 18 38 | 1 1 | 22 37 | 0 40 | 21 17 | 0 19 | 19 32 | 0 31 | 21 7 | 1 32 | 11 22 | 15 3 | 21 16 | 21 13 | 6 15 | 11 32 | 0 35 |
| T 25 | 10 24 | 21 35 | 0s25 | 9 21 | 1 39 | 2 7 | 0 50 | 18 28 | 1 1 | 22 37 | 0 40 | 21 18 | 0 19 | 19 32 | 0 31 | 21 7 | 1 31 | 11 21 | 15 3 | 21 16 | 21 12 | 6 13 | 11 31 | 0 35 |
| W26 | 10 4 | 21 40 | 1 30 | 8 35 | 1 36 | 2 37 | 0 47 | 18 17 | 1 2 | 22 37 | 0 40 | 21 18 | 0 18 | 19 31 | 0 31 | 21 7 | 1 31 | 11 20 | 15 3 | 21 16 | 21 12 | 6 10 | 11 31 | 0 35 |
| T 27 | 9 43 | 20 41 | 2 29 | 7 48 | 1 33 | 3 8 | 0 45 | 18 7 | 1 2 | 22 37 | 0 40 | 21 19 | 0 18 | 19 30 | 0 31 | 21 7 | 1 31 | 11 20 | 15 2 | 21 16 | 21 11 | 6 8 | 11 30 | 0 35 |
| F 28 | 9 22 | 18 46 | 3 21 | 7 1 | 1 29 | 3 38 | 0 42 | 17 56 | 1 2 | 22 37 | 0 40 | 21 19 | 0 18 | 19 29 | 0 31 | 21 7 | 1 31 | 11 19 | 15 2 | 21 15 | 21 11 | 6 6 | 11 30 | 0 35 |
| S 29 | 9 1 | 16 4 | 4 3 | 6 14 | 1 24 | 4 9 | 0 39 | 17 46 | 1 3 | 22 38 | 0 40 | 21 20 | 0 18 | 19 28 | 0 31 | 21 7 | 1 31 | 11 18 | 15 2 | 21 14 | 21 10 | 6 3 | 11 29 | 0 34 |
| S 30 | 8 39 | 12 43 | 4 34 | 5 26 | 1 19 | 4 39 | 0 36 | 17 35 | 1 3 | 22 38 | 0 40 | 21 20 | 0 18 | 19 28 | 0 31 | 21 7 | 1 31 | 11 17 | 15 2 | 21 12 | 21 10 | 6 1 | 11 29 | 0 34 |
| M31 | 8n18 | 8n52 | 4s53 | 4n39 | 1n14 | 5s 9 | 0n33 | 17n24 | 1n 4 | 22n38 | 0s40 | 21s21 | 0n18 | 19n27 | 0n31 | 21s 7 | 1n31 | 11n16 | 15n 2 | 21s10 | 21s 9 | 5n58 | 11n28 | 0n34 |

Julian Day Number = 2802755.5, Delta T = 50m47s
Ecliptic obliquity = 23°18'49, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°12'01, Lahiri = 37°19'02


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# ASTRODIENST EPHEMERIS for the year 2961
# geocentric

## SEPTEMBER 2961 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 43 8 | 9♍34'16 | 5♍44 | 22♍52 | 15♎37 | 15♌11 | 27♊51 | 21°R16 | 4♌57 | 16♐26 | 6♎28 | 5°R34 | 5♐41 | 1♍55 | 28°R37 | T 1 |
| W 2 | 22 47 4 | 10°31'59 | 17°37 | 24°38 | 16°48 | 15°50 | 28° 0 | 21♋14 | 5° 0 | 16°26 | 6°30 | 5♐20 | 5°38 | 2° 2 | 28♈35 | W 2 |
| T 3 | 22 51 1 | 11°29'44 | 29°33 | 26°22 | 17°59 | 16°29 | 28° 8 | 21°12 | 5° 3 | 16°26 | 6°32 | 5° 7 | 5°34 | 2° 9 | 28°34 | T 3 |
| F 4 | 22 54 58 | 12°27'30 | 11♎33 | 28° 4 | 19°10 | 17° 8 | 28°16 | 21°10 | 5° 6 | 16°27 | 6°34 | 4°56 | 5°31 | 2°16 | 28°32 | F 4 |
| S 5 | 22 58 54 | 13°25'17 | 23°39 | 29°46 | 20°21 | 17°46 | 28°24 | 21° 8 | 5° 9 | 16°27 | 6°36 | 4°48 | 5°28 | 2°22 | 28°30 | S 5 |
| S 6 | 23 2 51 | 14°23'05 | 5♏53 | 1♎25 | 21°32 | 18°25 | 28°31 | 21° 6 | 5°12 | 16°27 | 6°38 | 4°42 | 5°25 | 2°29 | 28°29 | S 6 |
| M 7 | 23 6 47 | 15°20'55 | 18°19 | 3° 4 | 22°42 | 19° 4 | 28°39 | 21° 4 | 5°15 | 16°27 | 6°40 | 4°39 | 5°22 | 2°36 | 28°27 | M 7 |
| T 8 | 23 10 44 | 16°18'46 | 1♐ 0 | 4°41 | 23°53 | 19°42 | 28°47 | 21° 3 | 5°18 | 16°28 | 6°42 | 4°D38 | 5°19 | 2°42 | 28°25 | T 8 |
| W 9 | 23 14 40 | 17°16'38 | 14° 0 | 6°16 | 25° 4 | 20°21 | 28°54 | 21° 1 | 5°21 | 16°28 | 6°44 | 4°R38 | 5°15 | 2°49 | 28°23 | W 9 |
| T 10 | 23 18 37 | 18°14'31 | 27°23 | 7°51 | 26°14 | 21° 0 | 29° 1 | 21° 0 | 5°24 | 16°29 | 6°46 | 4°38 | 5°12 | 2°56 | 28°21 | T 10 |
| F 11 | 23 22 33 | 19°12'25 | 11♑12 | 9°24 | 27°25 | 21°38 | 29° 8 | 20°59 | 5°27 | 16°29 | 6°48 | 4°37 | 5° 9 | 3° 3 | 28°19 | F 11 |
| S 12 | 23 26 30 | 20°10'20 | 25°27 | 10°55 | 28°35 | 22°17 | 29°15 | 20°57 | 5°30 | 16°29 | 6°50 | 4°33 | 5° 6 | 3° 9 | 28°17 | S 12 |
| S 13 | 23 30 26 | 21° 8'17 | 10♒ 8 | 12°25 | 29°45 | 22°55 | 29°22 | 20°56 | 5°32 | 16°30 | 6°53 | 4°27 | 5° 3 | 3°16 | 28°15 | S 13 |
| M14 | 23 34 23 | 22° 6'15 | 25° 9 | 13°54 | 0♏56 | 23°33 | 29°28 | 20°55 | 5°35 | 16°31 | 6°55 | 4°18 | 5° 0 | 3°23 | 28°13 | M14 |
| T 15 | 23 38 20 | 23° 4'14 | 10♓23 | 15°22 | 2° 6 | 24°12 | 29°35 | 20°54 | 5°38 | 16°31 | 6°57 | 4° 8 | 4°56 | 3°29 | 28°11 | T 15 |
| W16 | 23 42 16 | 24° 2'14 | 25°38 | 16°48 | 3°16 | 24°50 | 29°41 | 20°53 | 5°41 | 16°32 | 6°59 | 3°58 | 4°53 | 3°36 | 28° 9 | W16 |
| T 17 | 23 46 13 | 25° 0'16 | 10♈44 | 18°13 | 4°26 | 25°28 | 29°47 | 20°53 | 5°43 | 16°32 | 7° 1 | 3°49 | 4°50 | 3°43 | 28° 7 | T 17 |
| F 18 | 23 50 9 | 25°58'20 | 25°31 | 19°36 | 5°36 | 26° 7 | 29°53 | 20°52 | 5°46 | 16°33 | 7° 3 | 3°42 | 4°47 | 3°50 | 28° 5 | F 18 |
| S 19 | 23 54 6 | 26°56'26 | 9♉52 | 20°58 | 6°46 | 26°45 | 29°59 | 20°51 | 5°49 | 16°34 | 7° 6 | 3°38 | 4°44 | 3°56 | 28° 2 | S 19 |
| S 20 | 23 58 2 | 27°54'34 | 23°44 | 22°18 | 7°56 | 27°23 | 0♋ 5 | 20°51 | 5°51 | 16°34 | 7° 8 | 3°35 | 4°40 | 4° 3 | 28° 0 | S 20 |
| M21 | 0 1 59 | 28°52'43 | 7♊ 8 | 23°37 | 9° 6 | 28° 1 | 0°10 | 20°51 | 5°54 | 16°35 | 7°10 | 3°D35 | 4°37 | 4°10 | 27°58 | M21 |
| T 22 | 0 5 55 | 29°50'55 | 20° 5 | 24°54 | 10°15 | 28°39 | 0°15 | 20°50 | 5°56 | 16°36 | 7°12 | 3°36 | 4°34 | 4°17 | 27°56 | T 22 |
| W23 | 0 9 52 | 0♎49'08 | 2♋39 | 26°10 | 11°25 | 29°17 | 0°21 | 20°50 | 5°59 | 16°37 | 7°14 | 3°R36 | 4°31 | 4°23 | 27°53 | W23 |
| T 24 | 0 13 49 | 1°47'24 | 14°56 | 27°24 | 12°35 | 29°55 | 0°25 | 20°D50 | 6° 1 | 16°38 | 7°17 | 3°35 | 4°28 | 4°30 | 27°51 | T 24 |
| F 25 | 0 17 45 | 2°45'41 | 27° 1 | 28°36 | 13°44 | 0♍33 | 0°30 | 20°50 | 6° 3 | 16°39 | 7°19 | 3°32 | 4°25 | 4°37 | 27°49 | F 25 |
| S 26 | 0 21 42 | 3°44'00 | 8♌57 | 29°46 | 14°54 | 1°11 | 0°35 | 20°50 | 6° 6 | 16°40 | 7°21 | 3°27 | 4°21 | 4°43 | 27°46 | S 26 |
| S 27 | 0 25 38 | 4°42'21 | 20°49 | 0♏55 | 16° 3 | 1°49 | 0°39 | 20°50 | 6° 8 | 16°40 | 7°23 | 3°19 | 4°18 | 4°50 | 27°44 | S 27 |
| M28 | 0 29 35 | 5°40'45 | 2♍40 | 2° 1 | 17°12 | 2°27 | 0°44 | 20°51 | 6°10 | 16°41 | 7°25 | 3°10 | 4°15 | 4°57 | 27°41 | M28 |
| T 29 | 0 33 31 | 6°39'10 | 14°33 | 3° 5 | 18°21 | 3° 5 | 0°48 | 20°51 | 6°12 | 16°42 | 7°28 | 2°59 | 4°12 | 5° 4 | 27°39 | T 29 |
| W30 | 0 37 28 | 7♎37'37 | 26♍31 | 4♏ 7 | 19♏30 | 3♍43 | 0♋52 | 20♑52 | 6♌15 | 16♐43 | 7♎30 | 2♐48 | 4♐ 9 | 5♍10 | 27♈36 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n56 | 4n43 | 4s59 | 3n52 | 1n 9 | 5s39 | 0n30 | 17n13 | 1n 4 | 22n38 | 0s40 | 21s21 | 0n18 | 19n26 | 0n31 | 21s 7 | 1n31 | 11n15 | 15n 1 | 21s 7 | 21s 8 | 5n56 | 11n28 | 0n34 |
| W 2 | 7 35 | 0 22 | 4 53 | 3 5 | 1 3 | 6 9 | 0 27 | 17 2 | 1 4 | 22 38 | 0 40 | 21 21 | 0 18 | 19 26 | 0 31 | 21 7 | 1 31 | 11 14 | 15 1 | 21 5 | 21 8 | 5 53 | 11 27 | 0 34 |
| T 3 | 7 13 | 4s 0 | 4 33 | 2 18 | 0 57 | 6 39 | 0 24 | 16 51 | 1 5 | 22 38 | 0 40 | 21 22 | 0 18 | 19 25 | 0 31 | 21 7 | 1 31 | 11 13 | 15 1 | 21 2 | 21 7 | 5 51 | 11 26 | 0 34 |
| F 4 | 6 51 | 8 15 | 4 1 | 1 32 | 0 50 | 7 9 | 0 21 | 16 39 | 1 5 | 22 38 | 0 40 | 21 22 | 0 17 | 19 24 | 0 31 | 21 7 | 1 31 | 11 12 | 15 1 | 21 0 | 21 7 | 5 49 | 11 26 | 0 34 |
| S 5 | 6 29 | 12 12 | 3 18 | 0 46 | 0 43 | 7 38 | 0 17 | 16 28 | 1 6 | 22 38 | 0 40 | 21 23 | 0 17 | 19 23 | 0 31 | 21 7 | 1 31 | 11 11 | 15 1 | 20 59 | 21 6 | 5 46 | 11 25 | 0 34 |
| S 6 | 6 7 | 15 42 | 2 26 | 0s 0 | 0 36 | 8 8 | 0 14 | 16 16 | 1 6 | 22 38 | 0 40 | 21 23 | 0 17 | 19 23 | 0 31 | 21 7 | 1 31 | 11 10 | 15 1 | 20 58 | 21 6 | 5 44 | 11 24 | 0 34 |
| M 7 | 5 45 | 18 33 | 1 25 | 0 46 | 0 29 | 8 37 | 0 11 | 16 5 | 1 6 | 22 39 | 0 40 | 21 23 | 0 17 | 19 22 | 0 32 | 21 7 | 1 31 | 11 9 | 15 1 | 20 57 | 21 5 | 5 41 | 11 24 | 0 34 |
| T 8 | 5 22 | 20 34 | 0 19 | 1 31 | 0 22 | 9 6 | 0 7 | 15 53 | 1 7 | 22 39 | 0 40 | 21 24 | 0 17 | 19 21 | 0 32 | 21 8 | 1 31 | 11 8 | 15 1 | 20 57 | 21 4 | 5 39 | 11 23 | 0 34 |
| W 9 | 5 0 | 21 33 | 0n49 | 2 16 | 0 14 | 9 35 | 0 4 | 15 41 | 1 7 | 22 39 | 0 40 | 21 24 | 0 17 | 19 21 | 0 32 | 21 8 | 1 31 | 11 8 | 15 0 | 20 57 | 21 4 | 5 37 | 11 22 | 0 34 |
| T 10 | 4 38 | 21 20 | 1 57 | 3 0 | 0 6 | 10 4 | 0 0 | 15 29 | 1 7 | 22 39 | 0 40 | 21 24 | 0 17 | 19 20 | 0 32 | 21 8 | 1 31 | 11 7 | 15 0 | 20 57 | 21 3 | 5 34 | 11 22 | 0 34 |
| F 11 | 4 15 | 19 51 | 3 1 | 3 44 | 0s 2 | 10 33 | 0s 3 | 15 17 | 1 8 | 22 39 | 0 40 | 21 25 | 0 17 | 19 19 | 0 32 | 21 8 | 1 31 | 11 6 | 15 0 | 20 57 | 21 3 | 5 32 | 11 21 | 0 34 |
| S 12 | 3 52 | 17 5 | 3 55 | 4 27 | 0 10 | 11 1 | 0 7 | 15 5 | 1 8 | 22 39 | 0 40 | 21 25 | 0 17 | 19 19 | 0 32 | 21 8 | 1 30 | 11 5 | 15 0 | 20 56 | 21 2 | 5 29 | 11 20 | 0 34 |
| S 13 | 3 30 | 13 11 | 4 35 | 5 9 | 0 18 | 11 29 | 0 10 | 14 53 | 1 8 | 22 39 | 0 40 | 21 25 | 0 16 | 19 18 | 0 32 | 21 8 | 1 30 | 11 4 | 15 0 | 20 55 | 21 2 | 5 27 | 11 19 | 0 34 |
| M14 | 3 7 | 8 23 | 4 58 | 5 51 | 0 26 | 11 57 | 0 14 | 14 41 | 1 9 | 22 39 | 0 40 | 21 26 | 0 16 | 19 17 | 0 32 | 21 8 | 1 30 | 11 3 | 15 0 | 20 54 | 21 1 | 5 25 | 11 19 | 0 34 |
| T 15 | 2 44 | 3 0 | 5 0 | 6 33 | 0 34 | 12 25 | 0 18 | 14 28 | 1 9 | 22 39 | 0 40 | 21 26 | 0 16 | 19 17 | 0 32 | 21 8 | 1 30 | 11 2 | 15 0 | 20 52 | 21 1 | 5 22 | 11 18 | 0 34 |
| W16 | 2 21 | 2n34 | 4 41 | 7 14 | 0 43 | 12 53 | 0 21 | 14 16 | 1 9 | 22 39 | 0 40 | 21 26 | 0 16 | 19 16 | 0 32 | 21 8 | 1 30 | 11 1 | 15 0 | 20 50 | 21 0 | 5 20 | 11 17 | 0 33 |
| T 17 | 1 58 | 7 56 | 4 2 | 7 54 | 0 51 | 13 20 | 0 25 | 14 4 | 1 10 | 22 39 | 0 40 | 21 26 | 0 16 | 19 15 | 0 32 | 21 8 | 1 30 | 11 0 | 15 0 | 20 48 | 20 59 | 5 17 | 11 16 | 0 33 |
| F 18 | 1 36 | 12 44 | 3 8 | 8 33 | 1 0 | 13 47 | 0 29 | 13 51 | 1 10 | 22 39 | 0 40 | 21 26 | 0 16 | 19 15 | 0 32 | 21 9 | 1 30 | 10 59 | 15 0 | 20 47 | 20 59 | 5 15 | 11 15 | 0 33 |
| S 19 | 1 13 | 16 38 | 2 3 | 9 12 | 1 8 | 14 13 | 0 33 | 13 38 | 1 11 | 22 39 | 0 40 | 21 27 | 0 16 | 19 14 | 0 32 | 21 9 | 1 30 | 10 59 | 15 0 | 20 46 | 20 58 | 5 13 | 11 14 | 0 33 |
| S 20 | 0 50 | 19 27 | 0 52 | 9 50 | 1 17 | 14 40 | 0 37 | 13 26 | 1 11 | 22 39 | 0 40 | 21 27 | 0 16 | 19 14 | 0 32 | 21 9 | 1 30 | 10 58 | 15 0 | 20 46 | 20 58 | 5 10 | 11 14 | 0 33 |
| M21 | 0 27 | 21 5 | 0s19 | 10 27 | 1 25 | 15 6 | 0 41 | 13 13 | 1 11 | 22 39 | 0 40 | 21 27 | 0 16 | 19 13 | 0 32 | 21 9 | 1 30 | 10 57 | 15 0 | 20 46 | 20 57 | 5 8 | 11 13 | 0 33 |
| T 22 | 0 4 | 21 30 | 1 27 | 11 3 | 1 34 | 15 31 | 0 44 | 13 0 | 1 12 | 22 39 | 0 40 | 21 27 | 0 16 | 19 12 | 0 32 | 21 9 | 1 30 | 10 56 | 15 0 | 20 46 | 20 56 | 5 5 | 11 12 | 0 33 |
| W23 | 0s19 | 20 49 | 2 29 | 11 38 | 1 42 | 15 57 | 0 48 | 12 47 | 1 12 | 22 39 | 0 40 | 21 27 | 0 15 | 19 12 | 0 32 | 21 9 | 1 30 | 10 55 | 15 0 | 20 46 | 20 56 | 5 3 | 11 11 | 0 33 |
| T 24 | 0 43 | 19 8 | 3 22 | 12 13 | 1 51 | 16 22 | 0 52 | 12 34 | 1 12 | 22 39 | 0 40 | 21 27 | 0 15 | 19 11 | 0 32 | 21 9 | 1 30 | 10 54 | 15 0 | 20 46 | 20 55 | 5 1 | 11 10 | 0 33 |
| F 25 | 1 6 | 16 38 | 4 5 | 12 46 | 1 59 | 16 46 | 0 56 | 12 21 | 1 13 | 22 38 | 0 40 | 21 27 | 0 15 | 19 11 | 0 32 | 21 10 | 1 30 | 10 53 | 15 0 | 20 45 | 20 55 | 4 58 | 11 9 | 0 33 |
| S 26 | 1 29 | 13 28 | 4 37 | 13 19 | 2 7 | 17 11 | 1 0 | 12 8 | 1 13 | 22 38 | 0 40 | 21 28 | 0 15 | 19 10 | 0 32 | 21 10 | 1 30 | 10 53 | 15 0 | 20 44 | 20 54 | 4 56 | 11 8 | 0 33 |
| S 27 | 1 52 | 9 47 | 4 57 | 13 50 | 2 15 | 17 35 | 1 4 | 11 55 | 1 13 | 22 38 | 0 40 | 21 28 | 0 15 | 19 10 | 0 32 | 21 10 | 1 30 | 10 52 | 15 0 | 20 43 | 20 54 | 4 53 | 11 7 | 0 33 |
| M28 | 2 15 | 5 44 | 5 4 | 14 21 | 2 23 | 17 58 | 1 8 | 11 41 | 1 14 | 22 38 | 0 40 | 21 28 | 0 15 | 19 9 | 0 32 | 21 10 | 1 30 | 10 51 | 15 0 | 20 41 | 20 53 | 4 51 | 11 6 | 0 33 |
| T 29 | 2 38 | 1 27 | 4 58 | 14 50 | 2 31 | 18 21 | 1 12 | 11 28 | 1 14 | 22 38 | 0 40 | 21 28 | 0 15 | 19 8 | 0 32 | 21 10 | 1 30 | 10 50 | 15 0 | 20 39 | 20 52 | 4 49 | 11 5 | 0 33 |
| W30 | 3s 1 | 2s54 | 4s39 | 15s19 | 2s38 | 18s44 | 1s16 | 11n15 | 1n14 | 22n38 | 0s40 | 21s28 | 0n15 | 19n 8 | 0n32 | 21s10 | 1n30 | 10n49 | 15n 0 | 20s37 | 20s52 | 4n46 | 11n 4 | 0n33 |

Julian Day Number = 2802786.5, Delta T = 50m47s
Ecliptic obliquity = 23°18'49, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°12'05, Lahiri = 37°19'06


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# ASTRODIENST EPHEMERIS for the year 2961
# geocentric

## OCTOBER 2961 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 41 24 | 8♎36'06 | 8♎33 | 5♏ 7 | 20♏39 | 4♍20 | 0♋55 | 20♑52 | 6♌17 | 16♐45 | 7♎32 | 2°R38 | 4♐ 5 | 5♍17 | 27°R34 | T 1 |
| F 2 | 0 45 21 | 9°34'36 | 20°43 | 6° 3 | 21°48 | 4°58 | 0°59 | 20°53 | 6°19 | 16°46 | 7°34 | 2♐30 | 4° 2 | 5°24 | 27♈31 | F 2 |
| S 3 | 0 49 18 | 10°33'09 | 3♏ 0 | 6°57 | 22°57 | 5°36 | 1° 2 | 20°54 | 6°21 | 16°47 | 7°36 | 2°23 | 3°59 | 5°30 | 27°29 | S 3 |
| S 4 | 0 53 14 | 11°31'43 | 15°26 | 7°48 | 24° 6 | 6°14 | 1° 5 | 20°55 | 6°23 | 16°48 | 7°39 | 2°20 | 3°56 | 5°37 | 27°26 | S 4 |
| M 5 | 0 57 11 | 12°30'19 | 28° 4 | 8°36 | 25°14 | 6°51 | 1° 8 | 20°56 | 6°25 | 16°49 | 7°41 | 2°D18 | 3°53 | 5°44 | 27°23 | M 5 |
| T 6 | 1 1 7 | 13°28'57 | 10♐54 | 9°20 | 26°23 | 7°29 | 1°11 | 20°57 | 6°27 | 16°50 | 7°43 | 2°18 | 3°50 | 5°51 | 27°21 | T 6 |
| W 7 | 1 5 4 | 14°27'36 | 24° 0 | 10° 1 | 27°31 | 8° 6 | 1°14 | 20°58 | 6°29 | 16°52 | 7°45 | 2°19 | 3°46 | 5°57 | 27°18 | W 7 |
| T 8 | 1 9 0 | 15°26'17 | 7♑23 | 10°37 | 28°40 | 8°44 | 1°16 | 20°59 | 6°30 | 16°53 | 7°47 | 2°20 | 3°43 | 6° 4 | 27°15 | T 8 |
| F 9 | 1 12 57 | 16°25'00 | 21° 7 | 11° 9 | 29°48 | 9°21 | 1°18 | 21° 1 | 6°32 | 16°54 | 7°50 | 2°R21 | 3°40 | 6°11 | 27°13 | F 9 |
| S 10 | 1 16 53 | 17°23'44 | 5♒11 | 11°36 | 0♐56 | 9°59 | 1°20 | 21° 2 | 6°34 | 16°55 | 7°52 | 2°19 | 3°37 | 6°18 | 27°10 | S 10 |
| S 11 | 1 20 50 | 18°22'30 | 19°36 | 11°58 | 2° 4 | 10°36 | 1°22 | 21° 4 | 6°36 | 16°57 | 7°54 | 2°16 | 3°34 | 6°24 | 27° 7 | S 11 |
| M12 | 1 24 46 | 19°21'18 | 4♓18 | 12°15 | 3°12 | 11°13 | 1°24 | 21° 5 | 6°37 | 16°58 | 7°56 | 2°11 | 3°31 | 6°31 | 27° 5 | M12 |
| T 13 | 1 28 43 | 20°20'07 | 19°11 | 12°25 | 4°19 | 11°51 | 1°25 | 21° 7 | 6°39 | 17° 0 | 7°58 | 2° 5 | 3°27 | 6°38 | 27° 2 | T 13 |
| W14 | 1 32 40 | 21°18'57 | 4♈ 8 | 12°R29 | 5°27 | 12°28 | 1°26 | 21° 9 | 6°40 | 17° 1 | 8° 0 | 1°59 | 3°24 | 6°44 | 26°59 | W14 |
| T 15 | 1 36 36 | 22°17'50 | 18°59 | 12°26 | 6°35 | 13° 5 | 1°27 | 21°11 | 6°42 | 17° 2 | 8° 3 | 1°53 | 3°21 | 6°51 | 26°56 | T 15 |
| F 16 | 1 40 33 | 23°16'45 | 3♉37 | 12°16 | 7°42 | 13°42 | 1°28 | 21°13 | 6°43 | 17° 4 | 8° 5 | 1°49 | 3°18 | 6°58 | 26°54 | F 16 |
| S 17 | 1 44 29 | 24°15'42 | 17°55 | 11°59 | 8°49 | 14°19 | 1°29 | 21°15 | 6°45 | 17° 5 | 8° 7 | 1°46 | 3°15 | 7° 5 | 26°51 | S 17 |
| S 18 | 1 48 26 | 25°14'41 | 1♊48 | 11°34 | 9°56 | 14°56 | 1°29 | 21°18 | 6°46 | 17° 7 | 8° 9 | 1°D45 | 3°11 | 7°11 | 26°48 | S 18 |
| M19 | 1 52 22 | 26°13'42 | 15°15 | 11° 1 | 11° 3 | 15°33 | 1°30 | 21°20 | 6°47 | 17° 9 | 8°11 | 1°46 | 3° 8 | 7°18 | 26°46 | M19 |
| T 20 | 1 56 19 | 27°12'45 | 28°17 | 10°20 | 12°10 | 16°10 | 1°R30 | 21°22 | 6°49 | 17°10 | 8°13 | 1°47 | 3° 5 | 7°25 | 26°43 | T 20 |
| W21 | 2 0 15 | 28°11'51 | 10♋56 | 9°32 | 13°16 | 16°47 | 1°29 | 21°25 | 6°50 | 17°12 | 8°15 | 1°49 | 3° 2 | 7°31 | 26°40 | W21 |
| T 22 | 2 4 12 | 29°10'59 | 23°17 | 8°37 | 14°23 | 17°24 | 1°29 | 21°28 | 6°51 | 17°13 | 8°18 | 1°50 | 2°59 | 7°38 | 26°37 | T 22 |
| F 23 | 2 8 9 | 0♏10'09 | 5♌23 | 7°36 | 15°29 | 18° 1 | 1°29 | 21°30 | 6°52 | 17°15 | 8°20 | 1°R50 | 2°56 | 7°45 | 26°35 | F 23 |
| S 24 | 2 12 5 | 1° 9'21 | 17°20 | 6°30 | 16°35 | 18°38 | 1°28 | 21°33 | 6°53 | 17°17 | 8°22 | 1°49 | 2°52 | 7°52 | 26°32 | S 24 |
| S 25 | 2 16 2 | 2° 8'35 | 29°13 | 5°20 | 17°41 | 19°15 | 1°27 | 21°36 | 6°54 | 17°18 | 8°24 | 1°46 | 2°49 | 7°58 | 26°29 | S 25 |
| M26 | 2 19 58 | 3° 7'52 | 11♍ 5 | 4° 9 | 18°47 | 19°52 | 1°26 | 21°39 | 6°55 | 17°20 | 8°26 | 1°42 | 2°46 | 8° 5 | 26°26 | M26 |
| T 27 | 2 23 55 | 4° 7'11 | 23° 1 | 2°57 | 19°52 | 20°28 | 1°24 | 21°42 | 6°56 | 17°22 | 8°28 | 1°38 | 2°43 | 8°12 | 26°24 | T 27 |
| W28 | 2 27 51 | 5° 6'32 | 5♎ 3 | 1°48 | 20°58 | 21° 5 | 1°23 | 21°45 | 6°57 | 17°24 | 8°30 | 1°33 | 2°40 | 8°19 | 26°21 | W28 |
| T 29 | 2 31 48 | 6° 5'55 | 17°13 | 0°43 | 22° 3 | 21°42 | 1°21 | 21°48 | 6°57 | 17°25 | 8°32 | 1°29 | 2°36 | 8°25 | 26°18 | T 29 |
| F 30 | 2 35 44 | 7° 5'20 | 29°34 | 29♎43 | 23° 8 | 22°18 | 1°19 | 21°52 | 6°58 | 17°27 | 8°34 | 1°25 | 2°33 | 8°32 | 26°16 | F 30 |
| S 31 | 2 39 41 | 8♏ 4'48 | 12♏ 7 | 28♎52 | 24♐13 | 22♍55 | 1♋17 | 21♑55 | 6♌59 | 17♐29 | 8♎36 | 1♐23 | 2♐30 | 8♍39 | 26♈13 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 3s24 | 7s10 | 4s 7 | 15s46 | 2s46 | 19s 6 | 1s20 | 11n 1 | 1n14 | 22n38 | 0s40 | 21s28 | 0n15 | 19n 7 | 0n32 | 21s10 | 1n29 | 10n49 | 15n 0 | 20s35 | 20s51 | 4n44 | 11n 3 | 0n33 | |
| F 2 | 3 47 | 11 12 | 3 24 | 16 11 | 2 53 | 19 28 | 1 24 | 10 48 | 1 15 | 22 38 | 0 40 | 21 28 | 0 14 | 19 7 | 0 32 | 21 11 | 1 29 | 10 48 | 15 0 | 20 33 | 20 51 | 4 41 | 11 2 | 0 32 | |
| S 3 | 4 9 | 14 49 | 2 31 | 16 36 | 3 0 | 19 50 | 1 28 | 10 35 | 1 15 | 22 38 | 0 40 | 21 28 | 0 14 | 19 7 | 0 32 | 21 11 | 1 29 | 10 47 | 15 0 | 20 32 | 20 50 | 4 39 | 11 2 | 0 32 | |
| S 4 | 4 32 | 17 48 | 1 29 | 16 58 | 3 6 | 20 11 | 1 32 | 10 21 | 1 15 | 22 38 | 0 41 | 21 28 | 0 14 | 19 6 | 0 32 | 21 11 | 1 29 | 10 46 | 15 0 | 20 31 | 20 49 | 4 37 | 11 1 | 0 32 | |
| M 5 | 4 55 | 20 0 | 0 23 | 17 20 | 3 12 | 20 31 | 1 35 | 10 7 | 1 16 | 22 38 | 0 41 | 21 28 | 0 14 | 19 6 | 0 32 | 21 11 | 1 29 | 10 45 | 15 0 | 20 31 | 20 49 | 4 34 | 11 0 | 0 32 | |
| T 6 | 5 18 | 21 12 | 0n46 | 17 39 | 3 18 | 20 51 | 1 39 | 9 54 | 1 16 | 22 38 | 0 41 | 21 28 | 0 14 | 19 5 | 0 32 | 21 11 | 1 29 | 10 45 | 15 0 | 20 31 | 20 48 | 4 32 | 10 59 | 0 32 | |
| W 7 | 5 40 | 21 16 | 1 54 | 17 57 | 3 23 | 21 11 | 1 43 | 9 40 | 1 16 | 22 38 | 0 41 | 21 28 | 0 14 | 19 5 | 0 32 | 21 11 | 1 29 | 10 44 | 15 0 | 20 31 | 20 48 | 4 29 | 10 57 | 0 32 | |
| T 8 | 6 3 | 20 9 | 2 58 | 18 13 | 3 28 | 21 30 | 1 47 | 9 26 | 1 17 | 22 38 | 0 41 | 21 27 | 0 14 | 19 4 | 0 32 | 21 12 | 1 29 | 10 43 | 15 0 | 20 31 | 20 47 | 4 27 | 10 56 | 0 32 | |
| F 9 | 6 25 | 17 50 | 3 53 | 18 27 | 3 32 | 21 48 | 1 51 | 9 13 | 1 17 | 22 38 | 0 41 | 21 27 | 0 14 | 19 4 | 0 32 | 21 12 | 1 29 | 10 42 | 15 1 | 20 31 | 20 46 | 4 25 | 10 55 | 0 32 | |
| S 10 | 6 48 | 14 25 | 4 35 | 18 39 | 3 36 | 22 7 | 1 55 | 8 59 | 1 17 | 22 38 | 0 41 | 21 27 | 0 14 | 19 4 | 0 32 | 21 12 | 1 29 | 10 42 | 15 1 | 20 31 | 20 46 | 4 22 | 10 54 | 0 32 | |
| S 11 | 7 10 | 10 5 | 5 2 | 18 49 | 3 38 | 22 24 | 1 59 | 8 45 | 1 18 | 22 38 | 0 41 | 21 27 | 0 14 | 19 3 | 0 33 | 21 12 | 1 29 | 10 41 | 15 1 | 20 30 | 20 45 | 4 20 | 10 53 | 0 32 | |
| M12 | 7 32 | 5 5 | 5 9 | 18 56 | 3 40 | 22 41 | 2 2 | 8 31 | 1 18 | 22 38 | 0 41 | 21 27 | 0 13 | 19 3 | 0 33 | 21 12 | 1 29 | 10 40 | 15 1 | 20 29 | 20 45 | 4 17 | 10 52 | 0 32 | |
| T 13 | 7 54 | 0n17 | 4 56 | 19 0 | 3 41 | 22 58 | 2 6 | 8 17 | 1 18 | 22 38 | 0 41 | 21 27 | 0 13 | 19 2 | 0 33 | 21 12 | 1 29 | 10 40 | 15 1 | 20 28 | 20 44 | 4 15 | 10 51 | 0 32 | |
| W14 | 8 16 | 5 39 | 4 22 | 19 1 | 3 41 | 23 14 | 2 10 | 8 4 | 1 18 | 22 38 | 0 41 | 21 27 | 0 13 | 19 2 | 0 33 | 21 13 | 1 29 | 10 39 | 15 1 | 20 27 | 20 43 | 4 13 | 10 50 | 0 32 | |
| T 15 | 8 38 | 10 39 | 3 31 | 18 59 | 3 40 | 23 29 | 2 13 | 7 50 | 1 19 | 22 38 | 0 41 | 21 26 | 0 13 | 19 2 | 0 33 | 21 13 | 1 29 | 10 38 | 15 1 | 20 26 | 20 43 | 4 10 | 10 49 | 0 32 | |
| F 16 | 9 0 | 14 58 | 2 27 | 18 54 | 3 38 | 23 44 | 2 17 | 7 36 | 1 19 | 22 38 | 0 41 | 21 26 | 0 13 | 19 1 | 0 33 | 21 13 | 1 29 | 10 37 | 15 2 | 20 25 | 20 42 | 4 8 | 10 48 | 0 31 | |
| S 17 | 9 22 | 18 17 | 1 15 | 18 44 | 3 34 | 23 58 | 2 21 | 7 22 | 1 19 | 22 38 | 0 41 | 21 26 | 0 13 | 19 1 | 0 33 | 21 13 | 1 29 | 10 37 | 15 2 | 20 24 | 20 42 | 4 6 | 10 47 | 0 31 | |
| S 18 | 9 43 | 20 25 | 0s 0 | 18 31 | 3 28 | 24 12 | 2 24 | 7 8 | 1 20 | 22 38 | 0 41 | 21 26 | 0 13 | 19 1 | 0 33 | 21 13 | 1 29 | 10 36 | 15 2 | 20 24 | 20 41 | 4 3 | 10 46 | 0 31 | |
| M19 | 10 4 | 21 18 | 1 13 | 18 14 | 3 21 | 24 25 | 2 28 | 6 54 | 1 20 | 22 37 | 0 41 | 21 25 | 0 13 | 19 0 | 0 33 | 21 14 | 1 29 | 10 36 | 15 2 | 20 24 | 20 40 | 4 1 | 10 45 | 0 31 | |
| T 20 | 10 26 | 20 59 | 2 20 | 17 53 | 3 12 | 24 38 | 2 31 | 6 40 | 1 20 | 22 37 | 0 41 | 21 25 | 0 13 | 19 0 | 0 33 | 21 14 | 1 29 | 10 35 | 15 2 | 20 25 | 20 40 | 3 58 | 10 44 | 0 31 | |
| W21 | 10 47 | 19 35 | 3 18 | 17 28 | 3 2 | 24 50 | 2 34 | 6 26 | 1 20 | 22 37 | 0 41 | 21 25 | 0 13 | 19 0 | 0 33 | 21 14 | 1 29 | 10 34 | 15 3 | 20 25 | 20 39 | 3 56 | 10 43 | 0 31 | |
| T 22 | 11 8 | 17 18 | 4 5 | 16 59 | 2 50 | 25 1 | 2 38 | 6 11 | 1 21 | 22 37 | 0 41 | 21 24 | 0 12 | 19 0 | 0 33 | 21 14 | 1 29 | 10 34 | 15 3 | 20 25 | 20 39 | 3 54 | 10 42 | 0 31 | |
| F 23 | 11 28 | 14 17 | 4 40 | 16 25 | 2 35 | 25 12 | 2 41 | 5 57 | 1 21 | 22 37 | 0 41 | 21 24 | 0 12 | 18 59 | 0 33 | 21 14 | 1 28 | 10 33 | 15 3 | 20 25 | 20 38 | 3 51 | 10 41 | 0 31 | |
| S 24 | 11 49 | 10 44 | 5 3 | 15 49 | 2 19 | 25 22 | 2 44 | 5 43 | 1 21 | 22 37 | 0 41 | 21 24 | 0 12 | 18 59 | 0 33 | 21 14 | 1 28 | 10 32 | 15 3 | 20 25 | 20 37 | 3 49 | 10 40 | 0 31 | |
| S 25 | 12 9 | 6 48 | 5 12 | 15 9 | 2 2 | 25 31 | 2 47 | 5 29 | 1 22 | 22 37 | 0 41 | 21 23 | 0 12 | 18 59 | 0 33 | 21 15 | 1 28 | 10 32 | 15 3 | 20 24 | 20 37 | 3 46 | 10 39 | 0 31 | |
| M26 | 12 30 | 2 36 | 5 9 | 14 27 | 1 43 | 25 40 | 2 50 | 5 15 | 1 22 | 22 37 | 0 41 | 21 23 | 0 12 | 18 59 | 0 33 | 21 15 | 1 28 | 10 31 | 15 4 | 20 24 | 20 36 | 3 44 | 10 38 | 0 31 | |
| T 27 | 12 50 | 1s42 | 4 51 | 13 44 | 1 23 | 25 49 | 2 53 | 5 1 | 1 22 | 22 37 | 0 41 | 21 23 | 0 12 | 18 59 | 0 33 | 21 15 | 1 28 | 10 31 | 15 4 | 20 23 | 20 36 | 3 42 | 10 37 | 0 31 | |
| W28 | 13 9 | 6 0 | 4 21 | 13 1 | 1 3 | 25 56 | 2 56 | 4 47 | 1 22 | 22 37 | 0 41 | 21 22 | 0 12 | 18 58 | 0 33 | 21 15 | 1 28 | 10 30 | 15 4 | 20 22 | 20 35 | 3 39 | 10 35 | 0 31 | |
| T 29 | 13 29 | 10 6 | 3 39 | 12 19 | 0 42 | 26 3 | 2 59 | 4 33 | 1 23 | 22 38 | 0 41 | 21 22 | 0 12 | 18 58 | 0 33 | 21 15 | 1 28 | 10 30 | 15 4 | 20 21 | 20 34 | 3 37 | 10 34 | 0 30 | |
| F 30 | 13 48 | 13 51 | 2 46 | 11 39 | 0 22 | 26 10 | 3 2 | 4 19 | 1 23 | 22 38 | 0 41 | 21 21 | 0 12 | 18 58 | 0 33 | 21 16 | 1 28 | 10 29 | 15 5 | 20 20 | 20 34 | 3 34 | 10 33 | 0 30 | |
| S 31 | 14s 8 | 17s 2 | 1s44 | 11s 2 | 0s 2 | 26s16 | 3s 4 | 4n 4 | 1n23 | 22n38 | 0s41 | 21s21 | 0n12 | 18n58 | 0n33 | 21s16 | 1n28 | 10n29 | 15n 5 | 20s20 | 20s33 | 3n32 | 10n32 | 0n30 | |

Julian Day Number = 2802816.5, Delta T = 50m48s
Ecliptic obliquity = 23°18'49, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°12'10, Lahiri = 37°19'10


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# ASTRODIENST EPHEMERIS for the year 2961
# geocentric

## NOVEMBER 2961 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 43 38 | 9♏ 4'17 | 24♏52 | 28°R 9 | 25♐17 | 23♍31 | 1°R14 | 21♑59 | 6♌59 | 17♐31 | 8♎38 | 1°R21 | 2♐27 | 8♍45 | 26°R10 | S 1 |
| M 2 | 2 47 34 | 10° 3'48 | 7♐49 | 27♎37 | 26°22 | 24° 8 | 1♋12 | 22° 2 | 7° 0 | 17°33 | 8°40 | 1°D21 | 2°24 | 8°52 | 26♈ 8 | M 2 |
| T 3 | 2 51 31 | 11° 3'22 | 20°59 | 27°16 | 27°26 | 24°44 | 1° 9 | 22° 6 | 7° 0 | 17°35 | 8°42 | 1♐22 | 2°21 | 8°59 | 26° 5 | T 3 |
| W 4 | 2 55 27 | 12° 2'57 | 4♑22 | 27°D 5 | 28°30 | 25°21 | 1° 6 | 22°10 | 7° 1 | 17°37 | 8°44 | 1°24 | 2°17 | 9° 6 | 26° 2 | W 4 |
| T 5 | 2 59 24 | 13° 2'33 | 17°57 | 27° 6 | 29°34 | 25°57 | 1° 3 | 22°14 | 7° 1 | 17°38 | 8°46 | 1°25 | 2°14 | 9°12 | 26° 0 | T 5 |
| F 6 | 3 3 20 | 14° 2'12 | 1♒46 | 27°18 | 0♑37 | 26°33 | 0°59 | 22°17 | 7° 2 | 17°40 | 8°48 | 1°26 | 2°11 | 9°19 | 25°57 | F 6 |
| S 7 | 3 7 17 | 15° 1'52 | 15°47 | 27°41 | 1°40 | 27° 9 | 0°56 | 22°21 | 7° 2 | 17°42 | 8°49 | 1°R26 | 2° 8 | 9°26 | 25°55 | S 7 |
| S 8 | 3 11 13 | 16° 1'33 | 29°59 | 28°13 | 2°43 | 27°45 | 0°52 | 22°26 | 7° 2 | 17°44 | 8°51 | 1°26 | 2° 5 | 9°32 | 25°52 | S 8 |
| M 9 | 3 15 10 | 17° 1'16 | 14♓22 | 28°54 | 3°46 | 28°22 | 0°48 | 22°30 | 7° 2 | 17°46 | 8°53 | 1°25 | 2° 2 | 9°39 | 25°50 | M 9 |
| T 10 | 3 19 7 | 18° 1'01 | 28°49 | 29°43 | 4°48 | 28°58 | 0°44 | 22°34 | 7° 2 | 17°48 | 8°55 | 1°23 | 1°58 | 9°46 | 25°47 | T 10 |
| W11 | 3 23 3 | 19° 0'47 | 13♈18 | 0♏40 | 5°50 | 29°34 | 0°40 | 22°38 | 7° 2 | 17°50 | 8°57 | 1°22 | 1°55 | 9°53 | 25°45 | W11 |
| T 12 | 3 27 0 | 20° 0'36 | 27°43 | 1°43 | 6°52 | 0♎10 | 0°35 | 22°43 | 7°R 2 | 17°52 | 8°59 | 1°20 | 1°52 | 9°59 | 25°42 | T 12 |
| F 13 | 3 30 56 | 21° 0'26 | 11♉59 | 2°51 | 7°53 | 0°46 | 0°31 | 22°47 | 7° 2 | 17°54 | 9° 0 | 1°19 | 1°49 | 10° 6 | 25°40 | F 13 |
| S 14 | 3 34 53 | 22° 0'17 | 26° 0 | 4° 5 | 8°54 | 1°21 | 0°26 | 22°52 | 7° 2 | 17°56 | 9° 2 | 1°D19 | 1°46 | 10°13 | 25°37 | S 14 |
| S 15 | 3 38 49 | 23° 0'11 | 9♊43 | 5°23 | 9°55 | 1°57 | 0°21 | 22°56 | 7° 2 | 17°59 | 9° 4 | 1°19 | 1°42 | 10°20 | 25°35 | S 15 |
| M16 | 3 42 46 | 24° 0'07 | 23° 5 | 6°44 | 10°55 | 2°33 | 0°16 | 23° 1 | 7° 2 | 18° 1 | 9° 5 | 1°19 | 1°39 | 10°26 | 25°33 | M16 |
| T 17 | 3 46 42 | 25° 0'05 | 6♋ 6 | 8° 9 | 11°55 | 3° 9 | 0°10 | 23° 6 | 7° 2 | 18° 3 | 9° 7 | 1°20 | 1°36 | 10°33 | 25°30 | T 17 |
| W18 | 3 50 39 | 26° 0'05 | 18°47 | 9°36 | 12°55 | 3°44 | 0° 5 | 23°11 | 7° 1 | 18° 5 | 9° 9 | 1°21 | 1°33 | 10°40 | 25°28 | W18 |
| T 19 | 3 54 36 | 27° 0'06 | 1♌10 | 11° 5 | 13°54 | 4°20 | 29♊59 | 23°15 | 7° 1 | 18° 7 | 9°10 | 1°21 | 1°30 | 10°46 | 25°26 | T 19 |
| F 20 | 3 58 32 | 28° 0'10 | 13°19 | 12°36 | 14°53 | 4°56 | 29°53 | 23°20 | 7° 1 | 18° 9 | 9°12 | 1°21 | 1°27 | 10°53 | 25°24 | F 20 |
| S 21 | 4 2 29 | 29° 0'16 | 25°18 | 14° 8 | 15°51 | 5°31 | 29°47 | 23°25 | 7° 0 | 18°11 | 9°14 | 1°R21 | 1°23 | 11° 0 | 25°22 | S 21 |
| S 22 | 4 6 25 | 0♐ 0'24 | 7♍12 | 15°42 | 16°49 | 6° 7 | 29°41 | 23°31 | 7° 0 | 18°13 | 9°15 | 1°21 | 1°20 | 11° 7 | 25°19 | S 22 |
| M23 | 4 10 22 | 1° 0'34 | 19° 4 | 17°16 | 17°46 | 6°42 | 29°35 | 23°36 | 6°59 | 18°16 | 9°17 | 1°D21 | 1°17 | 11°13 | 25°17 | M23 |
| T 24 | 4 14 18 | 2° 0'45 | 1♎ 1 | 18°51 | 18°43 | 7°17 | 29°29 | 23°41 | 6°58 | 18°18 | 9°18 | 1°21 | 1°14 | 11°20 | 25°15 | T 24 |
| W25 | 4 18 15 | 3° 0'59 | 13° 5 | 20°26 | 19°40 | 7°53 | 29°22 | 23°46 | 6°58 | 18°20 | 9°20 | 1°22 | 1°11 | 11°27 | 25°13 | W25 |
| T 26 | 4 22 11 | 4° 1'15 | 25°22 | 22° 2 | 20°36 | 8°28 | 29°16 | 23°52 | 6°57 | 18°22 | 9°21 | 1°22 | 1° 8 | 11°33 | 25°11 | T 26 |
| F 27 | 4 26 8 | 5° 1'33 | 7♏52 | 23°38 | 21°31 | 9° 3 | 29° 9 | 23°57 | 6°56 | 18°24 | 9°23 | 1°22 | 1° 4 | 11°40 | 25° 9 | F 27 |
| S 28 | 4 30 5 | 6° 1'52 | 20°39 | 25°14 | 22°26 | 9°38 | 29° 2 | 24° 2 | 6°55 | 18°27 | 9°24 | 1°22 | 1° 1 | 11°47 | 25° 7 | S 28 |
| S 29 | 4 34 1 | 7° 2'13 | 3♐44 | 26°51 | 23°20 | 10°13 | 28°55 | 24° 8 | 6°54 | 18°29 | 9°25 | 1°R23 | 0°58 | 11°54 | 25° 5 | S 29 |
| M30 | 4 37 58 | 8♐ 2'36 | 17♐ 5 | 28♏27 | 24♑14 | 10♎48 | 28♊48 | 24♑14 | 6♌54 | 18♐31 | 9♎27 | 1♐22 | 0♐55 | 12♍ 0 | 25♈ 4 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s27 | 19s28 | 0s36 | 10s30 | 0n17 | 26s21 | 3s 7 | 3n50 | 1n24 | 22n38 | 0s41 | 21s20 | 0n12 | 18n58 | 0n33 | 21s16 | 1n28 | 10n28 | 15n 5 | 20s19 | 20s32 | 3n30 | 10n31 | 0n30 |
| M 2 | 14 45 | 20 55 | 0n36 | 10 1 | 0 35 | 26 25 | 3 9 | 3 36 | 1 24 | 22 38 | 0 41 | 21 20 | 0 11 | 18 58 | 0 33 | 21 16 | 1 28 | 10 28 | 15 6 | 20 19 | 20 32 | 3 27 | 10 30 | 0 30 |
| T 3 | 15 4 | 21 15 | 1 46 | 9 38 | 0 52 | 26 29 | 3 12 | 3 22 | 1 24 | 22 38 | 0 41 | 21 20 | 0 11 | 18 58 | 0 33 | 21 16 | 1 28 | 10 27 | 15 6 | 20 20 | 20 31 | 3 25 | 10 29 | 0 30 |
| W 4 | 15 22 | 20 22 | 2 52 | 9 21 | 1 7 | 26 32 | 3 14 | 3 8 | 1 24 | 22 38 | 0 41 | 21 19 | 0 11 | 18 58 | 0 33 | 21 17 | 1 28 | 10 27 | 15 6 | 20 20 | 20 31 | 3 23 | 10 28 | 0 30 |
| T 5 | 15 40 | 18 19 | 3 50 | 9 8 | 1 20 | 26 35 | 3 16 | 2 54 | 1 25 | 22 38 | 0 41 | 21 18 | 0 11 | 18 58 | 0 33 | 21 17 | 1 28 | 10 26 | 15 6 | 20 20 | 20 30 | 3 20 | 10 27 | 0 30 |
| F 6 | 15 58 | 15 12 | 4 35 | 9 2 | 1 32 | 26 37 | 3 18 | 2 40 | 1 25 | 22 38 | 0 41 | 21 18 | 0 11 | 18 58 | 0 33 | 21 17 | 1 28 | 10 26 | 15 7 | 20 20 | 20 29 | 3 18 | 10 26 | 0 30 |
| S 7 | 16 16 | 11 10 | 5 4 | 9 0 | 1 42 | 26 38 | 3 20 | 2 26 | 1 25 | 22 38 | 0 41 | 21 17 | 0 11 | 18 58 | 0 34 | 21 17 | 1 28 | 10 25 | 15 7 | 20 20 | 20 29 | 3 15 | 10 25 | 0 30 |
| S 8 | 16 33 | 6 29 | 5 16 | 9 4 | 1 50 | 26 39 | 3 22 | 2 12 | 1 25 | 22 38 | 0 41 | 21 17 | 0 11 | 18 57 | 0 34 | 21 18 | 1 28 | 10 25 | 15 7 | 20 20 | 20 28 | 3 13 | 10 24 | 0 30 |
| M 9 | 16 50 | 1 23 | 5 8 | 9 12 | 1 57 | 26 39 | 3 24 | 1 58 | 1 26 | 22 38 | 0 41 | 21 16 | 0 11 | 18 57 | 0 34 | 21 18 | 1 28 | 10 25 | 15 8 | 20 20 | 20 27 | 3 11 | 10 23 | 0 29 |
| T 10 | 17 7 | 3n50 | 4 41 | 9 25 | 2 2 | 26 39 | 3 25 | 1 44 | 1 26 | 22 38 | 0 41 | 21 16 | 0 11 | 18 57 | 0 34 | 21 18 | 1 28 | 10 24 | 15 8 | 20 20 | 20 27 | 3 8 | 10 22 | 0 29 |
| W11 | 17 23 | 8 51 | 3 55 | 9 41 | 2 6 | 26 38 | 3 27 | 1 29 | 1 26 | 22 38 | 0 41 | 21 15 | 0 11 | 18 58 | 0 34 | 21 18 | 1 28 | 10 24 | 15 8 | 20 19 | 20 26 | 3 6 | 10 21 | 0 29 |
| T 12 | 17 39 | 13 20 | 2 55 | 10 0 | 2 8 | 26 36 | 3 28 | 1 15 | 1 26 | 22 38 | 0 41 | 21 14 | 0 11 | 18 58 | 0 34 | 21 18 | 1 28 | 10 23 | 15 9 | 20 19 | 20 26 | 3 3 | 10 20 | 0 29 |
| F 13 | 17 55 | 17 1 | 1 45 | 10 22 | 2 10 | 26 34 | 3 29 | 1 1 | 1 27 | 22 38 | 0 41 | 21 14 | 0 10 | 18 58 | 0 34 | 21 19 | 1 28 | 10 23 | 15 9 | 20 19 | 20 25 | 3 1 | 10 19 | 0 29 |
| S 14 | 18 10 | 19 38 | 0 29 | 10 46 | 2 10 | 26 31 | 3 30 | 0 48 | 1 27 | 22 38 | 0 41 | 21 13 | 0 10 | 18 58 | 0 34 | 21 19 | 1 28 | 10 23 | 15 10 | 20 19 | 20 24 | 2 59 | 10 18 | 0 29 |
| S 15 | 18 26 | 21 2 | 0s46 | 11 13 | 2 9 | 26 27 | 3 31 | 0 34 | 1 27 | 22 38 | 0 41 | 21 12 | 0 10 | 18 58 | 0 34 | 21 19 | 1 28 | 10 22 | 15 10 | 20 19 | 20 24 | 2 56 | 10 17 | 0 29 |
| M16 | 18 40 | 21 10 | 1 58 | 11 41 | 2 8 | 26 23 | 3 32 | 0 20 | 1 27 | 22 38 | 0 41 | 21 12 | 0 10 | 18 58 | 0 34 | 21 19 | 1 28 | 10 22 | 15 10 | 20 19 | 20 23 | 2 54 | 10 16 | 0 29 |
| T 17 | 18 55 | 20 9 | 3 1 | 12 10 | 2 5 | 26 19 | 3 33 | 0 6 | 1 28 | 22 38 | 0 41 | 21 11 | 0 10 | 18 58 | 0 34 | 21 19 | 1 28 | 10 22 | 15 11 | 20 19 | 20 22 | 2 52 | 10 16 | 0 29 |
| W18 | 19 9 | 18 9 | 3 54 | 12 41 | 2 2 | 26 14 | 3 33 | 0s 8 | 1 28 | 22 38 | 0 41 | 21 10 | 0 10 | 18 58 | 0 34 | 21 20 | 1 28 | 10 22 | 15 11 | 20 19 | 20 22 | 2 49 | 10 15 | 0 29 |
| T 19 | 19 23 | 15 20 | 4 34 | 13 12 | 1 58 | 26 8 | 3 33 | 0 22 | 1 28 | 22 38 | 0 40 | 21 10 | 0 10 | 18 58 | 0 34 | 21 20 | 1 28 | 10 21 | 15 11 | 20 19 | 20 21 | 2 47 | 10 14 | 0 29 |
| F 20 | 19 37 | 11 54 | 5 2 | 13 43 | 1 54 | 26 2 | 3 34 | 0 36 | 1 28 | 22 38 | 0 40 | 21 9 | 0 10 | 18 58 | 0 34 | 21 20 | 1 28 | 10 21 | 15 12 | 20 19 | 20 20 | 2 44 | 10 13 | 0 28 |
| S 21 | 19 50 | 8 4 | 5 15 | 14 15 | 1 49 | 25 55 | 3 34 | 0 50 | 1 28 | 22 38 | 0 40 | 21 8 | 0 10 | 18 58 | 0 34 | 21 20 | 1 28 | 10 21 | 15 12 | 20 19 | 20 20 | 2 42 | 10 12 | 0 28 |
| S 22 | 20 3 | 3 56 | 5 16 | 14 47 | 1 44 | 25 47 | 3 33 | 1 3 | 1 29 | 22 38 | 0 40 | 21 7 | 0 10 | 18 59 | 0 34 | 21 20 | 1 28 | 10 21 | 15 13 | 20 19 | 20 19 | 2 40 | 10 11 | 0 28 |
| M23 | 20 15 | 0s20 | 5 2 | 15 19 | 1 39 | 25 40 | 3 33 | 1 17 | 1 29 | 22 38 | 0 40 | 21 6 | 0 10 | 18 59 | 0 34 | 21 21 | 1 28 | 10 20 | 15 13 | 20 19 | 20 19 | 2 37 | 10 10 | 0 28 |
| T 24 | 20 27 | 4 37 | 4 36 | 15 51 | 1 33 | 25 31 | 3 33 | 1 31 | 1 29 | 22 39 | 0 40 | 21 6 | 0 9 | 18 59 | 0 34 | 21 21 | 1 28 | 10 20 | 15 14 | 20 19 | 20 18 | 2 35 | 10 9 | 0 28 |
| W25 | 20 39 | 8 47 | 3 57 | 16 22 | 1 27 | 25 22 | 3 32 | 1 44 | 1 29 | 22 39 | 0 40 | 21 5 | 0 9 | 18 59 | 0 34 | 21 21 | 1 28 | 10 20 | 15 14 | 20 19 | 20 17 | 2 33 | 10 9 | 0 28 |
| T 26 | 20 50 | 12 39 | 3 7 | 16 53 | 1 21 | 25 13 | 3 31 | 1 58 | 1 30 | 22 39 | 0 40 | 21 4 | 0 9 | 18 59 | 0 34 | 21 21 | 1 28 | 10 20 | 15 14 | 20 20 | 20 17 | 2 30 | 10 8 | 0 28 |
| F 27 | 21 1 | 16 4 | 2 7 | 17 23 | 1 14 | 25 3 | 3 30 | 2 11 | 1 30 | 22 39 | 0 40 | 21 3 | 0 9 | 19 0 | 0 34 | 21 21 | 1 27 | 10 20 | 15 15 | 20 20 | 20 16 | 2 28 | 10 7 | 0 28 |
| S 28 | 21 12 | 18 46 | 0 59 | 17 53 | 1 8 | 24 53 | 3 28 | 2 25 | 1 30 | 22 39 | 0 40 | 21 2 | 0 9 | 19 0 | 0 34 | 21 22 | 1 27 | 10 20 | 15 15 | 20 20 | 20 15 | 2 26 | 10 6 | 0 28 |
| S 29 | 21 22 | 20 34 | 0n13 | 18 22 | 1 1 | 24 42 | 3 27 | 2 38 | 1 30 | 22 39 | 0 40 | 21 1 | 0 9 | 19 0 | 0 34 | 21 22 | 1 27 | 10 20 | 15 16 | 20 20 | 20 15 | 2 23 | 10 5 | 0 28 |
| M30 | 21s32 | 21s16 | 1n26 | 18s50 | 0n54 | 24s31 | 3s25 | 2s52 | 1n31 | 22n39 | 0s40 | 21s 1 | 0n 9 | 19n 0 | 0n34 | 21s22 | 1n27 | 10n19 | 15n16 | 20s20 | 20s14 | 2n21 | 10n 5 | 0n28 |

Julian Day Number = 2802847.5, Delta T = 50m49s
Ecliptic obliquity = 23°18'49, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°12'14, Lahiri = 37°19'14


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# ASTRODIENST EPHEMERIS for the year 2961
# geocentric

## DECEMBER 2961 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 41 54 | 9♐ 3'01 | 0♑41 | 0♐ 3 | 25♑ 7 | 11♎23 | 28°R40 | 24♑19 | 6°R53 | 18♐33 | 9♎28 | 1°R22 | 0♐52 | 12♍ 7 | 25°R 2 | T 1 |
| W 2 | 4 45 51 | 10° 3'27 | 14°30 | 1°39 | 25°59 | 11°58 | 28♊33 | 24°25 | 6♌51 | 18°35 | 9°29 | 1♐21 | 0°48 | 12°14 | 25♈ 0 | W 2 |
| T 3 | 4 49 47 | 11° 3'54 | 28°30 | 3°15 | 26°51 | 12°33 | 28°26 | 24°31 | 6°50 | 18°38 | 9°31 | 1°20 | 0°45 | 12°21 | 24°58 | T 3 |
| F 4 | 4 53 44 | 12° 4'23 | 12♒37 | 4°51 | 27°42 | 13° 8 | 28°18 | 24°37 | 6°49 | 18°40 | 9°32 | 1°18 | 0°42 | 12°27 | 24°57 | F 4 |
| S 5 | 4 57 40 | 13° 4'52 | 26°48 | 6°27 | 28°32 | 13°42 | 28°10 | 24°42 | 6°48 | 18°42 | 9°33 | 1°17 | 0°39 | 12°34 | 24°55 | S 5 |
| S 6 | 5 1 37 | 14° 5'23 | 11♓ 0 | 8° 3 | 29°21 | 14°17 | 28° 3 | 24°48 | 6°47 | 18°44 | 9°34 | 1°D17 | 0°36 | 12°41 | 24°54 | S 6 |
| M 7 | 5 5 34 | 15° 5'55 | 25°11 | 9°38 | 0♒10 | 14°51 | 27°55 | 24°54 | 6°46 | 18°47 | 9°36 | 1°17 | 0°33 | 12°47 | 24°52 | M 7 |
| T 8 | 5 9 30 | 16° 6'28 | 9♈19 | 11°13 | 0°58 | 15°26 | 27°47 | 25° 0 | 6°44 | 18°49 | 9°37 | 1°18 | 0°29 | 12°54 | 24°51 | T 8 |
| W 9 | 5 13 27 | 17° 7'03 | 23°22 | 12°49 | 1°45 | 16° 0 | 27°39 | 25° 6 | 6°43 | 18°51 | 9°38 | 1°19 | 0°26 | 13° 1 | 24°49 | W 9 |
| T 10 | 5 17 23 | 18° 7'38 | 7♉18 | 14°24 | 2°31 | 16°35 | 27°31 | 25°13 | 6°41 | 18°53 | 9°39 | 1°20 | 0°23 | 13° 8 | 24°48 | T 10 |
| F 11 | 5 21 20 | 19° 8'15 | 21° 4 | 15°58 | 3°16 | 17° 9 | 27°23 | 25°19 | 6°40 | 18°56 | 9°40 | 1°21 | 0°20 | 13°14 | 24°46 | F 11 |
| S 12 | 5 25 16 | 20° 8'53 | 4♊39 | 17°33 | 4° 0 | 17°43 | 27°15 | 25°25 | 6°38 | 18°58 | 9°41 | 1°R22 | 0°17 | 13°21 | 24°45 | S 12 |
| S 13 | 5 29 13 | 21° 9'32 | 18° 1 | 19° 8 | 4°43 | 18°17 | 27° 7 | 25°31 | 6°37 | 19° 0 | 9°42 | 1°21 | 0°14 | 13°28 | 24°44 | S 13 |
| M14 | 5 33 9 | 22°10'12 | 1♋ 9 | 20°42 | 5°24 | 18°51 | 26°59 | 25°38 | 6°35 | 19° 2 | 9°43 | 1°19 | 0°10 | 13°34 | 24°43 | M14 |
| T 15 | 5 37 6 | 23°10'54 | 14° 0 | 22°17 | 6° 5 | 19°25 | 26°51 | 25°44 | 6°34 | 19° 5 | 9°44 | 1°16 | 0° 7 | 13°41 | 24°42 | T 15 |
| W16 | 5 41 3 | 24°11'37 | 26°37 | 23°51 | 6°45 | 19°59 | 26°43 | 25°50 | 6°32 | 19° 7 | 9°45 | 1°12 | 0° 4 | 13°48 | 24°40 | W16 |
| T 17 | 5 44 59 | 25°12'21 | 8♌58 | 25°25 | 7°23 | 20°33 | 26°34 | 25°57 | 6°30 | 19° 9 | 9°46 | 1° 8 | 0° 1 | 13°55 | 24°39 | T 17 |
| F 18 | 5 48 56 | 26°13'07 | 21° 7 | 26°59 | 8° 0 | 21° 6 | 26°26 | 26° 3 | 6°28 | 19°11 | 9°46 | 1° 4 | 29♏58 | 14° 1 | 24°38 | F 18 |
| S 19 | 5 52 52 | 27°13'54 | 3♍ 7 | 28°33 | 8°36 | 21°40 | 26°18 | 26°10 | 6°27 | 19°14 | 9°47 | 1° 1 | 29°54 | 14° 8 | 24°38 | S 19 |
| S 20 | 5 56 49 | 28°14'42 | 15° 0 | 0♑ 7 | 9°10 | 22°14 | 26°10 | 26°16 | 6°25 | 19°16 | 9°48 | 0°59 | 29°51 | 14°15 | 24°37 | S 20 |
| M21 | 6 0 45 | 29°15'32 | 26°52 | 1°42 | 9°43 | 22°47 | 26° 2 | 26°23 | 6°23 | 19°18 | 9°49 | 0°D58 | 29°48 | 14°22 | 24°36 | M21 |
| T 22 | 6 4 42 | 0♑16'23 | 8♎47 | 3°16 | 10°14 | 23°21 | 25°54 | 26°29 | 6°21 | 19°20 | 9°49 | 0°58 | 29°45 | 14°28 | 24°35 | T 22 |
| W23 | 6 8 39 | 1°17'15 | 20°50 | 4°50 | 10°44 | 23°54 | 25°46 | 26°36 | 6°19 | 19°23 | 9°50 | 1° 0 | 29°42 | 14°35 | 24°34 | W23 |
| T 24 | 6 12 35 | 2°18'09 | 3♏ 6 | 6°24 | 11°12 | 24°27 | 25°37 | 26°43 | 6°17 | 19°25 | 9°51 | 1° 1 | 29°39 | 14°42 | 24°34 | T 24 |
| F 25 | 6 16 32 | 3°19'03 | 15°40 | 7°58 | 11°39 | 25° 0 | 25°29 | 26°49 | 6°15 | 19°27 | 9°51 | 1° 3 | 29°35 | 14°48 | 24°33 | F 25 |
| S 26 | 6 20 28 | 4°19'59 | 28°34 | 9°32 | 12° 4 | 25°33 | 25°21 | 26°56 | 6°13 | 19°29 | 9°52 | 1°R 4 | 29°32 | 14°55 | 24°32 | S 26 |
| S 27 | 6 24 25 | 5°20'56 | 11♐52 | 11° 7 | 12°27 | 26° 6 | 25°13 | 27° 3 | 6°11 | 19°31 | 9°52 | 1° 3 | 29°29 | 15° 2 | 24°32 | S 27 |
| M28 | 6 28 21 | 6°21'54 | 25°32 | 12°41 | 12°48 | 26°39 | 25° 6 | 27°10 | 6° 9 | 19°34 | 9°53 | 1° 1 | 29°26 | 15° 9 | 24°32 | M28 |
| T 29 | 6 32 18 | 7°22'53 | 9♑33 | 14°16 | 13° 8 | 27°12 | 24°58 | 27°17 | 6° 7 | 19°36 | 9°53 | 0°57 | 29°23 | 15°15 | 24°31 | T 29 |
| W30 | 6 36 14 | 8°23'53 | 23°52 | 15°50 | 13°25 | 27°45 | 24°50 | 27°24 | 6° 4 | 19°38 | 9°54 | 0°52 | 29°20 | 15°22 | 24°31 | W30 |
| T 31 | 6 40 11 | 9♑24'53 | 8♒22 | 17♑25 | 13♒40 | 28♎17 | 24♊42 | 27♑30 | 6♌ 2 | 19♐40 | 9♎54 | 0♐46 | 29♏16 | 15♍29 | 24♈31 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s41 | 20s43 | 2n35 | 19s17 | 0n47 | 24s20 | 3s23 | 3s 5 | 1n31 | 22n39 | 0s40 | 21s 0 | 0n 9 | 19n 1 | 0n34 | 21s22 | 1n27 | 10n19 | 15n17 | 20s19 | 20s13 | 2n18 | 10n 4 | 0n27 |
| W 2 | 21 50 | 18 56 | 3 37 | 19 44 | 0 40 | 24 8 | 3 21 | 3 19 | 1 31 | 22 39 | 0 40 | 20 59 | 0 9 | 19 1 | 0 34 | 21 22 | 1 27 | 10 19 | 15 17 | 20 19 | 20 13 | 2 16 | 10 3 | 0 27 |
| T 3 | 21 59 | 16 0 | 4 26 | 20 9 | 0 33 | 23 56 | 3 19 | 3 32 | 1 31 | 22 39 | 0 40 | 20 58 | 0 9 | 19 1 | 0 34 | 21 23 | 1 27 | 10 19 | 15 18 | 20 19 | 20 12 | 2 14 | 10 3 | 0 27 |
| F 4 | 22 7 | 12 8 | 5 0 | 20 34 | 0 26 | 23 43 | 3 16 | 3 45 | 1 31 | 22 39 | 0 39 | 20 57 | 0 9 | 19 2 | 0 35 | 21 23 | 1 27 | 10 19 | 15 18 | 20 19 | 20 11 | 2 11 | 10 2 | 0 27 |
| S 5 | 22 15 | 7 34 | 5 15 | 20 57 | 0 19 | 23 30 | 3 13 | 3 58 | 1 32 | 22 39 | 0 39 | 20 56 | 0 9 | 19 2 | 0 35 | 21 23 | 1 27 | 10 19 | 15 19 | 20 19 | 20 11 | 2 9 | 10 1 | 0 27 |
| S 6 | 22 22 | 2 35 | 5 12 | 21 20 | 0 12 | 23 17 | 3 10 | 4 11 | 1 32 | 22 39 | 0 39 | 20 55 | 0 8 | 19 2 | 0 35 | 21 23 | 1 27 | 10 19 | 15 19 | 20 19 | 20 10 | 2 7 | 10 0 | 0 27 |
| M 7 | 22 29 | 2n32 | 4 49 | 21 41 | 0 5 | 23 3 | 3 7 | 4 24 | 1 32 | 22 39 | 0 39 | 20 54 | 0 8 | 19 3 | 0 35 | 21 23 | 1 27 | 10 19 | 15 20 | 20 19 | 20 9 | 2 4 | 10 0 | 0 27 |
| T 8 | 22 36 | 7 30 | 4 9 | 22 2 | 0s 2 | 22 49 | 3 3 | 4 37 | 1 32 | 22 39 | 0 39 | 20 53 | 0 8 | 19 3 | 0 35 | 21 24 | 1 27 | 10 19 | 15 20 | 20 19 | 20 9 | 2 2 | 9 59 | 0 27 |
| W 9 | 22 42 | 12 3 | 3 15 | 22 21 | 0 8 | 22 35 | 2 59 | 4 50 | 1 32 | 22 39 | 0 39 | 20 52 | 0 8 | 19 3 | 0 35 | 21 24 | 1 27 | 10 19 | 15 21 | 20 19 | 20 8 | 2 0 | 9 59 | 0 27 |
| T 10 | 22 47 | 15 54 | 2 9 | 22 39 | 0 15 | 22 20 | 2 55 | 5 3 | 1 33 | 22 39 | 0 39 | 20 51 | 0 8 | 19 4 | 0 35 | 21 24 | 1 27 | 10 19 | 15 21 | 20 19 | 20 7 | 1 57 | 9 58 | 0 27 |
| F 11 | 22 52 | 18 50 | 0 57 | 22 57 | 0 22 | 22 6 | 2 51 | 5 16 | 1 33 | 22 38 | 0 39 | 20 50 | 0 8 | 19 4 | 0 35 | 21 24 | 1 27 | 10 19 | 15 22 | 20 19 | 20 7 | 1 55 | 9 57 | 0 27 |
| S 12 | 22 57 | 20 40 | 0s18 | 23 12 | 0 28 | 21 51 | 2 46 | 5 29 | 1 33 | 22 38 | 0 39 | 20 49 | 0 8 | 19 5 | 0 35 | 21 24 | 1 27 | 10 19 | 15 22 | 20 19 | 20 6 | 1 52 | 9 57 | 0 26 |
| S 13 | 23 1 | 21 16 | 1 31 | 23 27 | 0 35 | 21 36 | 2 41 | 5 42 | 1 33 | 22 38 | 0 39 | 20 48 | 0 8 | 19 5 | 0 35 | 21 25 | 1 27 | 10 19 | 15 23 | 20 19 | 20 5 | 1 50 | 9 56 | 0 26 |
| M14 | 23 5 | 20 42 | 2 37 | 23 41 | 0 41 | 21 20 | 2 36 | 5 54 | 1 33 | 22 38 | 0 38 | 20 47 | 0 8 | 19 5 | 0 35 | 21 25 | 1 27 | 10 20 | 15 23 | 20 19 | 20 5 | 1 48 | 9 56 | 0 26 |
| T 15 | 23 8 | 19 2 | 3 34 | 23 53 | 0 48 | 21 5 | 2 30 | 6 7 | 1 34 | 22 38 | 0 38 | 20 46 | 0 8 | 19 6 | 0 35 | 21 25 | 1 27 | 10 20 | 15 24 | 20 18 | 20 4 | 1 45 | 9 55 | 0 26 |
| W16 | 23 11 | 16 29 | 4 19 | 24 4 | 0 54 | 20 49 | 2 24 | 6 19 | 1 34 | 22 38 | 0 38 | 20 44 | 0 8 | 19 6 | 0 35 | 21 25 | 1 27 | 10 20 | 15 24 | 20 18 | 20 3 | 1 43 | 9 55 | 0 26 |
| T 17 | 23 14 | 13 14 | 4 51 | 24 14 | 1 0 | 20 33 | 2 18 | 6 32 | 1 34 | 22 38 | 0 38 | 20 43 | 0 8 | 19 7 | 0 35 | 21 25 | 1 27 | 10 20 | 15 25 | 20 17 | 20 3 | 1 41 | 9 54 | 0 26 |
| F 18 | 23 16 | 9 30 | 5 9 | 24 22 | 1 6 | 20 18 | 2 12 | 6 44 | 1 34 | 22 38 | 0 38 | 20 42 | 0 8 | 19 7 | 0 35 | 21 25 | 1 27 | 10 20 | 15 25 | 20 16 | 20 2 | 1 38 | 9 54 | 0 26 |
| S 19 | 23 17 | 5 26 | 5 13 | 24 30 | 1 11 | 20 2 | 2 5 | 6 57 | 1 34 | 22 38 | 0 38 | 20 41 | 0 7 | 19 8 | 0 35 | 21 26 | 1 27 | 10 20 | 15 26 | 20 15 | 20 1 | 1 36 | 9 53 | 0 26 |
| S 20 | 23 18 | 1 12 | 5 4 | 24 35 | 1 17 | 19 46 | 1 58 | 7 9 | 1 35 | 22 38 | 0 38 | 20 40 | 0 7 | 19 8 | 0 35 | 21 26 | 1 27 | 10 21 | 15 26 | 20 15 | 20 1 | 1 34 | 9 53 | 0 26 |
| M21 | 23 19 | 3s 5 | 4 42 | 24 40 | 1 22 | 19 30 | 1 50 | 7 21 | 1 35 | 22 38 | 0 38 | 20 39 | 0 7 | 19 9 | 0 35 | 21 26 | 1 27 | 10 21 | 15 27 | 20 15 | 20 0 | 1 31 | 9 53 | 0 26 |
| T 22 | 23 19 | 7 16 | 4 8 | 24 43 | 1 27 | 19 13 | 1 42 | 7 33 | 1 35 | 22 38 | 0 37 | 20 38 | 0 7 | 19 9 | 0 35 | 21 26 | 1 27 | 10 21 | 15 27 | 20 15 | 19 59 | 1 29 | 9 52 | 0 25 |
| W23 | 23 18 | 11 13 | 3 23 | 24 46 | 1 32 | 18 57 | 1 34 | 7 45 | 1 35 | 22 38 | 0 37 | 20 36 | 0 7 | 19 10 | 0 35 | 21 26 | 1 27 | 10 21 | 15 28 | 20 15 | 19 59 | 1 27 | 9 52 | 0 25 |
| T 24 | 23 18 | 14 47 | 2 27 | 24 46 | 1 37 | 18 41 | 1 25 | 7 57 | 1 35 | 22 37 | 0 37 | 20 35 | 0 7 | 19 10 | 0 35 | 21 27 | 1 27 | 10 21 | 15 28 | 20 15 | 19 58 | 1 24 | 9 52 | 0 25 |
| F 25 | 23 16 | 17 46 | 1 23 | 24 46 | 1 41 | 18 25 | 1 16 | 8 9 | 1 35 | 22 37 | 0 37 | 20 34 | 0 7 | 19 11 | 0 35 | 21 27 | 1 27 | 10 22 | 15 29 | 20 16 | 19 57 | 1 22 | 9 51 | 0 25 |
| S 26 | 23 15 | 19 57 | 0 14 | 24 43 | 1 45 | 18 9 | 1 7 | 8 21 | 1 36 | 22 37 | 0 37 | 20 33 | 0 7 | 19 11 | 0 35 | 21 27 | 1 27 | 10 22 | 15 29 | 20 16 | 19 57 | 1 20 | 9 51 | 0 25 |
| S 27 | 23 12 | 21 7 | 0n59 | 24 40 | 1 49 | 17 54 | 0 57 | 8 32 | 1 36 | 22 37 | 0 37 | 20 32 | 0 7 | 19 12 | 0 35 | 21 27 | 1 27 | 10 22 | 15 30 | 20 16 | 19 56 | 1 17 | 9 51 | 0 25 |
| M28 | 23 10 | 21 5 | 2 9 | 24 35 | 1 53 | 17 38 | 0 47 | 8 44 | 1 36 | 22 37 | 0 36 | 20 30 | 0 7 | 19 12 | 0 35 | 21 27 | 1 27 | 10 23 | 15 31 | 20 15 | 19 55 | 1 15 | 9 50 | 0 25 |
| T 29 | 23 7 | 19 45 | 3 14 | 24 29 | 1 57 | 17 22 | 0 36 | 8 56 | 1 36 | 22 37 | 0 36 | 20 29 | 0 7 | 19 13 | 0 35 | 21 27 | 1 27 | 10 23 | 15 31 | 20 15 | 19 55 | 1 13 | 9 50 | 0 25 |
| W30 | 23 3 | 17 9 | 4 8 | 24 22 | 2 0 | 17 7 | 0 25 | 9 7 | 1 36 | 22 37 | 0 36 | 20 28 | 0 7 | 19 13 | 0 35 | 21 27 | 1 27 | 10 23 | 15 32 | 20 13 | 19 54 | 1 10 | 9 50 | 0 25 |
| T 31 | 22s59 | 13s28 | 4n47 | 24s13 | 2s 3 | 16s52 | 0s14 | 9s18 | 1n36 | 22n37 | 0s36 | 20s27 | 0n 7 | 19n14 | 0n35 | 21s28 | 1n27 | 10n24 | 15n32 | 20s12 | 19s53 | 1n 8 | 9n50 | 0n25 |

Julian Day Number = 2802877.5, Delta T = 50m49s
Ecliptic obliquity = 23°18'48, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°12'18, Lahiri = 37°19'18


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# ASTRODIENST EPHEMERIS for the year 2962
# geocentric

## JANUARY 2962 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 6 44 8 | 10♑25'54 | 22♒57 | 19♑ 0 | 13♒53 | 28♎50 | 24°R35 | 27♑37 | 6°R 0 | 19♐42 | 9♎55 | 0°R39 | 29♏13 | 15♍35 | 24°R30 | F 1 |
| S 2 | 6 48 4 | 11°26'55 | 7♓30 | 20°34 | 14° 4 | 29°22 | 24♊27 | 27°44 | 5♌58 | 19°44 | 9°55 | 0♐34 | 29°10 | 15°42 | 24♈30 | S 2 |
| S 3 | 6 52 1 | 12°27'56 | 21°56 | 22° 9 | 14°13 | 29°54 | 24°20 | 27°51 | 5°55 | 19°46 | 9°55 | 0°30 | 29° 7 | 15°49 | 24°30 | S 3 |
| M 4 | 6 55 57 | 13°28'58 | 6♈10 | 23°44 | 14°19 | 0♏26 | 24°12 | 27°58 | 5°53 | 19°49 | 9°55 | 0°29 | 29° 4 | 15°56 | 24°30 | M 4 |
| T 5 | 6 59 54 | 14°30'00 | 20°12 | 25°19 | 14°23 | 0°58 | 24° 5 | 28° 5 | 5°51 | 19°51 | 9°56 | 0°D28 | 29° 0 | 16° 2 | 24°D30 | T 5 |
| W 6 | 7 3 50 | 15°31'02 | 3♉59 | 26°54 | 14°R25 | 1°30 | 23°58 | 28°12 | 5°48 | 19°53 | 9°56 | 0°29 | 28°57 | 16° 9 | 24°30 | W 6 |
| T 7 | 7 7 47 | 16°32'05 | 17°33 | 28°29 | 14°24 | 2° 2 | 23°51 | 28°19 | 5°46 | 19°55 | 9°56 | 0°31 | 28°54 | 16°16 | 24°30 | T 7 |
| F 8 | 7 11 43 | 17°33'08 | 0♊55 | 0♒ 3 | 14°21 | 2°34 | 23°44 | 28°26 | 5°43 | 19°57 | 9°56 | 0°R31 | 28°51 | 16°22 | 24°30 | F 8 |
| S 9 | 7 15 40 | 18°34'11 | 14° 4 | 1°38 | 14°15 | 3° 5 | 23°37 | 28°33 | 5°41 | 19°59 | 9°56 | 0°30 | 28°48 | 16°29 | 24°31 | S 9 |
| S 10 | 7 19 37 | 19°35'14 | 27° 2 | 3°12 | 14° 7 | 3°37 | 23°31 | 28°40 | 5°39 | 20° 1 | 9°56 | 0°27 | 28°45 | 16°36 | 24°31 | S 10 |
| M11 | 7 23 33 | 20°36'18 | 9♋49 | 4°46 | 13°56 | 4° 8 | 23°24 | 28°47 | 5°36 | 20° 3 | 9°R56 | 0°22 | 28°41 | 16°43 | 24°31 | M11 |
| T 12 | 7 27 30 | 21°37'21 | 22°25 | 6°19 | 13°42 | 4°39 | 23°18 | 28°54 | 5°34 | 20° 5 | 9°56 | 0°14 | 28°38 | 16°49 | 24°32 | T 12 |
| W13 | 7 31 26 | 22°38'25 | 4♌51 | 7°52 | 13°26 | 5°10 | 23°12 | 29° 2 | 5°31 | 20° 7 | 9°56 | 0° 4 | 28°35 | 16°56 | 24°32 | W13 |
| T 14 | 7 35 23 | 23°39'30 | 17° 5 | 9°24 | 13° 8 | 5°41 | 23° 6 | 29° 9 | 5°29 | 20° 9 | 9°56 | 29♏53 | 28°32 | 17° 3 | 24°32 | T 14 |
| F 15 | 7 39 19 | 24°40'34 | 29°10 | 10°55 | 12°47 | 6°12 | 23° 0 | 29°16 | 5°26 | 20°11 | 9°56 | 29°42 | 28°29 | 17° 9 | 24°33 | F 15 |
| S 16 | 7 43 16 | 25°41'39 | 11♍ 8 | 12°24 | 12°25 | 6°43 | 22°54 | 29°23 | 5°24 | 20°13 | 9°56 | 29°33 | 28°26 | 17°16 | 24°34 | S 16 |
| S 17 | 7 47 12 | 26°42'44 | 23° 0 | 13°53 | 12° 0 | 7°13 | 22°48 | 29°30 | 5°21 | 20°15 | 9°56 | 29°25 | 28°22 | 17°23 | 24°34 | S 17 |
| M18 | 7 51 9 | 27°43'50 | 4♎50 | 15°19 | 11°32 | 7°44 | 22°43 | 29°37 | 5°18 | 20°17 | 9°56 | 29°20 | 28°19 | 17°30 | 24°35 | M18 |
| T 19 | 7 55 6 | 28°44'55 | 16°43 | 16°44 | 11° 3 | 8°14 | 22°38 | 29°44 | 5°16 | 20°18 | 9°55 | 29°17 | 28°16 | 17°36 | 24°36 | T 19 |
| W20 | 7 59 2 | 29°46'02 | 28°42 | 18° 5 | 10°33 | 8°44 | 22°33 | 29°51 | 5°13 | 20°20 | 9°55 | 29°D16 | 28°13 | 17°43 | 24°37 | W20 |
| T 21 | 8 2 59 | 0♒47'08 | 10♏55 | 19°24 | 10° 1 | 9°14 | 22°28 | 29°58 | 5°11 | 20°22 | 9°55 | 29°16 | 28°10 | 17°50 | 24°38 | T 21 |
| F 22 | 8 6 55 | 1°48'15 | 23°25 | 20°39 | 9°27 | 9°44 | 22°23 | 0♒ 6 | 5° 8 | 20°24 | 9°54 | 29°R17 | 28° 6 | 17°56 | 24°38 | F 22 |
| S 23 | 8 10 52 | 2°49'21 | 6♐17 | 21°50 | 8°52 | 10°14 | 22°18 | 0°13 | 5° 5 | 20°26 | 9°54 | 29°17 | 28° 3 | 18° 3 | 24°39 | S 23 |
| S 24 | 8 14 48 | 3°50'28 | 19°36 | 22°56 | 8°17 | 10°43 | 22°14 | 0°20 | 5° 3 | 20°27 | 9°54 | 29°15 | 28° 0 | 18°10 | 24°41 | S 24 |
| M25 | 8 18 45 | 4°51'36 | 3♑23 | 23°56 | 7°41 | 11°13 | 22°10 | 0°27 | 5° 0 | 20°29 | 9°53 | 29°10 | 27°57 | 18°17 | 24°42 | M25 |
| T 26 | 8 22 41 | 5°52'43 | 17°38 | 24°50 | 7° 4 | 11°42 | 22° 6 | 0°34 | 4°58 | 20°31 | 9°53 | 29° 3 | 27°54 | 18°23 | 24°43 | T 26 |
| W27 | 8 26 38 | 6°53'50 | 2♒16 | 25°36 | 6°27 | 12°11 | 22° 2 | 0°41 | 4°55 | 20°33 | 9°52 | 28°54 | 27°51 | 18°30 | 24°44 | W27 |
| T 28 | 8 30 35 | 7°54'56 | 17°12 | 26°14 | 5°51 | 12°40 | 21°58 | 0°48 | 4°52 | 20°34 | 9°52 | 28°43 | 27°47 | 18°37 | 24°45 | T 28 |
| F 29 | 8 34 31 | 8°56'02 | 2♓14 | 26°43 | 5°14 | 13° 8 | 21°55 | 0°55 | 4°50 | 20°36 | 9°51 | 28°32 | 27°44 | 18°43 | 24°47 | F 29 |
| S 30 | 8 38 28 | 9°57'08 | 17°14 | 27° 2 | 4°39 | 13°37 | 21°51 | 1° 2 | 4°47 | 20°38 | 9°51 | 28°22 | 27°41 | 18°50 | 24°48 | S 30 |
| S 31 | 8 42 24 | 10♒58'13 | 2♈ 2 | 27°R10 | 4♒ 4 | 14♏ 5 | 21♊48 | 1♒10 | 4♌45 | 20♐39 | 9♎50 | 28♏15 | 27♏38 | 18♍57 | 24♈49 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s54 | 8s57 | 5n 7 | 24s 3 | 2s 5 | 16s37 | 0s 2 | 9s30 | 1n37 | 22n36 | 0s36 | 20s25 | 0n 6 | 19n15 | 0n35 | 21s28 | 1n27 | 10n24 | 15n33 | 20s11 | 19s53 | 1n 6 | 9n50 | 0n24 |
| S 2 | 22 49 | 3 57 | 5 7 | 23 51 | 2 7 | 16 22 | 0n10 | 9 41 | 1 37 | 22 36 | 0 36 | 20 24 | 0 6 | 19 15 | 0 35 | 21 28 | 1 27 | 10 24 | 15 33 | 20 10 | 19 52 | 1 3 | 9 49 | 0 24 |
| S 3 | 22 44 | 1n14 | 4 48 | 23 38 | 2 9 | 16 7 | 0 22 | 9 52 | 1 37 | 22 36 | 0 35 | 20 23 | 0 6 | 19 16 | 0 35 | 21 28 | 1 27 | 10 25 | 15 34 | 20 9 | 19 51 | 1 1 | 9 49 | 0 24 |
| M 4 | 22 38 | 6 18 | 4 12 | 23 23 | 2 11 | 15 53 | 0 35 | 10 3 | 1 37 | 22 36 | 0 35 | 20 21 | 0 6 | 19 16 | 0 35 | 21 28 | 1 27 | 10 25 | 15 34 | 20 9 | 19 51 | 0 59 | 9 49 | 0 24 |
| T 5 | 22 32 | 10 57 | 3 21 | 23 7 | 2 12 | 15 40 | 0 48 | 10 14 | 1 37 | 22 36 | 0 35 | 20 20 | 0 6 | 19 17 | 0 35 | 21 28 | 1 28 | 10 26 | 15 35 | 20 9 | 19 50 | 0 56 | 9 49 | 0 24 |
| W 6 | 22 25 | 14 57 | 2 18 | 22 50 | 2 13 | 15 26 | 1 2 | 10 25 | 1 37 | 22 36 | 0 35 | 20 19 | 0 6 | 19 18 | 0 35 | 21 28 | 1 28 | 10 26 | 15 35 | 20 9 | 19 49 | 0 54 | 9 49 | 0 24 |
| T 7 | 22 18 | 18 6 | 1 10 | 22 32 | 2 13 | 15 13 | 1 16 | 10 35 | 1 37 | 22 36 | 0 35 | 20 17 | 0 6 | 19 18 | 0 35 | 21 29 | 1 28 | 10 26 | 15 36 | 20 9 | 19 49 | 0 52 | 9 49 | 0 24 |
| F 8 | 22 10 | 20 12 | 0s 2 | 22 12 | 2 13 | 15 0 | 1 30 | 10 46 | 1 38 | 22 35 | 0 35 | 20 16 | 0 6 | 19 19 | 0 35 | 21 29 | 1 28 | 10 27 | 15 37 | 20 9 | 19 48 | 0 49 | 9 49 | 0 24 |
| S 9 | 22 2 | 21 10 | 1 12 | 21 50 | 2 12 | 14 48 | 1 44 | 10 57 | 1 38 | 22 35 | 0 34 | 20 15 | 0 6 | 19 19 | 0 35 | 21 29 | 1 28 | 10 27 | 15 37 | 20 9 | 19 47 | 0 47 | 9 49 | 0 24 |
| S 10 | 21 54 | 20 59 | 2 18 | 21 28 | 2 11 | 14 36 | 1 59 | 11 7 | 1 38 | 22 35 | 0 34 | 20 13 | 0 6 | 19 20 | 0 35 | 21 29 | 1 28 | 10 28 | 15 38 | 20 8 | 19 46 | 0 45 | 9 49 | 0 24 |
| M11 | 21 45 | 19 43 | 3 15 | 21 4 | 2 9 | 14 25 | 2 14 | 11 17 | 1 38 | 22 35 | 0 34 | 20 12 | 0 6 | 19 21 | 0 35 | 21 29 | 1 28 | 10 28 | 15 38 | 20 7 | 19 46 | 0 42 | 9 49 | 0 24 |
| T 12 | 21 35 | 17 29 | 4 2 | 20 39 | 2 7 | 14 14 | 2 30 | 11 28 | 1 38 | 22 35 | 0 34 | 20 11 | 0 6 | 19 21 | 0 36 | 21 29 | 1 28 | 10 29 | 15 39 | 20 5 | 19 45 | 0 40 | 9 49 | 0 23 |
| W13 | 21 25 | 14 29 | 4 36 | 20 12 | 2 4 | 14 4 | 2 45 | 11 38 | 1 38 | 22 35 | 0 34 | 20 9 | 0 6 | 19 22 | 0 36 | 21 29 | 1 28 | 10 29 | 15 39 | 20 3 | 19 44 | 0 38 | 9 49 | 0 23 |
| T 14 | 21 15 | 10 54 | 4 57 | 19 45 | 2 0 | 13 54 | 3 0 | 11 48 | 1 38 | 22 35 | 0 33 | 20 8 | 0 6 | 19 23 | 0 36 | 21 30 | 1 28 | 10 30 | 15 40 | 20 1 | 19 44 | 0 35 | 9 49 | 0 23 |
| F 15 | 21 5 | 6 56 | 5 5 | 19 16 | 1 56 | 13 45 | 3 16 | 11 58 | 1 38 | 22 35 | 0 33 | 20 7 | 0 5 | 19 23 | 0 36 | 21 30 | 1 28 | 10 30 | 15 40 | 19 59 | 19 43 | 0 33 | 9 49 | 0 23 |
| S 16 | 20 54 | 2 44 | 4 59 | 18 46 | 1 51 | 13 36 | 3 32 | 12 8 | 1 39 | 22 34 | 0 33 | 20 5 | 0 5 | 19 24 | 0 36 | 21 30 | 1 28 | 10 31 | 15 41 | 19 57 | 19 42 | 0 31 | 9 50 | 0 23 |
| S 17 | 20 42 | 1s31 | 4 40 | 18 16 | 1 46 | 13 28 | 3 47 | 12 18 | 1 39 | 22 34 | 0 33 | 20 4 | 0 5 | 19 24 | 0 36 | 21 30 | 1 28 | 10 31 | 15 41 | 19 55 | 19 42 | 0 28 | 9 50 | 0 23 |
| M18 | 20 30 | 5 43 | 4 9 | 17 44 | 1 39 | 13 20 | 4 3 | 12 27 | 1 39 | 22 34 | 0 33 | 20 2 | 0 5 | 19 25 | 0 36 | 21 30 | 1 28 | 10 32 | 15 42 | 19 54 | 19 41 | 0 26 | 9 50 | 0 23 |
| T 19 | 20 18 | 9 43 | 3 27 | 17 12 | 1 32 | 13 13 | 4 18 | 12 37 | 1 39 | 22 34 | 0 32 | 20 1 | 0 5 | 19 26 | 0 36 | 21 30 | 1 28 | 10 33 | 15 43 | 19 53 | 19 40 | 0 24 | 9 50 | 0 23 |
| W20 | 20 6 | 13 23 | 2 36 | 16 40 | 1 24 | 13 7 | 4 33 | 12 46 | 1 39 | 22 34 | 0 32 | 19 59 | 0 5 | 19 26 | 0 36 | 21 30 | 1 28 | 10 33 | 15 43 | 19 53 | 19 39 | 0 21 | 9 50 | 0 23 |
| T 21 | 19 53 | 16 33 | 1 37 | 16 7 | 1 15 | 13 1 | 4 48 | 12 56 | 1 39 | 22 34 | 0 32 | 19 58 | 0 5 | 19 27 | 0 36 | 21 30 | 1 28 | 10 34 | 15 44 | 19 53 | 19 39 | 0 19 | 9 51 | 0 23 |
| F 22 | 19 39 | 19 2 | 0 31 | 15 34 | 1 5 | 12 56 | 5 2 | 13 5 | 1 39 | 22 34 | 0 32 | 19 57 | 0 5 | 19 28 | 0 36 | 21 30 | 1 28 | 10 34 | 15 44 | 19 53 | 19 38 | 0 17 | 9 51 | 0 22 |
| S 23 | 19 26 | 20 38 | 0n37 | 15 1 | 0 54 | 12 51 | 5 16 | 13 14 | 1 39 | 22 34 | 0 32 | 19 55 | 0 5 | 19 28 | 0 36 | 21 31 | 1 28 | 10 35 | 15 45 | 19 53 | 19 37 | 0 14 | 9 51 | 0 22 |
| S 24 | 19 11 | 21 9 | 1 46 | 14 28 | 0 42 | 12 47 | 5 30 | 13 23 | 1 39 | 22 34 | 0 31 | 19 54 | 0 5 | 19 29 | 0 36 | 21 31 | 1 28 | 10 36 | 15 45 | 19 53 | 19 37 | 0 12 | 9 51 | 0 22 |
| M25 | 18 57 | 20 25 | 2 51 | 13 56 | 0 30 | 12 44 | 5 43 | 13 32 | 1 39 | 22 34 | 0 31 | 19 52 | 0 5 | 19 30 | 0 36 | 21 31 | 1 28 | 10 36 | 15 46 | 19 52 | 19 36 | 0 10 | 9 52 | 0 22 |
| T 26 | 18 42 | 18 24 | 3 47 | 13 26 | 0 16 | 12 41 | 5 55 | 13 41 | 1 40 | 22 34 | 0 31 | 19 51 | 0 5 | 19 30 | 0 36 | 21 31 | 1 28 | 10 37 | 15 46 | 19 51 | 19 35 | 0 8 | 9 52 | 0 22 |
| W27 | 18 27 | 15 9 | 4 30 | 12 56 | 0 1 | 12 38 | 6 7 | 13 50 | 1 40 | 22 34 | 0 31 | 19 49 | 0 5 | 19 31 | 0 36 | 21 31 | 1 28 | 10 38 | 15 47 | 19 48 | 19 35 | 0 5 | 9 52 | 0 22 |
| T 28 | 18 12 | 10 54 | 4 56 | 12 29 | 0n15 | 12 36 | 6 17 | 13 58 | 1 40 | 22 34 | 0 31 | 19 48 | 0 5 | 19 31 | 0 36 | 21 31 | 1 28 | 10 38 | 15 47 | 19 46 | 19 34 | 0 3 | 9 53 | 0 22 |
| F 29 | 17 56 | 5 56 | 5 1 | 12 3 | 0 31 | 12 35 | 6 28 | 14 7 | 1 40 | 22 34 | 0 30 | 19 46 | 0 4 | 19 32 | 0 36 | 21 31 | 1 28 | 10 39 | 15 48 | 19 44 | 19 33 | 0 1 | 9 53 | 0 22 |
| S 30 | 17 40 | 0 37 | 4 46 | 11 41 | 0 49 | 12 34 | 6 37 | 14 15 | 1 40 | 22 34 | 0 30 | 19 45 | 0 4 | 19 33 | 0 36 | 21 31 | 1 28 | 10 40 | 15 48 | 19 42 | 19 32 | 0s 2 | 9 54 | 0 22 |
| S 31 | 17s23 | 4n39 | 4n11 | 11s21 | 1n 6 | 12s34 | 6n46 | 14s24 | 1n40 | 22n34 | 0s30 | 19s44 | 0n 4 | 19n33 | 0n36 | 21s31 | 1n28 | 10n40 | 15n49 | 19s40 | 19s32 | 0s 4 | 9n54 | 0n22 |

Julian Day Number = 2802908.5, Delta T = 50m50s
Ecliptic obliquity = 23°18'47, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°12'22, Lahiri = 37°19'23


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# ASTRODIENST EPHEMERIS for the year 2962
# geocentric

## FEBRUARY 2962 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 8 46 21 | 11♒59'18 | 16♈33 | 27°R 7 | 3°R30 | 14♏33 | 21°R45 | 1♒17 | 4°R42 | 20♐41 | 9°R49 | 28°R10 | 27♏35 | 19♍ 4 | 24♈51 | M 1 |
| T 2 | 8 50 17 | 13° 0'21 | 0♉42 | 26♒52 | 2♒57 | 15° 1 | 21♊43 | 1°24 | 4♌39 | 20°42 | 9♎49 | 28♏ 8 | 27°32 | 19°10 | 24°52 | T 2 |
| W 3 | 8 54 14 | 14° 1'24 | 14°29 | 26°25 | 2°26 | 15°29 | 21°40 | 1°31 | 4°37 | 20°44 | 9°48 | 28°D 7 | 27°28 | 19°17 | 24°54 | W 3 |
| T 4 | 8 58 10 | 15° 2'26 | 27°55 | 25°47 | 1°57 | 15°57 | 21°38 | 1°38 | 4°34 | 20°45 | 9°47 | 28°R 7 | 27°25 | 19°24 | 24°55 | T 4 |
| F 5 | 9 2 7 | 16° 3'28 | 11♊ 3 | 24°59 | 1°30 | 16°24 | 21°36 | 1°45 | 4°32 | 20°47 | 9°46 | 28° 7 | 27°22 | 19°30 | 24°57 | F 5 |
| S 6 | 9 6 4 | 17° 4'28 | 23°55 | 24° 1 | 1° 4 | 16°51 | 21°34 | 1°52 | 4°29 | 20°48 | 9°46 | 28° 4 | 27°19 | 19°37 | 24°59 | S 6 |
| S 7 | 9 10 0 | 18° 5'28 | 6♋35 | 22°55 | 0°41 | 17°18 | 21°33 | 1°59 | 4°27 | 20°50 | 9°45 | 27°59 | 27°16 | 19°44 | 25° 1 | S 7 |
| M 8 | 9 13 57 | 19° 6'26 | 19° 4 | 21°44 | 0°19 | 17°45 | 21°31 | 2° 5 | 4°24 | 20°51 | 9°44 | 27°51 | 27°12 | 19°51 | 25° 2 | M 8 |
| T 9 | 9 17 53 | 20° 7'24 | 1♌24 | 20°29 | 0° 1 | 18°11 | 21°30 | 2°12 | 4°22 | 20°53 | 9°43 | 27°40 | 27° 9 | 19°57 | 25° 4 | T 9 |
| W10 | 9 21 50 | 21° 8'21 | 13°36 | 19°12 | 29♋44 | 18°38 | 21°29 | 2°19 | 4°19 | 20°54 | 9°42 | 27°26 | 27° 6 | 20° 4 | 25° 6 | W10 |
| T 11 | 9 25 46 | 22° 9'17 | 25°41 | 17°57 | 29°30 | 19° 4 | 21°28 | 2°26 | 4°17 | 20°55 | 9°41 | 27°11 | 27° 3 | 20°11 | 25° 8 | T 11 |
| F 12 | 9 29 43 | 23°10'13 | 7♍40 | 16°44 | 29°18 | 19°30 | 21°27 | 2°33 | 4°14 | 20°57 | 9°40 | 26°57 | 27° 0 | 20°17 | 25°10 | F 12 |
| S 13 | 9 33 39 | 24°11'07 | 19°34 | 15°37 | 29° 9 | 19°55 | 21°27 | 2°40 | 4°12 | 20°58 | 9°39 | 26°43 | 26°57 | 20°24 | 25°12 | S 13 |
| S 14 | 9 37 36 | 25°12'01 | 1♎25 | 14°36 | 29° 3 | 20°21 | 21°27 | 2°47 | 4°10 | 20°59 | 9°38 | 26°31 | 26°53 | 20°31 | 25°14 | S 14 |
| M15 | 9 41 33 | 26°12'54 | 13°15 | 13°42 | 28°59 | 20°46 | 21°D27 | 2°53 | 4° 7 | 21° 0 | 9°37 | 26°23 | 26°50 | 20°38 | 25°16 | M15 |
| T 16 | 9 45 29 | 27°13'47 | 25° 7 | 12°56 | 28°D57 | 21°11 | 21°27 | 3° 0 | 4° 5 | 21° 1 | 9°36 | 26°17 | 26°47 | 20°44 | 25°19 | T 16 |
| W17 | 9 49 26 | 28°14'38 | 7♏ 5 | 12°19 | 28°58 | 21°35 | 21°27 | 3° 7 | 4° 3 | 21° 3 | 9°35 | 26°14 | 26°44 | 20°51 | 25°21 | W17 |
| T 18 | 9 53 22 | 29°15'29 | 19°14 | 11°50 | 29° 1 | 22° 0 | 21°28 | 3°13 | 4° 0 | 21° 4 | 9°34 | 26°13 | 26°41 | 20°58 | 25°23 | T 18 |
| F 19 | 9 57 19 | 0♓16'19 | 1♐39 | 11°30 | 29° 7 | 22°24 | 21°29 | 3°20 | 3°58 | 21° 5 | 9°33 | 26°13 | 26°38 | 21° 4 | 25°25 | F 19 |
| S 20 | 10 1 15 | 1°17'09 | 14°26 | 11°18 | 29°15 | 22°47 | 21°30 | 3°27 | 3°56 | 21° 6 | 9°31 | 26°13 | 26°34 | 21°11 | 25°28 | S 20 |
| S 21 | 10 5 12 | 2°17'58 | 27°38 | 11°D15 | 29°25 | 23°11 | 21°31 | 3°33 | 3°54 | 21° 7 | 9°30 | 26°11 | 26°31 | 21°18 | 25°30 | S 21 |
| M22 | 10 9 8 | 3°18'45 | 11♑20 | 11°18 | 29°38 | 23°34 | 21°32 | 3°40 | 3°51 | 21° 8 | 9°29 | 26° 6 | 26°28 | 21°25 | 25°33 | M22 |
| T 23 | 10 13 5 | 4°19'32 | 25°32 | 11°29 | 29°52 | 23°57 | 21°34 | 3°46 | 3°49 | 21° 9 | 9°28 | 25°59 | 26°25 | 21°31 | 25°35 | T 23 |
| W24 | 10 17 2 | 5°20'18 | 10♒13 | 11°46 | 0♒ 9 | 24°20 | 21°36 | 3°53 | 3°47 | 21°10 | 9°26 | 25°50 | 26°22 | 21°38 | 25°38 | W24 |
| T 25 | 10 20 58 | 6°21'03 | 25°16 | 12° 9 | 0°27 | 24°42 | 21°38 | 3°59 | 3°45 | 21°11 | 9°25 | 25°39 | 26°18 | 21°45 | 25°40 | T 25 |
| F 26 | 10 24 55 | 7°21'47 | 10♓33 | 12°38 | 0°48 | 25° 4 | 21°40 | 4° 5 | 3°43 | 21°11 | 9°24 | 25°27 | 26°15 | 21°51 | 25°43 | F 26 |
| S 27 | 10 28 51 | 8°22'29 | 25°51 | 13°12 | 1°10 | 25°26 | 21°42 | 4°12 | 3°41 | 21°12 | 9°23 | 25°17 | 26°12 | 21°58 | 25°45 | S 27 |
| S 28 | 10 32 48 | 9♓23'10 | 10♈59 | 13♒51 | 1♒35 | 25♏47 | 21♊45 | 4♒18 | 3♌39 | 21♐13 | 9♎21 | 25♏ 8 | 26♏ 9 | 22♍ 5 | 25♈48 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17s 6 | 9n34 | 3n21 | 11s 5 | 1n24 | 12s34 | 6n53 | 14s32 | 1n40 | 22n34 | 0s30 | 19s42 | 0n 4 | 19n34 | 0n36 | 21s31 | 1n28 | 10n41 | 15n49 | 19s39 | 19s31 | 0s 6 | 9n54 | 0n22 |
| T 2 | 16 49 | 13 50 | 2 20 | 10 53 | 1 43 | 12 34 | 7 0 | 14 40 | 1 40 | 22 34 | 0 30 | 19 41 | 0 4 | 19 35 | 0 36 | 21 31 | 1 28 | 10 42 | 15 50 | 19 38 | 19 30 | 0 9 | 9 55 | 0 21 |
| W 3 | 16 32 | 17 14 | 1 12 | 10 45 | 2 1 | 12 35 | 7 6 | 14 48 | 1 40 | 22 34 | 0 29 | 19 39 | 0 4 | 19 35 | 0 36 | 21 31 | 1 28 | 10 42 | 15 50 | 19 38 | 19 30 | 0 11 | 9 55 | 0 21 |
| T 4 | 16 14 | 19 37 | 0 1 | 10 41 | 2 18 | 12 36 | 7 11 | 14 56 | 1 40 | 22 34 | 0 29 | 19 38 | 0 4 | 19 36 | 0 36 | 21 31 | 1 28 | 10 43 | 15 51 | 19 38 | 19 29 | 0 13 | 9 56 | 0 21 |
| F 5 | 15 56 | 20 52 | 1s 8 | 10 42 | 2 34 | 12 38 | 7 16 | 15 3 | 1 40 | 22 34 | 0 29 | 19 36 | 0 4 | 19 36 | 0 36 | 21 32 | 1 28 | 10 44 | 15 51 | 19 38 | 19 28 | 0 16 | 9 56 | 0 21 |
| S 6 | 15 38 | 20 59 | 2 12 | 10 47 | 2 49 | 12 40 | 7 19 | 15 11 | 1 40 | 22 34 | 0 29 | 19 35 | 0 4 | 19 37 | 0 36 | 21 32 | 1 28 | 10 45 | 15 52 | 19 38 | 19 27 | 0 18 | 9 57 | 0 21 |
| S 7 | 15 20 | 20 1 | 3 8 | 10 55 | 3 3 | 12 42 | 7 22 | 15 18 | 1 40 | 22 34 | 0 29 | 19 33 | 0 4 | 19 38 | 0 36 | 21 32 | 1 28 | 10 45 | 15 52 | 19 36 | 19 27 | 0 20 | 9 57 | 0 21 |
| M 8 | 15 1 | 18 6 | 3 54 | 11 8 | 3 14 | 12 45 | 7 24 | 15 26 | 1 40 | 22 34 | 0 28 | 19 32 | 0 4 | 19 38 | 0 36 | 21 32 | 1 28 | 10 46 | 15 52 | 19 35 | 19 26 | 0 22 | 9 58 | 0 21 |
| T 9 | 14 42 | 15 22 | 4 29 | 11 23 | 3 23 | 12 47 | 7 25 | 15 33 | 1 40 | 22 34 | 0 28 | 19 30 | 0 4 | 19 39 | 0 36 | 21 32 | 1 28 | 10 47 | 15 53 | 19 32 | 19 25 | 0 25 | 9 59 | 0 21 |
| W10 | 14 23 | 12 0 | 4 51 | 11 40 | 3 29 | 12 50 | 7 25 | 15 40 | 1 40 | 22 35 | 0 28 | 19 29 | 0 4 | 19 39 | 0 36 | 21 32 | 1 29 | 10 48 | 15 53 | 19 29 | 19 24 | 0 27 | 9 59 | 0 21 |
| T 11 | 14 3 | 8 11 | 4 59 | 11 59 | 3 33 | 12 53 | 7 25 | 15 47 | 1 40 | 22 35 | 0 28 | 19 27 | 0 4 | 19 40 | 0 36 | 21 32 | 1 29 | 10 48 | 15 54 | 19 26 | 19 24 | 0 29 | 10 0 | 0 21 |
| F 12 | 13 43 | 4 6 | 4 54 | 12 19 | 3 34 | 12 56 | 7 24 | 15 54 | 1 40 | 22 35 | 0 27 | 19 26 | 0 3 | 19 41 | 0 36 | 21 32 | 1 29 | 10 49 | 15 54 | 19 22 | 19 23 | 0 32 | 10 1 | 0 21 |
| S 13 | 13 23 | 0s 8 | 4 36 | 12 40 | 3 33 | 13 0 | 7 23 | 16 1 | 1 40 | 22 35 | 0 27 | 19 24 | 0 3 | 19 41 | 0 36 | 21 32 | 1 29 | 10 50 | 15 55 | 19 19 | 19 22 | 0 34 | 10 1 | 0 20 |
| S 14 | 13 3 | 4 20 | 4 7 | 13 1 | 3 30 | 13 3 | 7 21 | 16 8 | 1 40 | 22 35 | 0 27 | 19 23 | 0 3 | 19 42 | 0 36 | 21 32 | 1 29 | 10 51 | 15 55 | 19 17 | 19 22 | 0 36 | 10 2 | 0 20 |
| M15 | 12 43 | 8 22 | 3 26 | 13 21 | 3 25 | 13 6 | 7 18 | 16 15 | 1 40 | 22 36 | 0 27 | 19 21 | 0 3 | 19 42 | 0 36 | 21 32 | 1 29 | 10 52 | 15 55 | 19 14 | 19 21 | 0 38 | 10 3 | 0 20 |
| T 16 | 12 22 | 12 6 | 2 36 | 13 40 | 3 18 | 13 9 | 7 15 | 16 21 | 1 40 | 22 36 | 0 27 | 19 20 | 0 3 | 19 43 | 0 36 | 21 32 | 1 29 | 10 52 | 15 56 | 19 13 | 19 20 | 0 41 | 10 3 | 0 20 |
| W17 | 12 1 | 15 22 | 1 39 | 13 59 | 3 10 | 13 13 | 7 12 | 16 27 | 1 40 | 22 36 | 0 26 | 19 18 | 0 3 | 19 43 | 0 36 | 21 32 | 1 29 | 10 53 | 15 56 | 19 12 | 19 19 | 0 43 | 10 4 | 0 20 |
| T 18 | 11 40 | 18 2 | 0 37 | 14 15 | 3 0 | 13 16 | 7 8 | 16 34 | 1 40 | 22 36 | 0 26 | 19 17 | 0 3 | 19 44 | 0 36 | 21 32 | 1 29 | 10 54 | 15 57 | 19 12 | 19 19 | 0 45 | 10 5 | 0 20 |
| F 19 | 11 19 | 19 55 | 0n29 | 14 31 | 2 50 | 13 19 | 7 3 | 16 40 | 1 40 | 22 36 | 0 26 | 19 16 | 0 3 | 19 44 | 0 36 | 21 32 | 1 29 | 10 55 | 15 57 | 19 12 | 19 18 | 0 48 | 10 5 | 0 20 |
| S 20 | 10 58 | 20 50 | 1 35 | 14 45 | 2 39 | 13 22 | 6 59 | 16 46 | 1 40 | 22 37 | 0 26 | 19 14 | 0 3 | 19 45 | 0 36 | 21 32 | 1 29 | 10 56 | 15 57 | 19 12 | 19 17 | 0 50 | 10 6 | 0 20 |
| S 21 | 10 36 | 20 40 | 2 38 | 14 57 | 2 27 | 13 25 | 6 54 | 16 52 | 1 40 | 22 37 | 0 26 | 19 13 | 0 3 | 19 45 | 0 36 | 21 32 | 1 29 | 10 56 | 15 58 | 19 12 | 19 16 | 0 52 | 10 7 | 0 20 |
| M22 | 10 14 | 19 16 | 3 34 | 15 7 | 2 16 | 13 28 | 6 48 | 16 58 | 1 39 | 22 37 | 0 25 | 19 11 | 0 3 | 19 46 | 0 36 | 21 32 | 1 29 | 10 57 | 15 58 | 19 11 | 19 16 | 0 54 | 10 8 | 0 20 |
| T 23 | 9 52 | 16 40 | 4 20 | 15 16 | 2 3 | 13 30 | 6 43 | 17 3 | 1 39 | 22 38 | 0 25 | 19 10 | 0 3 | 19 46 | 0 36 | 21 32 | 1 29 | 10 58 | 15 59 | 19 9 | 19 15 | 0 57 | 10 9 | 0 20 |
| W24 | 9 30 | 12 56 | 4 50 | 15 23 | 1 51 | 13 33 | 6 37 | 17 9 | 1 39 | 22 38 | 0 25 | 19 8 | 0 3 | 19 47 | 0 36 | 21 32 | 1 29 | 10 59 | 15 59 | 19 7 | 19 14 | 0 59 | 10 9 | 0 20 |
| T 25 | 9 8 | 8 18 | 5 1 | 15 28 | 1 39 | 13 35 | 6 31 | 17 15 | 1 39 | 22 38 | 0 25 | 19 7 | 0 3 | 19 47 | 0 36 | 21 32 | 1 29 | 11 0 | 15 59 | 19 4 | 19 14 | 1 1 | 10 10 | 0 19 |
| F 26 | 8 46 | 3 5 | 4 50 | 15 32 | 1 27 | 13 37 | 6 24 | 17 20 | 1 39 | 22 39 | 0 25 | 19 5 | 0 3 | 19 48 | 0 36 | 21 32 | 1 29 | 11 0 | 16 0 | 19 1 | 19 13 | 1 3 | 10 11 | 0 19 |
| S 27 | 8 23 | 2n20 | 4 19 | 15 34 | 1 15 | 13 39 | 6 18 | 17 25 | 1 39 | 22 39 | 0 24 | 19 4 | 0 2 | 19 48 | 0 36 | 21 32 | 1 29 | 11 1 | 16 0 | 18 59 | 19 12 | 1 6 | 10 12 | 0 19 |
| S 28 | 8s 1 | 7n33 | 3n30 | 15s35 | 1n 3 | 13s40 | 6n11 | 17s30 | 1n39 | 22n39 | 0s24 | 19s 3 | 0n 2 | 19n49 | 0n36 | 21s32 | 1n29 | 11n 2 | 16n 0 | 18s57 | 19s11 | 1s 8 | 10n13 | 0n19 |

Julian Day Number = 2802939.5, Delta T = 50m50s
Ecliptic obliquity = 23°18'48, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°12'27, Lahiri = 37°19'27


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# ASTRODIENST EPHEMERIS for the year 2962
# geocentric

## MARCH 2962 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 36 44 | 10♓23'49 | 25♈49 | 14♒33 | 2♒ 0 | 26♏ 8 | 21♊48 | 4♒24 | 3°R37 | 21♐14 | 9°R20 | 25°R 3 | 26♏ 6 | 22♍11 | 25♈51 | M 1 |
| T 2 | 10 40 41 | 11°24'27 | 10♉14 | 15°20 | 2°28 | 26°29 | 21°51 | 4°31 | 3♌35 | 21°14 | 9♎18 | 25♏ 0 | 26° 3 | 22°18 | 25°53 | T 2 |
| W 3 | 10 44 37 | 12°25'03 | 24°12 | 16°10 | 2°57 | 26°49 | 21°54 | 4°37 | 3°33 | 21°15 | 9°17 | 24°D59 | 25°59 | 22°25 | 25°56 | W 3 |
| T 4 | 10 48 34 | 13°25'38 | 7♊44 | 17° 4 | 3°28 | 27° 9 | 21°57 | 4°43 | 3°31 | 21°16 | 9°16 | 24°R59 | 25°56 | 22°32 | 25°59 | T 4 |
| F 5 | 10 52 31 | 14°26'10 | 20°51 | 18° 1 | 4° 0 | 27°29 | 22° 1 | 4°49 | 3°30 | 21°16 | 9°14 | 24°59 | 25°53 | 22°38 | 26° 2 | F 5 |
| S 6 | 10 56 27 | 15°26'42 | 3♋39 | 19° 0 | 4°34 | 27°48 | 22° 5 | 4°55 | 3°28 | 21°17 | 9°13 | 24°58 | 25°50 | 22°45 | 26° 5 | S 6 |
| S 7 | 11 0 24 | 16°27'11 | 16° 9 | 20° 3 | 5° 9 | 28° 7 | 22° 9 | 5° 1 | 3°26 | 21°18 | 9°11 | 24°54 | 25°47 | 22°52 | 26° 7 | S 7 |
| M 8 | 11 4 20 | 17°27'38 | 28°28 | 21° 7 | 5°45 | 28°25 | 22°13 | 5° 7 | 3°25 | 21°18 | 9°10 | 24°47 | 25°43 | 22°58 | 26°10 | M 8 |
| T 9 | 11 8 17 | 18°28'04 | 10♌36 | 22°14 | 6°23 | 28°43 | 22°17 | 5°12 | 3°23 | 21°19 | 9° 8 | 24°38 | 25°40 | 23° 5 | 26°13 | T 9 |
| W10 | 11 12 13 | 19°28'28 | 22°38 | 23°23 | 7° 2 | 29° 1 | 22°21 | 5°18 | 3°21 | 21°19 | 9° 7 | 24°27 | 25°37 | 23°12 | 26°16 | W10 |
| T 11 | 11 16 10 | 20°28'51 | 4♍35 | 24°34 | 7°42 | 29°18 | 22°26 | 5°24 | 3°20 | 21°20 | 9° 5 | 24°14 | 25°34 | 23°19 | 26°19 | T 11 |
| F 12 | 11 20 6 | 21°29'11 | 16°28 | 25°47 | 8°23 | 29°35 | 22°31 | 5°30 | 3°18 | 21°20 | 9° 4 | 24° 1 | 25°31 | 23°25 | 26°22 | F 12 |
| S 13 | 11 24 3 | 22°29'30 | 28°20 | 27° 2 | 9° 5 | 29°51 | 22°36 | 5°35 | 3°17 | 21°20 | 9° 2 | 23°50 | 25°28 | 23°32 | 26°25 | S 13 |
| S 14 | 11 27 59 | 23°29'48 | 10♎11 | 28°18 | 9°48 | 0♐ 7 | 22°41 | 5°41 | 3°15 | 21°21 | 9° 1 | 23°40 | 25°24 | 23°39 | 26°29 | S 14 |
| M15 | 11 31 56 | 24°30'04 | 22° 4 | 29°36 | 10°33 | 0°23 | 22°46 | 5°46 | 3°14 | 21°21 | 8°59 | 23°33 | 25°21 | 23°45 | 26°32 | M15 |
| T 16 | 11 35 53 | 25°30'18 | 4♏ 0 | 0♓56 | 11°18 | 0°38 | 22°52 | 5°52 | 3°13 | 21°21 | 8°58 | 23°28 | 25°18 | 23°52 | 26°35 | T 16 |
| W17 | 11 39 49 | 26°30'31 | 16° 2 | 2°17 | 12° 4 | 0°52 | 22°58 | 5°57 | 3°11 | 21°21 | 8°56 | 23°26 | 25°15 | 23°59 | 26°38 | W17 |
| T 18 | 11 43 46 | 27°30'42 | 28°14 | 3°39 | 12°51 | 1° 6 | 23° 4 | 6° 3 | 3°10 | 21°22 | 8°55 | 23°D26 | 25°12 | 24° 5 | 26°41 | T 18 |
| F 19 | 11 47 42 | 28°30'52 | 10♐40 | 5° 3 | 13°39 | 1°20 | 23°10 | 6° 8 | 3° 9 | 21°22 | 8°53 | 23°26 | 25° 9 | 24°12 | 26°44 | F 19 |
| S 20 | 11 51 39 | 29°31'00 | 23°24 | 6°28 | 14°28 | 1°33 | 23°16 | 6°13 | 3° 8 | 21°22 | 8°51 | 23°R27 | 25° 5 | 24°19 | 26°48 | S 20 |
| S 21 | 11 55 35 | 0♈31'07 | 6♑31 | 7°54 | 15°17 | 1°45 | 23°22 | 6°18 | 3° 7 | 21°22 | 8°50 | 23°27 | 25° 2 | 24°26 | 26°51 | S 21 |
| M22 | 11 59 32 | 1°31'13 | 20° 4 | 9°22 | 16° 8 | 1°57 | 23°29 | 6°23 | 3° 6 | 21°22 | 8°48 | 23°26 | 24°59 | 24°32 | 26°54 | M22 |
| T 23 | 12 3 28 | 2°31'17 | 4♒ 5 | 10°51 | 16°59 | 2° 9 | 23°35 | 6°28 | 3° 5 | 21°R22 | 8°46 | 23°22 | 24°56 | 24°39 | 26°57 | T 23 |
| W24 | 12 7 25 | 3°31'19 | 18°34 | 12°21 | 17°51 | 2°19 | 23°42 | 6°33 | 3° 4 | 21°22 | 8°45 | 23°16 | 24°53 | 24°46 | 27° 1 | W24 |
| T 25 | 12 11 22 | 4°31'20 | 3♓27 | 13°52 | 18°43 | 2°30 | 23°49 | 6°38 | 3° 3 | 21°22 | 8°43 | 23° 9 | 24°49 | 24°52 | 27° 4 | T 25 |
| F 26 | 12 15 18 | 5°31'19 | 18°37 | 15°25 | 19°36 | 2°39 | 23°56 | 6°43 | 3° 2 | 21°22 | 8°42 | 23° 1 | 24°46 | 24°59 | 27° 7 | F 26 |
| S 27 | 12 19 15 | 6°31'16 | 3♈54 | 16°58 | 20°30 | 2°49 | 24° 3 | 6°47 | 3° 1 | 21°22 | 8°40 | 22°54 | 24°43 | 25° 6 | 27°11 | S 27 |
| S 28 | 12 23 11 | 7°31'12 | 19° 8 | 18°33 | 21°24 | 2°57 | 24°11 | 6°52 | 3° 1 | 21°22 | 8°38 | 22°49 | 24°40 | 25°13 | 27°14 | S 28 |
| M29 | 12 27 8 | 8°31'05 | 4♉ 7 | 20° 9 | 22°19 | 3° 5 | 24°18 | 6°57 | 3° 0 | 21°22 | 8°37 | 22°45 | 24°37 | 25°19 | 27°18 | M29 |
| T 30 | 12 31 4 | 9°30'57 | 18°44 | 21°47 | 23°14 | 3°12 | 24°26 | 7° 1 | 2°59 | 21°21 | 8°35 | 22°D44 | 24°34 | 25°26 | 27°21 | T 30 |
| W31 | 12 35 1 | 10♈30'46 | 2♊55 | 23♓25 | 24♒10 | 3♐19 | 24♊34 | 7♒ 6 | 2♌59 | 21♐21 | 8♎33 | 22♏44 | 24♏30 | 25♍33 | 27♈24 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7s38 | 12n13 | 2n28 | 15s34 | 0n51 | 13s41 | 6n 4 | 17s35 | 1n38 | 22n40 | 0s24 | 19s 1 | 0n 2 | 19n49 | 0n36 | 21s32 | 1n29 | 11n 3 | 16n 1 | 18s56 | 19s11 | 1s10 | 10n14 | 0n19 |
| T 2 | 7 15 | 16 2 | 1 17 | 15 31 | 0 40 | 13 42 | 5 57 | 17 40 | 1 38 | 22 40 | 0 24 | 19 0 | 0 2 | 19 50 | 0 36 | 21 32 | 1 29 | 11 4 | 16 1 | 18 55 | 19 10 | 1 12 | 10 15 | 0 19 |
| W 3 | 6 52 | 18 47 | 0 4 | 15 27 | 0 29 | 13 42 | 5 50 | 17 45 | 1 38 | 22 40 | 0 24 | 18 58 | 0 2 | 19 50 | 0 36 | 21 32 | 1 29 | 11 4 | 16 1 | 18 55 | 19 9 | 1 15 | 10 16 | 0 19 |
| T 4 | 6 29 | 20 23 | 1s 7 | 15 21 | 0 18 | 13 43 | 5 43 | 17 50 | 1 38 | 22 41 | 0 23 | 18 57 | 0 2 | 19 50 | 0 36 | 21 32 | 1 29 | 11 5 | 16 1 | 18 55 | 19 8 | 1 17 | 10 17 | 0 19 |
| F 5 | 6 6 | 20 48 | 2 13 | 15 14 | 0 8 | 13 43 | 5 36 | 17 54 | 1 38 | 22 41 | 0 23 | 18 56 | 0 2 | 19 51 | 0 36 | 21 32 | 1 30 | 11 6 | 16 2 | 18 55 | 19 8 | 1 19 | 10 18 | 0 19 |
| S 6 | 5 42 | 20 6 | 3 10 | 15 5 | 0s 3 | 13 42 | 5 28 | 17 59 | 1 37 | 22 42 | 0 23 | 18 54 | 0 2 | 19 51 | 0 35 | 21 32 | 1 30 | 11 7 | 16 2 | 18 54 | 19 7 | 1 22 | 10 19 | 0 19 |
| S 7 | 5 19 | 18 25 | 3 57 | 14 55 | 0 12 | 13 41 | 5 21 | 18 3 | 1 37 | 22 42 | 0 23 | 18 53 | 0 2 | 19 52 | 0 35 | 21 32 | 1 30 | 11 8 | 16 2 | 18 53 | 19 6 | 1 24 | 10 19 | 0 19 |
| M 8 | 4 56 | 15 56 | 4 31 | 14 44 | 0 22 | 13 40 | 5 13 | 18 8 | 1 37 | 22 42 | 0 23 | 18 52 | 0 2 | 19 52 | 0 35 | 21 32 | 1 30 | 11 8 | 16 3 | 18 52 | 19 5 | 1 26 | 10 20 | 0 19 |
| T 9 | 4 32 | 12 46 | 4 53 | 14 31 | 0 31 | 13 38 | 5 6 | 18 12 | 1 37 | 22 43 | 0 23 | 18 50 | 0 2 | 19 52 | 0 35 | 21 32 | 1 30 | 11 9 | 16 3 | 18 50 | 19 5 | 1 28 | 10 21 | 0 18 |
| W10 | 4 9 | 9 8 | 5 2 | 14 17 | 0 40 | 13 36 | 4 58 | 18 16 | 1 36 | 22 43 | 0 22 | 18 49 | 0 2 | 19 53 | 0 35 | 21 32 | 1 30 | 11 10 | 16 3 | 18 47 | 19 4 | 1 31 | 10 22 | 0 18 |
| T 11 | 3 45 | 5 9 | 4 58 | 14 1 | 0 48 | 13 34 | 4 51 | 18 20 | 1 36 | 22 44 | 0 22 | 18 48 | 0 2 | 19 53 | 0 35 | 21 32 | 1 30 | 11 11 | 16 3 | 18 44 | 19 3 | 1 33 | 10 23 | 0 18 |
| F 12 | 3 22 | 1 0 | 4 40 | 13 45 | 0 57 | 13 31 | 4 43 | 18 24 | 1 36 | 22 44 | 0 22 | 18 46 | 0 2 | 19 53 | 0 35 | 21 32 | 1 30 | 11 12 | 16 3 | 18 41 | 19 2 | 1 35 | 10 24 | 0 18 |
| S 13 | 2 58 | 3s10 | 4 10 | 13 27 | 1 4 | 13 28 | 4 35 | 18 28 | 1 35 | 22 45 | 0 22 | 18 45 | 0 1 | 19 54 | 0 35 | 21 32 | 1 30 | 11 12 | 16 4 | 18 38 | 19 2 | 1 37 | 10 25 | 0 18 |
| S 14 | 2 34 | 7 14 | 3 29 | 13 7 | 1 12 | 13 24 | 4 28 | 18 31 | 1 35 | 22 45 | 0 22 | 18 44 | 0 1 | 19 54 | 0 35 | 21 32 | 1 30 | 11 13 | 16 4 | 18 35 | 19 1 | 1 40 | 10 27 | 0 18 |
| M15 | 2 10 | 11 1 | 2 40 | 12 47 | 1 19 | 13 20 | 4 20 | 18 35 | 1 34 | 22 46 | 0 21 | 18 42 | 0 1 | 19 54 | 0 35 | 21 32 | 1 30 | 11 14 | 16 4 | 18 34 | 19 0 | 1 42 | 10 28 | 0 18 |
| T 16 | 1 47 | 14 23 | 1 42 | 12 25 | 1 25 | 13 15 | 4 12 | 18 38 | 1 34 | 22 46 | 0 21 | 18 41 | 0 1 | 19 55 | 0 35 | 21 32 | 1 30 | 11 15 | 16 4 | 18 32 | 18 59 | 1 44 | 10 29 | 0 18 |
| W17 | 1 23 | 17 11 | 0 40 | 12 2 | 1 32 | 13 10 | 4 5 | 18 42 | 1 34 | 22 47 | 0 21 | 18 40 | 0 1 | 19 55 | 0 35 | 21 32 | 1 30 | 11 15 | 16 4 | 18 32 | 18 59 | 1 46 | 10 30 | 0 18 |
| T 18 | 0 59 | 19 15 | 0n26 | 11 38 | 1 37 | 13 4 | 3 57 | 18 45 | 1 33 | 22 47 | 0 21 | 18 39 | 0 1 | 19 55 | 0 35 | 21 32 | 1 30 | 11 16 | 16 5 | 18 32 | 18 58 | 1 49 | 10 31 | 0 18 |
| F 19 | 0 35 | 20 25 | 1 31 | 11 13 | 1 43 | 12 58 | 3 49 | 18 48 | 1 33 | 22 48 | 0 21 | 18 38 | 0 1 | 19 55 | 0 35 | 21 32 | 1 30 | 11 17 | 16 5 | 18 32 | 18 57 | 1 51 | 10 32 | 0 18 |
| S 20 | 0 11 | 20 35 | 2 34 | 10 46 | 1 48 | 12 52 | 3 42 | 18 51 | 1 32 | 22 48 | 0 21 | 18 36 | 0 1 | 19 56 | 0 35 | 21 32 | 1 30 | 11 18 | 16 5 | 18 32 | 18 56 | 1 53 | 10 33 | 0 18 |
| S 21 | 0n12 | 19 39 | 3 30 | 10 18 | 1 53 | 12 45 | 3 34 | 18 54 | 1 32 | 22 49 | 0 20 | 18 35 | 0 1 | 19 56 | 0 35 | 21 32 | 1 30 | 11 18 | 16 5 | 18 32 | 18 55 | 1 55 | 10 34 | 0 17 |
| M22 | 0 36 | 17 35 | 4 17 | 9 50 | 1 57 | 12 38 | 3 27 | 18 57 | 1 31 | 22 49 | 0 20 | 18 34 | 0 1 | 19 56 | 0 35 | 21 32 | 1 30 | 11 19 | 16 5 | 18 32 | 18 55 | 1 57 | 10 35 | 0 17 |
| T 23 | 1 0 | 14 26 | 4 50 | 9 20 | 2 1 | 12 30 | 3 19 | 19 0 | 1 31 | 22 50 | 0 20 | 18 33 | 0 1 | 19 56 | 0 35 | 21 32 | 1 30 | 11 20 | 16 5 | 18 31 | 18 54 | 2 0 | 10 36 | 0 17 |
| W24 | 1 24 | 10 19 | 5 6 | 8 49 | 2 5 | 12 21 | 3 12 | 19 3 | 1 30 | 22 50 | 0 20 | 18 32 | 0 1 | 19 56 | 0 35 | 21 32 | 1 30 | 11 21 | 16 5 | 18 30 | 18 53 | 2 2 | 10 37 | 0 17 |
| T 25 | 1 47 | 5 29 | 5 2 | 8 17 | 2 8 | 12 13 | 3 4 | 19 5 | 1 29 | 22 50 | 0 20 | 18 30 | 0 1 | 19 57 | 0 35 | 21 32 | 1 30 | 11 21 | 16 5 | 18 28 | 18 52 | 2 4 | 10 39 | 0 17 |
| F 26 | 2 11 | 0 13 | 4 38 | 7 44 | 2 11 | 12 4 | 2 57 | 19 8 | 1 29 | 22 51 | 0 20 | 18 29 | 0 0 | 19 57 | 0 35 | 21 32 | 1 30 | 11 22 | 16 6 | 18 26 | 18 52 | 2 6 | 10 40 | 0 17 |
| S 27 | 2 35 | 5n 6 | 3 53 | 7 10 | 2 13 | 11 54 | 2 50 | 19 10 | 1 28 | 22 51 | 0 19 | 18 28 | 0 0 | 19 57 | 0 35 | 21 32 | 1 31 | 11 23 | 16 6 | 18 24 | 18 51 | 2 9 | 10 41 | 0 17 |
| S 28 | 2 58 | 10 6 | 2 51 | 6 34 | 2 15 | 11 44 | 2 42 | 19 12 | 1 27 | 22 52 | 0 19 | 18 27 | 0 0 | 19 57 | 0 35 | 21 32 | 1 31 | 11 23 | 16 6 | 18 23 | 18 50 | 2 11 | 10 42 | 0 17 |
| M29 | 3 22 | 14 23 | 1 39 | 5 58 | 2 16 | 11 33 | 2 35 | 19 15 | 1 27 | 22 52 | 0 19 | 18 26 | 0 0 | 19 57 | 0 35 | 21 32 | 1 31 | 11 24 | 16 6 | 18 22 | 18 49 | 2 13 | 10 43 | 0 17 |
| T 30 | 3 45 | 17 39 | 0 22 | 5 21 | 2 17 | 11 22 | 2 28 | 19 17 | 1 26 | 22 53 | 0 19 | 18 25 | 0 0 | 19 57 | 0 35 | 21 32 | 1 31 | 11 25 | 16 6 | 18 21 | 18 49 | 2 15 | 10 44 | 0 17 |
| W31 | 4n 8 | 19n44 | 0s55 | 4s43 | 2s18 | 11s11 | 2n21 | 19s19 | 1n25 | 22n53 | 0s19 | 18s24 | 0n 0 | 19n57 | 0n35 | 21s31 | 1n31 | 11n25 | 16n 6 | 18s22 | 18s48 | 2s18 | 10n45 | 0n17 |

Julian Day Number = 2802967.5, Delta T = 50m51s
Ecliptic obliquity = 23°18'48, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°12'30, Lahiri = 37°19'31


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# ASTRODIENST EPHEMERIS for the year 2962
# geocentric

## APRIL 2962 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 38 57 | 11♈30'34 | 16♊38 | 25♓ 5 | 25♒ 7 | 3♐25 | 24♊42 | 7♒10 | 2°R58 | 21°R21 | 8°R32 | 22♏46 | 24♏27 | 25♍39 | 27♈28 | T 1 |
| F 2 | 12 42 54 | 12°30'19 | 29°53 | 26°46 | 26° 4 | 3°30 | 24°50 | 7°14 | 2♌58 | 21♐20 | 8♎30 | 22°47 | 24°24 | 25°46 | 27°31 | F 2 |
| S 3 | 12 46 51 | 13°30'02 | 12♋45 | 28°28 | 27° 1 | 3°35 | 24°58 | 7°18 | 2°58 | 21°20 | 8°29 | 22°R48 | 24°21 | 25°53 | 27°35 | S 3 |
| S 4 | 12 50 47 | 14°29'43 | 25°17 | 0♈11 | 27°59 | 3°39 | 25° 7 | 7°23 | 2°57 | 21°20 | 8°27 | 22°47 | 24°18 | 25°59 | 27°38 | S 4 |
| M 5 | 12 54 44 | 15°29'21 | 7♌33 | 1°56 | 28°57 | 3°42 | 25°15 | 7°27 | 2°57 | 21°19 | 8°25 | 22°45 | 24°15 | 26° 6 | 27°42 | M 5 |
| T 6 | 12 58 40 | 16°28'57 | 19°37 | 3°41 | 29°56 | 3°45 | 25°24 | 7°30 | 2°57 | 21°19 | 8°24 | 22°41 | 24°11 | 26°13 | 27°45 | T 6 |
| W 7 | 13 2 37 | 17°28'31 | 1♍34 | 5°28 | 0♓55 | 3°47 | 25°33 | 7°34 | 2°56 | 21°18 | 8°22 | 22°35 | 24° 8 | 26°20 | 27°49 | W 7 |
| T 8 | 13 6 33 | 18°28'03 | 13°26 | 7°17 | 1°54 | 3°48 | 25°42 | 7°38 | 2°56 | 21°18 | 8°21 | 22°29 | 24° 5 | 26°26 | 27°52 | T 8 |
| F 9 | 13 10 30 | 19°27'33 | 25°17 | 9° 7 | 2°54 | 3°R49 | 25°51 | 7°42 | 2°56 | 21°17 | 8°19 | 22°23 | 24° 2 | 26°33 | 27°56 | F 9 |
| S 10 | 13 14 26 | 20°27'01 | 7♎ 8 | 10°58 | 3°55 | 3°48 | 26° 0 | 7°45 | 2°D56 | 21°17 | 8°17 | 22°17 | 23°59 | 26°40 | 27°59 | S 10 |
| S 11 | 13 18 23 | 21°26'26 | 19° 2 | 12°50 | 4°55 | 3°47 | 26° 9 | 7°49 | 2°56 | 21°16 | 8°16 | 22°12 | 23°55 | 26°46 | 28° 3 | S 11 |
| M12 | 13 22 19 | 22°25'50 | 1♏ 1 | 14°43 | 5°56 | 3°46 | 26°19 | 7°52 | 2°56 | 21°16 | 8°14 | 22° 9 | 23°52 | 26°53 | 28° 7 | M12 |
| T 13 | 13 26 16 | 23°25'12 | 13° 6 | 16°38 | 6°57 | 3°43 | 26°28 | 7°56 | 2°56 | 21°15 | 8°13 | 22° 7 | 23°49 | 27° 0 | 28°10 | T 13 |
| W14 | 13 30 13 | 24°24'32 | 25°19 | 18°35 | 7°59 | 3°40 | 26°38 | 7°59 | 2°57 | 21°14 | 8°11 | 22°D 7 | 23°46 | 27° 6 | 28°14 | W14 |
| T 15 | 13 34 9 | 25°23'50 | 7♐42 | 20°32 | 9° 1 | 3°36 | 26°47 | 8° 2 | 2°57 | 21°14 | 8°10 | 22° 8 | 23°43 | 27°13 | 28°17 | T 15 |
| F 16 | 13 38 6 | 26°23'06 | 20°17 | 22°31 | 10° 3 | 3°32 | 26°57 | 8° 5 | 2°57 | 21°13 | 8° 8 | 22° 9 | 23°40 | 27°20 | 28°21 | F 16 |
| S 17 | 13 42 2 | 27°22'20 | 3♑ 9 | 24°31 | 11° 6 | 3°26 | 27° 7 | 8° 8 | 2°58 | 21°12 | 8° 7 | 22°11 | 23°36 | 27°27 | 28°24 | S 17 |
| S 18 | 13 45 59 | 28°21'33 | 16°18 | 26°32 | 12° 8 | 3°20 | 27°17 | 8°11 | 2°58 | 21°11 | 8° 5 | 22°12 | 23°33 | 27°33 | 28°28 | S 18 |
| M19 | 13 49 55 | 29°20'44 | 29°48 | 28°34 | 13°12 | 3°13 | 27°28 | 8°14 | 2°58 | 21°10 | 8° 4 | 22°R12 | 23°30 | 27°40 | 28°32 | M19 |
| T 20 | 13 53 52 | 0♉19'54 | 13♒40 | 0♉37 | 14°15 | 3° 5 | 27°38 | 8°17 | 2°59 | 21°10 | 8° 2 | 22°12 | 23°27 | 27°47 | 28°35 | T 20 |
| W21 | 13 57 48 | 1°19'01 | 27°54 | 2°41 | 15°19 | 2°56 | 27°48 | 8°20 | 2°59 | 21° 9 | 8° 1 | 22°10 | 23°24 | 27°53 | 28°39 | W21 |
| T 22 | 14 1 45 | 2°18'07 | 12♓28 | 4°45 | 16°22 | 2°47 | 27°59 | 8°22 | 3° 0 | 21° 8 | 7°59 | 22° 8 | 23°20 | 28° 0 | 28°42 | T 22 |
| F 23 | 14 5 42 | 3°17'12 | 27°18 | 6°50 | 17°26 | 2°37 | 28° 9 | 8°25 | 3° 1 | 21° 7 | 7°58 | 22° 6 | 23°17 | 28° 7 | 28°46 | F 23 |
| S 24 | 14 9 38 | 4°16'14 | 12♈17 | 8°55 | 18°31 | 2°26 | 28°20 | 8°27 | 3° 1 | 21° 6 | 7°56 | 22° 3 | 23°14 | 28°13 | 28°49 | S 24 |
| S 25 | 14 13 35 | 5°15'15 | 27°17 | 11° 1 | 19°35 | 2°15 | 28°31 | 8°29 | 3° 2 | 21° 5 | 7°55 | 22° 2 | 23°11 | 28°20 | 28°53 | S 25 |
| M26 | 14 17 31 | 6°14'13 | 12♉ 8 | 13° 6 | 20°40 | 2° 2 | 28°42 | 8°32 | 3° 3 | 21° 4 | 7°53 | 22° 1 | 23° 8 | 28°27 | 28°56 | M26 |
| T 27 | 14 21 28 | 7°13'10 | 26°44 | 15°11 | 21°45 | 1°49 | 28°53 | 8°34 | 3° 4 | 21° 3 | 7°52 | 22°D 1 | 23° 5 | 28°34 | 29° 0 | T 27 |
| W28 | 14 25 24 | 8°12'05 | 10♊58 | 17°15 | 22°50 | 1°35 | 29° 4 | 8°36 | 3° 5 | 21° 2 | 7°51 | 22° 1 | 23° 1 | 28°40 | 29° 4 | W28 |
| T 29 | 14 29 21 | 9°10'58 | 24°47 | 19°17 | 23°55 | 1°21 | 29°15 | 8°38 | 3° 6 | 21° 1 | 7°49 | 22° 2 | 22°58 | 28°47 | 29° 7 | T 29 |
| F 30 | 14 33 17 | 10♉ 9'48 | 8♋10 | 21♉19 | 25♓ 1 | 1♐ 6 | 29♊26 | 8♒39 | 3♌ 7 | 21♐ 0 | 7♎48 | 22♏ 3 | 22♏55 | 28♍54 | 29♈11 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4n32 | 20n33 | 2s 6 | 4s 4 | 2s18 | 10s59 | 2n14 | 19s21 | 1n24 | 22n54 | 0s19 | 18s23 | 0n 0 | 19n57 | 0n35 | 21s31 | 1n31 | 11n26 | 16n 6 | 18s22 | 18s47 | 2s20 | 10n47 | 0n17 |
| F 2 | 4 55 | 20 11 | 3 8 | 3 23 | 2 18 | 10 47 | 2 7 | 19 23 | 1 24 | 22 54 | 0 18 | 18 22 | 0s 0 | 19 58 | 0 35 | 21 31 | 1 31 | 11 27 | 16 6 | 18 22 | 18 46 | 2 22 | 10 48 | 0 17 |
| S 3 | 5 18 | 18 45 | 3 58 | 2 42 | 2 17 | 10 34 | 2 0 | 19 24 | 1 23 | 22 55 | 0 18 | 18 21 | 0 0 | 19 58 | 0 35 | 21 31 | 1 31 | 11 27 | 16 6 | 18 22 | 18 46 | 2 24 | 10 49 | 0 16 |
| S 4 | 5 41 | 16 27 | 4 36 | 2 0 | 2 16 | 10 21 | 1 53 | 19 26 | 1 22 | 22 55 | 0 18 | 18 20 | 0 0 | 19 58 | 0 35 | 21 31 | 1 31 | 11 28 | 16 6 | 18 22 | 18 45 | 2 26 | 10 50 | 0 16 |
| M 5 | 6 4 | 13 27 | 5 0 | 1 18 | 2 14 | 10 7 | 1 46 | 19 27 | 1 21 | 22 56 | 0 18 | 18 19 | 0 0 | 19 58 | 0 35 | 21 31 | 1 31 | 11 29 | 16 6 | 18 22 | 18 44 | 2 29 | 10 51 | 0 16 |
| T 6 | 6 27 | 9 56 | 5 10 | 0 34 | 2 12 | 9 53 | 1 40 | 19 29 | 1 20 | 22 56 | 0 18 | 18 18 | 0 0 | 19 58 | 0 35 | 21 31 | 1 31 | 11 29 | 16 6 | 18 21 | 18 43 | 2 31 | 10 52 | 0 16 |
| W 7 | 6 50 | 6 4 | 5 7 | 0n11 | 2 9 | 9 39 | 1 33 | 19 30 | 1 19 | 22 57 | 0 18 | 18 17 | 0 0 | 19 58 | 0 35 | 21 31 | 1 31 | 11 30 | 16 6 | 18 19 | 18 42 | 2 33 | 10 54 | 0 16 |
| T 8 | 7 12 | 2 0 | 4 51 | 0 56 | 2 6 | 9 24 | 1 26 | 19 32 | 1 18 | 22 57 | 0 17 | 18 16 | 0 0 | 19 58 | 0 35 | 21 31 | 1 31 | 11 30 | 16 6 | 18 18 | 18 42 | 2 35 | 10 55 | 0 16 |
| F 9 | 7 35 | 2s 8 | 4 22 | 1 43 | 2 3 | 9 8 | 1 20 | 19 33 | 1 17 | 22 58 | 0 17 | 18 15 | 0 1 | 19 58 | 0 35 | 21 31 | 1 31 | 11 31 | 16 6 | 18 16 | 18 41 | 2 37 | 10 56 | 0 16 |
| S 10 | 7 57 | 6 12 | 3 41 | 2 30 | 1 59 | 8 53 | 1 14 | 19 34 | 1 16 | 22 58 | 0 17 | 18 15 | 0 1 | 19 58 | 0 35 | 21 31 | 1 31 | 11 31 | 16 6 | 18 15 | 18 40 | 2 40 | 10 57 | 0 16 |
| S 11 | 8 19 | 10 3 | 2 51 | 3 17 | 1 54 | 8 37 | 1 7 | 19 35 | 1 14 | 22 58 | 0 17 | 18 14 | 0 1 | 19 58 | 0 35 | 21 31 | 1 31 | 11 32 | 16 6 | 18 13 | 18 39 | 2 42 | 10 58 | 0 16 |
| M12 | 8 41 | 13 32 | 1 53 | 4 6 | 1 49 | 8 20 | 1 1 | 19 36 | 1 13 | 22 59 | 0 17 | 18 13 | 0 1 | 19 58 | 0 35 | 21 31 | 1 31 | 11 33 | 16 6 | 18 13 | 18 39 | 2 44 | 11 0 | 0 16 |
| T 13 | 9 3 | 16 28 | 0 49 | 4 55 | 1 43 | 8 4 | 0 55 | 19 36 | 1 12 | 22 59 | 0 17 | 18 12 | 0 1 | 19 58 | 0 35 | 21 31 | 1 31 | 11 33 | 16 6 | 18 12 | 18 38 | 2 46 | 11 1 | 0 16 |
| W14 | 9 25 | 18 42 | 0n18 | 5 44 | 1 37 | 7 46 | 0 49 | 19 37 | 1 11 | 23 0 | 0 17 | 18 11 | 0 1 | 19 58 | 0 35 | 21 30 | 1 31 | 11 34 | 16 5 | 18 12 | 18 37 | 2 48 | 11 2 | 0 16 |
| T 15 | 9 46 | 20 5 | 1 25 | 6 35 | 1 31 | 7 29 | 0 43 | 19 38 | 1 9 | 23 0 | 0 16 | 18 11 | 0 1 | 19 58 | 0 35 | 21 30 | 1 31 | 11 34 | 16 5 | 18 12 | 18 36 | 2 51 | 11 3 | 0 16 |
| F 16 | 10 8 | 20 29 | 2 29 | 7 25 | 1 24 | 7 11 | 0 37 | 19 38 | 1 8 | 23 0 | 0 16 | 18 10 | 0 1 | 19 57 | 0 35 | 21 30 | 1 31 | 11 35 | 16 5 | 18 13 | 18 35 | 2 53 | 11 4 | 0 16 |
| S 17 | 10 29 | 19 50 | 3 27 | 8 16 | 1 16 | 6 53 | 0 31 | 19 38 | 1 7 | 23 1 | 0 16 | 18 9 | 0 1 | 19 57 | 0 35 | 21 30 | 1 31 | 11 35 | 16 5 | 18 13 | 18 35 | 2 55 | 11 6 | 0 15 |
| S 18 | 10 50 | 18 6 | 4 16 | 9 7 | 1 8 | 6 34 | 0 26 | 19 39 | 1 5 | 23 1 | 0 16 | 18 9 | 0 1 | 19 57 | 0 35 | 21 30 | 1 31 | 11 36 | 16 5 | 18 13 | 18 34 | 2 57 | 11 7 | 0 15 |
| M19 | 11 11 | 15 20 | 4 51 | 9 59 | 1 0 | 6 16 | 0 20 | 19 39 | 1 4 | 23 1 | 0 16 | 18 8 | 0 1 | 19 57 | 0 35 | 21 30 | 1 31 | 11 36 | 16 5 | 18 13 | 18 33 | 2 59 | 11 8 | 0 15 |
| T 20 | 11 32 | 11 39 | 5 12 | 10 50 | 0 51 | 5 56 | 0 15 | 19 39 | 1 2 | 23 2 | 0 16 | 18 7 | 0 1 | 19 57 | 0 35 | 21 30 | 1 32 | 11 36 | 16 5 | 18 13 | 18 32 | 3 2 | 11 9 | 0 15 |
| W21 | 11 52 | 7 14 | 5 14 | 11 41 | 0 41 | 5 37 | 0 9 | 19 39 | 1 0 | 23 2 | 0 16 | 18 7 | 0 1 | 19 57 | 0 35 | 21 30 | 1 32 | 11 37 | 16 5 | 18 13 | 18 31 | 3 4 | 11 10 | 0 15 |
| T 22 | 12 13 | 2 17 | 4 56 | 12 33 | 0 31 | 5 17 | 0 4 | 19 39 | 0 59 | 23 2 | 0 15 | 18 6 | 0 2 | 19 57 | 0 34 | 21 30 | 1 32 | 11 37 | 16 4 | 18 12 | 18 31 | 3 6 | 11 12 | 0 15 |
| F 23 | 12 33 | 2n53 | 4 18 | 13 23 | 0 21 | 4 57 | 0s 1 | 19 38 | 0 57 | 23 3 | 0 15 | 18 6 | 0 2 | 19 56 | 0 34 | 21 30 | 1 32 | 11 38 | 16 4 | 18 12 | 18 30 | 3 8 | 11 13 | 0 15 |
| S 24 | 12 53 | 7 56 | 3 22 | 14 13 | 0 11 | 4 37 | 0 6 | 19 38 | 0 55 | 23 3 | 0 15 | 18 5 | 0 2 | 19 56 | 0 34 | 21 30 | 1 32 | 11 38 | 16 4 | 18 11 | 18 29 | 3 10 | 11 14 | 0 15 |
| S 25 | 13 12 | 12 31 | 2 13 | 15 3 | 0 0 | 4 16 | 0 11 | 19 37 | 0 54 | 23 3 | 0 15 | 18 4 | 0 2 | 19 56 | 0 34 | 21 29 | 1 32 | 11 38 | 16 4 | 18 11 | 18 28 | 3 12 | 11 15 | 0 15 |
| M26 | 13 32 | 16 16 | 0 54 | 15 51 | 0n10 | 3 56 | 0 16 | 19 37 | 0 52 | 23 3 | 0 15 | 18 4 | 0 2 | 19 56 | 0 34 | 21 29 | 1 32 | 11 39 | 16 4 | 18 10 | 18 27 | 3 15 | 11 16 | 0 15 |
| T 27 | 13 51 | 18 54 | 0s26 | 16 39 | 0 21 | 3 34 | 0 21 | 19 36 | 0 50 | 23 4 | 0 15 | 18 3 | 0 2 | 19 56 | 0 34 | 21 29 | 1 32 | 11 39 | 16 4 | 18 10 | 18 27 | 3 17 | 11 18 | 0 15 |
| W28 | 14 10 | 20 16 | 1 43 | 17 25 | 0 32 | 3 13 | 0 25 | 19 35 | 0 48 | 23 4 | 0 15 | 18 3 | 0 2 | 19 55 | 0 34 | 21 29 | 1 32 | 11 40 | 16 3 | 18 11 | 18 26 | 3 19 | 11 19 | 0 15 |
| T 29 | 14 29 | 20 21 | 2 52 | 18 9 | 0 43 | 2 52 | 0 30 | 19 34 | 0 46 | 23 4 | 0 15 | 18 3 | 0 2 | 19 55 | 0 34 | 21 29 | 1 32 | 11 40 | 16 3 | 18 11 | 18 25 | 3 21 | 11 20 | 0 15 |
| F 30 | 14n47 | 19n15 | 3s49 | 18n52 | 0n54 | 2s30 | 0s34 | 19s33 | 0n44 | 23n 4 | 0s14 | 18s 2 | 0s 2 | 19n55 | 0n34 | 21s29 | 1n32 | 11n40 | 16n 3 | 18s11 | 18s24 | 3s23 | 11n21 | 0n15 |

Julian Day Number = 2802998.5, Delta T = 50m51s
Ecliptic obliquity = 23°18'48, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°12'35, Lahiri = 37°19'35


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# ASTRODIENST EPHEMERIS for the year 2962
# geocentric

## MAY 2962 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 37 14 | 11♉ 8'36 | 21♋ 9 | 23♉18 | 26♓ 7 | 0°R50 | 29♊37 | 8♒41 | 3♌ 8 | 20°R59 | 7°R47 | 22♏ 4 | 22♏52 | 29♍ 0 | 29♈14 | S 1 |
| S 2 | 14 41 11 | 12° 7'22 | 3♌46 | 25°15 | 27°12 | 0♐33 | 29°49 | 8°43 | 3° 9 | 20♐57 | 7♎45 | 22° 5 | 22°49 | 29° 7 | 29°18 | S 2 |
| M 3 | 14 45 7 | 13° 6'06 | 16° 4 | 27°10 | 28°18 | 0°16 | 0♋ 0 | 8°44 | 3°10 | 20°56 | 7°44 | 22°R 5 | 22°46 | 29°14 | 29°21 | M 3 |
| T 4 | 14 49 4 | 14° 4'48 | 28°10 | 29° 2 | 29°25 | 29♏58 | 0°12 | 8°46 | 3°12 | 20°55 | 7°43 | 22° 4 | 22°42 | 29°20 | 29°25 | T 4 |
| W 5 | 14 53 0 | 15° 3'27 | 10♍ 6 | 0♊51 | 0♈31 | 29°40 | 0°23 | 8°47 | 3°13 | 20°54 | 7°42 | 22° 4 | 22°39 | 29°27 | 29°28 | W 5 |
| T 6 | 14 56 57 | 16° 2'05 | 21°57 | 2°36 | 1°38 | 29°21 | 0°35 | 8°48 | 3°14 | 20°53 | 7°40 | 22° 3 | 22°36 | 29°34 | 29°32 | T 6 |
| F 7 | 15 0 53 | 17° 0'40 | 3♎48 | 4°18 | 2°44 | 29° 2 | 0°47 | 8°50 | 3°16 | 20°51 | 7°39 | 22° 2 | 22°33 | 29°40 | 29°35 | F 7 |
| S 8 | 15 4 50 | 17°59'13 | 15°41 | 5°56 | 3°51 | 28°42 | 0°59 | 8°51 | 3°17 | 20°50 | 7°38 | 22° 2 | 22°30 | 29°47 | 29°38 | S 8 |
| S 9 | 15 8 46 | 18°57'44 | 27°40 | 7°30 | 4°58 | 28°22 | 1°11 | 8°52 | 3°19 | 20°49 | 7°37 | 22° 1 | 22°26 | 29°54 | 29°42 | S 9 |
| M10 | 15 12 43 | 19°56'13 | 9♏47 | 9° 0 | 6° 5 | 28° 2 | 1°23 | 8°52 | 3°20 | 20°47 | 7°36 | 22° 1 | 22°23 | 0♎ 1 | 29°45 | M10 |
| T 11 | 15 16 40 | 20°54'41 | 22° 4 | 10°26 | 7°12 | 27°41 | 1°35 | 8°53 | 3°22 | 20°46 | 7°35 | 22°D 1 | 22°20 | 0° 7 | 29°49 | T 11 |
| W12 | 15 20 36 | 21°53'07 | 4♐32 | 11°47 | 8°19 | 27°20 | 1°47 | 8°54 | 3°23 | 20°45 | 7°34 | 22°R 1 | 22°17 | 0°14 | 29°52 | W12 |
| T 13 | 15 24 33 | 22°51'31 | 17°14 | 13° 3 | 9°27 | 26°58 | 1°59 | 8°54 | 3°25 | 20°43 | 7°33 | 22° 1 | 22°14 | 0°21 | 29°55 | T 13 |
| F 14 | 15 28 29 | 23°49'53 | 0♑ 8 | 14°15 | 10°35 | 26°36 | 2°11 | 8°55 | 3°27 | 20°42 | 7°32 | 22° 1 | 22°11 | 0°27 | 29°59 | F 14 |
| S 15 | 15 32 26 | 24°48'14 | 13°16 | 15°22 | 11°42 | 26°14 | 2°24 | 8°55 | 3°29 | 20°40 | 7°31 | 22° 1 | 22° 7 | 0°34 | 0♉ 2 | S 15 |
| S 16 | 15 36 22 | 25°46'33 | 26°39 | 16°25 | 12°50 | 25°52 | 2°36 | 8°55 | 3°30 | 20°39 | 7°30 | 22° 0 | 22° 4 | 0°41 | 0° 5 | S 16 |
| M17 | 15 40 19 | 26°44'50 | 10♒17 | 17°22 | 13°58 | 25°30 | 2°48 | 8°56 | 3°32 | 20°38 | 7°29 | 22° 0 | 22° 1 | 0°47 | 0° 9 | M17 |
| T 18 | 15 44 15 | 27°43'07 | 24° 9 | 18°15 | 15° 6 | 25° 8 | 3° 1 | 8°R56 | 3°34 | 20°36 | 7°28 | 22°D 0 | 21°58 | 0°54 | 0°12 | T 18 |
| W19 | 15 48 12 | 28°41'21 | 8♓15 | 19° 2 | 16°14 | 24°45 | 3°14 | 8°56 | 3°36 | 20°35 | 7°27 | 22° 0 | 21°55 | 1° 1 | 0°15 | W19 |
| T 20 | 15 52 9 | 29°39'35 | 22°33 | 19°44 | 17°23 | 24°23 | 3°26 | 8°55 | 3°38 | 20°33 | 7°26 | 22° 0 | 21°52 | 1° 7 | 0°18 | T 20 |
| F 21 | 15 56 5 | 0♊37'46 | 7♈ 0 | 20°21 | 18°31 | 24° 0 | 3°39 | 8°55 | 3°40 | 20°32 | 7°25 | 22° 1 | 21°48 | 1°14 | 0°21 | F 21 |
| S 22 | 16 0 2 | 1°35'57 | 21°34 | 20°53 | 19°40 | 23°38 | 3°52 | 8°55 | 3°42 | 20°30 | 7°24 | 22° 2 | 21°45 | 1°21 | 0°25 | S 22 |
| S 23 | 16 3 58 | 2°34'06 | 6♉ 8 | 21°20 | 20°48 | 23°16 | 4° 4 | 8°54 | 3°44 | 20°29 | 7°24 | 22° 2 | 21°42 | 1°28 | 0°28 | S 23 |
| M24 | 16 7 55 | 3°32'14 | 20°38 | 21°42 | 21°57 | 22°54 | 4°17 | 8°54 | 3°47 | 20°27 | 7°23 | 22°R 3 | 21°39 | 1°34 | 0°31 | M24 |
| T 25 | 16 11 51 | 4°30'20 | 4♊57 | 21°58 | 23° 6 | 22°33 | 4°30 | 8°53 | 3°49 | 20°26 | 7°22 | 22° 2 | 21°36 | 1°41 | 0°34 | T 25 |
| W26 | 16 15 48 | 5°28'25 | 19° 0 | 22°10 | 24°14 | 22°11 | 4°43 | 8°53 | 3°51 | 20°24 | 7°21 | 22° 1 | 21°32 | 1°48 | 0°37 | W26 |
| T 27 | 16 19 44 | 6°26'28 | 2♋44 | 22°16 | 25°23 | 21°51 | 4°56 | 8°52 | 3°53 | 20°23 | 7°21 | 22° 0 | 21°29 | 1°54 | 0°40 | T 27 |
| F 28 | 16 23 41 | 7°24'29 | 16° 7 | 22°R17 | 26°32 | 21°30 | 5° 9 | 8°51 | 3°56 | 20°21 | 7°20 | 21°58 | 21°26 | 2° 1 | 0°43 | F 28 |
| S 29 | 16 27 38 | 8°22'29 | 29° 7 | 22°13 | 27°41 | 21°10 | 5°22 | 8°50 | 3°58 | 20°19 | 7°20 | 21°56 | 21°23 | 2° 8 | 0°46 | S 29 |
| S 30 | 16 31 34 | 9°20'27 | 11♌47 | 22° 5 | 28°51 | 20°50 | 5°35 | 8°49 | 4° 0 | 20°18 | 7°19 | 21°54 | 21°20 | 2°14 | 0°49 | S 30 |
| M31 | 16 35 31 | 10♊18'23 | 24♌ 9 | 21♊52 | 29♈59 | 20♏31 | 5♋48 | 8♒48 | 4♌ 3 | 20♐16 | 7♎18 | 21♏52 | 21♏17 | 2♎21 | 0♉52 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n 6 | 17n11 | 4s32 | 19n33 | 1n 5 | 2s 8 | 0s39 | 19s32 | 0n42 | 23n 4 | 0s14 | 18s 2 | 0s 2 | 19n55 | 0n34 | 21s29 | 1n32 | 11n40 | 16n 3 | 18s11 | 18s23 | 3s26 | 11n22 | 0n15 |
| S 2 | 15 24 | 14 20 | 5 1 | 20 12 | 1 16 | 1 46 | 0 43 | 19 31 | 0 40 | 23 5 | 0 14 | 18 2 | 0 2 | 19 54 | 0 34 | 21 29 | 1 32 | 11 41 | 16 2 | 18 11 | 18 23 | 3 28 | 11 23 | 0 14 |
| M 3 | 15 41 | 10 55 | 5 15 | 20 49 | 1 26 | 1 24 | 0 47 | 19 29 | 0 38 | 23 5 | 0 14 | 18 1 | 0 2 | 19 54 | 0 34 | 21 29 | 1 32 | 11 41 | 16 2 | 18 11 | 18 22 | 3 30 | 11 25 | 0 14 |
| T 4 | 15 59 | 7 7 | 5 15 | 21 23 | 1 35 | 1 1 | 0 51 | 19 28 | 0 35 | 23 5 | 0 14 | 18 1 | 0 3 | 19 54 | 0 34 | 21 28 | 1 32 | 11 41 | 16 2 | 18 11 | 18 21 | 3 32 | 11 26 | 0 14 |
| W 5 | 16 16 | 3 5 | 5 2 | 21 55 | 1 45 | 0 38 | 0 55 | 19 26 | 0 33 | 23 5 | 0 14 | 18 1 | 0 3 | 19 53 | 0 34 | 21 28 | 1 32 | 11 41 | 16 2 | 18 11 | 18 20 | 3 34 | 11 27 | 0 14 |
| T 6 | 16 33 | 1s 2 | 4 35 | 22 25 | 1 53 | 0 16 | 0 59 | 19 24 | 0 31 | 23 5 | 0 14 | 18 0 | 0 3 | 19 53 | 0 34 | 21 28 | 1 32 | 11 42 | 16 1 | 18 11 | 18 19 | 3 36 | 11 28 | 0 14 |
| F 7 | 16 50 | 5 8 | 3 57 | 22 53 | 2 1 | 0n 7 | 1 3 | 19 22 | 0 29 | 23 5 | 0 14 | 18 0 | 0 3 | 19 53 | 0 34 | 21 28 | 1 32 | 11 42 | 16 1 | 18 11 | 18 19 | 3 39 | 11 29 | 0 14 |
| S 8 | 17 6 | 9 2 | 3 8 | 23 18 | 2 8 | 0 30 | 1 6 | 19 20 | 0 26 | 23 5 | 0 13 | 18 0 | 0 3 | 19 52 | 0 34 | 21 28 | 1 32 | 11 42 | 16 1 | 18 11 | 18 18 | 3 41 | 11 30 | 0 14 |
| S 9 | 17 22 | 12 38 | 2 11 | 23 40 | 2 15 | 0 54 | 1 10 | 19 18 | 0 24 | 23 5 | 0 13 | 18 0 | 0 3 | 19 52 | 0 34 | 21 28 | 1 32 | 11 42 | 16 1 | 18 11 | 18 17 | 3 43 | 11 31 | 0 14 |
| M10 | 17 38 | 15 44 | 1 7 | 24 0 | 2 21 | 1 17 | 1 13 | 19 16 | 0 21 | 23 5 | 0 13 | 18 0 | 0 3 | 19 52 | 0 34 | 21 28 | 1 32 | 11 42 | 16 0 | 18 11 | 18 16 | 3 45 | 11 33 | 0 14 |
| T 11 | 17 53 | 18 11 | 0n 0 | 24 18 | 2 26 | 1 40 | 1 16 | 19 14 | 0 19 | 23 5 | 0 13 | 18 0 | 0 3 | 19 51 | 0 34 | 21 28 | 1 32 | 11 43 | 16 0 | 18 11 | 18 15 | 3 47 | 11 34 | 0 14 |
| W12 | 18 9 | 19 48 | 1 9 | 24 33 | 2 30 | 2 4 | 1 20 | 19 11 | 0 16 | 23 5 | 0 13 | 17 59 | 0 3 | 19 51 | 0 34 | 21 28 | 1 32 | 11 43 | 16 0 | 18 11 | 18 15 | 3 49 | 11 35 | 0 14 |
| T 13 | 18 23 | 20 27 | 2 15 | 24 46 | 2 33 | 2 28 | 1 23 | 19 9 | 0 14 | 23 5 | 0 13 | 17 59 | 0 3 | 19 50 | 0 34 | 21 27 | 1 32 | 11 43 | 15 59 | 18 11 | 18 14 | 3 51 | 11 36 | 0 14 |
| F 14 | 18 38 | 20 3 | 3 16 | 24 57 | 2 35 | 2 51 | 1 25 | 19 6 | 0 11 | 23 5 | 0 13 | 17 59 | 0 3 | 19 50 | 0 34 | 21 27 | 1 32 | 11 43 | 15 59 | 18 11 | 18 13 | 3 54 | 11 37 | 0 14 |
| S 15 | 18 52 | 18 33 | 4 8 | 25 6 | 2 36 | 3 15 | 1 28 | 19 4 | 0 9 | 23 5 | 0 13 | 17 59 | 0 3 | 19 50 | 0 34 | 21 27 | 1 32 | 11 43 | 15 59 | 18 10 | 18 12 | 3 56 | 11 38 | 0 14 |
| S 16 | 19 6 | 16 1 | 4 47 | 25 12 | 2 36 | 3 39 | 1 31 | 19 1 | 0 6 | 23 5 | 0 12 | 17 59 | 0 4 | 19 49 | 0 34 | 21 27 | 1 32 | 11 43 | 15 58 | 18 10 | 18 11 | 3 58 | 11 39 | 0 14 |
| M17 | 19 20 | 12 35 | 5 11 | 25 17 | 2 35 | 4 3 | 1 34 | 18 58 | 0 4 | 23 5 | 0 12 | 17 59 | 0 4 | 19 49 | 0 34 | 21 27 | 1 32 | 11 43 | 15 58 | 18 10 | 18 11 | 4 0 | 11 40 | 0 13 |
| T 18 | 19 33 | 8 25 | 5 17 | 25 20 | 2 33 | 4 26 | 1 36 | 18 56 | 0 1 | 23 5 | 0 12 | 17 59 | 0 4 | 19 48 | 0 34 | 21 27 | 1 32 | 11 43 | 15 58 | 18 10 | 18 10 | 4 2 | 11 41 | 0 13 |
| W19 | 19 46 | 3 43 | 5 5 | 25 21 | 2 30 | 4 50 | 1 39 | 18 53 | 0s 1 | 23 4 | 0 12 | 18 0 | 0 4 | 19 48 | 0 34 | 21 27 | 1 32 | 11 43 | 15 57 | 18 10 | 18 9 | 4 4 | 11 43 | 0 13 |
| T 20 | 19 58 | 1n15 | 4 33 | 25 20 | 2 26 | 5 14 | 1 41 | 18 50 | 0 4 | 23 4 | 0 12 | 18 0 | 0 4 | 19 47 | 0 34 | 21 27 | 1 32 | 11 43 | 15 57 | 18 10 | 18 8 | 4 6 | 11 44 | 0 13 |
| F 21 | 20 10 | 6 12 | 3 45 | 25 18 | 2 20 | 5 38 | 1 43 | 18 47 | 0 7 | 23 4 | 0 12 | 18 0 | 0 4 | 19 47 | 0 34 | 21 26 | 1 32 | 11 43 | 15 57 | 18 10 | 18 7 | 4 9 | 11 45 | 0 13 |
| S 22 | 20 22 | 10 51 | 2 41 | 25 14 | 2 14 | 6 2 | 1 45 | 18 44 | 0 9 | 23 4 | 0 12 | 18 0 | 0 4 | 19 46 | 0 34 | 21 26 | 1 32 | 11 43 | 15 56 | 18 11 | 18 6 | 4 11 | 11 46 | 0 13 |
| S 23 | 20 34 | 14 52 | 1 27 | 25 8 | 2 6 | 6 25 | 1 47 | 18 41 | 0 12 | 23 3 | 0 12 | 18 0 | 0 4 | 19 46 | 0 34 | 21 26 | 1 32 | 11 43 | 15 56 | 18 11 | 18 6 | 4 13 | 11 47 | 0 13 |
| M24 | 20 45 | 17 56 | 0 8 | 25 1 | 1 58 | 6 49 | 1 49 | 18 38 | 0 15 | 23 3 | 0 12 | 18 0 | 0 4 | 19 45 | 0 34 | 21 26 | 1 32 | 11 43 | 15 55 | 18 11 | 18 5 | 4 15 | 11 48 | 0 13 |
| T 25 | 20 56 | 19 51 | 1s11 | 24 52 | 1 48 | 7 13 | 1 51 | 18 35 | 0 17 | 23 3 | 0 11 | 18 1 | 0 4 | 19 45 | 0 34 | 21 26 | 1 32 | 11 43 | 15 55 | 18 11 | 18 4 | 4 17 | 11 49 | 0 13 |
| W26 | 21 6 | 20 28 | 2 24 | 24 42 | 1 37 | 7 37 | 1 52 | 18 32 | 0 20 | 23 2 | 0 11 | 18 1 | 0 4 | 19 44 | 0 34 | 21 26 | 1 32 | 11 43 | 15 55 | 18 11 | 18 3 | 4 19 | 11 50 | 0 13 |
| T 27 | 21 16 | 19 51 | 3 27 | 24 30 | 1 25 | 8 0 | 1 54 | 18 29 | 0 22 | 23 2 | 0 11 | 18 1 | 0 5 | 19 44 | 0 34 | 21 26 | 1 32 | 11 43 | 15 54 | 18 10 | 18 2 | 4 21 | 11 51 | 0 13 |
| F 28 | 21 26 | 18 6 | 4 16 | 24 17 | 1 12 | 8 24 | 1 55 | 18 27 | 0 25 | 23 2 | 0 11 | 18 2 | 0 5 | 19 43 | 0 34 | 21 26 | 1 32 | 11 43 | 15 54 | 18 10 | 18 2 | 4 23 | 11 52 | 0 13 |
| S 29 | 21 35 | 15 28 | 4 51 | 24 3 | 0 58 | 8 47 | 1 57 | 18 24 | 0 27 | 23 1 | 0 11 | 18 2 | 0 5 | 19 42 | 0 34 | 21 26 | 1 32 | 11 43 | 15 54 | 18 9 | 18 1 | 4 26 | 11 53 | 0 13 |
| S 30 | 21 44 | 12 11 | 5 11 | 23 48 | 0 44 | 9 10 | 1 58 | 18 21 | 0 30 | 23 1 | 0 11 | 18 2 | 0 5 | 19 42 | 0 34 | 21 25 | 1 32 | 11 42 | 15 53 | 18 9 | 18 0 | 4 28 | 11 54 | 0 13 |
| M31 | 21n53 | 8n26 | 5s15 | 23n32 | 0n28 | 9n33 | 1s59 | 18s18 | 0s32 | 23n 0 | 0s11 | 18s 3 | 0s 5 | 19n41 | 0n34 | 21s25 | 1n32 | 11n42 | 15n53 | 18s 8 | 17s59 | 4s30 | 11n55 | 0n13 |

Julian Day Number = 2803028.5, Delta T = 50m52s
Ecliptic obliquity = 23°18'47, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°12'39, Lahiri = 37°19'39


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# ASTRODIENST EPHEMERIS for the year 2962
# geocentric

## JUNE 2962 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 39 27 | 11♊16'17 | 6♍16 | 21°R35 | 1♉ 9 | 20°R12 | 6♋ 2 | 8°R46 | 4♌ 5 | 20°R15 | 7°R18 | 21°D51 | 21♏13 | 2♎28 | 0♉55 | T 1 |
| W 2 | 16 43 24 | 12°14'10 | 18°13 | 21♊14 | 2°18 | 19♏54 | 6°15 | 8♒45 | 4° 8 | 20♐13 | 7♎17 | 21♏51 | 21°10 | 2°34 | 0°58 | W 2 |
| T 3 | 16 47 20 | 13°12'01 | 0♎ 5 | 20°50 | 3°28 | 19°37 | 6°28 | 8°43 | 4°11 | 20°11 | 7°17 | 21°52 | 21° 7 | 2°41 | 1° 1 | T 3 |
| F 4 | 16 51 17 | 14° 9'50 | 11°56 | 20°22 | 4°37 | 19°20 | 6°41 | 8°42 | 4°13 | 20°10 | 7°16 | 21°54 | 21° 4 | 2°48 | 1° 4 | F 4 |
| S 5 | 16 55 13 | 15° 7'38 | 23°51 | 19°53 | 5°47 | 19° 3 | 6°55 | 8°40 | 4°16 | 20° 8 | 7°16 | 21°55 | 21° 1 | 2°55 | 1° 6 | S 5 |
| S 6 | 16 59 10 | 16° 5'24 | 5♏55 | 19°21 | 6°57 | 18°48 | 7° 8 | 8°38 | 4°18 | 20° 7 | 7°16 | 21°57 | 20°58 | 3° 1 | 1° 9 | S 6 |
| M 7 | 17 3 7 | 17° 3'09 | 18°10 | 18°48 | 8° 6 | 18°33 | 7°21 | 8°37 | 4°21 | 20° 5 | 7°15 | 21°R57 | 20°54 | 3° 8 | 1°12 | M 7 |
| T 8 | 17 7 3 | 18° 0'52 | 0♐39 | 18°14 | 9°16 | 18°19 | 7°35 | 8°35 | 4°24 | 20° 3 | 7°15 | 21°57 | 20°51 | 3°15 | 1°14 | T 8 |
| W 9 | 17 11 0 | 18°58'34 | 13°24 | 17°39 | 10°26 | 18° 5 | 7°48 | 8°33 | 4°27 | 20° 2 | 7°15 | 21°56 | 20°48 | 3°21 | 1°17 | W 9 |
| T 10 | 17 14 56 | 19°56'15 | 26°27 | 17° 5 | 11°36 | 17°53 | 8° 2 | 8°31 | 4°30 | 20° 0 | 7°15 | 21°53 | 20°45 | 3°28 | 1°20 | T 10 |
| F 11 | 17 18 53 | 20°53'54 | 9♑45 | 16°32 | 12°46 | 17°41 | 8°15 | 8°28 | 4°32 | 19°58 | 7°14 | 21°49 | 20°42 | 3°35 | 1°22 | F 11 |
| S 12 | 17 22 49 | 21°51'33 | 23°18 | 16° 1 | 13°56 | 17°29 | 8°29 | 8°26 | 4°35 | 19°57 | 7°14 | 21°45 | 20°38 | 3°41 | 1°25 | S 12 |
| S 13 | 17 26 46 | 22°49'10 | 7♒ 4 | 15°32 | 15° 6 | 17°19 | 8°42 | 8°24 | 4°38 | 19°55 | 7°14 | 21°40 | 20°35 | 3°48 | 1°27 | S 13 |
| M14 | 17 30 43 | 23°46'47 | 21° 0 | 15° 5 | 16°16 | 17° 9 | 8°56 | 8°21 | 4°41 | 19°54 | 7°14 | 21°36 | 20°32 | 3°55 | 1°30 | M14 |
| T 15 | 17 34 39 | 24°44'22 | 5♓ 3 | 14°41 | 17°26 | 17° 0 | 9° 9 | 8°19 | 4°44 | 19°52 | 7°14 | 21°33 | 20°29 | 4° 1 | 1°32 | T 15 |
| W16 | 17 38 36 | 25°41'57 | 19°11 | 14°20 | 18°37 | 16°52 | 9°23 | 8°16 | 4°47 | 19°50 | 7°14 | 21°32 | 20°26 | 4° 8 | 1°35 | W16 |
| T 17 | 17 42 32 | 26°39'31 | 3♈23 | 14° 3 | 19°47 | 16°45 | 9°37 | 8°13 | 4°50 | 19°49 | 7°D14 | 21°D32 | 20°23 | 4°15 | 1°37 | T 17 |
| F 18 | 17 46 29 | 27°37'04 | 17°35 | 13°50 | 20°57 | 16°39 | 9°50 | 8°11 | 4°53 | 19°47 | 7°14 | 21°33 | 20°19 | 4°21 | 1°39 | F 18 |
| S 19 | 17 50 25 | 28°34'37 | 1♉46 | 13°41 | 22° 8 | 16°33 | 10° 4 | 8° 8 | 4°56 | 19°46 | 7°14 | 21°34 | 20°16 | 4°28 | 1°42 | S 19 |
| S 20 | 17 54 22 | 29°32'09 | 15°54 | 13°37 | 23°18 | 16°28 | 10°18 | 8° 5 | 4°59 | 19°44 | 7°14 | 21°R35 | 20°13 | 4°35 | 1°44 | S 20 |
| M21 | 17 58 18 | 0♋29'40 | 29°57 | 13°D37 | 24°29 | 16°24 | 10°31 | 8° 2 | 5° 2 | 19°42 | 7°14 | 21°35 | 20°10 | 4°42 | 1°46 | M21 |
| T 22 | 18 2 15 | 1°27'11 | 13♊51 | 13°41 | 25°39 | 16°21 | 10°45 | 7°59 | 5° 6 | 19°41 | 7°14 | 21°33 | 20° 7 | 4°48 | 1°48 | T 22 |
| W23 | 18 6 12 | 2°24'40 | 27°34 | 13°49 | 26°50 | 16°19 | 10°59 | 7°56 | 5° 9 | 19°39 | 7°14 | 21°29 | 20° 4 | 4°55 | 1°50 | W23 |
| T 24 | 18 10 8 | 3°22'09 | 11♋ 2 | 14° 3 | 28° 1 | 16°17 | 11°13 | 7°53 | 5°12 | 19°38 | 7°15 | 21°24 | 20° 0 | 5° 2 | 1°52 | T 24 |
| F 25 | 18 14 5 | 4°19'37 | 24°14 | 14°20 | 29°11 | 16°D17 | 11°26 | 7°49 | 5°15 | 19°36 | 7°15 | 21°17 | 19°57 | 5° 8 | 1°54 | F 25 |
| S 26 | 18 18 1 | 5°17'04 | 7♌ 8 | 14°43 | 0♊22 | 16°17 | 11°40 | 7°46 | 5°19 | 19°34 | 7°15 | 21° 9 | 19°54 | 5°15 | 1°56 | S 26 |
| S 27 | 18 21 58 | 6°14'30 | 19°45 | 15° 9 | 1°33 | 16°18 | 11°54 | 7°43 | 5°22 | 19°33 | 7°15 | 21° 2 | 19°51 | 5°22 | 1°58 | S 27 |
| M28 | 18 25 54 | 7°11'55 | 2♍ 5 | 15°40 | 2°44 | 16°19 | 12° 8 | 7°39 | 5°25 | 19°31 | 7°16 | 20°56 | 19°48 | 5°28 | 2° 0 | M28 |
| T 29 | 18 29 51 | 8° 9'19 | 14°12 | 16°15 | 3°55 | 16°22 | 12°22 | 7°36 | 5°28 | 19°30 | 7°16 | 20°51 | 19°44 | 5°35 | 2° 2 | T 29 |
| W30 | 18 33 47 | 9♋ 6'42 | 26♍ 8 | 16♊55 | 5♊ 6 | 16♏25 | 12♋35 | 7♒32 | 5♌32 | 19♐28 | 7♎16 | 20♏48 | 19♏41 | 5♎42 | 2♉ 4 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n 1 | 4n25 | 5s 6 | 23n15 | 0n12 | 9n56 | 2s 0 | 18s16 | 0s35 | 23n 0 | 0s11 | 18s 3 | 0s 5 | 19n41 | 0n34 | 21s25 | 1n32 | 11n42 | 15n52 | 18s 8 | 17s58 | 4s32 | 11n56 | 0n12 |
| W 2 | 22 8 | 0 17 | 4 43 | 22 56 | 0s 5 | 10 19 | 2 1 | 18 13 | 0 37 | 22 59 | 0 11 | 18 4 | 0 5 | 19 40 | 0 34 | 21 25 | 1 32 | 11 42 | 15 52 | 18 8 | 17 57 | 4 34 | 11 57 | 0 12 |
| T 3 | 22 16 | 3s50 | 4 8 | 22 38 | 0 22 | 10 42 | 2 2 | 18 11 | 0 40 | 22 59 | 0 10 | 18 4 | 0 5 | 19 39 | 0 34 | 21 25 | 1 32 | 11 42 | 15 52 | 18 8 | 17 57 | 4 36 | 11 57 | 0 12 |
| F 4 | 22 23 | 7 49 | 3 23 | 22 18 | 0 40 | 11 4 | 2 2 | 18 9 | 0 42 | 22 58 | 0 10 | 18 5 | 0 5 | 19 39 | 0 34 | 21 25 | 1 32 | 11 41 | 15 51 | 18 9 | 17 56 | 4 38 | 11 58 | 0 12 |
| S 5 | 22 29 | 11 31 | 2 29 | 21 58 | 0 58 | 11 27 | 2 3 | 18 6 | 0 45 | 22 58 | 0 10 | 18 5 | 0 5 | 19 38 | 0 34 | 21 25 | 1 32 | 11 41 | 15 51 | 18 9 | 17 55 | 4 40 | 11 59 | 0 12 |
| S 6 | 22 35 | 14 48 | 1 27 | 21 38 | 1 15 | 11 49 | 2 3 | 18 4 | 0 47 | 22 57 | 0 10 | 18 6 | 0 5 | 19 37 | 0 34 | 21 25 | 1 32 | 11 41 | 15 50 | 18 9 | 17 54 | 4 42 | 12 0 | 0 12 |
| M 7 | 22 41 | 17 29 | 0 21 | 21 18 | 1 33 | 12 11 | 2 4 | 18 3 | 0 49 | 22 57 | 0 10 | 18 6 | 0 6 | 19 37 | 0 34 | 21 24 | 1 32 | 11 41 | 15 50 | 18 10 | 17 53 | 4 45 | 12 1 | 0 12 |
| T 8 | 22 47 | 19 24 | 0n48 | 20 58 | 1 50 | 12 33 | 2 4 | 18 1 | 0 51 | 22 56 | 0 10 | 18 7 | 0 6 | 19 36 | 0 34 | 21 24 | 1 32 | 11 40 | 15 49 | 18 10 | 17 52 | 4 47 | 12 2 | 0 12 |
| W 9 | 22 51 | 20 23 | 1 55 | 20 38 | 2 7 | 12 54 | 2 4 | 17 59 | 0 54 | 22 55 | 0 10 | 18 7 | 0 6 | 19 35 | 0 33 | 21 24 | 1 32 | 11 40 | 15 49 | 18 9 | 17 52 | 4 49 | 12 3 | 0 12 |
| T 10 | 22 56 | 20 18 | 2 58 | 20 19 | 2 23 | 13 15 | 2 4 | 17 58 | 0 56 | 22 55 | 0 10 | 18 8 | 0 6 | 19 35 | 0 33 | 21 24 | 1 32 | 11 40 | 15 49 | 18 8 | 17 51 | 4 51 | 12 4 | 0 12 |
| F 11 | 23 0 | 19 6 | 3 52 | 20 1 | 2 38 | 13 36 | 2 5 | 17 56 | 0 58 | 22 54 | 0 10 | 18 9 | 0 6 | 19 34 | 0 33 | 21 24 | 1 32 | 11 40 | 15 48 | 18 7 | 17 50 | 4 53 | 12 4 | 0 12 |
| S 12 | 23 4 | 16 48 | 4 35 | 19 43 | 2 53 | 13 57 | 2 4 | 17 55 | 1 0 | 22 53 | 0 10 | 18 9 | 0 6 | 19 33 | 0 33 | 21 24 | 1 32 | 11 39 | 15 48 | 18 6 | 17 49 | 4 55 | 12 5 | 0 12 |
| S 13 | 23 7 | 13 32 | 5 2 | 19 27 | 3 6 | 14 18 | 2 4 | 17 54 | 1 2 | 22 52 | 0 9 | 18 10 | 0 6 | 19 33 | 0 33 | 21 24 | 1 32 | 11 39 | 15 47 | 18 5 | 17 48 | 4 57 | 12 6 | 0 12 |
| M14 | 23 10 | 9 29 | 5 12 | 19 12 | 3 19 | 14 38 | 2 4 | 17 54 | 1 4 | 22 52 | 0 9 | 18 11 | 0 6 | 19 32 | 0 33 | 21 24 | 1 32 | 11 38 | 15 47 | 18 4 | 17 47 | 4 59 | 12 7 | 0 12 |
| T 15 | 23 13 | 4 54 | 5 4 | 18 58 | 3 30 | 14 58 | 2 4 | 17 53 | 1 6 | 22 51 | 0 9 | 18 11 | 0 6 | 19 31 | 0 33 | 21 24 | 1 32 | 11 38 | 15 46 | 18 3 | 17 47 | 5 1 | 12 8 | 0 12 |
| W16 | 23 15 | 0 0 | 4 37 | 18 46 | 3 40 | 15 18 | 2 3 | 17 53 | 1 8 | 22 50 | 0 9 | 18 12 | 0 6 | 19 30 | 0 33 | 21 23 | 1 32 | 11 38 | 15 46 | 18 3 | 17 46 | 5 3 | 12 8 | 0 12 |
| T 17 | 23 16 | 4n54 | 3 53 | 18 35 | 3 49 | 15 37 | 2 3 | 17 52 | 1 10 | 22 49 | 0 9 | 18 13 | 0 6 | 19 30 | 0 33 | 21 23 | 1 32 | 11 37 | 15 45 | 18 3 | 17 45 | 5 5 | 12 9 | 0 11 |
| F 18 | 23 17 | 9 34 | 2 55 | 18 26 | 3 56 | 15 56 | 2 2 | 17 52 | 1 12 | 22 48 | 0 9 | 18 14 | 0 7 | 19 29 | 0 33 | 21 23 | 1 32 | 11 37 | 15 45 | 18 3 | 17 44 | 5 8 | 12 10 | 0 11 |
| S 19 | 23 18 | 13 41 | 1 46 | 18 19 | 4 2 | 16 15 | 2 2 | 17 53 | 1 14 | 22 47 | 0 9 | 18 15 | 0 7 | 19 28 | 0 33 | 21 23 | 1 32 | 11 36 | 15 45 | 18 4 | 17 43 | 5 10 | 12 11 | 0 11 |
| S 20 | 23 19 | 17 0 | 0 31 | 18 13 | 4 7 | 16 33 | 2 1 | 17 53 | 1 16 | 22 46 | 0 9 | 18 15 | 0 7 | 19 27 | 0 33 | 21 23 | 1 32 | 11 36 | 15 44 | 18 4 | 17 42 | 5 12 | 12 11 | 0 11 |
| M21 | 23 19 | 19 18 | 0s45 | 18 10 | 4 11 | 16 51 | 2 0 | 17 53 | 1 17 | 22 45 | 0 9 | 18 16 | 0 7 | 19 27 | 0 33 | 21 23 | 1 32 | 11 36 | 15 44 | 18 4 | 17 41 | 5 14 | 12 12 | 0 11 |
| T 22 | 23 18 | 20 23 | 1 58 | 18 8 | 4 13 | 17 9 | 1 59 | 17 54 | 1 19 | 22 44 | 0 9 | 18 17 | 0 7 | 19 26 | 0 33 | 21 23 | 1 32 | 11 35 | 15 43 | 18 3 | 17 41 | 5 16 | 12 13 | 0 11 |
| W23 | 23 17 | 20 15 | 3 3 | 18 7 | 4 15 | 17 26 | 1 58 | 17 55 | 1 21 | 22 43 | 0 8 | 18 18 | 0 7 | 19 25 | 0 33 | 21 23 | 1 32 | 11 35 | 15 43 | 18 2 | 17 40 | 5 18 | 12 13 | 0 11 |
| T 24 | 23 16 | 18 56 | 3 56 | 18 9 | 4 15 | 17 43 | 1 57 | 17 56 | 1 22 | 22 42 | 0 8 | 18 19 | 0 7 | 19 24 | 0 33 | 21 23 | 1 32 | 11 34 | 15 42 | 18 1 | 17 39 | 5 20 | 12 14 | 0 11 |
| F 25 | 23 15 | 16 38 | 4 35 | 18 11 | 4 14 | 17 59 | 1 56 | 17 57 | 1 24 | 22 41 | 0 8 | 18 20 | 0 7 | 19 24 | 0 33 | 21 22 | 1 32 | 11 34 | 15 42 | 17 59 | 17 38 | 5 22 | 12 15 | 0 11 |
| S 26 | 23 12 | 13 33 | 4 59 | 18 16 | 4 12 | 18 15 | 1 55 | 17 59 | 1 25 | 22 40 | 0 8 | 18 21 | 0 7 | 19 23 | 0 33 | 21 22 | 1 32 | 11 33 | 15 41 | 17 57 | 17 37 | 5 24 | 12 15 | 0 11 |
| S 27 | 23 10 | 9 56 | 5 8 | 18 21 | 4 9 | 18 31 | 1 53 | 18 1 | 1 27 | 22 39 | 0 8 | 18 22 | 0 7 | 19 22 | 0 33 | 21 22 | 1 32 | 11 33 | 15 41 | 17 55 | 17 36 | 5 26 | 12 16 | 0 11 |
| M28 | 23 7 | 5 58 | 5 3 | 18 28 | 4 6 | 18 46 | 1 52 | 18 3 | 1 28 | 22 38 | 0 8 | 18 23 | 0 7 | 19 21 | 0 33 | 21 22 | 1 32 | 11 32 | 15 40 | 17 54 | 17 36 | 5 28 | 12 17 | 0 11 |
| T 29 | 23 4 | 1 49 | 4 43 | 18 37 | 4 1 | 19 1 | 1 51 | 18 5 | 1 30 | 22 37 | 0 8 | 18 24 | 0 8 | 19 20 | 0 33 | 21 22 | 1 32 | 11 32 | 15 40 | 17 52 | 17 35 | 5 30 | 12 17 | 0 11 |
| W30 | 23n 0 | 2s20 | 4s12 | 18n46 | 3s56 | 19n15 | 1s49 | 18s 7 | 1s31 | 22n36 | 0s 8 | 18s25 | 0s 8 | 19n20 | 0n33 | 21s22 | 1n32 | 11n31 | 15n40 | 17s52 | 17s34 | 5s32 | 12n18 | 0n11 |

Julian Day Number = 2803059.5, Delta T = 50m52s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°12'43, Lahiri = 37°19'44


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# ASTRODIENST EPHEMERIS for the year 2962
# geocentric

## JULY 2962 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 37 44 | 10♋ 4'05 | 8♎ 0 | 17♊38 | 6♊17 | 16♏29 | 12♋49 | 7°R28 | 5♌35 | 19°R27 | 7♎17 | 20°D47 | 19♏38 | 5♎48 | 2♉ 6 | T 1 |
| F 2 | 18 41 41 | 11° 1'26 | 19°51 | 18°26 | 7°28 | 16°34 | 13° 3 | 7♒25 | 5°39 | 19♐25 | 7°17 | 20♏48 | 19°35 | 5°55 | 2° 7 | F 2 |
| S 3 | 18 45 37 | 11°58'46 | 1♏47 | 19°17 | 8°39 | 16°40 | 13°17 | 7°21 | 5°42 | 19°24 | 7°18 | 20°49 | 19°32 | 6° 2 | 2° 9 | S 3 |
| S 4 | 18 49 34 | 12°56'06 | 13°52 | 20°13 | 9°50 | 16°46 | 13°31 | 7°17 | 5°45 | 19°22 | 7°18 | 20°50 | 19°29 | 6° 8 | 2°11 | S 4 |
| M 5 | 18 53 30 | 13°53'25 | 26°12 | 21°12 | 11° 1 | 16°53 | 13°44 | 7°13 | 5°49 | 19°21 | 7°19 | 20°R50 | 19°25 | 6°15 | 2°12 | M 5 |
| T 6 | 18 57 27 | 14°50'43 | 8♐50 | 22°15 | 12°12 | 17° 1 | 13°58 | 7° 9 | 5°52 | 19°20 | 7°19 | 20°48 | 19°22 | 6°22 | 2°14 | T 6 |
| W 7 | 19 1 23 | 15°48'01 | 21°48 | 23°22 | 13°23 | 17° 9 | 14°12 | 7° 5 | 5°56 | 19°18 | 7°20 | 20°44 | 19°19 | 6°28 | 2°15 | W 7 |
| T 8 | 19 5 20 | 16°45'18 | 5♑ 9 | 24°32 | 14°35 | 17°18 | 14°26 | 7° 1 | 5°59 | 19°17 | 7°21 | 20°38 | 19°16 | 6°35 | 2°17 | T 8 |
| F 9 | 19 9 16 | 17°42'35 | 18°50 | 25°46 | 15°46 | 17°28 | 14°39 | 6°57 | 6° 3 | 19°15 | 7°21 | 20°31 | 19°13 | 6°42 | 2°18 | F 9 |
| S 10 | 19 13 13 | 18°39'51 | 2♒50 | 27° 3 | 16°57 | 17°38 | 14°53 | 6°53 | 6° 6 | 19°14 | 7°22 | 20°22 | 19°10 | 6°48 | 2°20 | S 10 |
| S 11 | 19 17 10 | 19°37'07 | 17° 3 | 28°25 | 18° 9 | 17°49 | 15° 7 | 6°49 | 6°10 | 19°13 | 7°23 | 20°12 | 19° 6 | 6°55 | 2°21 | S 11 |
| M12 | 19 21 6 | 20°34'22 | 1♓24 | 29°49 | 19°20 | 18° 1 | 15°21 | 6°45 | 6°13 | 19°11 | 7°24 | 20° 4 | 19° 3 | 7° 2 | 2°22 | M12 |
| T 13 | 19 25 3 | 21°31'38 | 15°48 | 1♋17 | 20°32 | 18°14 | 15°35 | 6°41 | 6°17 | 19°10 | 7°24 | 19°58 | 19° 0 | 7° 9 | 2°23 | T 13 |
| W14 | 19 28 59 | 22°28'53 | 0♈ 9 | 2°49 | 21°43 | 18°27 | 15°48 | 6°37 | 6°20 | 19° 9 | 7°25 | 19°54 | 18°57 | 7°15 | 2°24 | W14 |
| T 15 | 19 32 56 | 23°26'09 | 14°25 | 4°24 | 22°55 | 18°40 | 16° 2 | 6°32 | 6°24 | 19° 7 | 7°26 | 19°52 | 18°54 | 7°22 | 2°26 | T 15 |
| F 16 | 19 36 52 | 24°23'24 | 28°32 | 6° 2 | 24° 6 | 18°54 | 16°16 | 6°28 | 6°28 | 19° 6 | 7°27 | 19°D51 | 18°50 | 7°29 | 2°27 | F 16 |
| S 17 | 19 40 49 | 25°20'40 | 12♉31 | 7°43 | 25°18 | 19° 9 | 16°29 | 6°24 | 6°31 | 19° 5 | 7°28 | 19°R52 | 18°47 | 7°35 | 2°28 | S 17 |
| S 18 | 19 44 45 | 26°17'56 | 26°20 | 9°28 | 26°30 | 19°25 | 16°43 | 6°20 | 6°35 | 19° 4 | 7°29 | 19°52 | 18°44 | 7°42 | 2°29 | S 18 |
| M19 | 19 48 42 | 27°15'12 | 10♊ 0 | 11°16 | 27°42 | 19°41 | 16°57 | 6°15 | 6°38 | 19° 2 | 7°30 | 19°50 | 18°41 | 7°49 | 2°29 | M19 |
| T 20 | 19 52 39 | 28°12'29 | 23°29 | 13° 6 | 28°53 | 19°57 | 17°10 | 6°11 | 6°42 | 19° 1 | 7°31 | 19°46 | 18°38 | 7°55 | 2°30 | T 20 |
| W21 | 19 56 35 | 29° 9'45 | 6♋48 | 15° 0 | 0♋ 5 | 20°14 | 17°24 | 6° 6 | 6°46 | 19° 0 | 7°32 | 19°40 | 18°35 | 8° 2 | 2°31 | W21 |
| T 22 | 20 0 32 | 0♌ 7'02 | 19°55 | 16°56 | 1°17 | 20°32 | 17°38 | 6° 2 | 6°49 | 18°59 | 7°33 | 19°30 | 18°31 | 8° 9 | 2°32 | T 22 |
| F 23 | 20 4 28 | 1° 4'18 | 2♌50 | 18°55 | 2°29 | 20°50 | 17°51 | 5°58 | 6°53 | 18°58 | 7°34 | 19°19 | 18°28 | 8°15 | 2°33 | F 23 |
| S 24 | 20 8 25 | 2° 1'35 | 15°31 | 20°56 | 3°41 | 21° 9 | 18° 5 | 5°53 | 6°57 | 18°57 | 7°35 | 19° 7 | 18°25 | 8°22 | 2°33 | S 24 |
| S 25 | 20 12 21 | 2°58'52 | 27°58 | 22°59 | 4°53 | 21°28 | 18°18 | 5°49 | 7° 0 | 18°56 | 7°36 | 18°55 | 18°22 | 8°29 | 2°34 | S 25 |
| M26 | 20 16 18 | 3°56'08 | 10♍12 | 25° 3 | 6° 5 | 21°48 | 18°32 | 5°44 | 7° 4 | 18°55 | 7°38 | 18°44 | 18°19 | 8°35 | 2°34 | M26 |
| T 27 | 20 20 14 | 4°53'25 | 22°15 | 27° 9 | 7°17 | 22° 8 | 18°45 | 5°40 | 7° 8 | 18°54 | 7°39 | 18°35 | 18°15 | 8°42 | 2°35 | T 27 |
| W28 | 20 24 11 | 5°50'41 | 4♎ 9 | 29°17 | 8°29 | 22°29 | 18°59 | 5°35 | 7°11 | 18°53 | 7°40 | 18°29 | 18°12 | 8°49 | 2°35 | W28 |
| T 29 | 20 28 8 | 6°47'58 | 15°59 | 1♌25 | 9°41 | 22°50 | 19°12 | 5°31 | 7°15 | 18°52 | 7°41 | 18°25 | 18° 9 | 8°55 | 2°36 | T 29 |
| F 30 | 20 32 4 | 7°45'14 | 27°48 | 3°34 | 10°53 | 23°12 | 19°26 | 5°26 | 7°19 | 18°51 | 7°43 | 18°23 | 18° 6 | 9° 2 | 2°36 | F 30 |
| S 31 | 20 36 1 | 8♌42'31 | 9♏42 | 5♌43 | 12♋ 6 | 23♏34 | 19♋39 | 5♒22 | 7♌22 | 18♐50 | 7♎44 | 18°D23 | 18♏ 3 | 9♎ 9 | 2♉36 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n56 | 6s23 | 3s30 | 18n56 | 3s49 | 19n29 | 1s47 | 18s 9 | 1s32 | 22n34 | 0s 8 | 18s26 | 0s 8 | 19n19 | 0n33 | 21s22 | 1n32 | 11n30 | 15n39 | 17s51 | 17s33 | 5s34 | 12n18 | 0n11 |
| F 2 | 22 51 | 10 11 | 2 39 | 19 7 | 3 42 | 19 42 | 1 46 | 18 12 | 1 34 | 22 33 | 0 8 | 18 27 | 0 8 | 19 18 | 0 33 | 21 22 | 1 32 | 11 30 | 15 39 | 17 51 | 17 32 | 5 36 | 12 19 | 0 11 |
| S 3 | 22 47 | 13 36 | 1 41 | 19 19 | 3 35 | 19 55 | 1 44 | 18 15 | 1 35 | 22 32 | 0 7 | 18 28 | 0 8 | 19 17 | 0 33 | 21 22 | 1 32 | 11 29 | 15 38 | 17 52 | 17 31 | 5 38 | 12 19 | 0 10 |
| S 4 | 22 41 | 16 31 | 0 37 | 19 31 | 3 26 | 20 7 | 1 42 | 18 18 | 1 36 | 22 31 | 0 7 | 18 29 | 0 8 | 19 16 | 0 33 | 21 22 | 1 32 | 11 29 | 15 38 | 17 52 | 17 30 | 5 41 | 12 20 | 0 10 |
| M 5 | 22 36 | 18 44 | 0n29 | 19 44 | 3 17 | 20 19 | 1 41 | 18 21 | 1 38 | 22 29 | 0 7 | 18 30 | 0 8 | 19 15 | 0 33 | 21 22 | 1 32 | 11 28 | 15 37 | 17 52 | 17 30 | 5 43 | 12 20 | 0 10 |
| T 6 | 22 29 | 20 5 | 1 35 | 19 58 | 3 8 | 20 30 | 1 39 | 18 24 | 1 39 | 22 28 | 0 7 | 18 31 | 0 8 | 19 14 | 0 33 | 21 21 | 1 32 | 11 27 | 15 37 | 17 52 | 17 29 | 5 45 | 12 21 | 0 10 |
| W 7 | 22 23 | 20 26 | 2 38 | 20 11 | 2 58 | 20 41 | 1 37 | 18 28 | 1 40 | 22 27 | 0 7 | 18 32 | 0 8 | 19 14 | 0 33 | 21 21 | 1 32 | 11 27 | 15 36 | 17 51 | 17 28 | 5 47 | 12 21 | 0 10 |
| T 8 | 22 16 | 19 38 | 3 34 | 20 25 | 2 48 | 20 51 | 1 35 | 18 31 | 1 41 | 22 25 | 0 7 | 18 33 | 0 8 | 19 13 | 0 33 | 21 21 | 1 32 | 11 26 | 15 36 | 17 49 | 17 27 | 5 49 | 12 22 | 0 10 |
| F 9 | 22 9 | 17 42 | 4 20 | 20 38 | 2 37 | 21 1 | 1 33 | 18 35 | 1 42 | 22 24 | 0 7 | 18 34 | 0 8 | 19 12 | 0 33 | 21 21 | 1 32 | 11 25 | 15 36 | 17 47 | 17 26 | 5 51 | 12 22 | 0 10 |
| S 10 | 22 1 | 14 42 | 4 51 | 20 51 | 2 26 | 21 10 | 1 31 | 18 39 | 1 43 | 22 22 | 0 7 | 18 35 | 0 9 | 19 11 | 0 33 | 21 21 | 1 32 | 11 25 | 15 35 | 17 45 | 17 25 | 5 53 | 12 22 | 0 10 |
| S 11 | 21 53 | 10 48 | 5 4 | 21 4 | 2 14 | 21 19 | 1 28 | 18 43 | 1 44 | 22 21 | 0 7 | 18 37 | 0 9 | 19 10 | 0 33 | 21 21 | 1 32 | 11 24 | 15 35 | 17 42 | 17 24 | 5 55 | 12 23 | 0 10 |
| M12 | 21 45 | 6 16 | 4 59 | 21 16 | 2 2 | 21 27 | 1 26 | 18 47 | 1 45 | 22 20 | 0 7 | 18 38 | 0 9 | 19 9 | 0 33 | 21 21 | 1 32 | 11 23 | 15 34 | 17 40 | 17 24 | 5 57 | 12 23 | 0 10 |
| T 13 | 21 36 | 1 21 | 4 34 | 21 28 | 1 50 | 21 35 | 1 24 | 18 52 | 1 46 | 22 18 | 0 7 | 18 39 | 0 9 | 19 8 | 0 33 | 21 21 | 1 32 | 11 23 | 15 34 | 17 38 | 17 23 | 5 59 | 12 24 | 0 10 |
| W14 | 21 27 | 3n38 | 3 53 | 21 39 | 1 38 | 21 42 | 1 22 | 18 56 | 1 47 | 22 17 | 0 6 | 18 40 | 0 9 | 19 8 | 0 33 | 21 21 | 1 32 | 11 22 | 15 33 | 17 37 | 17 22 | 6 1 | 12 24 | 0 10 |
| T 15 | 21 17 | 8 23 | 2 57 | 21 49 | 1 26 | 21 48 | 1 19 | 19 1 | 1 48 | 22 15 | 0 6 | 18 41 | 0 9 | 19 7 | 0 33 | 21 21 | 1 32 | 11 21 | 15 33 | 17 37 | 17 21 | 6 3 | 12 24 | 0 10 |
| F 16 | 21 8 | 12 38 | 1 51 | 21 57 | 1 13 | 21 54 | 1 17 | 19 6 | 1 49 | 22 13 | 0 6 | 18 42 | 0 9 | 19 6 | 0 33 | 21 21 | 1 32 | 11 20 | 15 33 | 17 37 | 17 20 | 6 5 | 12 24 | 0 10 |
| S 17 | 20 57 | 16 8 | 0 39 | 22 5 | 1 1 | 21 59 | 1 15 | 19 11 | 1 50 | 22 12 | 0 6 | 18 43 | 0 9 | 19 5 | 0 33 | 21 21 | 1 32 | 11 20 | 15 32 | 17 37 | 17 19 | 6 7 | 12 25 | 0 10 |
| S 18 | 20 47 | 18 40 | 0s34 | 22 10 | 0 48 | 22 4 | 1 12 | 19 16 | 1 50 | 22 10 | 0 6 | 18 45 | 0 9 | 19 4 | 0 33 | 21 21 | 1 32 | 11 19 | 15 32 | 17 37 | 17 18 | 6 9 | 12 25 | 0 9 |
| M19 | 20 36 | 20 6 | 1 45 | 22 14 | 0 36 | 22 8 | 1 10 | 19 21 | 1 51 | 22 9 | 0 6 | 18 46 | 0 9 | 19 3 | 0 33 | 21 20 | 1 32 | 11 18 | 15 31 | 17 36 | 17 17 | 6 11 | 12 25 | 0 9 |
| T 20 | 20 25 | 20 21 | 2 49 | 22 17 | 0 24 | 22 11 | 1 7 | 19 26 | 1 52 | 22 7 | 0 6 | 18 47 | 0 9 | 19 2 | 0 33 | 21 20 | 1 32 | 11 17 | 15 31 | 17 35 | 17 17 | 6 13 | 12 26 | 0 9 |
| W21 | 20 13 | 19 26 | 3 42 | 22 17 | 0 12 | 22 14 | 1 5 | 19 31 | 1 53 | 22 5 | 0 6 | 18 48 | 0 10 | 19 1 | 0 33 | 21 20 | 1 32 | 11 17 | 15 30 | 17 33 | 17 16 | 6 15 | 12 26 | 0 9 |
| T 22 | 20 1 | 17 30 | 4 23 | 22 15 | 0 0 | 22 16 | 1 2 | 19 37 | 1 53 | 22 4 | 0 6 | 18 49 | 0 10 | 19 0 | 0 33 | 21 20 | 1 31 | 11 16 | 15 30 | 17 31 | 17 15 | 6 17 | 12 26 | 0 9 |
| F 23 | 19 49 | 14 43 | 4 49 | 22 10 | 0n11 | 22 18 | 1 0 | 19 42 | 1 54 | 22 2 | 0 6 | 18 50 | 0 10 | 18 59 | 0 33 | 21 20 | 1 31 | 11 15 | 15 30 | 17 28 | 17 14 | 6 19 | 12 26 | 0 9 |
| S 24 | 19 36 | 11 18 | 5 1 | 22 4 | 0 22 | 22 19 | 0 57 | 19 48 | 1 55 | 22 0 | 0 6 | 18 52 | 0 10 | 18 59 | 0 33 | 21 20 | 1 31 | 11 14 | 15 29 | 17 25 | 17 13 | 6 21 | 12 26 | 0 9 |
| S 25 | 19 23 | 7 27 | 4 58 | 21 54 | 0 33 | 22 19 | 0 54 | 19 54 | 1 56 | 21 59 | 0 5 | 18 53 | 0 10 | 18 58 | 0 33 | 21 20 | 1 31 | 11 13 | 15 29 | 17 21 | 17 12 | 6 23 | 12 26 | 0 9 |
| M26 | 19 10 | 3 22 | 4 41 | 21 43 | 0 43 | 22 19 | 0 52 | 19 59 | 1 56 | 21 57 | 0 5 | 18 54 | 0 10 | 18 57 | 0 33 | 21 20 | 1 31 | 11 13 | 15 29 | 17 18 | 17 11 | 6 25 | 12 27 | 0 9 |
| T 27 | 18 57 | 0s48 | 4 12 | 21 28 | 0 52 | 22 18 | 0 49 | 20 5 | 1 57 | 21 55 | 0 5 | 18 55 | 0 10 | 18 56 | 0 33 | 21 20 | 1 31 | 11 12 | 15 28 | 17 16 | 17 10 | 6 27 | 12 27 | 0 9 |
| W28 | 18 43 | 4 53 | 3 32 | 21 11 | 1 1 | 22 16 | 0 46 | 20 11 | 1 57 | 21 53 | 0 5 | 18 56 | 0 10 | 18 55 | 0 33 | 21 20 | 1 31 | 11 11 | 15 28 | 17 14 | 17 10 | 6 29 | 12 27 | 0 9 |
| T 29 | 18 29 | 8 46 | 2 43 | 20 51 | 1 9 | 22 14 | 0 44 | 20 17 | 1 58 | 21 52 | 0 5 | 18 57 | 0 10 | 18 54 | 0 33 | 21 20 | 1 31 | 11 10 | 15 27 | 17 13 | 17 9 | 6 31 | 12 27 | 0 9 |
| F 30 | 18 14 | 12 18 | 1 47 | 20 29 | 1 16 | 22 11 | 0 41 | 20 23 | 1 58 | 21 50 | 0 5 | 18 59 | 0 10 | 18 53 | 0 33 | 21 20 | 1 31 | 11 9 | 15 27 | 17 13 | 17 8 | 6 33 | 12 27 | 0 9 |
| S 31 | 17n59 | 15s22 | 0s46 | 20n 5 | 1n23 | 22n 8 | 0s38 | 20s29 | 1s59 | 21n48 | 0s 5 | 19s 0 | 0s10 | 18n52 | 0n33 | 21s20 | 1n31 | 11n 8 | 15n27 | 17s13 | 17s 7 | 6s35 | 12n27 | 0n 9 |

Julian Day Number = 2803089.5, Delta T = 50m53s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°12'47, Lahiri = 37°19'48


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# ASTRODIENST EPHEMERIS for the year 2962
# geocentric

## AUGUST 2962 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 39 57 | 9♌39'47 | 21♏47 | 7♌52 | 13♋18 | 23♏56 | 19♋52 | 5°R18 | 7♌26 | 18°R49 | 7♎45 | 18°R23 | 18♏ 0 | 9♎15 | 2♉36 | S 1 |
| M 2 | 20 43 54 | 10°37'04 | 4♐ 7 | 10° 0 | 14°30 | 24°19 | 20° 6 | 5♒13 | 7°30 | 18♐48 | 7°47 | 18♏22 | 17°56 | 9°22 | 2°37 | M 2 |
| T 3 | 20 47 50 | 11°34'21 | 16°48 | 12° 8 | 15°43 | 24°43 | 20°19 | 5° 9 | 7°33 | 18°47 | 7°48 | 18°20 | 17°53 | 9°29 | 2°37 | T 3 |
| W 4 | 20 51 47 | 12°31'38 | 29°53 | 14°16 | 16°55 | 25° 7 | 20°32 | 5° 4 | 7°37 | 18°46 | 7°49 | 18°15 | 17°50 | 9°35 | 2°37 | W 4 |
| T 5 | 20 55 43 | 13°28'55 | 13♑24 | 16°22 | 18° 7 | 25°31 | 20°45 | 5° 0 | 7°40 | 18°46 | 7°51 | 18° 8 | 17°47 | 9°42 | 2°R37 | T 5 |
| F 6 | 20 59 40 | 14°26'12 | 27°21 | 18°28 | 19°20 | 25°55 | 20°59 | 4°56 | 7°44 | 18°45 | 7°52 | 17°58 | 17°44 | 9°49 | 2°37 | F 6 |
| S 7 | 21 3 37 | 15°23'30 | 11♒41 | 20°32 | 20°32 | 26°21 | 21°12 | 4°51 | 7°48 | 18°44 | 7°54 | 17°47 | 17°41 | 9°55 | 2°37 | S 7 |
| S 8 | 21 7 33 | 16°20'49 | 26°18 | 22°34 | 21°45 | 26°46 | 21°25 | 4°47 | 7°51 | 18°44 | 7°55 | 17°36 | 17°37 | 10° 2 | 2°37 | S 8 |
| M 9 | 21 11 30 | 17°18'07 | 11♓ 5 | 24°36 | 22°57 | 27°12 | 21°38 | 4°43 | 7°55 | 18°43 | 7°57 | 17°26 | 17°34 | 10° 9 | 2°36 | M 9 |
| T 10 | 21 15 26 | 18°15'27 | 25°53 | 26°35 | 24°10 | 27°38 | 21°51 | 4°38 | 7°59 | 18°42 | 7°58 | 17°17 | 17°31 | 10°15 | 2°36 | T 10 |
| W11 | 21 19 23 | 19°12'47 | 10♈34 | 28°33 | 25°23 | 28° 5 | 22° 4 | 4°34 | 8° 2 | 18°42 | 8° 0 | 17°12 | 17°28 | 10°22 | 2°36 | W11 |
| T 12 | 21 23 19 | 20°10'08 | 25° 4 | 0♍30 | 26°35 | 28°31 | 22°17 | 4°30 | 8° 6 | 18°41 | 8° 2 | 17° 9 | 17°25 | 10°29 | 2°35 | T 12 |
| F 13 | 21 27 16 | 21° 7'31 | 9♉18 | 2°25 | 27°48 | 28°59 | 22°30 | 4°26 | 8° 9 | 18°40 | 8° 3 | 17° 8 | 17°21 | 10°35 | 2°35 | F 13 |
| S 14 | 21 31 12 | 22° 4'54 | 23°15 | 4°18 | 29° 1 | 29°26 | 22°42 | 4°22 | 8°13 | 18°40 | 8° 5 | 17° 8 | 17°18 | 10°42 | 2°35 | S 14 |
| S 15 | 21 35 9 | 23° 2'18 | 6♊56 | 6°10 | 0♌14 | 29°54 | 22°55 | 4°18 | 8°17 | 18°39 | 8° 7 | 17° 7 | 17°15 | 10°49 | 2°34 | S 15 |
| M16 | 21 39 6 | 23°59'44 | 20°22 | 8° 0 | 1°26 | 0♐23 | 23° 8 | 4°13 | 8°20 | 18°39 | 8° 8 | 17° 5 | 17°12 | 10°56 | 2°33 | M16 |
| T 17 | 21 43 2 | 24°57'10 | 3♋34 | 9°48 | 2°39 | 0°51 | 23°21 | 4° 9 | 8°24 | 18°39 | 8°10 | 17° 1 | 17° 9 | 11° 2 | 2°33 | T 17 |
| W18 | 21 46 59 | 25°54'38 | 16°32 | 11°35 | 3°52 | 1°20 | 23°33 | 4° 5 | 8°27 | 18°38 | 8°12 | 16°54 | 17° 6 | 11° 9 | 2°32 | W18 |
| T 19 | 21 50 55 | 26°52'06 | 29°20 | 13°20 | 5° 5 | 1°49 | 23°46 | 4° 2 | 8°31 | 18°38 | 8°14 | 16°44 | 17° 2 | 11°16 | 2°32 | T 19 |
| F 20 | 21 54 52 | 27°49'35 | 11♌56 | 15° 3 | 6°18 | 2°19 | 23°58 | 3°58 | 8°34 | 18°37 | 8°15 | 16°32 | 16°59 | 11°22 | 2°31 | F 20 |
| S 21 | 21 58 48 | 28°47'06 | 24°21 | 16°45 | 7°31 | 2°49 | 24°11 | 3°54 | 8°38 | 18°37 | 8°17 | 16°19 | 16°56 | 11°29 | 2°30 | S 21 |
| S 22 | 22 2 45 | 29°44'37 | 6♍36 | 18°25 | 8°44 | 3°19 | 24°23 | 3°50 | 8°41 | 18°37 | 8°19 | 16° 6 | 16°53 | 11°36 | 2°29 | S 22 |
| M23 | 22 6 41 | 0♍42'09 | 18°41 | 20° 4 | 9°58 | 3°50 | 24°35 | 3°46 | 8°45 | 18°37 | 8°21 | 15°54 | 16°50 | 11°42 | 2°28 | M23 |
| T 24 | 22 10 38 | 1°39'42 | 0♎38 | 21°41 | 11°11 | 4°21 | 24°48 | 3°43 | 8°48 | 18°36 | 8°23 | 15°45 | 16°47 | 11°49 | 2°27 | T 24 |
| W25 | 22 14 35 | 2°37'16 | 12°28 | 23°17 | 12°24 | 4°52 | 25° 0 | 3°39 | 8°52 | 18°36 | 8°24 | 15°37 | 16°43 | 11°56 | 2°26 | W25 |
| T 26 | 22 18 31 | 3°34'51 | 24°16 | 24°50 | 13°37 | 5°23 | 25°12 | 3°35 | 8°55 | 18°36 | 8°26 | 15°33 | 16°40 | 12° 2 | 2°25 | T 26 |
| F 27 | 22 22 28 | 4°32'27 | 6♏ 3 | 26°23 | 14°50 | 5°55 | 25°24 | 3°32 | 8°58 | 18°36 | 8°28 | 15°31 | 16°37 | 12° 9 | 2°24 | F 27 |
| S 28 | 22 26 24 | 5°30'03 | 17°56 | 27°53 | 16° 4 | 6°27 | 25°36 | 3°29 | 9° 2 | 18°36 | 8°30 | 15°D31 | 16°34 | 12°16 | 2°23 | S 28 |
| S 29 | 22 30 21 | 6°27'41 | 29°59 | 29°22 | 17°17 | 6°59 | 25°48 | 3°25 | 9° 5 | 18°36 | 8°32 | 15°31 | 16°31 | 12°22 | 2°22 | S 29 |
| M30 | 22 34 17 | 7°25'19 | 12♐17 | 0♎50 | 18°30 | 7°31 | 26° 0 | 3°22 | 9° 8 | 18°D36 | 8°34 | 15°R31 | 16°27 | 12°29 | 2°20 | M30 |
| T 31 | 22 38 14 | 8♍22'59 | 24♐56 | 2♎16 | 19♌44 | 8♐ 4 | 26♋12 | 3♒19 | 9♌12 | 18♐36 | 8♎36 | 15♏30 | 16♏24 | 12♎36 | 2♉19 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n44 | 17s49 | 0n18 | 19n38 | 1n28 | 22n 4 | 0s35 | 20s35 | 2s 0 | 21n46 | 0s 5 | 19s 1 | 0s11 | 18n51 | 0n33 | 21s20 | 1n31 | 11n 8 | 15n26 | 17s13 | 17s 6 | 6s37 | 12n27 | 0n 9 |
| M 2 | 17 29 | 19 30 | 1 22 | 19 9 | 1 33 | 21 59 | 0 33 | 20 41 | 2 0 | 21 44 | 0 5 | 19 2 | 0 11 | 18 50 | 0 33 | 21 20 | 1 31 | 11 7 | 15 26 | 17 12 | 17 5 | 6 39 | 12 27 | 0 8 |
| T 3 | 17 13 | 20 16 | 2 24 | 18 37 | 1 37 | 21 54 | 0 30 | 20 48 | 2 0 | 21 43 | 0 5 | 19 3 | 0 11 | 18 49 | 0 33 | 21 20 | 1 31 | 11 6 | 15 26 | 17 12 | 17 4 | 6 41 | 12 27 | 0 8 |
| W 4 | 16 57 | 19 58 | 3 21 | 18 4 | 1 41 | 21 48 | 0 27 | 20 54 | 2 1 | 21 41 | 0 5 | 19 4 | 0 11 | 18 48 | 0 33 | 21 20 | 1 31 | 11 5 | 15 25 | 17 10 | 17 3 | 6 43 | 12 27 | 0 8 |
| T 5 | 16 41 | 18 32 | 4 8 | 17 29 | 1 43 | 21 41 | 0 24 | 21 0 | 2 1 | 21 39 | 0 4 | 19 5 | 0 11 | 18 47 | 0 33 | 21 20 | 1 31 | 11 4 | 15 25 | 17 8 | 17 3 | 6 45 | 12 27 | 0 8 |
| F 6 | 16 25 | 15 58 | 4 42 | 16 53 | 1 45 | 21 34 | 0 22 | 21 6 | 2 2 | 21 37 | 0 4 | 19 7 | 0 11 | 18 47 | 0 33 | 21 20 | 1 31 | 11 3 | 15 24 | 17 6 | 17 2 | 6 47 | 12 27 | 0 8 |
| S 7 | 16 8 | 12 24 | 4 59 | 16 15 | 1 46 | 21 26 | 0 19 | 21 13 | 2 2 | 21 35 | 0 4 | 19 8 | 0 11 | 18 46 | 0 33 | 21 20 | 1 31 | 11 2 | 15 24 | 17 3 | 17 1 | 6 49 | 12 27 | 0 8 |
| S 8 | 15 51 | 8 1 | 4 57 | 15 36 | 1 46 | 21 18 | 0 16 | 21 19 | 2 3 | 21 33 | 0 4 | 19 9 | 0 11 | 18 45 | 0 33 | 21 20 | 1 31 | 11 1 | 15 24 | 17 0 | 17 0 | 6 51 | 12 26 | 0 8 |
| M 9 | 15 34 | 3 7 | 4 36 | 14 55 | 1 46 | 21 9 | 0 13 | 21 25 | 2 3 | 21 31 | 0 4 | 19 10 | 0 11 | 18 44 | 0 33 | 21 20 | 1 31 | 11 1 | 15 23 | 16 57 | 16 59 | 6 53 | 12 26 | 0 8 |
| T 10 | 15 17 | 1n59 | 3 56 | 14 14 | 1 45 | 20 59 | 0 11 | 21 32 | 2 3 | 21 29 | 0 4 | 19 11 | 0 11 | 18 43 | 0 33 | 21 20 | 1 31 | 11 0 | 15 23 | 16 54 | 16 58 | 6 55 | 12 26 | 0 8 |
| W11 | 14 59 | 6 56 | 3 0 | 13 32 | 1 43 | 20 49 | 0 8 | 21 38 | 2 4 | 21 27 | 0 4 | 19 12 | 0 11 | 18 42 | 0 33 | 21 20 | 1 31 | 10 59 | 15 23 | 16 53 | 16 57 | 6 57 | 12 26 | 0 8 |
| T 12 | 14 41 | 11 25 | 1 54 | 12 49 | 1 41 | 20 38 | 0 5 | 21 44 | 2 4 | 21 25 | 0 4 | 19 13 | 0 11 | 18 41 | 0 33 | 21 20 | 1 31 | 10 58 | 15 23 | 16 52 | 16 56 | 6 59 | 12 26 | 0 8 |
| F 13 | 14 23 | 15 10 | 0 41 | 12 5 | 1 38 | 20 27 | 0 2 | 21 51 | 2 4 | 21 23 | 0 4 | 19 14 | 0 12 | 18 40 | 0 33 | 21 20 | 1 30 | 10 57 | 15 22 | 16 52 | 16 55 | 7 1 | 12 26 | 0 8 |
| S 14 | 14 5 | 17 58 | 0s32 | 11 21 | 1 35 | 20 15 | 0n 0 | 21 57 | 2 5 | 21 21 | 0 4 | 19 15 | 0 12 | 18 39 | 0 33 | 21 20 | 1 30 | 10 56 | 15 22 | 16 52 | 16 55 | 7 3 | 12 25 | 0 8 |
| S 15 | 13 46 | 19 40 | 1 43 | 10 37 | 1 31 | 20 3 | 0 3 | 22 3 | 2 5 | 21 19 | 0 4 | 19 16 | 0 12 | 18 38 | 0 33 | 21 20 | 1 30 | 10 55 | 15 22 | 16 51 | 16 54 | 7 5 | 12 25 | 0 8 |
| M16 | 13 27 | 20 12 | 2 46 | 9 52 | 1 27 | 19 49 | 0 6 | 22 10 | 2 5 | 21 17 | 0 3 | 19 17 | 0 12 | 18 37 | 0 33 | 21 20 | 1 30 | 10 54 | 15 21 | 16 51 | 16 53 | 7 7 | 12 25 | 0 8 |
| T 17 | 13 8 | 19 37 | 3 39 | 9 7 | 1 22 | 19 36 | 0 8 | 22 16 | 2 5 | 21 15 | 0 3 | 19 18 | 0 12 | 18 37 | 0 33 | 21 20 | 1 30 | 10 53 | 15 21 | 16 50 | 16 52 | 7 8 | 12 25 | 0 7 |
| W18 | 12 49 | 17 59 | 4 20 | 8 22 | 1 17 | 19 22 | 0 11 | 22 22 | 2 6 | 21 13 | 0 3 | 19 19 | 0 12 | 18 36 | 0 33 | 21 20 | 1 30 | 10 52 | 15 21 | 16 48 | 16 51 | 7 10 | 12 24 | 0 7 |
| T 19 | 12 30 | 15 30 | 4 47 | 7 37 | 1 11 | 19 7 | 0 13 | 22 28 | 2 6 | 21 11 | 0 3 | 19 20 | 0 12 | 18 35 | 0 33 | 21 20 | 1 30 | 10 51 | 15 21 | 16 45 | 16 50 | 7 12 | 12 24 | 0 7 |
| F 20 | 12 10 | 12 19 | 5 0 | 6 51 | 1 5 | 18 51 | 0 16 | 22 34 | 2 6 | 21 9 | 0 3 | 19 21 | 0 12 | 18 34 | 0 34 | 21 20 | 1 30 | 10 51 | 15 20 | 16 42 | 16 49 | 7 14 | 12 24 | 0 7 |
| S 21 | 11 50 | 8 39 | 4 58 | 6 6 | 0 59 | 18 36 | 0 19 | 22 41 | 2 6 | 21 7 | 0 3 | 19 22 | 0 12 | 18 33 | 0 34 | 21 20 | 1 30 | 10 50 | 15 20 | 16 38 | 16 48 | 7 16 | 12 23 | 0 7 |
| S 22 | 11 30 | 4 40 | 4 42 | 5 21 | 0 52 | 18 19 | 0 21 | 22 47 | 2 6 | 21 5 | 0 3 | 19 23 | 0 12 | 18 32 | 0 34 | 21 20 | 1 30 | 10 49 | 15 20 | 16 34 | 16 47 | 7 18 | 12 23 | 0 7 |
| M23 | 11 10 | 0 34 | 4 14 | 4 36 | 0 45 | 18 2 | 0 24 | 22 53 | 2 7 | 21 3 | 0 3 | 19 24 | 0 12 | 18 31 | 0 34 | 21 20 | 1 30 | 10 48 | 15 19 | 16 31 | 16 47 | 7 20 | 12 23 | 0 7 |
| T 24 | 10 50 | 3s32 | 3 34 | 3 51 | 0 38 | 17 45 | 0 26 | 22 59 | 2 7 | 21 1 | 0 3 | 19 25 | 0 12 | 18 30 | 0 34 | 21 20 | 1 30 | 10 47 | 15 19 | 16 28 | 16 46 | 7 22 | 12 22 | 0 7 |
| W25 | 10 29 | 7 27 | 2 46 | 3 7 | 0 30 | 17 27 | 0 29 | 23 4 | 2 7 | 20 59 | 0 3 | 19 26 | 0 12 | 18 29 | 0 34 | 21 20 | 1 30 | 10 46 | 15 19 | 16 26 | 16 45 | 7 24 | 12 22 | 0 7 |
| T 26 | 10 8 | 11 4 | 1 51 | 2 23 | 0 22 | 17 9 | 0 31 | 23 10 | 2 7 | 20 56 | 0 3 | 19 27 | 0 13 | 18 28 | 0 34 | 21 20 | 1 30 | 10 45 | 15 19 | 16 25 | 16 44 | 7 26 | 12 21 | 0 7 |
| F 27 | 9 48 | 14 16 | 0 50 | 1 39 | 0 14 | 16 50 | 0 33 | 23 16 | 2 7 | 20 54 | 0 2 | 19 28 | 0 13 | 18 28 | 0 34 | 21 20 | 1 30 | 10 44 | 15 19 | 16 24 | 16 43 | 7 28 | 12 21 | 0 7 |
| S 28 | 9 27 | 16 53 | 0n13 | 0 55 | 0 6 | 16 30 | 0 36 | 23 22 | 2 7 | 20 52 | 0 2 | 19 29 | 0 13 | 18 27 | 0 34 | 21 20 | 1 30 | 10 43 | 15 18 | 16 24 | 16 42 | 7 30 | 12 20 | 0 7 |
| S 29 | 9 6 | 18 48 | 1 16 | 0 12 | 0s 3 | 16 11 | 0 38 | 23 27 | 2 7 | 20 50 | 0 2 | 19 30 | 0 13 | 18 26 | 0 34 | 21 20 | 1 30 | 10 42 | 15 18 | 16 24 | 16 41 | 7 32 | 12 20 | 0 7 |
| M30 | 8 44 | 19 52 | 2 18 | 0s30 | 0 11 | 15 50 | 0 40 | 23 33 | 2 7 | 20 48 | 0 2 | 19 31 | 0 13 | 18 25 | 0 34 | 21 20 | 1 30 | 10 41 | 15 18 | 16 24 | 16 40 | 7 34 | 12 19 | 0 7 |
| T 31 | 8n23 | 19s59 | 3n14 | 1s12 | 0s20 | 15n30 | 0n43 | 23s38 | 2s 7 | 20n46 | 0s 2 | 19s31 | 0s13 | 18n24 | 0n34 | 21s20 | 1n30 | 10n40 | 15n18 | 16s24 | 16s39 | 7s36 | 12n19 | 0n 6 |

Julian Day Number = 2803120.5, Delta T = 50m53s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°12'52, Lahiri = 37°19'52


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# ASTRODIENST EPHEMERIS for the year 2962
# geocentric

## SEPTEMBER 2962 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 22 42 10 | 9♍20'39 | 8♉ 0 | 3♎40 | 20♌57 | 8♐37 | 26♋24 | 3°R15 | 9♌15 | 18♐36 | 8♎38 | 15°R27 | 16♏21 | 12♎42 | 2°R18 | W 1 |
| T 2 | 22 46 7 | 10°18'20 | 21°32 | 5° 2 | 22°11 | 9°10 | 26°35 | 3♒12 | 9°18 | 18°36 | 8°40 | 15♏21 | 16°18 | 12°49 | 2♉16 | T 2 |
| F 3 | 22 50 4 | 11°16'02 | 5♒33 | 6°23 | 23°24 | 9°44 | 26°47 | 3° 9 | 9°22 | 18°36 | 8°42 | 15°13 | 16°15 | 12°56 | 2°15 | F 3 |
| S 4 | 22 54 0 | 12°13'46 | 20° 1 | 7°42 | 24°38 | 10°17 | 26°58 | 3° 6 | 9°25 | 18°36 | 8°44 | 15° 4 | 16°12 | 13° 2 | 2°13 | S 4 |
| S 5 | 22 57 57 | 13°11'30 | 4♓51 | 8°59 | 25°51 | 10°51 | 27°10 | 3° 4 | 9°28 | 18°36 | 8°46 | 14°55 | 16° 8 | 13° 9 | 2°12 | S 5 |
| M 6 | 23 1 53 | 14° 9'16 | 19°55 | 10°15 | 27° 5 | 11°26 | 27°21 | 3° 1 | 9°31 | 18°37 | 8°48 | 14°46 | 16° 5 | 13°16 | 2°10 | M 6 |
| T 7 | 23 5 50 | 15° 7'03 | 5♈ 3 | 11°28 | 28°19 | 12° 0 | 27°32 | 2°58 | 9°34 | 18°37 | 8°50 | 14°39 | 16° 2 | 13°22 | 2° 9 | T 7 |
| W 8 | 23 9 46 | 16° 4'51 | 20° 5 | 12°39 | 29°32 | 12°35 | 27°43 | 2°55 | 9°37 | 18°37 | 8°52 | 14°35 | 15°59 | 13°29 | 2° 7 | W 8 |
| T 9 | 23 13 43 | 17° 2'41 | 4♉53 | 13°49 | 0♍46 | 13° 9 | 27°55 | 2°53 | 9°40 | 18°37 | 8°54 | 14°33 | 15°56 | 13°36 | 2° 5 | T 9 |
| F 10 | 23 17 39 | 18° 0'33 | 19°21 | 14°56 | 2° 0 | 13°45 | 28° 6 | 2°50 | 9°44 | 18°38 | 8°56 | 14°D32 | 15°52 | 13°42 | 2° 3 | F 10 |
| S 11 | 23 21 36 | 18°58'26 | 3♊28 | 16° 1 | 3°14 | 14°20 | 28°17 | 2°48 | 9°47 | 18°38 | 8°59 | 14°33 | 15°49 | 13°49 | 2° 2 | S 11 |
| S 12 | 23 25 32 | 19°56'22 | 17°11 | 17° 4 | 4°28 | 14°55 | 28°27 | 2°46 | 9°50 | 18°38 | 9° 1 | 14°R34 | 15°46 | 13°56 | 2° 0 | S 12 |
| M13 | 23 29 29 | 20°54'19 | 0♋33 | 18° 4 | 5°42 | 15°31 | 28°38 | 2°43 | 9°53 | 18°39 | 9° 3 | 14°33 | 15°43 | 14° 2 | 1°58 | M13 |
| T 14 | 23 33 26 | 21°52'18 | 13°36 | 19° 2 | 6°55 | 16° 7 | 28°49 | 2°41 | 9°56 | 18°39 | 9° 5 | 14°31 | 15°40 | 14° 9 | 1°56 | T 14 |
| W15 | 23 37 22 | 22°50'18 | 26°23 | 19°57 | 8° 9 | 16°43 | 28°59 | 2°39 | 9°58 | 18°40 | 9° 7 | 14°27 | 15°37 | 14°16 | 1°54 | W15 |
| T 16 | 23 41 19 | 23°48'21 | 8♌56 | 20°49 | 9°23 | 17°19 | 29°10 | 2°37 | 10° 1 | 18°40 | 9° 9 | 14°20 | 15°33 | 14°22 | 1°52 | T 16 |
| F 17 | 23 45 15 | 24°46'25 | 21°17 | 21°37 | 10°37 | 17°56 | 29°20 | 2°35 | 10° 4 | 18°41 | 9°11 | 14°12 | 15°30 | 14°29 | 1°50 | F 17 |
| S 18 | 23 49 12 | 25°44'31 | 3♍29 | 22°23 | 11°51 | 18°32 | 29°30 | 2°34 | 10° 7 | 18°41 | 9°14 | 14° 3 | 15°27 | 14°36 | 1°48 | S 18 |
| S 19 | 23 53 8 | 26°42'38 | 15°32 | 23° 5 | 13° 6 | 19° 9 | 29°41 | 2°32 | 10°10 | 18°42 | 9°16 | 13°54 | 15°24 | 14°42 | 1°46 | S 19 |
| M20 | 23 57 5 | 27°40'47 | 27°28 | 23°43 | 14°20 | 19°46 | 29°51 | 2°30 | 10°13 | 18°43 | 9°18 | 13°46 | 15°21 | 14°49 | 1°44 | M20 |
| T 21 | 0 1 1 | 28°38'58 | 9♎20 | 24°17 | 15°34 | 20°24 | 0♌ 1 | 2°29 | 10°15 | 18°43 | 9°20 | 13°39 | 15°18 | 14°56 | 1°42 | T 21 |
| W22 | 0 4 58 | 29°37'11 | 21° 8 | 24°47 | 16°48 | 21° 1 | 0°11 | 2°27 | 10°18 | 18°44 | 9°22 | 13°35 | 15°14 | 15° 2 | 1°39 | W22 |
| T 23 | 0 8 55 | 0♎35'25 | 2♏55 | 25°12 | 18° 2 | 21°39 | 0°20 | 2°26 | 10°21 | 18°45 | 9°25 | 13°32 | 15°11 | 15° 9 | 1°37 | T 23 |
| F 24 | 0 12 51 | 1°33'40 | 14°43 | 25°32 | 19°16 | 22°17 | 0°30 | 2°25 | 10°23 | 18°46 | 9°27 | 13°D31 | 15° 8 | 15°16 | 1°35 | F 24 |
| S 25 | 0 16 48 | 2°31'58 | 26°38 | 25°47 | 20°31 | 22°55 | 0°39 | 2°23 | 10°26 | 18°47 | 9°29 | 13°32 | 15° 5 | 15°22 | 1°33 | S 25 |
| S 26 | 0 20 44 | 3°30'16 | 8♐41 | 25°57 | 21°45 | 23°33 | 0°49 | 2°22 | 10°28 | 18°47 | 9°31 | 13°34 | 15° 2 | 15°29 | 1°30 | S 26 |
| M27 | 0 24 41 | 4°28'37 | 20°59 | 26°R 0 | 22°59 | 24°11 | 0°58 | 2°21 | 10°31 | 18°48 | 9°33 | 13°35 | 14°58 | 15°36 | 1°28 | M27 |
| T 28 | 0 28 37 | 5°26'58 | 3♑35 | 25°58 | 24°14 | 24°50 | 1° 7 | 2°21 | 10°33 | 18°49 | 9°36 | 13°R36 | 14°55 | 15°42 | 1°26 | T 28 |
| W29 | 0 32 34 | 6°25'22 | 16°35 | 25°49 | 25°28 | 25°28 | 1°16 | 2°20 | 10°36 | 18°50 | 9°38 | 13°35 | 14°52 | 15°49 | 1°23 | W29 |
| T 30 | 0 36 30 | 7♎23'46 | 0♒ 1 | 25♎33 | 26♍42 | 26♐ 7 | 1♌25 | 2♒19 | 10♌38 | 18♐51 | 9♎40 | 13♏33 | 14♏49 | 15♎56 | 1♉21 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 8n 1 | 19s 3 | 4n 2 | 1s54 | 0s29 | 15n 9 | 0n45 | 23s43 | 2s 7 | 20n44 | 0s 2 | 19s32 | 0s13 | 18n23 | 0n34 | 21s20 | 1n29 | 10n39 | 15n18 | 16s23 | 16s38 | 7s37 | 12n18 | 0n 6 |
| T 2 | 7 40 | 17 1 | 4 39 | 2 35 | 0 38 | 14 47 | 0 47 | 23 49 | 2 8 | 20 42 | 0 2 | 19 33 | 0 13 | 18 22 | 0 34 | 21 20 | 1 29 | 10 38 | 15 17 | 16 21 | 16 38 | 7 39 | 12 18 | 0 6 |
| F 3 | 7 18 | 13 56 | 5 0 | 3 15 | 0 47 | 14 25 | 0 49 | 23 54 | 2 8 | 20 40 | 0 2 | 19 34 | 0 13 | 18 22 | 0 34 | 21 21 | 1 29 | 10 37 | 15 17 | 16 19 | 16 37 | 7 41 | 12 17 | 0 6 |
| S 4 | 6 56 | 9 56 | 5 3 | 3 55 | 0 57 | 14 3 | 0 51 | 23 59 | 2 8 | 20 38 | 0 2 | 19 34 | 0 13 | 18 21 | 0 34 | 21 21 | 1 29 | 10 37 | 15 17 | 16 16 | 16 36 | 7 43 | 12 17 | 0 6 |
| S 5 | 6 34 | 5 14 | 4 46 | 4 33 | 1 6 | 13 40 | 0 53 | 24 4 | 2 8 | 20 35 | 0 2 | 19 35 | 0 13 | 18 20 | 0 34 | 21 21 | 1 29 | 10 36 | 15 17 | 16 14 | 16 35 | 7 45 | 12 16 | 0 6 |
| M 6 | 6 12 | 0 9 | 4 9 | 5 12 | 1 16 | 13 17 | 0 55 | 24 8 | 2 8 | 20 33 | 0 1 | 19 36 | 0 13 | 18 19 | 0 34 | 21 21 | 1 29 | 10 35 | 15 17 | 16 11 | 16 34 | 7 47 | 12 16 | 0 6 |
| T 7 | 5 50 | 4n59 | 3 15 | 5 49 | 1 25 | 12 53 | 0 57 | 24 13 | 2 8 | 20 31 | 0 1 | 19 37 | 0 13 | 18 18 | 0 34 | 21 21 | 1 29 | 10 34 | 15 17 | 16 9 | 16 33 | 7 49 | 12 15 | 0 6 |
| W 8 | 5 28 | 9 46 | 2 7 | 6 26 | 1 35 | 12 29 | 0 59 | 24 18 | 2 7 | 20 29 | 0 1 | 19 37 | 0 13 | 18 18 | 0 34 | 21 21 | 1 29 | 10 33 | 15 16 | 16 8 | 16 32 | 7 51 | 12 14 | 0 6 |
| T 9 | 5 5 | 13 54 | 0 52 | 7 1 | 1 44 | 12 5 | 1 0 | 24 22 | 2 7 | 20 27 | 0 1 | 19 38 | 0 14 | 18 17 | 0 34 | 21 21 | 1 29 | 10 32 | 15 16 | 16 7 | 16 31 | 7 53 | 12 14 | 0 6 |
| F 10 | 4 43 | 17 4 | 0s26 | 7 36 | 1 53 | 11 41 | 1 2 | 24 26 | 2 7 | 20 25 | 0 1 | 19 38 | 0 14 | 18 16 | 0 34 | 21 21 | 1 29 | 10 31 | 15 16 | 16 7 | 16 30 | 7 55 | 12 13 | 0 6 |
| S 11 | 4 20 | 19 6 | 1 40 | 8 10 | 2 3 | 11 16 | 1 4 | 24 30 | 2 7 | 20 23 | 0 1 | 19 39 | 0 14 | 18 15 | 0 34 | 21 21 | 1 29 | 10 30 | 15 16 | 16 7 | 16 29 | 7 57 | 12 12 | 0 6 |
| S 12 | 3 58 | 19 57 | 2 46 | 8 42 | 2 12 | 10 51 | 1 6 | 24 34 | 2 7 | 20 21 | 0 1 | 19 40 | 0 14 | 18 14 | 0 34 | 21 21 | 1 29 | 10 29 | 15 16 | 16 7 | 16 28 | 7 58 | 12 12 | 0 6 |
| M13 | 3 35 | 19 37 | 3 41 | 9 14 | 2 22 | 10 25 | 1 7 | 24 38 | 2 7 | 20 19 | 0 1 | 19 40 | 0 14 | 18 14 | 0 34 | 21 21 | 1 29 | 10 28 | 15 16 | 16 7 | 16 27 | 8 0 | 12 11 | 0 6 |
| T 14 | 3 12 | 18 15 | 4 24 | 9 44 | 2 31 | 9 59 | 1 9 | 24 42 | 2 7 | 20 17 | 0 1 | 19 41 | 0 14 | 18 13 | 0 34 | 21 21 | 1 29 | 10 27 | 15 16 | 16 7 | 16 27 | 8 2 | 12 10 | 0 5 |
| W15 | 2 50 | 15 59 | 4 52 | 10 13 | 2 40 | 9 33 | 1 10 | 24 46 | 2 7 | 20 15 | 0 1 | 19 41 | 0 14 | 18 12 | 0 34 | 21 22 | 1 29 | 10 26 | 15 16 | 16 5 | 16 26 | 8 4 | 12 9 | 0 5 |
| T 16 | 2 27 | 13 0 | 5 6 | 10 41 | 2 49 | 9 7 | 1 12 | 24 49 | 2 7 | 20 13 | 0 1 | 19 42 | 0 14 | 18 11 | 0 34 | 21 22 | 1 29 | 10 25 | 15 16 | 16 3 | 16 25 | 8 6 | 12 9 | 0 5 |
| F 17 | 2 4 | 9 31 | 5 5 | 11 8 | 2 57 | 8 40 | 1 13 | 24 52 | 2 7 | 20 10 | 0 0 | 19 42 | 0 14 | 18 11 | 0 34 | 21 22 | 1 29 | 10 25 | 15 15 | 16 1 | 16 24 | 8 8 | 12 8 | 0 5 |
| S 18 | 1 41 | 5 40 | 4 50 | 11 32 | 3 6 | 8 13 | 1 14 | 24 55 | 2 7 | 20 8 | 0 0 | 19 43 | 0 14 | 18 10 | 0 34 | 21 22 | 1 29 | 10 24 | 15 15 | 15 58 | 16 23 | 8 10 | 12 7 | 0 5 |
| S 19 | 1 18 | 1 39 | 4 22 | 11 56 | 3 14 | 7 46 | 1 15 | 24 58 | 2 6 | 20 6 | 0 0 | 19 43 | 0 14 | 18 9 | 0 34 | 21 22 | 1 29 | 10 23 | 15 15 | 15 56 | 16 22 | 8 12 | 12 6 | 0 5 |
| M20 | 0 55 | 2s25 | 3 43 | 12 17 | 3 22 | 7 19 | 1 17 | 25 1 | 2 6 | 20 4 | 0 0 | 19 44 | 0 14 | 18 8 | 0 34 | 21 22 | 1 28 | 10 22 | 15 15 | 15 53 | 16 21 | 8 13 | 12 5 | 0 5 |
| T 21 | 0 32 | 6 21 | 2 54 | 12 36 | 3 29 | 6 51 | 1 18 | 25 4 | 2 6 | 20 2 | 0 0 | 19 44 | 0 14 | 18 8 | 0 34 | 21 22 | 1 28 | 10 21 | 15 15 | 15 51 | 16 20 | 8 15 | 12 5 | 0 5 |
| W22 | 0 9 | 10 2 | 1 59 | 12 54 | 3 36 | 6 24 | 1 19 | 25 6 | 2 6 | 20 0 | 0n 0 | 19 44 | 0 14 | 18 7 | 0 34 | 21 22 | 1 28 | 10 20 | 15 15 | 15 50 | 16 19 | 8 17 | 12 4 | 0 5 |
| T 23 | 0s14 | 13 19 | 0 57 | 13 9 | 3 42 | 5 56 | 1 20 | 25 9 | 2 6 | 19 58 | 0 0 | 19 45 | 0 14 | 18 6 | 0 34 | 21 22 | 1 28 | 10 19 | 15 15 | 15 49 | 16 18 | 8 19 | 12 3 | 0 5 |
| F 24 | 0 37 | 16 4 | 0n 7 | 13 22 | 3 48 | 5 28 | 1 21 | 25 11 | 2 6 | 19 57 | 0 0 | 19 45 | 0 14 | 18 6 | 0 34 | 21 22 | 1 28 | 10 18 | 15 15 | 15 49 | 16 17 | 8 21 | 12 2 | 0 5 |
| S 25 | 1 0 | 18 9 | 1 11 | 13 32 | 3 53 | 4 59 | 1 21 | 25 13 | 2 5 | 19 55 | 0 0 | 19 45 | 0 15 | 18 5 | 0 34 | 21 23 | 1 28 | 10 18 | 15 15 | 15 49 | 16 16 | 8 23 | 12 1 | 0 5 |
| S 26 | 1 23 | 19 27 | 2 13 | 13 40 | 3 58 | 4 31 | 1 22 | 25 14 | 2 5 | 19 53 | 0 1 | 19 46 | 0 15 | 18 4 | 0 34 | 21 23 | 1 28 | 10 17 | 15 15 | 15 50 | 16 16 | 8 25 | 12 0 | 0 5 |
| M27 | 1 46 | 19 51 | 3 10 | 13 44 | 4 1 | 4 2 | 1 23 | 25 16 | 2 5 | 19 51 | 0 1 | 19 46 | 0 15 | 18 4 | 0 34 | 21 23 | 1 28 | 10 16 | 15 15 | 15 50 | 16 15 | 8 26 | 12 0 | 0 4 |
| T 28 | 2 9 | 19 16 | 3 59 | 13 46 | 4 4 | 3 34 | 1 24 | 25 17 | 2 5 | 19 49 | 0 1 | 19 46 | 0 15 | 18 3 | 0 34 | 21 23 | 1 28 | 10 15 | 15 15 | 15 50 | 16 14 | 8 28 | 11 59 | 0 4 |
| W29 | 2 32 | 17 41 | 4 38 | 13 44 | 4 5 | 3 5 | 1 24 | 25 18 | 2 4 | 19 47 | 0 1 | 19 47 | 0 15 | 18 2 | 0 34 | 21 23 | 1 28 | 10 14 | 15 15 | 15 50 | 16 13 | 8 30 | 11 58 | 0 4 |
| T 30 | 2s55 | 15s 6 | 5n 4 | 13s38 | 4s 5 | 2n36 | 1n25 | 25s19 | 2s 4 | 19n45 | 0n 1 | 19s47 | 0s15 | 18n 2 | 0n35 | 21s23 | 1n28 | 10n13 | 15n15 | 15s49 | 16s12 | 8s32 | 11n57 | 0n 4 |

Julian Day Number = 2803151.5, Delta T = 50m54s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°12'56, Lahiri = 37°19'56


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# ASTRODIENST EPHEMERIS for the year 2962
# geocentric

## OCTOBER 2962 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 0 40 27 | 8♎22'13 | 13♒55 | 25°R10 | 27♍57 | 26♐46 | 1♌34 | 2°R19 | 10♌40 | 18♐52 | 9♎42 | 13°R30 | 14♏46 | 16♎ 2 | 1°R18 | F 1 |
| S 2 | 0 44 24 | 9°20'40 | 28°18 | 24♎41 | 29°11 | 27°25 | 1°43 | 2♒18 | 10°43 | 18°53 | 9°45 | 13♏25 | 14°43 | 16° 9 | 1♉16 | S 2 |
| S 3 | 0 48 20 | 10°19'10 | 13♓ 6 | 24° 5 | 0♎26 | 28° 5 | 1°52 | 2°18 | 10°45 | 18°54 | 9°47 | 13°21 | 14°39 | 16°15 | 1°13 | S 3 |
| M 4 | 0 52 17 | 11°17'41 | 28°11 | 23°22 | 1°40 | 28°44 | 2° 0 | 2°18 | 10°47 | 18°55 | 9°49 | 13°16 | 14°36 | 16°22 | 1°11 | M 4 |
| T 5 | 0 56 13 | 12°16'13 | 13♈26 | 22°33 | 2°55 | 29°24 | 2° 8 | 2°17 | 10°49 | 18°56 | 9°51 | 13°12 | 14°33 | 16°29 | 1° 8 | T 5 |
| W 6 | 1 0 10 | 13°14'48 | 28°40 | 21°38 | 4° 9 | 0♉ 4 | 2°17 | 2°D17 | 10°52 | 18°57 | 9°53 | 13°10 | 14°30 | 16°35 | 1° 6 | W 6 |
| T 7 | 1 4 6 | 14°13'25 | 13♉42 | 20°39 | 5°24 | 0°43 | 2°25 | 2°17 | 10°54 | 18°59 | 9°56 | 13°D10 | 14°27 | 16°42 | 1° 3 | T 7 |
| F 8 | 1 8 3 | 15°12'04 | 28°26 | 19°36 | 6°38 | 1°24 | 2°33 | 2°17 | 10°56 | 19° 0 | 9°58 | 13°10 | 14°24 | 16°49 | 1° 0 | F 8 |
| S 9 | 1 11 59 | 16°10'45 | 12♊46 | 18°31 | 7°53 | 2° 4 | 2°40 | 2°18 | 10°58 | 19° 1 | 10° 0 | 13°12 | 14°20 | 16°55 | 0°58 | S 9 |
| S 10 | 1 15 56 | 17° 9'28 | 26°39 | 17°25 | 9° 8 | 2°44 | 2°48 | 2°18 | 11° 0 | 19° 2 | 10° 2 | 13°13 | 14°17 | 17° 2 | 0°55 | S 10 |
| M11 | 1 19 52 | 18° 8'13 | 10♋ 7 | 16°20 | 10°22 | 3°24 | 2°56 | 2°18 | 11° 2 | 19° 4 | 10° 5 | 13°14 | 14°14 | 17° 9 | 0°52 | M11 |
| T 12 | 1 23 49 | 19° 7'01 | 23°11 | 15°17 | 11°37 | 4° 5 | 3° 3 | 2°19 | 11° 3 | 19° 5 | 10° 7 | 13°R14 | 14°11 | 17°15 | 0°50 | T 12 |
| W13 | 1 27 46 | 20° 5'50 | 5♌55 | 14°19 | 12°52 | 4°46 | 3°10 | 2°20 | 11° 5 | 19° 6 | 10° 9 | 13°13 | 14° 8 | 17°22 | 0°47 | W13 |
| T 14 | 1 31 42 | 21° 4'42 | 18°21 | 13°26 | 14° 6 | 5°27 | 3°17 | 2°20 | 11° 7 | 19° 8 | 10°11 | 13°11 | 14° 4 | 17°29 | 0°44 | T 14 |
| F 15 | 1 35 39 | 22° 3'36 | 0♍33 | 12°41 | 15°21 | 6° 8 | 3°24 | 2°21 | 11° 9 | 19° 9 | 10°13 | 13° 9 | 14° 1 | 17°35 | 0°42 | F 15 |
| S 16 | 1 39 35 | 23° 2'33 | 12°36 | 12° 4 | 16°36 | 6°49 | 3°31 | 2°22 | 11°10 | 19°10 | 10°16 | 13° 5 | 13°58 | 17°42 | 0°39 | S 16 |
| S 17 | 1 43 32 | 24° 1'31 | 24°31 | 11°36 | 17°51 | 7°30 | 3°38 | 2°23 | 11°12 | 19°12 | 10°18 | 13° 2 | 13°55 | 17°49 | 0°36 | S 17 |
| M18 | 1 47 28 | 25° 0'31 | 6♎21 | 11°19 | 19° 5 | 8°11 | 3°44 | 2°24 | 11°14 | 19°13 | 10°20 | 12°59 | 13°52 | 17°55 | 0°34 | M18 |
| T 19 | 1 51 25 | 25°59'34 | 18° 9 | 11°D11 | 20°20 | 8°53 | 3°51 | 2°25 | 11°15 | 19°15 | 10°22 | 12°57 | 13°49 | 18° 2 | 0°31 | T 19 |
| W20 | 1 55 21 | 26°58'39 | 29°58 | 11°15 | 21°35 | 9°34 | 3°57 | 2°27 | 11°17 | 19°16 | 10°24 | 12°56 | 13°45 | 18° 9 | 0°28 | W20 |
| T 21 | 1 59 18 | 27°57'45 | 11♏48 | 11°29 | 22°50 | 10°16 | 4° 3 | 2°28 | 11°18 | 19°18 | 10°26 | 12°D55 | 13°42 | 18°15 | 0°25 | T 21 |
| F 22 | 2 3 15 | 28°56'54 | 23°43 | 11°52 | 24° 5 | 10°58 | 4° 9 | 2°30 | 11°20 | 19°20 | 10°29 | 12°56 | 13°39 | 18°22 | 0°23 | F 22 |
| S 23 | 2 7 11 | 29°56'04 | 5♐44 | 12°26 | 25°20 | 11°40 | 4°14 | 2°31 | 11°21 | 19°21 | 10°31 | 12°56 | 13°36 | 18°29 | 0°20 | S 23 |
| S 24 | 2 11 8 | 0♏55'16 | 17°55 | 13° 9 | 26°35 | 12°22 | 4°20 | 2°33 | 11°22 | 19°23 | 10°33 | 12°58 | 13°33 | 18°35 | 0°17 | S 24 |
| M25 | 2 15 4 | 1°54'30 | 0♑18 | 14° 0 | 27°50 | 13° 4 | 4°25 | 2°35 | 11°23 | 19°24 | 10°35 | 12°59 | 13°29 | 18°42 | 0°14 | M25 |
| T 26 | 2 19 1 | 2°53'46 | 12°57 | 14°58 | 29° 4 | 13°47 | 4°31 | 2°37 | 11°25 | 19°26 | 10°37 | 13° 0 | 13°26 | 18°49 | 0°12 | T 26 |
| W27 | 2 22 57 | 3°53'04 | 25°55 | 16° 4 | 0♏19 | 14°29 | 4°36 | 2°39 | 11°26 | 19°28 | 10°39 | 13° 0 | 13°23 | 18°55 | 0° 9 | W27 |
| T 28 | 2 26 54 | 4°52'23 | 9♒15 | 17°15 | 1°34 | 15°12 | 4°40 | 2°41 | 11°27 | 19°29 | 10°41 | 13°R 0 | 13°20 | 19° 2 | 0° 6 | T 28 |
| F 29 | 2 30 50 | 5°51'44 | 22°59 | 18°32 | 2°49 | 15°54 | 4°45 | 2°43 | 11°28 | 19°31 | 10°43 | 13° 0 | 13°17 | 19° 9 | 0° 3 | F 29 |
| S 30 | 2 34 47 | 6°51'06 | 7♓ 8 | 19°54 | 4° 4 | 16°37 | 4°50 | 2°45 | 11°29 | 19°33 | 10°45 | 12°59 | 13°14 | 19°15 | 0° 1 | S 30 |
| S 31 | 2 38 44 | 7♏50'31 | 21♓40 | 21♎19 | 5♏19 | 17♑20 | 4♌54 | 2♒47 | 11♌30 | 19♐35 | 10♎47 | 12♏59 | 13♏10 | 19♎22 | 29♈58 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 3s18 | 11s34 | 5n12 | 13s29 | 4s 4 | 2n 7 | 1n25 | 25s20 | 2s 4 | 19n43 | 0n 1 | 19s47 | 0s15 | 18n 1 | 0n35 | 21s23 | 1n28 | 10n13 | 15n15 | 15s48 | 16s11 | 8s34 | 11n56 | 0n 4 | F 1 |
| S 2 | 3 41 | 7 16 | 5 2 | 13 15 | 4 1 | 1 38 | 1 26 | 25 21 | 2 4 | 19 41 | 0 1 | 19 47 | 0 15 | 18 1 | 0 35 | 21 23 | 1 28 | 10 12 | 15 15 | 15 47 | 16 10 | 8 36 | 11 55 | 0 4 | S 2 |
| S 3 | 4 4 | 2 25 | 4 31 | 12 58 | 3 57 | 1 9 | 1 26 | 25 21 | 2 3 | 19 40 | 0 1 | 19 47 | 0 15 | 18 0 | 0 35 | 21 24 | 1 28 | 10 11 | 15 15 | 15 46 | 16 9 | 8 38 | 11 54 | 0 4 | S 3 |
| M 4 | 4 27 | 2n41 | 3 42 | 12 36 | 3 51 | 0 40 | 1 26 | 25 21 | 2 3 | 19 38 | 0 1 | 19 47 | 0 15 | 18 0 | 0 35 | 21 24 | 1 28 | 10 10 | 15 15 | 15 44 | 16 8 | 8 39 | 11 53 | 0 4 | M 4 |
| T 5 | 4 49 | 7 40 | 2 36 | 12 11 | 3 43 | 0 10 | 1 26 | 25 21 | 2 3 | 19 36 | 0 1 | 19 47 | 0 15 | 17 59 | 0 35 | 21 24 | 1 28 | 10 9 | 15 15 | 15 43 | 16 7 | 8 41 | 11 52 | 0 4 | T 5 |
| W 6 | 5 12 | 12 10 | 1 19 | 11 41 | 3 33 | 0s19 | 1 27 | 25 21 | 2 2 | 19 34 | 0 2 | 19 48 | 0 15 | 17 58 | 0 35 | 21 24 | 1 28 | 10 9 | 15 15 | 15 43 | 16 6 | 8 43 | 11 51 | 0 4 | W 6 |
| T 7 | 5 35 | 15 49 | 0s 3 | 11 8 | 3 22 | 0 48 | 1 27 | 25 21 | 2 2 | 19 33 | 0 2 | 19 48 | 0 15 | 17 58 | 0 35 | 21 24 | 1 28 | 10 8 | 15 16 | 15 42 | 16 5 | 8 45 | 11 50 | 0 4 | T 7 |
| F 8 | 5 57 | 18 21 | 1 23 | 10 32 | 3 8 | 1 18 | 1 27 | 25 20 | 2 2 | 19 31 | 0 2 | 19 48 | 0 15 | 17 57 | 0 35 | 21 24 | 1 28 | 10 7 | 15 16 | 15 43 | 16 4 | 8 47 | 11 49 | 0 4 | F 8 |
| S 9 | 6 20 | 19 38 | 2 36 | 9 53 | 2 53 | 1 47 | 1 27 | 25 19 | 2 1 | 19 29 | 0 2 | 19 48 | 0 15 | 17 57 | 0 35 | 21 24 | 1 27 | 10 6 | 15 16 | 15 43 | 16 3 | 8 49 | 11 48 | 0 4 | S 9 |
| S 10 | 6 42 | 19 39 | 3 37 | 9 12 | 2 36 | 2 16 | 1 26 | 25 18 | 2 1 | 19 28 | 0 2 | 19 48 | 0 15 | 17 56 | 0 35 | 21 25 | 1 27 | 10 5 | 15 16 | 15 43 | 16 2 | 8 50 | 11 47 | 0 3 | S 10 |
| M11 | 7 5 | 18 32 | 4 24 | 8 31 | 2 18 | 2 46 | 1 26 | 25 17 | 2 1 | 19 26 | 0 2 | 19 48 | 0 15 | 17 56 | 0 35 | 21 25 | 1 27 | 10 5 | 15 16 | 15 44 | 16 2 | 8 52 | 11 46 | 0 3 | M11 |
| T 12 | 7 27 | 16 28 | 4 56 | 7 49 | 1 59 | 3 15 | 1 26 | 25 15 | 2 0 | 19 25 | 0 2 | 19 47 | 0 15 | 17 55 | 0 35 | 21 25 | 1 27 | 10 4 | 15 16 | 15 44 | 16 1 | 8 54 | 11 45 | 0 3 | T 12 |
| W13 | 7 49 | 13 38 | 5 13 | 7 8 | 1 39 | 3 44 | 1 26 | 25 13 | 2 0 | 19 23 | 0 2 | 19 47 | 0 16 | 17 55 | 0 35 | 21 25 | 1 27 | 10 3 | 15 16 | 15 44 | 16 0 | 8 56 | 11 44 | 0 3 | W13 |
| T 14 | 8 11 | 10 16 | 5 14 | 6 29 | 1 18 | 4 13 | 1 25 | 25 11 | 1 59 | 19 22 | 0 2 | 19 47 | 0 16 | 17 54 | 0 35 | 21 25 | 1 27 | 10 3 | 15 16 | 15 43 | 15 59 | 8 58 | 11 43 | 0 3 | T 14 |
| F 15 | 8 33 | 6 31 | 5 1 | 5 52 | 0 58 | 4 43 | 1 25 | 25 9 | 1 59 | 19 20 | 0 3 | 19 47 | 0 16 | 17 54 | 0 35 | 21 25 | 1 27 | 10 2 | 15 16 | 15 42 | 15 58 | 8 59 | 11 42 | 0 3 | F 15 |
| S 16 | 8 55 | 2 34 | 4 35 | 5 19 | 0 38 | 5 12 | 1 24 | 25 7 | 1 59 | 19 19 | 0 3 | 19 47 | 0 16 | 17 54 | 0 35 | 21 26 | 1 27 | 10 1 | 15 17 | 15 41 | 15 57 | 9 1 | 11 41 | 0 3 | S 16 |
| S 17 | 9 16 | 1s27 | 3 57 | 4 51 | 0 18 | 5 41 | 1 24 | 25 4 | 1 58 | 19 17 | 0 3 | 19 47 | 0 16 | 17 53 | 0 35 | 21 26 | 1 27 | 10 0 | 15 17 | 15 40 | 15 56 | 9 3 | 11 40 | 0 3 | S 17 |
| M18 | 9 38 | 5 24 | 3 9 | 4 27 | 0n 1 | 6 9 | 1 23 | 25 1 | 1 58 | 19 16 | 0 3 | 19 47 | 0 16 | 17 53 | 0 35 | 21 26 | 1 27 | 10 0 | 15 17 | 15 39 | 15 55 | 9 5 | 11 39 | 0 3 | M18 |
| T 19 | 9 59 | 9 8 | 2 13 | 4 8 | 0 18 | 6 38 | 1 22 | 24 58 | 1 57 | 19 14 | 0 3 | 19 46 | 0 16 | 17 52 | 0 35 | 21 26 | 1 27 | 9 59 | 15 17 | 15 39 | 15 54 | 9 7 | 11 38 | 0 3 | T 19 |
| W20 | 10 21 | 12 31 | 1 11 | 3 54 | 0 35 | 7 7 | 1 21 | 24 55 | 1 57 | 19 13 | 0 3 | 19 46 | 0 16 | 17 52 | 0 35 | 21 26 | 1 27 | 9 58 | 15 17 | 15 38 | 15 53 | 9 8 | 11 37 | 0 3 | W20 |
| T 21 | 10 42 | 15 24 | 0 6 | 3 45 | 0 50 | 7 35 | 1 21 | 24 51 | 1 56 | 19 12 | 0 3 | 19 46 | 0 16 | 17 52 | 0 35 | 21 26 | 1 27 | 9 58 | 15 17 | 15 38 | 15 52 | 9 10 | 11 36 | 0 3 | T 21 |
| F 22 | 11 3 | 17 38 | 0n59 | 3 42 | 1 3 | 8 3 | 1 20 | 24 47 | 1 56 | 19 10 | 0 3 | 19 46 | 0 16 | 17 51 | 0 35 | 21 27 | 1 27 | 9 57 | 15 18 | 15 38 | 15 51 | 9 12 | 11 35 | 0 3 | F 22 |
| S 23 | 11 23 | 19 7 | 2 3 | 3 44 | 1 15 | 8 31 | 1 19 | 24 43 | 1 56 | 19 9 | 0 4 | 19 45 | 0 16 | 17 51 | 0 35 | 21 27 | 1 27 | 9 57 | 15 18 | 15 38 | 15 50 | 9 14 | 11 34 | 0 2 | S 23 |
| S 24 | 11 44 | 19 44 | 3 2 | 3 51 | 1 26 | 8 59 | 1 18 | 24 39 | 1 55 | 19 8 | 0 4 | 19 45 | 0 16 | 17 51 | 0 35 | 21 27 | 1 27 | 9 56 | 15 18 | 15 39 | 15 49 | 9 16 | 11 33 | 0 2 | S 24 |
| M25 | 12 4 | 19 25 | 3 54 | 4 2 | 1 35 | 9 27 | 1 17 | 24 34 | 1 55 | 19 7 | 0 4 | 19 45 | 0 16 | 17 50 | 0 35 | 21 27 | 1 27 | 9 55 | 15 18 | 15 39 | 15 48 | 9 17 | 11 32 | 0 2 | M25 |
| T 26 | 12 25 | 18 7 | 4 35 | 4 17 | 1 43 | 9 54 | 1 16 | 24 30 | 1 54 | 19 6 | 0 4 | 19 44 | 0 16 | 17 50 | 0 35 | 21 27 | 1 27 | 9 55 | 15 18 | 15 39 | 15 47 | 9 19 | 11 31 | 0 2 | T 26 |
| W27 | 12 45 | 15 52 | 5 4 | 4 37 | 1 49 | 10 22 | 1 14 | 24 25 | 1 54 | 19 5 | 0 4 | 19 44 | 0 16 | 17 50 | 0 35 | 21 27 | 1 27 | 9 54 | 15 19 | 15 40 | 15 46 | 9 21 | 11 30 | 0 2 | W27 |
| T 28 | 13 5 | 12 45 | 5 17 | 4 59 | 1 54 | 10 49 | 1 13 | 24 19 | 1 53 | 19 4 | 0 4 | 19 43 | 0 16 | 17 50 | 0 36 | 21 28 | 1 27 | 9 54 | 15 19 | 15 40 | 15 45 | 9 23 | 11 29 | 0 2 | T 28 |
| F 29 | 13 24 | 8 51 | 5 13 | 5 25 | 1 57 | 11 16 | 1 12 | 24 14 | 1 53 | 19 3 | 0 4 | 19 43 | 0 16 | 17 49 | 0 36 | 21 28 | 1 27 | 9 53 | 15 19 | 15 39 | 15 45 | 9 25 | 11 28 | 0 2 | F 29 |
| S 30 | 13 44 | 4 21 | 4 50 | 5 53 | 2 0 | 11 42 | 1 11 | 24 8 | 1 52 | 19 2 | 0 4 | 19 42 | 0 16 | 17 49 | 0 36 | 21 28 | 1 27 | 9 52 | 15 19 | 15 39 | 15 44 | 9 26 | 11 27 | 0 2 | S 30 |
| S 31 | 14s 3 | 0n31 | 4n 8 | 6s24 | 2n 1 | 12s 8 | 1n 9 | 24s 2 | 1s51 | 19n 1 | 0n 5 | 19s42 | 0s16 | 17n49 | 0n36 | 21s28 | 1n27 | 9n52 | 15n20 | 15s39 | 15s43 | 9s28 | 11n26 | 0n 2 | S 31 |

Julian Day Number = 2803181.5, Delta T = 50m54s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'00, Lahiri = 37°20'00


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# ASTRODIENST EPHEMERIS for the year 2962
# geocentric

## NOVEMBER 2962 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 2 42 40 | 8♏49'57 | 6♈31 | 22♎48 | 6♏34 | 18♉ 3 | 4♌58 | 2♒50 | 11♌31 | 19♐37 | 10♎49 | 12°R58 | 13♏ 7 | 19♎29 | 29°R55 | M 1 |
| T 2 | 2 46 37 | 9°49'24 | 21°36 | 24°19 | 7°49 | 18°46 | 5° 2 | 2°53 | 11°31 | 19°38 | 10°51 | 12♏58 | 13° 4 | 19°35 | 29♈52 | T 2 |
| W 3 | 2 50 33 | 10°48'54 | 6♋45 | 25°53 | 9° 4 | 19°29 | 5° 6 | 2°55 | 11°32 | 19°40 | 10°53 | 12°D58 | 13° 1 | 19°42 | 29°50 | W 3 |
| T 4 | 2 54 30 | 11°48'26 | 21°49 | 27°29 | 10°19 | 20°12 | 5°10 | 2°58 | 11°33 | 19°42 | 10°55 | 12°58 | 12°58 | 19°49 | 29°47 | T 4 |
| F 5 | 2 58 26 | 12°47'59 | 6♊39 | 29° 6 | 11°34 | 20°55 | 5°13 | 3° 1 | 11°34 | 19°44 | 10°57 | 12°R58 | 12°55 | 19°55 | 29°44 | F 5 |
| S 6 | 3 2 23 | 13°47'35 | 21° 9 | 0♏44 | 12°49 | 21°39 | 5°17 | 3° 4 | 11°34 | 19°46 | 10°59 | 12°58 | 12°51 | 20° 2 | 29°42 | S 6 |
| S 7 | 3 6 19 | 14°47'13 | 5♋13 | 2°24 | 14° 4 | 22°22 | 5°20 | 3° 7 | 11°35 | 19°48 | 11° 1 | 12°58 | 12°48 | 20° 9 | 29°39 | S 7 |
| M 8 | 3 10 16 | 15°46'54 | 18°51 | 4° 4 | 15°20 | 23° 6 | 5°23 | 3°10 | 11°35 | 19°50 | 11° 3 | 12°57 | 12°45 | 20°15 | 29°37 | M 8 |
| T 9 | 3 14 13 | 16°46'36 | 2♌ 1 | 5°44 | 16°35 | 23°50 | 5°25 | 3°13 | 11°36 | 19°52 | 11° 5 | 12°57 | 12°42 | 20°22 | 29°34 | T 9 |
| W10 | 3 18 9 | 17°46'20 | 14°48 | 7°24 | 17°50 | 24°33 | 5°28 | 3°16 | 11°36 | 19°54 | 11° 7 | 12°D57 | 12°39 | 20°28 | 29°31 | W10 |
| T 11 | 3 22 6 | 18°46'07 | 27°15 | 9° 5 | 19° 5 | 25°17 | 5°30 | 3°20 | 11°36 | 19°56 | 11° 9 | 12°57 | 12°35 | 20°35 | 29°29 | T 11 |
| F 12 | 3 26 2 | 19°45'56 | 9♍25 | 10°46 | 20°20 | 26° 1 | 5°32 | 3°23 | 11°37 | 19°58 | 11°11 | 12°57 | 12°32 | 20°42 | 29°26 | F 12 |
| S 13 | 3 29 59 | 20°45'47 | 21°23 | 12°26 | 21°35 | 26°45 | 5°34 | 3°27 | 11°37 | 20° 0 | 11°13 | 12°58 | 12°29 | 20°48 | 29°24 | S 13 |
| S 14 | 3 33 55 | 21°45'40 | 3♎14 | 14° 7 | 22°50 | 27°29 | 5°36 | 3°30 | 11°37 | 20° 2 | 11°14 | 12°59 | 12°26 | 20°55 | 29°21 | S 14 |
| M15 | 3 37 52 | 22°45'35 | 15° 2 | 15°47 | 24° 5 | 28°13 | 5°38 | 3°34 | 11°37 | 20° 4 | 11°16 | 13° 0 | 12°23 | 21° 2 | 29°19 | M15 |
| T 16 | 3 41 48 | 23°45'32 | 26°50 | 17°27 | 25°21 | 28°58 | 5°39 | 3°38 | 11°37 | 20° 6 | 11°18 | 13° 1 | 12°20 | 21° 8 | 29°16 | T 16 |
| W17 | 3 45 45 | 24°45'32 | 8♏41 | 19° 6 | 26°36 | 29°42 | 5°40 | 3°42 | 11°R37 | 20° 8 | 11°20 | 13°R 1 | 12°16 | 21°15 | 29°14 | W17 |
| T 18 | 3 49 42 | 25°45'33 | 20°38 | 20°45 | 27°51 | 0♒26 | 5°41 | 3°46 | 11°37 | 20°10 | 11°21 | 13° 1 | 12°13 | 21°22 | 29°11 | T 18 |
| F 19 | 3 53 38 | 26°45'36 | 2♐43 | 22°24 | 29° 6 | 1°11 | 5°42 | 3°50 | 11°37 | 20°12 | 11°23 | 13° 0 | 12°10 | 21°28 | 29° 9 | F 19 |
| S 20 | 3 57 35 | 27°45'41 | 14°58 | 24° 3 | 0♐21 | 1°55 | 5°43 | 3°54 | 11°37 | 20°14 | 11°25 | 12°59 | 12° 7 | 21°35 | 29° 7 | S 20 |
| S 21 | 4 1 31 | 28°45'47 | 27°23 | 25°41 | 1°36 | 2°40 | 5°43 | 3°58 | 11°37 | 20°16 | 11°26 | 12°57 | 12° 4 | 21°42 | 29° 4 | S 21 |
| M22 | 4 5 28 | 29°45'56 | 10♉ 0 | 27°19 | 2°52 | 3°25 | 5°R43 | 4° 2 | 11°36 | 20°18 | 11°28 | 12°54 | 12° 1 | 21°48 | 29° 2 | M22 |
| T 23 | 4 9 24 | 0♐46'06 | 22°51 | 28°56 | 4° 7 | 4° 9 | 5°43 | 4° 7 | 11°36 | 20°20 | 11°30 | 12°52 | 11°57 | 21°55 | 29° 0 | T 23 |
| W24 | 4 13 21 | 1°46'17 | 5♒57 | 0♐33 | 5°22 | 4°54 | 5°43 | 4°11 | 11°36 | 20°23 | 11°31 | 12°49 | 11°54 | 22° 2 | 28°58 | W24 |
| T 25 | 4 17 17 | 2°46'30 | 19°19 | 2°10 | 6°37 | 5°39 | 5°43 | 4°15 | 11°35 | 20°25 | 11°33 | 12°48 | 11°51 | 22° 8 | 28°55 | T 25 |
| F 26 | 4 21 14 | 3°46'44 | 2♓58 | 3°46 | 7°53 | 6°24 | 5°42 | 4°20 | 11°35 | 20°27 | 11°34 | 12°D47 | 11°48 | 22°15 | 28°53 | F 26 |
| S 27 | 4 25 11 | 4°46'59 | 16°54 | 5°22 | 9° 8 | 7° 9 | 5°41 | 4°25 | 11°34 | 20°29 | 11°36 | 12°48 | 11°45 | 22°22 | 28°51 | S 27 |
| S 28 | 4 29 7 | 5°47'16 | 1♈ 8 | 6°57 | 10°23 | 7°54 | 5°40 | 4°29 | 11°34 | 20°31 | 11°37 | 12°49 | 11°41 | 22°28 | 28°49 | S 28 |
| M29 | 4 33 4 | 6°47'34 | 15°37 | 8°33 | 11°38 | 8°39 | 5°39 | 4°34 | 11°33 | 20°33 | 11°39 | 12°50 | 11°38 | 22°35 | 28°47 | M29 |
| T 30 | 4 37 0 | 7♐47'54 | 0♋18 | 10♐ 8 | 12♐53 | 9♒24 | 5♌37 | 4♒39 | 11♌32 | 20♐36 | 11♎40 | 12♏52 | 11♏35 | 22♎42 | 28♈45 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 14s22 | 5n28 | 3n 9 | 6s56 | 2n 2 | 12s34 | 1n 8 | 23s56 | 1s51 | 19n 0 | 0n 5 | 19s41 | 0s17 | 17n49 | 0n36 | 21s28 | 1n27 | 9n51 | 15n20 | 15s39 | 15s42 | 9s30 | 11n25 | 0n 2 | M 1 |
| T 2 | 14 41 | 10 10 | 1 56 | 7 30 | 2 1 | 13 0 | 1 6 | 23 50 | 1 50 | 18 59 | 0 5 | 19 41 | 0 17 | 17 48 | 0 36 | 21 28 | 1 26 | 9 51 | 15 20 | 15 39 | 15 41 | 9 32 | 11 24 | 0 2 | T 2 |
| W 3 | 14 59 | 14 14 | 0 35 | 8 5 | 2 0 | 13 25 | 1 5 | 23 43 | 1 50 | 18 58 | 0 5 | 19 40 | 0 17 | 17 48 | 0 36 | 21 29 | 1 26 | 9 50 | 15 21 | 15 39 | 15 40 | 9 33 | 11 23 | 0 2 | W 3 |
| T 4 | 15 18 | 17 20 | 0s49 | 8 41 | 1 58 | 13 50 | 1 3 | 23 36 | 1 49 | 18 58 | 0 5 | 19 40 | 0 17 | 17 48 | 0 36 | 21 29 | 1 26 | 9 50 | 15 21 | 15 39 | 15 39 | 9 35 | 11 22 | 0 2 | T 4 |
| F 5 | 15 36 | 19 12 | 2 8 | 9 18 | 1 55 | 14 15 | 1 1 | 23 29 | 1 49 | 18 57 | 0 5 | 19 39 | 0 17 | 17 48 | 0 36 | 21 29 | 1 26 | 9 49 | 15 21 | 15 39 | 15 38 | 9 37 | 11 21 | 0 1 | F 5 |
| S 6 | 15 54 | 19 45 | 3 17 | 9 55 | 1 52 | 14 39 | 1 0 | 23 22 | 1 48 | 18 56 | 0 5 | 19 39 | 0 17 | 17 48 | 0 36 | 21 29 | 1 26 | 9 49 | 15 21 | 15 39 | 15 37 | 9 39 | 11 20 | 0 1 | S 6 |
| S 7 | 16 11 | 19 1 | 4 12 | 10 33 | 1 48 | 15 3 | 0 58 | 23 14 | 1 48 | 18 56 | 0 5 | 19 38 | 0 17 | 17 48 | 0 36 | 21 29 | 1 26 | 9 48 | 15 22 | 15 39 | 15 36 | 9 40 | 11 19 | 0 1 | S 7 |
| M 8 | 16 29 | 17 12 | 4 50 | 11 10 | 1 44 | 15 27 | 0 56 | 23 6 | 1 47 | 18 55 | 0 6 | 19 37 | 0 17 | 17 48 | 0 36 | 21 29 | 1 26 | 9 48 | 15 22 | 15 39 | 15 35 | 9 42 | 11 18 | 0 1 | M 8 |
| T 9 | 16 46 | 14 32 | 5 12 | 11 48 | 1 39 | 15 50 | 0 54 | 22 58 | 1 46 | 18 54 | 0 6 | 19 37 | 0 17 | 17 48 | 0 36 | 21 30 | 1 26 | 9 48 | 15 22 | 15 39 | 15 34 | 9 44 | 11 17 | 0 1 | T 9 |
| W10 | 17 2 | 11 14 | 5 18 | 12 25 | 1 34 | 16 13 | 0 52 | 22 50 | 1 46 | 18 54 | 0 6 | 19 36 | 0 17 | 17 47 | 0 36 | 21 30 | 1 26 | 9 47 | 15 23 | 15 39 | 15 33 | 9 46 | 11 16 | 0 1 | W10 |
| T 11 | 17 19 | 7 32 | 5 8 | 13 3 | 1 29 | 16 35 | 0 50 | 22 41 | 1 45 | 18 53 | 0 6 | 19 35 | 0 17 | 17 47 | 0 36 | 21 30 | 1 26 | 9 47 | 15 23 | 15 39 | 15 32 | 9 47 | 11 15 | 0 1 | T 11 |
| F 12 | 17 35 | 3 36 | 4 45 | 13 39 | 1 23 | 16 57 | 0 48 | 22 33 | 1 45 | 18 53 | 0 6 | 19 34 | 0 17 | 17 47 | 0 36 | 21 30 | 1 26 | 9 46 | 15 23 | 15 39 | 15 31 | 9 49 | 11 14 | 0 1 | F 12 |
| S 13 | 17 51 | 0s26 | 4 9 | 14 16 | 1 17 | 17 19 | 0 46 | 22 24 | 1 44 | 18 53 | 0 6 | 19 34 | 0 17 | 17 47 | 0 36 | 21 30 | 1 26 | 9 46 | 15 24 | 15 39 | 15 30 | 9 51 | 11 13 | 0 1 | S 13 |
| S 14 | 18 7 | 4 24 | 3 24 | 14 51 | 1 11 | 17 40 | 0 44 | 22 14 | 1 43 | 18 52 | 0 6 | 19 33 | 0 17 | 17 47 | 0 36 | 21 31 | 1 26 | 9 46 | 15 24 | 15 39 | 15 29 | 9 53 | 11 12 | 0 1 | S 14 |
| M15 | 18 22 | 8 11 | 2 29 | 15 26 | 1 5 | 18 1 | 0 42 | 22 5 | 1 43 | 18 52 | 0 7 | 19 32 | 0 17 | 17 47 | 0 36 | 21 31 | 1 26 | 9 45 | 15 24 | 15 39 | 15 28 | 9 54 | 11 11 | 0 1 | M15 |
| T 16 | 18 37 | 11 40 | 1 29 | 16 1 | 0 59 | 18 21 | 0 40 | 21 55 | 1 42 | 18 52 | 0 7 | 19 31 | 0 17 | 17 47 | 0 36 | 21 31 | 1 26 | 9 45 | 15 25 | 15 40 | 15 27 | 9 56 | 11 10 | 0 1 | T 16 |
| W17 | 18 51 | 14 42 | 0 24 | 16 34 | 0 52 | 18 40 | 0 38 | 21 45 | 1 41 | 18 52 | 0 7 | 19 30 | 0 17 | 17 47 | 0 36 | 21 31 | 1 26 | 9 45 | 15 25 | 15 40 | 15 26 | 9 58 | 11 9 | 0 1 | W17 |
| T 18 | 19 6 | 17 8 | 0n42 | 17 7 | 0 45 | 18 59 | 0 36 | 21 35 | 1 41 | 18 52 | 0 7 | 19 29 | 0 17 | 17 47 | 0 36 | 21 31 | 1 26 | 9 44 | 15 26 | 15 40 | 15 25 | 10 0 | 11 8 | 0 0 | T 18 |
| F 19 | 19 20 | 18 51 | 1 47 | 17 39 | 0 39 | 19 18 | 0 34 | 21 25 | 1 40 | 18 52 | 0 7 | 19 29 | 0 17 | 17 47 | 0 36 | 21 31 | 1 26 | 9 44 | 15 26 | 15 40 | 15 24 | 10 1 | 11 7 | 0 0 | F 19 |
| S 20 | 19 33 | 19 41 | 2 48 | 18 10 | 0 32 | 19 36 | 0 32 | 21 14 | 1 39 | 18 52 | 0 7 | 19 28 | 0 17 | 17 48 | 0 36 | 21 32 | 1 26 | 9 44 | 15 26 | 15 39 | 15 23 | 10 3 | 11 6 | 0 0 | S 20 |
| S 21 | 19 47 | 19 36 | 3 42 | 18 40 | 0 25 | 19 54 | 0 29 | 21 4 | 1 39 | 18 52 | 0 7 | 19 27 | 0 18 | 17 48 | 0 36 | 21 32 | 1 26 | 9 44 | 15 27 | 15 38 | 15 22 | 10 5 | 11 5 | 0 0 | S 21 |
| M22 | 20 0 | 18 31 | 4 26 | 19 10 | 0 18 | 20 11 | 0 27 | 20 53 | 1 38 | 18 52 | 0 8 | 19 26 | 0 18 | 17 48 | 0 37 | 21 32 | 1 26 | 9 43 | 15 27 | 15 38 | 15 21 | 10 6 | 11 5 | 0 0 | M22 |
| T 23 | 20 12 | 16 30 | 4 57 | 19 38 | 0 11 | 20 27 | 0 25 | 20 41 | 1 37 | 18 52 | 0 8 | 19 25 | 0 18 | 17 48 | 0 37 | 21 32 | 1 26 | 9 43 | 15 28 | 15 37 | 15 21 | 10 8 | 11 4 | 0 0 | T 23 |
| W24 | 20 24 | 13 37 | 5 14 | 20 5 | 0 4 | 20 43 | 0 23 | 20 30 | 1 37 | 18 52 | 0 8 | 19 24 | 0 18 | 17 48 | 0 37 | 21 32 | 1 26 | 9 43 | 15 28 | 15 36 | 15 20 | 10 10 | 11 3 | 0s 0 | W24 |
| T 25 | 20 36 | 9 58 | 5 14 | 20 31 | 0s 2 | 20 58 | 0 20 | 20 18 | 1 36 | 18 52 | 0 8 | 19 23 | 0 18 | 17 48 | 0 37 | 21 32 | 1 26 | 9 43 | 15 28 | 15 36 | 15 19 | 10 12 | 11 2 | 0 0 | T 25 |
| F 26 | 20 48 | 5 45 | 4 56 | 20 57 | 0 9 | 21 13 | 0 18 | 20 7 | 1 35 | 18 53 | 0 8 | 19 22 | 0 18 | 17 48 | 0 37 | 21 33 | 1 26 | 9 42 | 15 29 | 15 36 | 15 18 | 10 13 | 11 1 | 0 0 | F 26 |
| S 27 | 20 59 | 1 7 | 4 22 | 21 21 | 0 16 | 21 27 | 0 16 | 19 55 | 1 34 | 18 53 | 0 8 | 19 21 | 0 18 | 17 49 | 0 37 | 21 33 | 1 26 | 9 42 | 15 29 | 15 36 | 15 17 | 10 15 | 11 0 | 0 0 | S 27 |
| S 28 | 21 9 | 3n40 | 3 30 | 21 44 | 0 23 | 21 40 | 0 13 | 19 42 | 1 34 | 18 53 | 0 8 | 19 20 | 0 18 | 17 49 | 0 37 | 21 33 | 1 26 | 9 42 | 15 30 | 15 36 | 15 16 | 10 17 | 11 0 | 0 0 | S 28 |
| M29 | 21 20 | 8 20 | 2 25 | 22 6 | 0 29 | 21 53 | 0 11 | 19 30 | 1 33 | 18 54 | 0 9 | 19 18 | 0 18 | 17 49 | 0 37 | 21 33 | 1 26 | 9 42 | 15 30 | 15 37 | 15 15 | 10 18 | 10 59 | 0 0 | M29 |
| T 30 | 21s30 | 12n35 | 1n 9 | 22s26 | 0s36 | 22s 5 | 0n 8 | 19s17 | 1s32 | 18n54 | 0n 9 | 19s17 | 0s18 | 17n49 | 0n37 | 21s33 | 1n26 | 9n42 | 15n31 | 15s37 | 15s14 | 10s20 | 10n58 | 0s 1 | T 30 |

Julian Day Number = 2803212.5, Delta T = 50m55s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'04, Lahiri = 37°20'05


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# ASTRODIENST EPHEMERIS for the year 2962
# geocentric

## DECEMBER 2962 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 4 40 57 | 8♐48'15 | 15♉ 6 | 11♐42 | 14♐ 9 | 10♒10 | 5°R36 | 4♒44 | 11°R32 | 20♐38 | 11♎42 | 12°R52 | 11♏32 | 22♎48 | 28°R43 | W 1 |
| T 2 | 4 44 53 | 9°48'38 | 29°55 | 13°17 | 15°24 | 10°55 | 5♌34 | 4°49 | 11♌31 | 20°40 | 11°43 | 12♏51 | 11°29 | 22°55 | 28♈41 | T 2 |
| F 3 | 4 48 50 | 10°49'02 | 14♊36 | 14°51 | 16°39 | 11°40 | 5°32 | 4°54 | 11°30 | 20°42 | 11°45 | 12°49 | 11°26 | 23° 2 | 28°39 | F 3 |
| S 4 | 4 52 46 | 11°49'28 | 29° 2 | 16°25 | 17°54 | 12°26 | 5°30 | 4°59 | 11°29 | 20°45 | 11°46 | 12°45 | 11°22 | 23° 8 | 28°38 | S 4 |
| S 5 | 4 56 43 | 12°49'55 | 13♋ 9 | 17°59 | 19°10 | 13°11 | 5°27 | 5° 4 | 11°28 | 20°47 | 11°47 | 12°40 | 11°19 | 23°15 | 28°36 | S 5 |
| M 6 | 5 0 40 | 13°50'24 | 26°51 | 19°32 | 20°25 | 13°57 | 5°25 | 5°10 | 11°27 | 20°49 | 11°48 | 12°36 | 11°16 | 23°21 | 28°34 | M 6 |
| T 7 | 5 4 36 | 14°50'55 | 10♌ 8 | 21° 6 | 21°40 | 14°42 | 5°22 | 5°15 | 11°26 | 20°51 | 11°50 | 12°31 | 11°13 | 23°28 | 28°32 | T 7 |
| W 8 | 5 8 33 | 15°51'27 | 23° 0 | 22°39 | 22°55 | 15°28 | 5°19 | 5°20 | 11°25 | 20°54 | 11°51 | 12°27 | 11°10 | 23°35 | 28°31 | W 8 |
| T 9 | 5 12 29 | 16°52'01 | 5♍30 | 24°12 | 24°11 | 16°13 | 5°16 | 5°26 | 11°24 | 20°56 | 11°52 | 12°25 | 11° 7 | 23°41 | 28°29 | T 9 |
| F 10 | 5 16 26 | 17°52'36 | 17°42 | 25°45 | 25°26 | 16°59 | 5°13 | 5°31 | 11°23 | 20°58 | 11°53 | 12°D24 | 11° 3 | 23°48 | 28°27 | F 10 |
| S 11 | 5 20 22 | 18°53'13 | 29°41 | 27°18 | 26°41 | 17°45 | 5° 9 | 5°37 | 11°21 | 21° 0 | 11°54 | 12°25 | 11° 0 | 23°55 | 28°26 | S 11 |
| S 12 | 5 24 19 | 19°53'52 | 11♎31 | 28°50 | 27°56 | 18°30 | 5° 5 | 5°43 | 11°20 | 21° 3 | 11°56 | 12°26 | 10°57 | 24° 1 | 28°24 | S 12 |
| M13 | 5 28 15 | 20°54'33 | 23°18 | 0♑23 | 29°12 | 19°16 | 5° 1 | 5°48 | 11°19 | 21° 5 | 11°57 | 12°28 | 10°54 | 24° 8 | 28°23 | M13 |
| T 14 | 5 32 12 | 21°55'15 | 5♏ 7 | 1°55 | 0♑27 | 20° 2 | 4°57 | 5°54 | 11°17 | 21° 7 | 11°58 | 12°29 | 10°51 | 24°15 | 28°22 | T 14 |
| W15 | 5 36 9 | 22°55'58 | 17° 2 | 3°28 | 1°42 | 20°48 | 4°53 | 6° 0 | 11°16 | 21° 9 | 11°59 | 12°R30 | 10°47 | 24°21 | 28°20 | W15 |
| T 16 | 5 40 5 | 23°56'43 | 29° 7 | 5° 0 | 2°58 | 21°34 | 4°48 | 6° 6 | 11°15 | 21°12 | 12° 0 | 12°28 | 10°44 | 24°28 | 28°19 | T 16 |
| F 17 | 5 44 2 | 24°57'29 | 11♐24 | 6°32 | 4°13 | 22°20 | 4°44 | 6°12 | 11°13 | 21°14 | 12° 1 | 12°24 | 10°41 | 24°35 | 28°18 | F 17 |
| S 18 | 5 47 58 | 25°58'17 | 23°55 | 8° 3 | 5°28 | 23° 6 | 4°39 | 6°18 | 11°11 | 21°16 | 12° 1 | 12°19 | 10°38 | 24°41 | 28°17 | S 18 |
| S 19 | 5 51 55 | 26°59'05 | 6♑40 | 9°35 | 6°44 | 23°52 | 4°34 | 6°24 | 11°10 | 21°18 | 12° 2 | 12°11 | 10°35 | 24°48 | 28°15 | S 19 |
| M20 | 5 55 51 | 27°59'55 | 19°39 | 11° 7 | 7°59 | 24°38 | 4°29 | 6°30 | 11° 8 | 21°21 | 12° 3 | 12° 3 | 10°32 | 24°55 | 28°14 | M20 |
| T 21 | 5 59 48 | 29° 0'46 | 2♒52 | 12°38 | 9°14 | 25°24 | 4°24 | 6°36 | 11° 6 | 21°23 | 12° 4 | 11°54 | 10°28 | 25° 1 | 28°13 | T 21 |
| W22 | 6 3 44 | 0♑ 1'37 | 16°17 | 14° 9 | 10°29 | 26°10 | 4°18 | 6°42 | 11° 5 | 21°25 | 12° 5 | 11°47 | 10°25 | 25° 8 | 28°12 | W22 |
| T 23 | 6 7 41 | 1° 2'30 | 29°53 | 15°39 | 11°45 | 26°56 | 4°12 | 6°48 | 11° 3 | 21°27 | 12° 6 | 11°41 | 10°22 | 25°15 | 28°11 | T 23 |
| F 24 | 6 11 38 | 2° 3'23 | 13♓38 | 17°10 | 13° 0 | 27°42 | 4° 7 | 6°54 | 11° 1 | 21°29 | 12° 6 | 11°37 | 10°19 | 25°21 | 28°11 | F 24 |
| S 25 | 6 15 34 | 3° 4'17 | 27°33 | 18°39 | 14°15 | 28°28 | 4° 1 | 7° 1 | 10°59 | 21°32 | 12° 7 | 11°D35 | 10°16 | 25°28 | 28°10 | S 25 |
| S 26 | 6 19 31 | 4° 5'11 | 11♈36 | 20° 9 | 15°31 | 29°15 | 3°55 | 7° 7 | 10°57 | 21°34 | 12° 8 | 11°35 | 10°13 | 25°35 | 28° 9 | S 26 |
| M27 | 6 23 27 | 5° 6'06 | 25°46 | 21°37 | 16°46 | 0♓ 1 | 3°48 | 7°14 | 10°55 | 21°36 | 12° 8 | 11°36 | 10° 9 | 25°41 | 28° 8 | M27 |
| T 28 | 6 27 24 | 6° 7'01 | 10♉ 3 | 23° 5 | 18° 1 | 0°47 | 3°42 | 7°20 | 10°53 | 21°38 | 12° 9 | 11°R37 | 10° 6 | 25°48 | 28° 8 | T 28 |
| W29 | 6 31 20 | 7° 7'57 | 24°24 | 24°32 | 19°17 | 1°33 | 3°36 | 7°26 | 10°51 | 21°41 | 12° 9 | 11°36 | 10° 3 | 25°54 | 28° 7 | W29 |
| T 30 | 6 35 17 | 8° 8'54 | 8♊45 | 25°58 | 20°32 | 2°20 | 3°29 | 7°33 | 10°49 | 21°43 | 12°10 | 11°33 | 10° 0 | 26° 1 | 28° 6 | T 30 |
| F 31 | 6 39 13 | 9♑ 9'51 | 23♊ 3 | 27♑22 | 21♑47 | 3♓ 6 | 3♌22 | 7♒39 | 10♌47 | 21♐45 | 12♎10 | 11♏28 | 9♏57 | 26♎ 8 | 28♈ 6 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 21s39 | 16n 5 | 0s12 | 22s46 | 0s42 | 22s17 | 0n 6 | 19s 4 | 1s31 | 18n55 | 0n 9 | 19s16 | 0s18 | 17n49 | 0n37 | 21s33 | 1n26 | 9n42 | 15n31 | 15s37 | 15s13 | 10s22 | 10n57 | 0s 1 |
| T 2 | 21 48 | 18 31 | 1 32 | 23 4 | 0 48 | 22 27 | 0 4 | 18 51 | 1 31 | 18 55 | 0 9 | 19 15 | 0 18 | 17 50 | 0 37 | 21 34 | 1 26 | 9 42 | 15 32 | 15 37 | 15 12 | 10 23 | 10 56 | 0 1 |
| F 3 | 21 57 | 19 41 | 2 46 | 23 22 | 0 55 | 22 38 | 0 1 | 18 38 | 1 30 | 18 56 | 0 9 | 19 14 | 0 18 | 17 50 | 0 37 | 21 34 | 1 26 | 9 41 | 15 32 | 15 36 | 15 11 | 10 25 | 10 56 | 0 1 |
| S 4 | 22 5 | 19 32 | 3 47 | 23 38 | 1 1 | 22 47 | 0s 1 | 18 25 | 1 29 | 18 57 | 0 9 | 19 13 | 0 18 | 17 50 | 0 37 | 21 34 | 1 26 | 9 41 | 15 32 | 15 35 | 15 10 | 10 27 | 10 55 | 0 1 |
| S 5 | 22 13 | 18 9 | 4 33 | 23 53 | 1 7 | 22 56 | 0 4 | 18 11 | 1 28 | 18 58 | 0 9 | 19 12 | 0 18 | 17 51 | 0 37 | 21 34 | 1 26 | 9 41 | 15 33 | 15 34 | 15 9 | 10 28 | 10 54 | 0 1 |
| M 6 | 22 20 | 15 45 | 5 1 | 24 6 | 1 13 | 23 4 | 0 6 | 17 57 | 1 28 | 18 58 | 0 10 | 19 10 | 0 18 | 17 51 | 0 37 | 21 34 | 1 26 | 9 41 | 15 33 | 15 32 | 15 8 | 10 30 | 10 54 | 0 1 |
| T 7 | 22 27 | 12 35 | 5 13 | 24 19 | 1 18 | 23 12 | 0 9 | 17 43 | 1 27 | 18 59 | 0 10 | 19 9 | 0 18 | 17 51 | 0 37 | 21 34 | 1 26 | 9 41 | 15 34 | 15 31 | 15 7 | 10 32 | 10 53 | 0 1 |
| W 8 | 22 34 | 8 55 | 5 8 | 24 30 | 1 24 | 23 18 | 0 11 | 17 29 | 1 26 | 19 0 | 0 10 | 19 8 | 0 18 | 17 52 | 0 37 | 21 35 | 1 26 | 9 41 | 15 34 | 15 30 | 15 6 | 10 33 | 10 52 | 0 1 |
| T 9 | 22 40 | 4 58 | 4 48 | 24 40 | 1 29 | 23 24 | 0 13 | 17 15 | 1 25 | 19 1 | 0 10 | 19 7 | 0 18 | 17 52 | 0 37 | 21 35 | 1 26 | 9 41 | 15 35 | 15 29 | 15 5 | 10 35 | 10 52 | 0 1 |
| F 10 | 22 46 | 0 54 | 4 16 | 24 49 | 1 34 | 23 30 | 0 16 | 17 1 | 1 25 | 19 2 | 0 10 | 19 5 | 0 18 | 17 52 | 0 37 | 21 35 | 1 26 | 9 41 | 15 35 | 15 29 | 15 4 | 10 37 | 10 51 | 0 1 |
| S 11 | 22 51 | 3s 8 | 3 33 | 24 56 | 1 39 | 23 34 | 0 18 | 16 46 | 1 24 | 19 3 | 0 10 | 19 4 | 0 19 | 17 53 | 0 37 | 21 35 | 1 26 | 9 41 | 15 36 | 15 29 | 15 3 | 10 38 | 10 50 | 0 1 |
| S 12 | 22 56 | 7 0 | 2 41 | 25 2 | 1 44 | 23 38 | 0 21 | 16 31 | 1 23 | 19 4 | 0 11 | 19 3 | 0 19 | 17 53 | 0 37 | 21 35 | 1 26 | 9 41 | 15 36 | 15 29 | 15 2 | 10 40 | 10 50 | 0 1 |
| M13 | 23 0 | 10 36 | 1 43 | 25 7 | 1 48 | 23 42 | 0 23 | 16 16 | 1 22 | 19 5 | 0 11 | 19 1 | 0 19 | 17 53 | 0 37 | 21 35 | 1 26 | 9 41 | 15 37 | 15 30 | 15 1 | 10 42 | 10 49 | 0 1 |
| T 14 | 23 4 | 13 47 | 0 40 | 25 10 | 1 52 | 23 44 | 0 25 | 16 1 | 1 21 | 19 6 | 0 11 | 19 0 | 0 19 | 17 54 | 0 37 | 21 36 | 1 26 | 9 42 | 15 37 | 15 30 | 15 0 | 10 43 | 10 49 | 0 2 |
| W15 | 23 7 | 16 26 | 0n25 | 25 12 | 1 56 | 23 46 | 0 28 | 15 46 | 1 21 | 19 7 | 0 11 | 18 59 | 0 19 | 17 54 | 0 37 | 21 36 | 1 26 | 9 42 | 15 38 | 15 30 | 14 59 | 10 45 | 10 48 | 0 2 |
| T 16 | 23 10 | 18 24 | 1 29 | 25 13 | 2 0 | 23 47 | 0 30 | 15 30 | 1 20 | 19 9 | 0 11 | 18 57 | 0 19 | 17 55 | 0 37 | 21 36 | 1 26 | 9 42 | 15 38 | 15 30 | 14 58 | 10 47 | 10 48 | 0 2 |
| F 17 | 23 13 | 19 33 | 2 30 | 25 12 | 2 3 | 23 47 | 0 32 | 15 15 | 1 19 | 19 10 | 0 11 | 18 56 | 0 19 | 17 55 | 0 37 | 21 36 | 1 26 | 9 42 | 15 39 | 15 29 | 14 57 | 10 48 | 10 47 | 0 2 |
| S 18 | 23 15 | 19 45 | 3 25 | 25 10 | 2 7 | 23 47 | 0 35 | 14 59 | 1 18 | 19 11 | 0 11 | 18 54 | 0 19 | 17 56 | 0 37 | 21 36 | 1 26 | 9 42 | 15 40 | 15 27 | 14 56 | 10 50 | 10 47 | 0 2 |
| S 19 | 23 17 | 18 58 | 4 11 | 25 7 | 2 9 | 23 45 | 0 37 | 14 43 | 1 17 | 19 12 | 0 12 | 18 53 | 0 19 | 17 56 | 0 37 | 21 36 | 1 26 | 9 42 | 15 40 | 15 25 | 14 55 | 10 52 | 10 46 | 0 2 |
| M20 | 23 18 | 17 11 | 4 45 | 25 2 | 2 12 | 23 43 | 0 39 | 14 27 | 1 17 | 19 14 | 0 12 | 18 51 | 0 19 | 17 57 | 0 38 | 21 36 | 1 26 | 9 42 | 15 41 | 15 22 | 14 54 | 10 53 | 10 46 | 0 2 |
| T 21 | 23 19 | 14 29 | 5 4 | 24 56 | 2 14 | 23 41 | 0 41 | 14 11 | 1 16 | 19 15 | 0 12 | 18 50 | 0 19 | 17 57 | 0 38 | 21 37 | 1 26 | 9 42 | 15 41 | 15 20 | 14 53 | 10 55 | 10 45 | 0 2 |
| W22 | 23 19 | 10 59 | 5 7 | 24 49 | 2 16 | 23 37 | 0 44 | 13 54 | 1 15 | 19 17 | 0 12 | 18 48 | 0 19 | 17 58 | 0 38 | 21 37 | 1 26 | 9 43 | 15 42 | 15 17 | 14 52 | 10 57 | 10 45 | 0 2 |
| T 23 | 23 18 | 6 53 | 4 52 | 24 40 | 2 17 | 23 33 | 0 46 | 13 38 | 1 14 | 19 18 | 0 12 | 18 47 | 0 19 | 17 58 | 0 38 | 21 37 | 1 26 | 9 43 | 15 42 | 15 15 | 14 51 | 10 58 | 10 44 | 0 2 |
| F 24 | 23 18 | 2 22 | 4 21 | 24 30 | 2 18 | 23 28 | 0 48 | 13 21 | 1 13 | 19 20 | 0 12 | 18 45 | 0 19 | 17 59 | 0 38 | 21 37 | 1 26 | 9 43 | 15 43 | 15 14 | 14 50 | 11 0 | 10 44 | 0 2 |
| S 25 | 23 17 | 2n19 | 3 34 | 24 19 | 2 19 | 23 23 | 0 50 | 13 5 | 1 12 | 19 21 | 0 13 | 18 44 | 0 19 | 17 59 | 0 38 | 21 37 | 1 26 | 9 43 | 15 43 | 15 14 | 14 49 | 11 1 | 10 44 | 0 2 |
| S 26 | 23 15 | 6 56 | 2 34 | 24 6 | 2 19 | 23 17 | 0 52 | 12 48 | 1 12 | 19 23 | 0 13 | 18 42 | 0 19 | 18 0 | 0 38 | 21 37 | 1 26 | 9 44 | 15 44 | 15 14 | 14 48 | 11 3 | 10 43 | 0 2 |
| M27 | 23 13 | 11 13 | 1 24 | 23 52 | 2 18 | 23 10 | 0 54 | 12 31 | 1 11 | 19 24 | 0 13 | 18 41 | 0 19 | 18 0 | 0 38 | 21 37 | 1 26 | 9 44 | 15 44 | 15 14 | 14 47 | 11 5 | 10 43 | 0 3 |
| T 28 | 23 10 | 14 53 | 0 8 | 23 36 | 2 17 | 23 2 | 0 56 | 12 14 | 1 10 | 19 26 | 0 13 | 18 39 | 0 19 | 18 1 | 0 38 | 21 38 | 1 26 | 9 44 | 15 45 | 15 14 | 14 46 | 11 6 | 10 43 | 0 3 |
| W29 | 23 7 | 17 40 | 1s 8 | 23 20 | 2 16 | 22 54 | 0 58 | 11 56 | 1 9 | 19 28 | 0 13 | 18 38 | 0 19 | 18 1 | 0 38 | 21 38 | 1 26 | 9 44 | 15 45 | 15 14 | 14 45 | 11 8 | 10 42 | 0 3 |
| T 30 | 23 4 | 19 20 | 2 20 | 23 2 | 2 13 | 22 45 | 1 0 | 11 39 | 1 8 | 19 29 | 0 13 | 18 36 | 0 20 | 18 2 | 0 38 | 21 38 | 1 26 | 9 45 | 15 46 | 15 13 | 14 44 | 11 10 | 10 42 | 0 3 |
| F 31 | 23s 0 | 19n45 | 3s23 | 22s43 | 2s11 | 22s35 | 1s 2 | 11s22 | 1s 7 | 19n31 | 0n13 | 18s34 | 0s20 | 18n 3 | 0n38 | 21s38 | 1n26 | 9n45 | 15n47 | 15s11 | 14s43 | 11s11 | 10n42 | 0s 3 |

Julian Day Number = 2803242.5, Delta T = 50m55s
Ecliptic obliquity = 23°18'45, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'08, Lahiri = 37°20'09


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# ASTRODIENST EPHEMERIS for the year 2963
# geocentric

## JANUARY 2963 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 43 10 | 10♑10'49 | 7♋11 | 28♑45 | 23♑ 2 | 3♓52 | 3°R15 | 7♒46 | 10°R45 | 21♐47 | 12♎11 | 11°R20 | 9♏53 | 26♎14 | 28°R 6 | S 1 |
| S 2 | 6 47 7 | 11°11'48 | 21° 5 | 0♒ 7 | 24°18 | 4°38 | 3♌ 8 | 7°53 | 10♌43 | 21°49 | 12°11 | 11♏10 | 9°50 | 26°21 | 28♈ 5 | S 2 |
| M 3 | 6 51 3 | 12°12'47 | 4♌41 | 1°26 | 25°33 | 5°25 | 3° 1 | 7°59 | 10°41 | 21°51 | 12°12 | 10°59 | 9°47 | 26°28 | 28° 5 | M 3 |
| T 4 | 6 55 0 | 13°13'47 | 17°56 | 2°42 | 26°48 | 6°11 | 2°54 | 8° 6 | 10°39 | 21°54 | 12°12 | 10°48 | 9°44 | 26°34 | 28° 5 | T 4 |
| W 5 | 6 58 56 | 14°14'48 | 0♍48 | 3°56 | 28° 3 | 6°57 | 2°47 | 8°13 | 10°36 | 21°56 | 12°12 | 10°39 | 9°41 | 26°41 | 28° 4 | W 5 |
| T 6 | 7 2 53 | 15°15'50 | 13°20 | 5° 6 | 29°19 | 7°44 | 2°39 | 8°19 | 10°34 | 21°58 | 12°13 | 10°32 | 9°38 | 26°48 | 28° 4 | T 6 |
| F 7 | 7 6 49 | 16°16'52 | 25°33 | 6°12 | 0♒34 | 8°30 | 2°32 | 8°26 | 10°32 | 22° 0 | 12°13 | 10°27 | 9°34 | 26°54 | 28° 4 | F 7 |
| S 8 | 7 10 46 | 17°17'55 | 7♎33 | 7°14 | 1°49 | 9°17 | 2°24 | 8°33 | 10°30 | 22° 2 | 12°13 | 10°25 | 9°31 | 27° 1 | 28°D 4 | S 8 |
| S 9 | 7 14 43 | 18°18'59 | 19°24 | 8°10 | 3° 4 | 10° 3 | 2°17 | 8°40 | 10°27 | 22° 4 | 12°13 | 10°D24 | 9°28 | 27° 8 | 28° 4 | S 9 |
| M10 | 7 18 39 | 19°20'03 | 1♏11 | 9° 1 | 4°20 | 10°49 | 2° 9 | 8°47 | 10°25 | 22° 6 | 12°14 | 10°24 | 9°25 | 27°14 | 28° 4 | M10 |
| T 11 | 7 22 36 | 20°21'08 | 13° 1 | 9°44 | 5°35 | 11°36 | 2° 1 | 8°54 | 10°23 | 22° 8 | 12°14 | 10°R25 | 9°22 | 27°21 | 28° 4 | T 11 |
| W12 | 7 26 32 | 21°22'14 | 24°58 | 10°20 | 6°50 | 12°22 | 1°53 | 9° 1 | 10°20 | 22°10 | 12°14 | 10°24 | 9°19 | 27°28 | 28° 4 | W12 |
| T 13 | 7 30 29 | 22°23'20 | 7♐ 8 | 10°47 | 8° 5 | 13° 9 | 1°45 | 9° 7 | 10°18 | 22°12 | 12°14 | 10°20 | 9°15 | 27°34 | 28° 5 | T 13 |
| F 14 | 7 34 25 | 23°24'27 | 19°33 | 11° 4 | 9°21 | 13°55 | 1°38 | 9°14 | 10°15 | 22°14 | 12°R14 | 10°14 | 9°12 | 27°41 | 28° 5 | F 14 |
| S 15 | 7 38 22 | 24°25'34 | 2♑17 | 11°R11 | 10°36 | 14°41 | 1°30 | 9°21 | 10°13 | 22°16 | 12°14 | 10° 6 | 9° 9 | 27°47 | 28° 5 | S 15 |
| S 16 | 7 42 18 | 25°26'41 | 15°21 | 11° 7 | 11°51 | 15°28 | 1°21 | 9°28 | 10°10 | 22°18 | 12°14 | 9°55 | 9° 6 | 27°54 | 28° 6 | S 16 |
| M17 | 7 46 15 | 26°27'49 | 28°44 | 10°51 | 13° 6 | 16°14 | 1°13 | 9°35 | 10° 8 | 22°20 | 12°14 | 9°42 | 9° 3 | 28° 1 | 28° 6 | M17 |
| T 18 | 7 50 12 | 27°28'56 | 12♒23 | 10°23 | 14°21 | 17° 1 | 1° 5 | 9°42 | 10° 5 | 22°22 | 12°14 | 9°29 | 8°59 | 28° 7 | 28° 7 | T 18 |
| W19 | 7 54 8 | 28°30'04 | 26°14 | 9°44 | 15°37 | 17°47 | 0°57 | 9°49 | 10° 3 | 22°24 | 12°13 | 9°17 | 8°56 | 28°14 | 28° 7 | W19 |
| T 20 | 7 58 5 | 29°31'11 | 10♓15 | 8°53 | 16°52 | 18°34 | 0°49 | 9°57 | 10° 0 | 22°26 | 12°13 | 9° 7 | 8°53 | 28°21 | 28° 8 | T 20 |
| F 21 | 8 2 1 | 0♒32'19 | 24°21 | 7°53 | 18° 7 | 19°20 | 0°41 | 10° 4 | 9°58 | 22°28 | 12°13 | 9° 0 | 8°50 | 28°27 | 28° 9 | F 21 |
| S 22 | 8 5 58 | 1°33'25 | 8♈28 | 6°44 | 19°22 | 20° 6 | 0°33 | 10°11 | 9°55 | 22°30 | 12°13 | 8°56 | 8°47 | 28°34 | 28° 9 | S 22 |
| S 23 | 8 9 54 | 2°34'32 | 22°34 | 5°28 | 20°37 | 20°53 | 0°25 | 10°18 | 9°53 | 22°31 | 12°12 | 8°55 | 8°44 | 28°41 | 28°10 | S 23 |
| M24 | 8 13 51 | 3°35'38 | 6♉39 | 4° 9 | 21°52 | 21°39 | 0°17 | 10°25 | 9°50 | 22°33 | 12°12 | 8°55 | 8°40 | 28°47 | 28°11 | M24 |
| T 25 | 8 17 47 | 4°36'44 | 20°42 | 2°49 | 23° 7 | 22°26 | 0° 9 | 10°32 | 9°47 | 22°35 | 12°12 | 8°55 | 8°37 | 28°54 | 28°12 | T 25 |
| W26 | 8 21 44 | 5°37'49 | 4♊41 | 1°30 | 24°23 | 23°12 | 0° 1 | 10°39 | 9°45 | 22°37 | 12°11 | 8°53 | 8°34 | 29° 1 | 28°13 | W26 |
| T 27 | 8 25 41 | 6°38'54 | 18°37 | 0°14 | 25°38 | 23°58 | 29♋53 | 10°46 | 9°42 | 22°39 | 12°11 | 8°49 | 8°31 | 29° 7 | 28°14 | T 27 |
| F 28 | 8 29 37 | 7°39'59 | 2♋27 | 29♑ 5 | 26°53 | 24°45 | 29°45 | 10°53 | 9°40 | 22°40 | 12°10 | 8°42 | 8°28 | 29°14 | 28°15 | F 28 |
| S 29 | 8 33 34 | 8°41'03 | 16° 8 | 28° 2 | 28° 8 | 25°31 | 29°37 | 11° 1 | 9°37 | 22°42 | 12°10 | 8°31 | 8°25 | 29°21 | 28°16 | S 29 |
| S 30 | 8 37 30 | 9°42'06 | 29°39 | 27° 8 | 29°23 | 26°17 | 29°29 | 11° 8 | 9°34 | 22°44 | 12° 9 | 8°19 | 8°21 | 29°27 | 28°17 | S 30 |
| M31 | 8 41 27 | 10♒43'09 | 12♌56 | 26♑23 | 0♓38 | 27♓ 4 | 29♋21 | 11♒15 | 9♌32 | 22♐45 | 12♎ 9 | 8♏ 5 | 8♏18 | 29♎34 | 28♈18 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s55 | 18n55 | 4s12 | 22s23 | 2s 7 | 22s24 | 1s 4 | 11s 4 | 1s 6 | 19n33 | 0n14 | 18s33 | 0s20 | 18n 3 | 0n38 | 21s38 | 1n26 | 9n45 | 15n47 | 15s 9 | 14s42 | 11s13 | 10n42 | 0s 3 |
| S 2 | 22 51 | 16 57 | 4 46 | 22 1 | 2 3 | 22 13 | 1 6 | 10 47 | 1 6 | 19 35 | 0 14 | 18 31 | 0 20 | 18 4 | 0 38 | 21 38 | 1 26 | 9 46 | 15 48 | 15 6 | 14 41 | 11 14 | 10 41 | 0 3 |
| M 3 | 22 45 | 14 6 | 5 2 | 21 39 | 1 58 | 22 1 | 1 7 | 10 29 | 1 5 | 19 36 | 0 14 | 18 30 | 0 20 | 18 4 | 0 38 | 21 38 | 1 26 | 9 46 | 15 48 | 15 2 | 14 40 | 11 16 | 10 41 | 0 3 |
| T 4 | 22 40 | 10 35 | 5 2 | 21 16 | 1 52 | 21 49 | 1 9 | 10 11 | 1 4 | 19 38 | 0 14 | 18 28 | 0 20 | 18 5 | 0 38 | 21 38 | 1 26 | 9 46 | 15 49 | 14 59 | 14 39 | 11 18 | 10 41 | 0 3 |
| W 5 | 22 33 | 6 40 | 4 46 | 20 53 | 1 46 | 21 36 | 1 11 | 9 53 | 1 3 | 19 40 | 0 14 | 18 26 | 0 20 | 18 6 | 0 38 | 21 38 | 1 26 | 9 47 | 15 49 | 14 56 | 14 38 | 11 19 | 10 41 | 0 3 |
| T 6 | 22 27 | 2 34 | 4 16 | 20 28 | 1 38 | 21 22 | 1 12 | 9 35 | 1 2 | 19 42 | 0 14 | 18 24 | 0 20 | 18 6 | 0 38 | 21 39 | 1 26 | 9 47 | 15 50 | 14 54 | 14 37 | 11 21 | 10 41 | 0 3 |
| F 7 | 22 20 | 1s32 | 3 36 | 20 4 | 1 29 | 21 8 | 1 14 | 9 17 | 1 1 | 19 44 | 0 15 | 18 23 | 0 20 | 18 7 | 0 38 | 21 39 | 1 26 | 9 48 | 15 50 | 14 53 | 14 36 | 11 22 | 10 41 | 0 3 |
| S 8 | 22 12 | 5 31 | 2 46 | 19 39 | 1 20 | 20 53 | 1 16 | 8 59 | 1 0 | 19 45 | 0 15 | 18 21 | 0 20 | 18 7 | 0 38 | 21 39 | 1 26 | 9 48 | 15 51 | 14 52 | 14 35 | 11 24 | 10 41 | 0 3 |
| S 9 | 22 4 | 9 15 | 1 50 | 19 14 | 1 9 | 20 37 | 1 17 | 8 41 | 1 0 | 19 47 | 0 15 | 18 19 | 0 20 | 18 8 | 0 38 | 21 39 | 1 26 | 9 49 | 15 52 | 14 52 | 14 34 | 11 25 | 10 41 | 0 3 |
| M10 | 21 56 | 12 35 | 0 49 | 18 50 | 0 57 | 20 21 | 1 18 | 8 23 | 0 59 | 19 49 | 0 15 | 18 18 | 0 20 | 18 9 | 0 38 | 21 39 | 1 26 | 9 49 | 15 52 | 14 52 | 14 33 | 11 27 | 10 41 | 0 4 |
| T 11 | 21 47 | 15 27 | 0n14 | 18 26 | 0 44 | 20 4 | 1 20 | 8 4 | 0 58 | 19 51 | 0 15 | 18 16 | 0 20 | 18 9 | 0 38 | 21 39 | 1 26 | 9 49 | 15 53 | 14 52 | 14 32 | 11 29 | 10 41 | 0 4 |
| W12 | 21 38 | 17 40 | 1 17 | 18 3 | 0 30 | 19 46 | 1 21 | 7 46 | 0 57 | 19 53 | 0 15 | 18 14 | 0 20 | 18 10 | 0 38 | 21 39 | 1 26 | 9 50 | 15 53 | 14 52 | 14 31 | 11 30 | 10 41 | 0 4 |
| T 13 | 21 28 | 19 8 | 2 17 | 17 41 | 0 15 | 19 28 | 1 22 | 7 27 | 0 56 | 19 55 | 0 15 | 18 12 | 0 20 | 18 11 | 0 38 | 21 39 | 1 26 | 9 50 | 15 54 | 14 51 | 14 30 | 11 32 | 10 41 | 0 4 |
| F 14 | 21 18 | 19 43 | 3 12 | 17 21 | 0n 1 | 19 10 | 1 24 | 7 9 | 0 55 | 19 57 | 0 16 | 18 11 | 0 20 | 18 11 | 0 38 | 21 39 | 1 26 | 9 51 | 15 54 | 14 49 | 14 29 | 11 33 | 10 41 | 0 4 |
| S 15 | 21 7 | 19 19 | 3 59 | 17 2 | 0 18 | 18 51 | 1 25 | 6 50 | 0 54 | 19 59 | 0 16 | 18 9 | 0 20 | 18 12 | 0 38 | 21 40 | 1 26 | 9 51 | 15 55 | 14 46 | 14 28 | 11 35 | 10 41 | 0 4 |
| S 16 | 20 56 | 17 54 | 4 34 | 16 46 | 0 36 | 18 31 | 1 26 | 6 31 | 0 53 | 20 1 | 0 16 | 18 7 | 0 21 | 18 13 | 0 38 | 21 40 | 1 26 | 9 52 | 15 55 | 14 42 | 14 27 | 11 36 | 10 41 | 0 4 |
| M17 | 20 45 | 15 29 | 4 55 | 16 32 | 0 55 | 18 11 | 1 27 | 6 13 | 0 53 | 20 2 | 0 16 | 18 5 | 0 21 | 18 14 | 0 38 | 21 40 | 1 26 | 9 53 | 15 56 | 14 39 | 14 26 | 11 38 | 10 41 | 0 4 |
| T 18 | 20 33 | 12 11 | 5 0 | 16 21 | 1 14 | 17 50 | 1 28 | 5 54 | 0 52 | 20 4 | 0 16 | 18 3 | 0 21 | 18 14 | 0 38 | 21 40 | 1 26 | 9 53 | 15 57 | 14 34 | 14 25 | 11 40 | 10 41 | 0 4 |
| W19 | 20 21 | 8 11 | 4 48 | 16 13 | 1 33 | 17 29 | 1 29 | 5 35 | 0 51 | 20 6 | 0 16 | 18 2 | 0 21 | 18 15 | 0 38 | 21 40 | 1 26 | 9 54 | 15 57 | 14 31 | 14 24 | 11 41 | 10 41 | 0 4 |
| T 20 | 20 9 | 3 42 | 4 18 | 16 8 | 1 52 | 17 7 | 1 30 | 5 16 | 0 50 | 20 8 | 0 16 | 18 0 | 0 21 | 18 16 | 0 38 | 21 40 | 1 26 | 9 54 | 15 58 | 14 28 | 14 23 | 11 43 | 10 41 | 0 4 |
| F 21 | 19 56 | 1n 1 | 3 32 | 16 6 | 2 10 | 16 45 | 1 30 | 4 57 | 0 49 | 20 10 | 0 17 | 17 58 | 0 21 | 18 16 | 0 38 | 21 40 | 1 26 | 9 55 | 15 58 | 14 25 | 14 22 | 11 44 | 10 41 | 0 4 |
| S 22 | 19 42 | 5 42 | 2 34 | 16 7 | 2 27 | 16 23 | 1 31 | 4 38 | 0 48 | 20 12 | 0 17 | 17 56 | 0 21 | 18 17 | 0 38 | 21 40 | 1 26 | 9 55 | 15 59 | 14 24 | 14 21 | 11 46 | 10 42 | 0 4 |
| S 23 | 19 29 | 10 4 | 1 25 | 16 11 | 2 42 | 15 59 | 1 32 | 4 19 | 0 47 | 20 14 | 0 17 | 17 54 | 0 21 | 18 18 | 0 38 | 21 40 | 1 26 | 9 56 | 15 59 | 14 24 | 14 20 | 11 47 | 10 42 | 0 4 |
| M24 | 19 15 | 13 51 | 0 12 | 16 17 | 2 55 | 15 36 | 1 32 | 4 0 | 0 46 | 20 16 | 0 17 | 17 52 | 0 21 | 18 18 | 0 38 | 21 40 | 1 26 | 9 57 | 16 0 | 14 24 | 14 19 | 11 49 | 10 42 | 0 5 |
| T 25 | 19 0 | 16 50 | 1s 2 | 16 24 | 3 6 | 15 12 | 1 33 | 3 41 | 0 46 | 20 17 | 0 17 | 17 51 | 0 21 | 18 19 | 0 38 | 21 40 | 1 26 | 9 57 | 16 0 | 14 24 | 14 18 | 11 50 | 10 42 | 0 5 |
| W26 | 18 46 | 18 48 | 2 12 | 16 34 | 3 14 | 14 48 | 1 33 | 3 22 | 0 45 | 20 19 | 0 17 | 17 49 | 0 21 | 18 20 | 0 38 | 21 40 | 1 26 | 9 58 | 16 1 | 14 23 | 14 17 | 11 52 | 10 43 | 0 5 |
| T 27 | 18 31 | 19 37 | 3 13 | 16 44 | 3 20 | 14 23 | 1 34 | 3 3 | 0 44 | 20 21 | 0 17 | 17 47 | 0 21 | 18 21 | 0 38 | 21 40 | 1 26 | 9 59 | 16 1 | 14 22 | 14 16 | 11 54 | 10 43 | 0 5 |
| F 28 | 18 15 | 19 15 | 4 3 | 16 55 | 3 23 | 13 58 | 1 34 | 2 44 | 0 43 | 20 23 | 0 17 | 17 45 | 0 21 | 18 21 | 0 38 | 21 41 | 1 26 | 9 59 | 16 2 | 14 19 | 14 15 | 11 55 | 10 43 | 0 5 |
| S 29 | 18 0 | 17 45 | 4 38 | 17 7 | 3 24 | 13 32 | 1 34 | 2 25 | 0 42 | 20 25 | 0 18 | 17 43 | 0 21 | 18 22 | 0 38 | 21 41 | 1 26 | 10 0 | 16 2 | 14 16 | 14 14 | 11 57 | 10 44 | 0 5 |
| S 30 | 17 44 | 15 17 | 4 57 | 17 18 | 3 23 | 13 6 | 1 34 | 2 6 | 0 41 | 20 26 | 0 18 | 17 41 | 0 21 | 18 23 | 0 38 | 21 41 | 1 26 | 10 0 | 16 3 | 14 12 | 14 13 | 11 58 | 10 44 | 0 5 |
| M31 | 17s27 | 12n 3 | 4s59 | 17s30 | 3n19 | 12s40 | 1s34 | 1s47 | 0s40 | 20n28 | 0n18 | 17s39 | 0s22 | 18n23 | 0n38 | 21s41 | 1n26 | 10n 1 | 16n 3 | 14s 8 | 14s12 | 12s 0 | 10n44 | 0s 5 |

Julian Day Number = 2803273.5, Delta T = 50m56s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'13, Lahiri = 37°20'13


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# ASTRODIENST EPHEMERIS for the year 2963
# geocentric

## FEBRUARY 2963 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 45 23 | 11♒44'11 | 25♌58 | 25°R48 | 1♓53 | 27♓50 | 29°R13 | 11♒22 | 9°R29 | 22♐47 | 12°R 8 | 7°R52 | 8♏15 | 29♎40 | 28♈20 | T 1 |
| W 2 | 8 49 20 | 12°45'14 | 8♍41 | 25♉22 | 3° 8 | 28°36 | 29♋ 5 | 11°29 | 9♌26 | 22°49 | 12♎ 8 | 7♏40 | 8°12 | 29°47 | 28°21 | W 2 |
| T 3 | 8 53 16 | 13°46'15 | 21° 8 | 25° 6 | 4°23 | 29°23 | 28°58 | 11°36 | 9°24 | 22°50 | 12° 7 | 7°30 | 8° 9 | 29°54 | 28°22 | T 3 |
| F 4 | 8 57 13 | 14°47'17 | 3♎20 | 24°D59 | 5°38 | 0♈ 9 | 28°50 | 11°43 | 9°21 | 22°52 | 12° 6 | 7°23 | 8° 5 | 0♏ 0 | 28°24 | F 4 |
| S 5 | 9 1 10 | 15°48'18 | 15°19 | 25° 0 | 6°53 | 0°55 | 28°43 | 11°51 | 9°19 | 22°53 | 12° 6 | 7°18 | 8° 2 | 0° 7 | 28°25 | S 5 |
| S 6 | 9 5 6 | 16°49'19 | 27° 9 | 25° 9 | 8° 7 | 1°41 | 28°35 | 11°58 | 9°16 | 22°55 | 12° 5 | 7°17 | 7°59 | 0°14 | 28°27 | S 6 |
| M 7 | 9 9 3 | 17°50'19 | 8♏57 | 25°25 | 9°22 | 2°27 | 28°28 | 12° 5 | 9°14 | 22°56 | 12° 4 | 7°D16 | 7°56 | 0°20 | 28°28 | M 7 |
| T 8 | 9 12 59 | 18°51'19 | 20°46 | 25°48 | 10°37 | 3°14 | 28°21 | 12°12 | 9°11 | 22°58 | 12° 3 | 7°R16 | 7°53 | 0°27 | 28°30 | T 8 |
| W 9 | 9 16 56 | 19°52'19 | 2♐43 | 26°17 | 11°52 | 4° 0 | 28°14 | 12°19 | 9° 8 | 22°59 | 12° 3 | 7°16 | 7°50 | 0°34 | 28°32 | W 9 |
| T 10 | 9 20 52 | 20°53'18 | 14°53 | 26°52 | 13° 7 | 4°46 | 28° 7 | 12°26 | 9° 6 | 23° 1 | 12° 2 | 7°13 | 7°46 | 0°40 | 28°33 | T 10 |
| F 11 | 9 24 49 | 21°54'17 | 27°21 | 27°32 | 14°22 | 5°32 | 28° 0 | 12°33 | 9° 3 | 23° 2 | 12° 1 | 7° 8 | 7°43 | 0°47 | 28°35 | F 11 |
| S 12 | 9 28 45 | 22°55'15 | 10♑11 | 28°16 | 15°36 | 6°18 | 27°53 | 12°40 | 9° 1 | 23° 3 | 12° 0 | 7° 1 | 7°40 | 0°54 | 28°37 | S 12 |
| S 13 | 9 32 42 | 23°56'12 | 23°24 | 29° 4 | 16°51 | 7° 4 | 27°47 | 12°47 | 8°58 | 23° 5 | 11°59 | 6°51 | 7°37 | 1° 0 | 28°39 | S 13 |
| M14 | 9 36 39 | 24°57'09 | 7♒ 2 | 29°56 | 18° 6 | 7°50 | 27°40 | 12°54 | 8°56 | 23° 6 | 11°58 | 6°39 | 7°34 | 1° 7 | 28°41 | M14 |
| T 15 | 9 40 35 | 25°58'05 | 21° 2 | 0♒52 | 19°20 | 8°36 | 27°34 | 13° 2 | 8°53 | 23° 7 | 11°57 | 6°27 | 7°30 | 1°14 | 28°43 | T 15 |
| W16 | 9 44 32 | 26°59'00 | 5♓19 | 1°51 | 20°35 | 9°22 | 27°28 | 13° 9 | 8°51 | 23° 9 | 11°56 | 6°16 | 7°27 | 1°20 | 28°45 | W16 |
| T 17 | 9 48 28 | 27°59'54 | 19°48 | 2°52 | 21°50 | 10° 8 | 27°22 | 13°16 | 8°48 | 23°10 | 11°55 | 6° 7 | 7°24 | 1°27 | 28°47 | T 17 |
| F 18 | 9 52 25 | 29° 0'47 | 4♈21 | 3°56 | 23° 4 | 10°54 | 27°16 | 13°23 | 8°46 | 23°11 | 11°54 | 6° 1 | 7°21 | 1°33 | 28°49 | F 18 |
| S 19 | 9 56 21 | 0♓ 1'38 | 18°52 | 5° 2 | 24°19 | 11°40 | 27°10 | 13°29 | 8°44 | 23°12 | 11°53 | 5°57 | 7°18 | 1°40 | 28°51 | S 19 |
| S 20 | 10 0 18 | 1° 2'29 | 3♉16 | 6°11 | 25°33 | 12°26 | 27° 4 | 13°36 | 8°41 | 23°13 | 11°52 | 5°D56 | 7°15 | 1°47 | 28°53 | S 20 |
| M21 | 10 4 14 | 2° 3'18 | 17°31 | 7°21 | 26°48 | 13°12 | 26°59 | 13°43 | 8°39 | 23°14 | 11°51 | 5°56 | 7°11 | 1°53 | 28°56 | M21 |
| T 22 | 10 8 11 | 3° 4'06 | 1♊35 | 8°34 | 28° 2 | 13°58 | 26°54 | 13°50 | 8°37 | 23°15 | 11°49 | 5°R57 | 7° 8 | 2° 0 | 28°58 | T 22 |
| W23 | 10 12 8 | 4° 4'52 | 15°27 | 9°48 | 29°17 | 14°44 | 26°48 | 13°57 | 8°34 | 23°16 | 11°48 | 5°56 | 7° 5 | 2° 7 | 29° 0 | W23 |
| T 24 | 10 16 4 | 5° 5'37 | 29° 7 | 11° 4 | 0♈31 | 15°29 | 26°43 | 14° 4 | 8°32 | 23°17 | 11°47 | 5°53 | 7° 2 | 2°13 | 29° 3 | T 24 |
| F 25 | 10 20 1 | 6° 6'20 | 12♋36 | 12°21 | 1°46 | 16°15 | 26°39 | 14°11 | 8°30 | 23°18 | 11°46 | 5°48 | 6°59 | 2°20 | 29° 5 | F 25 |
| S 26 | 10 23 57 | 7° 7'02 | 25°54 | 13°39 | 3° 0 | 17° 1 | 26°34 | 14°18 | 8°28 | 23°19 | 11°44 | 5°41 | 6°56 | 2°27 | 29° 7 | S 26 |
| S 27 | 10 27 54 | 8° 7'42 | 9♌ 0 | 14°59 | 4°14 | 17°46 | 26°30 | 14°24 | 8°25 | 23°20 | 11°43 | 5°31 | 6°52 | 2°33 | 29°10 | S 27 |
| M28 | 10 31 50 | 9♓ 8'21 | 21♌54 | 16♒21 | 5♈29 | 18♈32 | 26♋25 | 14♒31 | 8♌23 | 23♐21 | 11♎42 | 5♏21 | 6♏49 | 2♏40 | 29♈12 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s11 | 8n19 | 4s46 | 17s41 | 3n14 | 12s13 | 1s35 | 1s28 | 0s39 | 20n30 | 0n18 | 17s37 | 0s22 | 18n24 | 0n38 | 21s41 | 1n26 | 10n 2 | 16n 4 | 14s 3 | 14s11 | 12s 1 | 10n45 | 0s 5 |
| W 2 | 16 54 | 4 17 | 4 18 | 17 52 | 3 8 | 11 46 | 1 34 | 1 9 | 0 39 | 20 32 | 0 18 | 17 36 | 0 22 | 18 25 | 0 38 | 21 41 | 1 26 | 10 3 | 16 4 | 14 0 | 14 10 | 12 3 | 10 45 | 0 5 |
| T 3 | 16 36 | 0 9 | 3 38 | 18 3 | 3 0 | 11 19 | 1 34 | 0 49 | 0 38 | 20 33 | 0 18 | 17 34 | 0 22 | 18 25 | 0 38 | 21 41 | 1 26 | 10 3 | 16 5 | 13 56 | 14 9 | 12 4 | 10 45 | 0 5 |
| F 4 | 16 19 | 3s55 | 2 50 | 18 13 | 2 51 | 10 52 | 1 34 | 0 30 | 0 37 | 20 35 | 0 18 | 17 32 | 0 22 | 18 26 | 0 38 | 21 41 | 1 26 | 10 4 | 16 5 | 13 54 | 14 8 | 12 6 | 10 46 | 0 5 |
| S 5 | 16 1 | 7 45 | 1 54 | 18 22 | 2 42 | 10 24 | 1 34 | 0 11 | 0 36 | 20 36 | 0 18 | 17 30 | 0 22 | 18 27 | 0 38 | 21 41 | 1 27 | 10 5 | 16 6 | 13 53 | 14 7 | 12 7 | 10 46 | 0 5 |
| S 6 | 15 43 | 11 14 | 0 53 | 18 30 | 2 32 | 9 56 | 1 34 | 0n 8 | 0 35 | 20 38 | 0 18 | 17 28 | 0 22 | 18 27 | 0 38 | 21 41 | 1 27 | 10 5 | 16 6 | 13 52 | 14 6 | 12 9 | 10 47 | 0 5 |
| M 7 | 15 24 | 14 16 | 0n 9 | 18 37 | 2 22 | 9 27 | 1 33 | 0 27 | 0 34 | 20 40 | 0 19 | 17 26 | 0 22 | 18 28 | 0 38 | 21 41 | 1 27 | 10 6 | 16 7 | 13 52 | 14 5 | 12 10 | 10 47 | 0 6 |
| T 8 | 15 6 | 16 42 | 1 11 | 18 43 | 2 11 | 8 59 | 1 33 | 0 46 | 0 33 | 20 41 | 0 19 | 17 24 | 0 22 | 18 29 | 0 38 | 21 41 | 1 27 | 10 7 | 16 7 | 13 52 | 14 4 | 12 12 | 10 48 | 0 6 |
| W 9 | 14 47 | 18 27 | 2 11 | 18 49 | 2 0 | 8 30 | 1 32 | 1 5 | 0 33 | 20 43 | 0 19 | 17 22 | 0 22 | 18 30 | 0 38 | 21 41 | 1 27 | 10 8 | 16 8 | 13 52 | 14 3 | 12 13 | 10 48 | 0 6 |
| T 10 | 14 27 | 19 23 | 3 6 | 18 53 | 1 49 | 8 1 | 1 32 | 1 24 | 0 32 | 20 44 | 0 19 | 17 20 | 0 22 | 18 30 | 0 38 | 21 41 | 1 27 | 10 8 | 16 8 | 13 51 | 14 2 | 12 15 | 10 49 | 0 6 |
| F 11 | 14 8 | 19 24 | 3 53 | 18 56 | 1 38 | 7 31 | 1 31 | 1 43 | 0 31 | 20 46 | 0 19 | 17 18 | 0 22 | 18 31 | 0 38 | 21 41 | 1 27 | 10 9 | 16 9 | 13 49 | 14 1 | 12 16 | 10 50 | 0 6 |
| S 12 | 13 48 | 18 26 | 4 30 | 18 58 | 1 27 | 7 2 | 1 30 | 2 2 | 0 30 | 20 47 | 0 19 | 17 16 | 0 22 | 18 32 | 0 38 | 21 41 | 1 27 | 10 10 | 16 9 | 13 47 | 14 0 | 12 18 | 10 50 | 0 6 |
| S 13 | 13 28 | 16 28 | 4 54 | 18 59 | 1 17 | 6 32 | 1 29 | 2 21 | 0 29 | 20 49 | 0 19 | 17 15 | 0 22 | 18 32 | 0 38 | 21 41 | 1 27 | 10 11 | 16 10 | 13 44 | 13 59 | 12 19 | 10 51 | 0 6 |
| M14 | 13 8 | 13 32 | 5 2 | 18 59 | 1 6 | 6 2 | 1 28 | 2 40 | 0 28 | 20 50 | 0 19 | 17 13 | 0 23 | 18 33 | 0 38 | 21 41 | 1 27 | 10 11 | 16 10 | 13 40 | 13 58 | 12 21 | 10 51 | 0 6 |
| T 15 | 12 48 | 9 47 | 4 52 | 18 57 | 0 55 | 5 32 | 1 27 | 2 58 | 0 27 | 20 51 | 0 19 | 17 11 | 0 23 | 18 33 | 0 38 | 21 41 | 1 27 | 10 12 | 16 11 | 13 36 | 13 57 | 12 22 | 10 52 | 0 6 |
| W16 | 12 27 | 5 24 | 4 25 | 18 55 | 0 45 | 5 2 | 1 26 | 3 17 | 0 27 | 20 53 | 0 19 | 17 9 | 0 23 | 18 34 | 0 38 | 21 41 | 1 27 | 10 13 | 16 11 | 13 32 | 13 56 | 12 24 | 10 53 | 0 6 |
| T 17 | 12 6 | 0 39 | 3 40 | 18 51 | 0 35 | 4 32 | 1 25 | 3 36 | 0 26 | 20 54 | 0 20 | 17 7 | 0 23 | 18 35 | 0 38 | 21 41 | 1 27 | 10 14 | 16 11 | 13 29 | 13 55 | 12 25 | 10 53 | 0 6 |
| F 18 | 11 45 | 4n10 | 2 40 | 18 46 | 0 25 | 4 2 | 1 24 | 3 55 | 0 25 | 20 55 | 0 20 | 17 5 | 0 23 | 18 35 | 0 38 | 21 41 | 1 27 | 10 15 | 16 12 | 13 27 | 13 54 | 12 27 | 10 54 | 0 6 |
| S 19 | 11 24 | 8 44 | 1 30 | 18 40 | 0 15 | 3 31 | 1 23 | 4 13 | 0 24 | 20 56 | 0 20 | 17 3 | 0 23 | 18 36 | 0 38 | 21 41 | 1 27 | 10 15 | 16 12 | 13 26 | 13 52 | 12 28 | 10 55 | 0 6 |
| S 20 | 11 3 | 12 46 | 0 14 | 18 32 | 0 6 | 3 0 | 1 22 | 4 32 | 0 23 | 20 57 | 0 20 | 17 1 | 0 23 | 18 37 | 0 38 | 21 41 | 1 27 | 10 16 | 16 13 | 13 26 | 13 51 | 12 29 | 10 55 | 0 6 |
| M21 | 10 41 | 15 59 | 1s 2 | 18 24 | 0s 4 | 2 30 | 1 20 | 4 50 | 0 22 | 20 59 | 0 20 | 16 59 | 0 23 | 18 37 | 0 38 | 21 41 | 1 27 | 10 17 | 16 13 | 13 26 | 13 50 | 12 31 | 10 56 | 0 6 |
| T 22 | 10 20 | 18 12 | 2 13 | 18 14 | 0 12 | 1 59 | 1 19 | 5 9 | 0 22 | 21 0 | 0 20 | 16 57 | 0 23 | 18 38 | 0 38 | 21 41 | 1 27 | 10 18 | 16 13 | 13 26 | 13 49 | 12 32 | 10 57 | 0 7 |
| W23 | 9 58 | 19 18 | 3 15 | 18 2 | 0 21 | 1 28 | 1 17 | 5 27 | 0 21 | 21 1 | 0 20 | 16 55 | 0 23 | 18 38 | 0 38 | 21 41 | 1 27 | 10 19 | 16 14 | 13 26 | 13 48 | 12 34 | 10 58 | 0 7 |
| T 24 | 9 36 | 19 14 | 4 5 | 17 50 | 0 30 | 0 57 | 1 16 | 5 46 | 0 20 | 21 2 | 0 20 | 16 54 | 0 23 | 18 39 | 0 38 | 21 41 | 1 27 | 10 19 | 16 14 | 13 25 | 13 47 | 12 35 | 10 58 | 0 7 |
| F 25 | 9 13 | 18 4 | 4 40 | 17 37 | 0 38 | 0 26 | 1 14 | 6 4 | 0 19 | 21 3 | 0 20 | 16 52 | 0 23 | 18 40 | 0 38 | 21 42 | 1 27 | 10 20 | 16 15 | 13 23 | 13 46 | 12 37 | 10 59 | 0 7 |
| S 26 | 8 51 | 15 56 | 5 0 | 17 22 | 0 45 | 0n 5 | 1 12 | 6 22 | 0 18 | 21 4 | 0 20 | 16 50 | 0 24 | 18 40 | 0 38 | 21 42 | 1 27 | 10 21 | 16 15 | 13 21 | 13 45 | 12 38 | 11 0 | 0 7 |
| S 27 | 8 29 | 13 1 | 5 4 | 17 6 | 0 53 | 0 36 | 1 11 | 6 40 | 0 17 | 21 5 | 0 20 | 16 48 | 0 24 | 18 41 | 0 38 | 21 42 | 1 27 | 10 22 | 16 15 | 13 18 | 13 44 | 12 40 | 11 1 | 0 7 |
| M28 | 8s 6 | 9n31 | 4s52 | 16s49 | 1s 0 | 1n 7 | 1s 9 | 6n58 | 0s17 | 21n 6 | 0n20 | 16s46 | 0s24 | 18n41 | 0n38 | 21s42 | 1n27 | 10n23 | 16n16 | 13s14 | 13s43 | 12s41 | 11n 2 | 0s 7 |

Julian Day Number = 2803304.5, Delta T = 50m56s
Ecliptic obliquity = 23°18'45, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'17, Lahiri = 37°20'17


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# ASTRODIENST EPHEMERIS for the year 2963
# geocentric

## MARCH 2963 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 35 47 | 10♓ 8'58 | 4♍35 | 17♒43 | 6♈43 | 19♈18 | 26°R21 | 14♒38 | 8°R21 | 23♐22 | 11°R41 | 5°R10 | 6♏46 | 2♏47 | 29♈15 | T 1 |
| W 2 | 10 39 43 | 11° 9'34 | 17° 4 | 19° 7 | 7°57 | 20° 3 | 26♋17 | 14°44 | 8♌19 | 23°23 | 11♎39 | 5♏ 1 | 6°43 | 2°53 | 29°18 | W 2 |
| T 3 | 10 43 40 | 12°10'09 | 29°20 | 20°32 | 9°11 | 20°49 | 26°14 | 14°51 | 8°17 | 23°24 | 11°38 | 4°53 | 6°40 | 3° 0 | 29°20 | T 3 |
| F 4 | 10 47 36 | 13°10'42 | 11♎24 | 21°58 | 10°25 | 21°34 | 26°10 | 14°58 | 8°15 | 23°24 | 11°36 | 4°48 | 6°36 | 3° 6 | 29°23 | F 4 |
| S 5 | 10 51 33 | 14°11'14 | 23°20 | 23°25 | 11°39 | 22°20 | 26° 7 | 15° 4 | 8°13 | 23°25 | 11°35 | 4°45 | 6°33 | 3°13 | 29°26 | S 5 |
| S 6 | 10 55 30 | 15°11'45 | 5♏ 9 | 24°53 | 12°53 | 23° 5 | 26° 3 | 15°11 | 8°11 | 23°26 | 11°34 | 4°D44 | 6°30 | 3°20 | 29°28 | S 6 |
| M 7 | 10 59 26 | 16°12'15 | 16°56 | 26°22 | 14° 7 | 23°50 | 26° 0 | 15°17 | 8° 9 | 23°26 | 11°32 | 4°44 | 6°27 | 3°26 | 29°31 | M 7 |
| T 8 | 11 3 23 | 17°12'43 | 28°45 | 27°52 | 15°21 | 24°36 | 25°58 | 15°24 | 8° 7 | 23°27 | 11°31 | 4°46 | 6°24 | 3°33 | 29°34 | T 8 |
| W 9 | 11 7 19 | 18°13'10 | 10♐40 | 29°23 | 16°35 | 25°21 | 25°55 | 15°30 | 8° 6 | 23°28 | 11°29 | 4°47 | 6°21 | 3°40 | 29°37 | W 9 |
| T 10 | 11 11 16 | 19°13'36 | 22°49 | 0♓55 | 17°49 | 26° 6 | 25°53 | 15°36 | 8° 4 | 23°28 | 11°28 | 4°R47 | 6°17 | 3°46 | 29°40 | T 10 |
| F 11 | 11 15 12 | 20°14'00 | 5♑14 | 2°28 | 19° 2 | 26°52 | 25°50 | 15°43 | 8° 2 | 23°29 | 11°26 | 4°46 | 6°14 | 3°53 | 29°43 | F 11 |
| S 12 | 11 19 9 | 21°14'23 | 18° 2 | 4° 2 | 20°16 | 27°37 | 25°48 | 15°49 | 8° 0 | 23°29 | 11°25 | 4°43 | 6°11 | 4° 0 | 29°45 | S 12 |
| S 13 | 11 23 5 | 22°14'45 | 1♒16 | 5°37 | 21°30 | 28°22 | 25°47 | 15°55 | 7°59 | 23°30 | 11°23 | 4°38 | 6° 8 | 4° 6 | 29°48 | S 13 |
| M14 | 11 27 2 | 23°15'06 | 14°56 | 7°13 | 22°43 | 29° 7 | 25°45 | 16° 2 | 7°57 | 23°30 | 11°22 | 4°32 | 6° 5 | 4°13 | 29°51 | M14 |
| T 15 | 11 30 59 | 24°15'25 | 29° 4 | 8°50 | 23°57 | 29°52 | 25°44 | 16° 8 | 7°55 | 23°30 | 11°20 | 4°25 | 6° 2 | 4°20 | 29°54 | T 15 |
| W16 | 11 34 55 | 25°15'42 | 13♓34 | 10°28 | 25°10 | 0♉37 | 25°42 | 16°14 | 7°54 | 23°31 | 11°19 | 4°19 | 5°58 | 4°26 | 29°58 | W16 |
| T 17 | 11 38 52 | 26°15'58 | 28°21 | 12° 8 | 26°24 | 1°22 | 25°41 | 16°20 | 7°52 | 23°31 | 11°17 | 4°13 | 5°55 | 4°33 | 0♉ 1 | T 17 |
| F 18 | 11 42 48 | 27°16'12 | 13♈17 | 13°48 | 27°37 | 2° 7 | 25°41 | 16°26 | 7°51 | 23°31 | 11°16 | 4°10 | 5°52 | 4°39 | 0° 4 | F 18 |
| S 19 | 11 46 45 | 28°16'24 | 28°14 | 15°29 | 28°51 | 2°52 | 25°40 | 16°32 | 7°50 | 23°31 | 11°14 | 4°D 8 | 5°49 | 4°46 | 0° 7 | S 19 |
| S 20 | 11 50 41 | 29°16'34 | 13♉ 3 | 17°11 | 0♉ 4 | 3°37 | 25°39 | 16°38 | 7°48 | 23°32 | 11°13 | 4° 9 | 5°46 | 4°53 | 0°10 | S 20 |
| M21 | 11 54 38 | 0♈16'43 | 27°38 | 18°55 | 1°17 | 4°22 | 25°39 | 16°44 | 7°47 | 23°32 | 11°11 | 4°10 | 5°42 | 4°59 | 0°13 | M21 |
| T 22 | 11 58 34 | 1°16'49 | 11♊56 | 20°39 | 2°31 | 5° 7 | 25°D39 | 16°49 | 7°46 | 23°32 | 11° 9 | 4°11 | 5°39 | 5° 6 | 0°16 | T 22 |
| W23 | 12 2 31 | 2°16'53 | 25°54 | 22°24 | 3°44 | 5°51 | 25°39 | 16°55 | 7°44 | 23°32 | 11° 8 | 4°R12 | 5°36 | 5°13 | 0°20 | W23 |
| T 24 | 12 6 28 | 3°16'55 | 9♋33 | 24°11 | 4°57 | 6°36 | 25°40 | 17° 1 | 7°43 | 23°32 | 11° 6 | 4°12 | 5°33 | 5°19 | 0°23 | T 24 |
| F 25 | 12 10 24 | 4°16'55 | 22°54 | 25°59 | 6°10 | 7°21 | 25°40 | 17° 6 | 7°42 | 23°32 | 11° 4 | 4°11 | 5°30 | 5°26 | 0°26 | F 25 |
| S 26 | 12 14 21 | 5°16'53 | 5♌57 | 27°48 | 7°23 | 8° 5 | 25°41 | 17°12 | 7°41 | 23°R32 | 11° 3 | 4° 8 | 5°27 | 5°33 | 0°30 | S 26 |
| S 27 | 12 18 17 | 6°16'49 | 18°45 | 29°38 | 8°36 | 8°50 | 25°42 | 17°17 | 7°40 | 23°32 | 11° 1 | 4° 4 | 5°23 | 5°39 | 0°33 | S 27 |
| M28 | 12 22 14 | 7°16'42 | 1♍20 | 1♈29 | 9°48 | 9°35 | 25°43 | 17°23 | 7°39 | 23°32 | 11° 0 | 4° 0 | 5°20 | 5°46 | 0°36 | M28 |
| T 29 | 12 26 10 | 8°16'34 | 13°43 | 3°21 | 11° 1 | 10°19 | 25°45 | 17°28 | 7°38 | 23°32 | 10°58 | 3°55 | 5°17 | 5°53 | 0°40 | T 29 |
| W30 | 12 30 7 | 9°16'24 | 25°55 | 5°15 | 12°14 | 11° 3 | 25°46 | 17°34 | 7°37 | 23°32 | 10°56 | 3°51 | 5°14 | 5°59 | 0°43 | W30 |
| T 31 | 12 34 3 | 10♈16'11 | 7♎59 | 7♈ 9 | 13♉26 | 11♉48 | 25♋48 | 17♒39 | 7♌37 | 23♐32 | 10♎55 | 3♏48 | 5♏11 | 6♏ 6 | 0♉46 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 7s43 | 5n38 | 4s26 | 16s30 | 1s 7 | 1n38 | 1s 7 | 7n16 | 0s16 | 21n 6 | 0n21 | 16s44 | 0s24 | 18n42 | 0n38 | 21s42 | 1n27 | 10n23 | 16n16 | 13s11 | 13s42 | 12s43 | 11n 2 | 0s 7 | T 1 |
| W 2 | 7 21 | 1 35 | 3 47 | 16 11 | 1 14 | 2 9 | 1 5 | 7 34 | 0 15 | 21 7 | 0 21 | 16 42 | 0 24 | 18 42 | 0 38 | 21 42 | 1 27 | 10 24 | 16 16 | 13 7 | 13 41 | 12 44 | 11 3 | 0 7 | W 2 |
| T 3 | 6 58 | 2s28 | 2 59 | 15 50 | 1 20 | 2 40 | 1 3 | 7 52 | 0 14 | 21 8 | 0 21 | 16 41 | 0 24 | 18 43 | 0 38 | 21 42 | 1 28 | 10 25 | 16 17 | 13 5 | 13 40 | 12 45 | 11 4 | 0 7 | T 3 |
| F 4 | 6 35 | 6 22 | 2 2 | 15 28 | 1 26 | 3 10 | 1 1 | 8 10 | 0 13 | 21 9 | 0 21 | 16 39 | 0 24 | 18 43 | 0 38 | 21 41 | 1 28 | 10 26 | 16 17 | 13 3 | 13 39 | 12 47 | 11 5 | 0 7 | F 4 |
| S 5 | 6 11 | 9 58 | 1 1 | 15 5 | 1 31 | 3 41 | 0 58 | 8 27 | 0 13 | 21 9 | 0 21 | 16 37 | 0 24 | 18 44 | 0 38 | 21 41 | 1 28 | 10 27 | 16 17 | 13 2 | 13 38 | 12 48 | 11 6 | 0 7 | S 5 |
| S 6 | 5 48 | 13 8 | 0n 2 | 14 41 | 1 37 | 4 12 | 0 56 | 8 45 | 0 12 | 21 10 | 0 21 | 16 35 | 0 24 | 18 44 | 0 38 | 21 41 | 1 28 | 10 27 | 16 17 | 13 2 | 13 37 | 12 50 | 11 7 | 0 7 | S 6 |
| M 7 | 5 25 | 15 45 | 1 6 | 14 15 | 1 42 | 4 42 | 0 54 | 9 2 | 0 11 | 21 11 | 0 21 | 16 33 | 0 24 | 18 45 | 0 38 | 21 41 | 1 28 | 10 28 | 16 18 | 13 2 | 13 36 | 12 51 | 11 8 | 0 7 | M 7 |
| T 8 | 5 2 | 17 43 | 2 6 | 13 49 | 1 46 | 5 13 | 0 52 | 9 19 | 0 10 | 21 11 | 0 21 | 16 31 | 0 24 | 18 45 | 0 38 | 21 41 | 1 28 | 10 29 | 16 18 | 13 2 | 13 35 | 12 52 | 11 9 | 0 7 | T 8 |
| W 9 | 4 38 | 18 55 | 3 2 | 13 21 | 1 50 | 5 43 | 0 49 | 9 37 | 0 9 | 21 12 | 0 21 | 16 30 | 0 24 | 18 46 | 0 38 | 21 41 | 1 28 | 10 30 | 16 18 | 13 3 | 13 34 | 12 54 | 11 10 | 0 8 | W 9 |
| T 10 | 4 15 | 19 16 | 3 51 | 12 52 | 1 54 | 6 14 | 0 47 | 9 54 | 0 9 | 21 12 | 0 21 | 16 28 | 0 25 | 18 46 | 0 38 | 21 41 | 1 28 | 10 31 | 16 19 | 13 3 | 13 33 | 12 55 | 11 11 | 0 8 | T 10 |
| F 11 | 3 51 | 18 43 | 4 30 | 12 22 | 1 58 | 6 44 | 0 44 | 10 11 | 0 8 | 21 13 | 0 21 | 16 26 | 0 25 | 18 47 | 0 38 | 21 41 | 1 28 | 10 31 | 16 19 | 13 3 | 13 32 | 12 57 | 11 11 | 0 8 | F 11 |
| S 12 | 3 27 | 17 12 | 4 57 | 11 51 | 2 1 | 7 14 | 0 42 | 10 28 | 0 7 | 21 13 | 0 21 | 16 24 | 0 25 | 18 47 | 0 38 | 21 41 | 1 28 | 10 32 | 16 19 | 13 1 | 13 31 | 12 58 | 11 12 | 0 8 | S 12 |
| S 13 | 3 4 | 14 44 | 5 10 | 11 19 | 2 4 | 7 44 | 0 39 | 10 44 | 0 6 | 21 14 | 0 21 | 16 23 | 0 25 | 18 47 | 0 38 | 21 41 | 1 28 | 10 33 | 16 19 | 13 0 | 13 30 | 13 0 | 11 13 | 0 8 | S 13 |
| M14 | 2 40 | 11 24 | 5 5 | 10 46 | 2 6 | 8 14 | 0 37 | 11 1 | 0 5 | 21 14 | 0 21 | 16 21 | 0 25 | 18 48 | 0 38 | 21 41 | 1 28 | 10 34 | 16 20 | 12 58 | 13 29 | 13 1 | 11 14 | 0 8 | M14 |
| T 15 | 2 16 | 7 19 | 4 42 | 10 12 | 2 8 | 8 43 | 0 34 | 11 18 | 0 5 | 21 14 | 0 21 | 16 19 | 0 25 | 18 48 | 0 38 | 21 41 | 1 28 | 10 34 | 16 20 | 12 55 | 13 28 | 13 2 | 11 15 | 0 8 | T 15 |
| W16 | 1 52 | 2 43 | 4 1 | 9 36 | 2 10 | 9 12 | 0 31 | 11 34 | 0 4 | 21 15 | 0 21 | 16 17 | 0 25 | 18 49 | 0 38 | 21 41 | 1 28 | 10 35 | 16 20 | 12 53 | 13 27 | 13 4 | 11 16 | 0 8 | W16 |
| T 17 | 1 29 | 2n 9 | 3 3 | 9 0 | 2 11 | 9 41 | 0 28 | 11 50 | 0 3 | 21 15 | 0 22 | 16 16 | 0 25 | 18 49 | 0 38 | 21 41 | 1 28 | 10 36 | 16 20 | 12 52 | 13 25 | 13 5 | 11 17 | 0 8 | T 17 |
| F 18 | 1 5 | 6 56 | 1 51 | 8 22 | 2 12 | 10 10 | 0 26 | 12 7 | 0 2 | 21 15 | 0 22 | 16 14 | 0 25 | 18 49 | 0 38 | 21 41 | 1 28 | 10 37 | 16 20 | 12 50 | 13 24 | 13 7 | 11 18 | 0 8 | F 18 |
| S 19 | 0 41 | 11 17 | 0 32 | 7 44 | 2 12 | 10 39 | 0 23 | 12 23 | 0 2 | 21 15 | 0 22 | 16 12 | 0 25 | 18 50 | 0 38 | 21 41 | 1 28 | 10 38 | 16 20 | 12 50 | 13 23 | 13 8 | 11 19 | 0 8 | S 19 |
| S 20 | 0 17 | 14 54 | 0s49 | 7 4 | 2 12 | 11 7 | 0 20 | 12 39 | 0 1 | 21 15 | 0 22 | 16 11 | 0 26 | 18 50 | 0 38 | 21 41 | 1 28 | 10 38 | 16 21 | 12 50 | 13 22 | 13 9 | 11 21 | 0 8 | S 20 |
| M21 | 0n 7 | 17 30 | 2 5 | 6 23 | 2 12 | 11 36 | 0 17 | 12 54 | 0 0 | 21 15 | 0 22 | 16 9 | 0 26 | 18 50 | 0 38 | 21 41 | 1 28 | 10 39 | 16 21 | 12 50 | 13 21 | 13 11 | 11 22 | 0 8 | M21 |
| T 22 | 0 30 | 18 55 | 3 12 | 5 42 | 2 11 | 12 4 | 0 14 | 13 10 | 0n 1 | 21 15 | 0 22 | 16 7 | 0 26 | 18 51 | 0 38 | 21 41 | 1 28 | 10 40 | 16 21 | 12 51 | 13 20 | 13 12 | 11 23 | 0 8 | T 22 |
| W23 | 0 54 | 19 9 | 4 6 | 4 59 | 2 10 | 12 31 | 0 11 | 13 26 | 0 1 | 21 15 | 0 22 | 16 6 | 0 26 | 18 51 | 0 38 | 21 41 | 1 28 | 10 41 | 16 21 | 12 51 | 13 19 | 13 13 | 11 24 | 0 8 | W23 |
| T 24 | 1 18 | 18 14 | 4 45 | 4 15 | 2 8 | 12 59 | 0 8 | 13 41 | 0 2 | 21 15 | 0 22 | 16 4 | 0 26 | 18 51 | 0 38 | 21 41 | 1 28 | 10 41 | 16 21 | 12 51 | 13 18 | 13 15 | 11 25 | 0 9 | T 24 |
| F 25 | 1 42 | 16 19 | 5 7 | 3 31 | 2 6 | 13 26 | 0 5 | 13 56 | 0 3 | 21 15 | 0 22 | 16 2 | 0 26 | 18 51 | 0 38 | 21 41 | 1 29 | 10 42 | 16 21 | 12 51 | 13 17 | 13 16 | 11 26 | 0 9 | F 25 |
| S 26 | 2 5 | 13 37 | 5 13 | 2 45 | 2 3 | 13 52 | 0 2 | 14 11 | 0 4 | 21 15 | 0 22 | 16 1 | 0 26 | 18 52 | 0 38 | 21 41 | 1 29 | 10 43 | 16 21 | 12 50 | 13 16 | 13 18 | 11 27 | 0 9 | S 26 |
| S 27 | 2 29 | 10 19 | 5 3 | 1 59 | 2 0 | 14 19 | 0n 1 | 14 26 | 0 4 | 21 15 | 0 22 | 15 59 | 0 26 | 18 52 | 0 38 | 21 41 | 1 29 | 10 43 | 16 22 | 12 49 | 13 15 | 13 19 | 11 28 | 0 9 | S 27 |
| M28 | 2 52 | 6 36 | 4 39 | 1 11 | 1 56 | 14 45 | 0 4 | 14 41 | 0 5 | 21 15 | 0 22 | 15 58 | 0 26 | 18 52 | 0 38 | 21 41 | 1 29 | 10 44 | 16 22 | 12 47 | 13 14 | 13 20 | 11 29 | 0 9 | M28 |
| T 29 | 3 16 | 2 39 | 4 2 | 0 23 | 1 52 | 15 10 | 0 8 | 14 56 | 0 6 | 21 15 | 0 22 | 15 56 | 0 26 | 18 52 | 0 38 | 21 41 | 1 29 | 10 45 | 16 22 | 12 46 | 13 13 | 13 22 | 11 30 | 0 9 | T 29 |
| W30 | 3 39 | 1s21 | 3 14 | 0n26 | 1 47 | 15 36 | 0 11 | 15 10 | 0 6 | 21 15 | 0 22 | 15 55 | 0 27 | 18 52 | 0 38 | 21 41 | 1 29 | 10 46 | 16 22 | 12 44 | 13 12 | 13 23 | 11 31 | 0 9 | W30 |
| T 31 | 4n 3 | 5s15 | 2s17 | 1n16 | 1s41 | 16n 1 | 0n14 | 15n24 | 0n 7 | 21n14 | 0n22 | 15s53 | 0s27 | 18n53 | 0n38 | 21s41 | 1n29 | 10n46 | 16n22 | 12s43 | 13s11 | 13s24 | 11n32 | 0s 9 | T 31 |

Julian Day Number = 2803332.5, Delta T = 50m57s
Ecliptic obliquity = 23°18'45, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'21, Lahiri = 37°20'21


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# ASTRODIENST EPHEMERIS for the year 2963
# geocentric

## APRIL 2963 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 38 0 | 11♈15'57 | 19♎55 | 9♈ 5 | 14♉39 | 12♉32 | 25♋50 | 17♒44 | 7°R36 | 23°R32 | 10°R53 | 3°R46 | 5♏ 7 | 6♏12 | 0♉50 | F 1 |
| S 2 | 12 41 56 | 12°15'41 | 1♏46 | 11° 1 | 15°51 | 13°16 | 25°52 | 17°49 | 7♌35 | 23♐31 | 10♎51 | 3°D45 | 5° 4 | 6°19 | 0°53 | S 2 |
| S 3 | 12 45 53 | 13°15'23 | 13°33 | 12°59 | 17° 4 | 14° 1 | 25°54 | 17°54 | 7°34 | 23°31 | 10°50 | 3♏46 | 5° 1 | 6°26 | 0°57 | S 3 |
| M 4 | 12 49 50 | 14°15'03 | 25°21 | 14°58 | 18°16 | 14°45 | 25°57 | 17°59 | 7°34 | 23°31 | 10°48 | 3°47 | 4°58 | 6°32 | 1° 0 | M 4 |
| T 5 | 12 53 46 | 15°14'41 | 7♐11 | 16°57 | 19°28 | 15°29 | 25°59 | 18° 4 | 7°33 | 23°30 | 10°47 | 3°48 | 4°55 | 6°39 | 1° 4 | T 5 |
| W 6 | 12 57 43 | 16°14'18 | 19° 8 | 18°57 | 20°40 | 16°13 | 26° 2 | 18° 9 | 7°33 | 23°30 | 10°45 | 3°50 | 4°52 | 6°46 | 1° 7 | W 6 |
| T 7 | 13 1 39 | 17°13'53 | 1♑17 | 20°58 | 21°52 | 16°57 | 26° 5 | 18°14 | 7°32 | 23°30 | 10°43 | 3°51 | 4°48 | 6°52 | 1°10 | T 7 |
| F 8 | 13 5 36 | 18°13'26 | 13°40 | 22°59 | 23° 4 | 17°41 | 26° 8 | 18°19 | 7°32 | 23°29 | 10°42 | 3°R52 | 4°45 | 6°59 | 1°14 | F 8 |
| S 9 | 13 9 32 | 19°12'58 | 26°24 | 25° 1 | 24°16 | 18°25 | 26°12 | 18°23 | 7°32 | 23°29 | 10°40 | 3°52 | 4°42 | 7° 6 | 1°18 | S 9 |
| S 10 | 13 13 29 | 20°12'28 | 9♒32 | 27° 2 | 25°28 | 19° 9 | 26°15 | 18°28 | 7°31 | 23°28 | 10°38 | 3°51 | 4°39 | 7°12 | 1°21 | S 10 |
| M11 | 13 17 25 | 21°11'56 | 23° 5 | 29° 4 | 26°40 | 19°53 | 26°19 | 18°32 | 7°31 | 23°28 | 10°37 | 3°50 | 4°36 | 7°19 | 1°25 | M11 |
| T 12 | 13 21 22 | 22°11'23 | 7♓ 7 | 1♉ 5 | 27°52 | 20°37 | 26°23 | 18°37 | 7°31 | 23°27 | 10°35 | 3°48 | 4°33 | 7°26 | 1°28 | T 12 |
| W13 | 13 25 19 | 23°10'47 | 21°34 | 3° 5 | 29° 3 | 21°21 | 26°27 | 18°41 | 7°31 | 23°27 | 10°34 | 3°47 | 4°29 | 7°32 | 1°32 | W13 |
| T 14 | 13 29 15 | 24°10'10 | 6♈24 | 5° 4 | 0♊15 | 22° 5 | 26°31 | 18°45 | 7°31 | 23°26 | 10°32 | 3°46 | 4°26 | 7°39 | 1°35 | T 14 |
| F 15 | 13 33 12 | 25° 9'31 | 21°28 | 7° 1 | 1°26 | 22°48 | 26°36 | 18°49 | 7°D31 | 23°25 | 10°30 | 3°45 | 4°23 | 7°45 | 1°39 | F 15 |
| S 16 | 13 37 8 | 26° 8'50 | 6♉39 | 8°57 | 2°38 | 23°32 | 26°40 | 18°54 | 7°31 | 23°25 | 10°29 | 3°D45 | 4°20 | 7°52 | 1°42 | S 16 |
| S 17 | 13 41 5 | 27° 8'07 | 21°47 | 10°50 | 3°49 | 24°16 | 26°45 | 18°58 | 7°31 | 23°24 | 10°27 | 3°45 | 4°17 | 7°59 | 1°46 | S 17 |
| M18 | 13 45 1 | 28° 7'22 | 6♊42 | 12°41 | 5° 0 | 24°59 | 26°50 | 19° 2 | 7°31 | 23°23 | 10°26 | 3°46 | 4°13 | 8° 5 | 1°50 | M18 |
| T 19 | 13 48 58 | 29° 6'35 | 21°19 | 14°28 | 6°11 | 25°43 | 26°55 | 19° 5 | 7°31 | 23°23 | 10°24 | 3°46 | 4°10 | 8°12 | 1°53 | T 19 |
| W20 | 13 52 54 | 0♉ 5'45 | 5♋32 | 16°12 | 7°22 | 26°26 | 27° 1 | 19° 9 | 7°31 | 23°22 | 10°23 | 3°47 | 4° 7 | 8°19 | 1°57 | W20 |
| T 21 | 13 56 51 | 1° 4'54 | 19°20 | 17°52 | 8°33 | 27°10 | 27° 6 | 19°13 | 7°32 | 23°21 | 10°21 | 3°47 | 4° 4 | 8°25 | 2° 0 | T 21 |
| F 22 | 14 0 48 | 2° 4'00 | 2♌43 | 19°29 | 9°44 | 27°53 | 27°12 | 19°17 | 7°32 | 23°20 | 10°20 | 3°R47 | 4° 1 | 8°32 | 2° 4 | F 22 |
| S 23 | 14 4 44 | 3° 3'03 | 15°43 | 21° 0 | 10°54 | 28°36 | 27°17 | 19°20 | 7°32 | 23°19 | 10°18 | 3°47 | 3°58 | 8°39 | 2° 7 | S 23 |
| S 24 | 14 8 41 | 4° 2'05 | 28°24 | 22°27 | 12° 5 | 29°20 | 27°23 | 19°24 | 7°33 | 23°18 | 10°17 | 3°D47 | 3°54 | 8°45 | 2°11 | S 24 |
| M25 | 14 12 37 | 5° 1'04 | 10♍47 | 23°49 | 13°16 | 0♊ 3 | 27°29 | 19°27 | 7°33 | 23°17 | 10°15 | 3°47 | 3°51 | 8°52 | 2°15 | M25 |
| T 26 | 14 16 34 | 6° 0'00 | 22°58 | 25° 6 | 14°26 | 0°46 | 27°36 | 19°30 | 7°34 | 23°16 | 10°14 | 3°47 | 3°48 | 8°59 | 2°18 | T 26 |
| W27 | 14 20 30 | 6°58'55 | 4♎59 | 26°17 | 15°36 | 1°29 | 27°42 | 19°33 | 7°35 | 23°16 | 10°12 | 3°47 | 3°45 | 9° 5 | 2°22 | W27 |
| T 28 | 14 24 27 | 7°57'48 | 16°52 | 27°23 | 16°46 | 2°12 | 27°48 | 19°37 | 7°35 | 23°15 | 10°11 | 3°48 | 3°42 | 9°12 | 2°25 | T 28 |
| F 29 | 14 28 23 | 8°56'38 | 28°42 | 28°23 | 17°56 | 2°55 | 27°55 | 19°40 | 7°36 | 23°13 | 10°10 | 3°R48 | 3°39 | 9°18 | 2°29 | F 29 |
| S 30 | 14 32 20 | 9♉55'27 | 10♏30 | 29♉17 | 19♊ 6 | 3♊38 | 28♋ 2 | 19♒43 | 7♌37 | 23♐12 | 10♎ 8 | 3♏48 | 3♏35 | 9♏25 | 2♉32 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4n26 | 8s55 | 1s16 | 2n 7 | 1s36 | 16n25 | 0n17 | 15n39 | 0n 8 | 21n14 | 0n22 | 15s52 | 0s27 | 18n53 | 0n38 | 21s41 | 1n29 | 10n47 | 16n22 | 12s42 | 13s10 | 13s26 | 11n34 | 0s 9 |
| S 2 | 4 49 | 12 12 | 0 11 | 2 58 | 1 29 | 16 49 | 0 20 | 15 53 | 0 9 | 21 14 | 0 22 | 15 50 | 0 27 | 18 53 | 0 38 | 21 41 | 1 29 | 10 48 | 16 22 | 12 42 | 13 9 | 13 27 | 11 35 | 0 9 |
| S 3 | 5 12 | 14 58 | 0n54 | 3 50 | 1 22 | 17 13 | 0 24 | 16 7 | 0 9 | 21 13 | 0 22 | 15 49 | 0 27 | 18 53 | 0 38 | 21 40 | 1 29 | 10 48 | 16 22 | 12 42 | 13 8 | 13 28 | 11 36 | 0 9 |
| M 4 | 5 35 | 17 7 | 1 57 | 4 42 | 1 15 | 17 36 | 0 27 | 16 20 | 0 10 | 21 13 | 0 22 | 15 47 | 0 27 | 18 53 | 0 38 | 21 40 | 1 29 | 10 49 | 16 22 | 12 43 | 13 7 | 13 30 | 11 37 | 0 9 |
| T 5 | 5 58 | 18 31 | 2 55 | 5 35 | 1 7 | 17 59 | 0 30 | 16 34 | 0 11 | 21 12 | 0 22 | 15 46 | 0 27 | 18 53 | 0 38 | 21 40 | 1 29 | 10 49 | 16 22 | 12 43 | 13 5 | 13 31 | 11 38 | 0 9 |
| W 6 | 6 21 | 19 7 | 3 46 | 6 29 | 0 59 | 18 22 | 0 33 | 16 47 | 0 11 | 21 12 | 0 22 | 15 45 | 0 27 | 18 53 | 0 38 | 21 40 | 1 29 | 10 50 | 16 22 | 12 44 | 13 4 | 13 32 | 11 39 | 0 9 |
| T 7 | 6 44 | 18 51 | 4 27 | 7 22 | 0 50 | 18 44 | 0 37 | 17 0 | 0 12 | 21 11 | 0 22 | 15 43 | 0 27 | 18 54 | 0 37 | 21 40 | 1 29 | 10 51 | 16 22 | 12 44 | 13 3 | 13 34 | 11 40 | 0 10 |
| F 8 | 7 7 | 17 41 | 4 58 | 8 16 | 0 41 | 19 5 | 0 40 | 17 13 | 0 13 | 21 11 | 0 23 | 15 42 | 0 28 | 18 54 | 0 37 | 21 40 | 1 29 | 10 51 | 16 22 | 12 44 | 13 2 | 13 35 | 11 42 | 0 10 |
| S 9 | 7 29 | 15 37 | 5 14 | 9 9 | 0 31 | 19 26 | 0 43 | 17 26 | 0 13 | 21 10 | 0 23 | 15 41 | 0 28 | 18 54 | 0 37 | 21 40 | 1 29 | 10 52 | 16 22 | 12 44 | 13 1 | 13 36 | 11 43 | 0 10 |
| S 10 | 7 51 | 12 42 | 5 16 | 10 3 | 0 21 | 19 47 | 0 47 | 17 39 | 0 14 | 21 10 | 0 23 | 15 39 | 0 28 | 18 54 | 0 37 | 21 40 | 1 29 | 10 52 | 16 22 | 12 44 | 13 0 | 13 38 | 11 44 | 0 10 |
| M11 | 8 14 | 9 1 | 5 0 | 10 56 | 0 10 | 20 7 | 0 50 | 17 51 | 0 15 | 21 9 | 0 23 | 15 38 | 0 28 | 18 54 | 0 37 | 21 40 | 1 29 | 10 53 | 16 22 | 12 44 | 12 59 | 13 39 | 11 45 | 0 10 |
| T 12 | 8 36 | 4 44 | 4 25 | 11 48 | 0n 1 | 20 26 | 0 53 | 18 4 | 0 15 | 21 8 | 0 23 | 15 37 | 0 28 | 18 54 | 0 37 | 21 40 | 1 29 | 10 54 | 16 22 | 12 43 | 12 58 | 13 40 | 11 46 | 0 10 |
| W13 | 8 58 | 0 3 | 3 34 | 12 40 | 0 12 | 20 46 | 0 56 | 18 16 | 0 16 | 21 7 | 0 23 | 15 35 | 0 28 | 18 54 | 0 37 | 21 40 | 1 29 | 10 54 | 16 22 | 12 43 | 12 57 | 13 42 | 11 47 | 0 10 |
| T 14 | 9 20 | 4n46 | 2 26 | 13 31 | 0 24 | 21 4 | 1 0 | 18 28 | 0 17 | 21 7 | 0 23 | 15 34 | 0 28 | 18 54 | 0 37 | 21 40 | 1 29 | 10 55 | 16 22 | 12 42 | 12 56 | 13 43 | 11 48 | 0 10 |
| F 15 | 9 41 | 9 23 | 1 8 | 14 20 | 0 35 | 21 22 | 1 3 | 18 39 | 0 17 | 21 6 | 0 23 | 15 33 | 0 28 | 18 54 | 0 37 | 21 40 | 1 29 | 10 55 | 16 22 | 12 42 | 12 55 | 13 44 | 11 50 | 0 10 |
| S 16 | 10 3 | 13 25 | 0s16 | 15 8 | 0 47 | 21 39 | 1 6 | 18 51 | 0 18 | 21 5 | 0 23 | 15 32 | 0 28 | 18 54 | 0 37 | 21 40 | 1 29 | 10 56 | 16 22 | 12 42 | 12 54 | 13 45 | 11 51 | 0 10 |
| S 17 | 10 24 | 16 32 | 1 39 | 15 55 | 0 58 | 21 56 | 1 9 | 19 2 | 0 19 | 21 4 | 0 23 | 15 31 | 0 29 | 18 54 | 0 37 | 21 40 | 1 29 | 10 56 | 16 21 | 12 42 | 12 53 | 13 47 | 11 52 | 0 10 |
| M18 | 10 45 | 18 28 | 2 53 | 16 40 | 1 10 | 22 12 | 1 13 | 19 13 | 0 19 | 21 3 | 0 23 | 15 30 | 0 29 | 18 54 | 0 37 | 21 39 | 1 30 | 10 57 | 16 21 | 12 42 | 12 52 | 13 48 | 11 53 | 0 10 |
| T 19 | 11 6 | 19 7 | 3 55 | 17 23 | 1 21 | 22 28 | 1 16 | 19 24 | 0 20 | 21 2 | 0 23 | 15 29 | 0 29 | 18 54 | 0 37 | 21 39 | 1 30 | 10 57 | 16 21 | 12 42 | 12 51 | 13 49 | 11 54 | 0 10 |
| W20 | 11 27 | 18 32 | 4 40 | 18 4 | 1 32 | 22 43 | 1 19 | 19 35 | 0 21 | 21 1 | 0 23 | 15 28 | 0 29 | 18 53 | 0 37 | 21 39 | 1 30 | 10 58 | 16 21 | 12 43 | 12 50 | 13 51 | 11 55 | 0 10 |
| T 21 | 11 47 | 16 51 | 5 8 | 18 43 | 1 42 | 22 58 | 1 22 | 19 46 | 0 21 | 21 0 | 0 23 | 15 26 | 0 29 | 18 53 | 0 37 | 21 39 | 1 30 | 10 58 | 16 21 | 12 43 | 12 48 | 13 52 | 11 57 | 0 10 |
| F 22 | 12 8 | 14 17 | 5 18 | 19 19 | 1 53 | 23 12 | 1 25 | 19 56 | 0 22 | 20 59 | 0 23 | 15 25 | 0 29 | 18 53 | 0 37 | 21 39 | 1 30 | 10 59 | 16 21 | 12 43 | 12 47 | 13 53 | 11 58 | 0 11 |
| S 23 | 12 28 | 11 5 | 5 11 | 19 53 | 2 2 | 23 25 | 1 28 | 20 6 | 0 22 | 20 58 | 0 23 | 15 24 | 0 29 | 18 53 | 0 37 | 21 39 | 1 30 | 10 59 | 16 21 | 12 43 | 12 46 | 13 55 | 11 59 | 0 11 |
| S 24 | 12 48 | 7 26 | 4 49 | 20 24 | 2 11 | 23 38 | 1 31 | 20 16 | 0 23 | 20 57 | 0 23 | 15 24 | 0 29 | 18 53 | 0 37 | 21 39 | 1 30 | 10 59 | 16 21 | 12 43 | 12 45 | 13 56 | 12 0 | 0 11 |
| M25 | 13 8 | 3 33 | 4 14 | 20 53 | 2 19 | 23 50 | 1 34 | 20 26 | 0 24 | 20 56 | 0 23 | 15 23 | 0 30 | 18 53 | 0 37 | 21 39 | 1 30 | 11 0 | 16 20 | 12 43 | 12 44 | 13 57 | 12 1 | 0 11 |
| T 26 | 13 27 | 0s25 | 3 28 | 21 19 | 2 27 | 24 1 | 1 37 | 20 36 | 0 24 | 20 55 | 0 23 | 15 22 | 0 30 | 18 53 | 0 37 | 21 39 | 1 30 | 11 0 | 16 20 | 12 43 | 12 43 | 13 58 | 12 2 | 0 11 |
| W27 | 13 46 | 4 19 | 2 34 | 21 42 | 2 34 | 24 12 | 1 40 | 20 45 | 0 25 | 20 53 | 0 23 | 15 21 | 0 30 | 18 52 | 0 37 | 21 39 | 1 30 | 11 1 | 16 20 | 12 43 | 12 42 | 14 0 | 12 4 | 0 11 |
| T 28 | 14 5 | 8 2 | 1 33 | 22 3 | 2 39 | 24 22 | 1 43 | 20 54 | 0 25 | 20 52 | 0 23 | 15 20 | 0 30 | 18 52 | 0 37 | 21 39 | 1 30 | 11 1 | 16 20 | 12 43 | 12 41 | 14 1 | 12 5 | 0 11 |
| F 29 | 14 24 | 11 24 | 0 28 | 22 22 | 2 44 | 24 32 | 1 46 | 21 3 | 0 26 | 20 51 | 0 23 | 15 19 | 0 30 | 18 52 | 0 37 | 21 39 | 1 30 | 11 1 | 16 20 | 12 43 | 12 40 | 14 2 | 12 6 | 0 11 |
| S 30 | 14n43 | 14s18 | 0n37 | 22n37 | 2n48 | 24n40 | 1n49 | 21n12 | 0n27 | 20n50 | 0n23 | 15s18 | 0s30 | 18n52 | 0n37 | 21s39 | 1n30 | 11n 2 | 16n19 | 12s43 | 12s39 | 14s 3 | 12n 7 | 0s11 |

Julian Day Number = 2803363.5, Delta T = 50m57s
Ecliptic obliquity = 23°18'45, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'25, Lahiri = 37°20'26


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# ASTRODIENST EPHEMERIS for the year 2963
# geocentric

## MAY 2963 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 36 16 | 10♉54'14 | 22♏18 | 0♊ 6 | 20♊16 | 4♊21 | 28♋ 9 | 19♒45 | 7♌38 | 23°R11 | 10°R 7 | 3°R48 | 3♏32 | 9♏32 | 2♉36 | S 1 |
| M 2 | 14 40 13 | 11°52'59 | 4♐ 9 | 0°48 | 21°26 | 5° 4 | 28°16 | 19°48 | 7°39 | 23♐10 | 10♎ 6 | 3♏47 | 3°29 | 9°38 | 2°40 | M 2 |
| T 3 | 14 44 10 | 12°51'42 | 16° 5 | 1°24 | 22°35 | 5°47 | 28°23 | 19°51 | 7°40 | 23° 9 | 10° 4 | 3°46 | 3°26 | 9°45 | 2°43 | T 3 |
| W 4 | 14 48 6 | 13°50'23 | 28° 8 | 1°54 | 23°45 | 6°30 | 28°31 | 19°53 | 7°41 | 23° 8 | 10° 3 | 3°44 | 3°23 | 9°52 | 2°47 | W 4 |
| T 5 | 14 52 3 | 14°49'02 | 10♑22 | 2°18 | 24°54 | 7°12 | 28°38 | 19°56 | 7°42 | 23° 7 | 10° 2 | 3°43 | 3°19 | 9°58 | 2°50 | T 5 |
| F 6 | 14 55 59 | 15°47'40 | 22°49 | 2°36 | 26° 3 | 7°55 | 28°46 | 19°58 | 7°43 | 23° 6 | 10° 0 | 3°42 | 3°16 | 10° 5 | 2°54 | F 6 |
| S 7 | 14 59 56 | 16°46'17 | 5♒32 | 2°47 | 27°12 | 8°38 | 28°54 | 20° 1 | 7°44 | 23° 4 | 9°59 | 3°41 | 3°13 | 10°12 | 2°57 | S 7 |
| S 8 | 15 3 52 | 17°44'51 | 18°35 | 2°R53 | 28°21 | 9°20 | 29° 2 | 20° 3 | 7°45 | 23° 3 | 9°58 | 3°D40 | 3°10 | 10°18 | 3° 1 | S 8 |
| M 9 | 15 7 49 | 18°43'24 | 2♓ 1 | 2°53 | 29°30 | 10° 3 | 29°10 | 20° 5 | 7°46 | 23° 2 | 9°57 | 3°41 | 3° 7 | 10°25 | 3° 4 | M 9 |
| T 10 | 15 11 45 | 19°41'56 | 15°51 | 2°48 | 0♋39 | 10°46 | 29°18 | 20° 7 | 7°48 | 23° 1 | 9°56 | 3°42 | 3° 4 | 10°32 | 3° 8 | T 10 |
| W11 | 15 15 42 | 20°40'26 | 0♈ 6 | 2°37 | 1°47 | 11°28 | 29°26 | 20° 9 | 7°49 | 22°59 | 9°54 | 3°43 | 3° 0 | 10°38 | 3°11 | W11 |
| T 12 | 15 19 39 | 21°38'54 | 14°44 | 2°21 | 2°55 | 12°10 | 29°34 | 20°11 | 7°50 | 22°58 | 9°53 | 3°44 | 2°57 | 10°45 | 3°15 | T 12 |
| F 13 | 15 23 35 | 22°37'21 | 29°40 | 2° 0 | 4° 4 | 12°53 | 29°43 | 20°13 | 7°52 | 22°57 | 9°52 | 3°R45 | 2°54 | 10°52 | 3°18 | F 13 |
| S 14 | 15 27 32 | 23°35'46 | 14♉48 | 1°35 | 5°12 | 13°35 | 29°52 | 20°14 | 7°53 | 22°55 | 9°51 | 3°44 | 2°51 | 10°58 | 3°21 | S 14 |
| S 15 | 15 31 28 | 24°34'09 | 29°59 | 1° 7 | 6°20 | 14°17 | 0♌ 0 | 20°16 | 7°55 | 22°54 | 9°50 | 3°43 | 2°48 | 11° 5 | 3°25 | S 15 |
| M16 | 15 35 25 | 25°32'31 | 15♊ 3 | 0°35 | 7°27 | 15° 0 | 0° 9 | 20°17 | 7°56 | 22°53 | 9°49 | 3°41 | 2°44 | 11°11 | 3°28 | M16 |
| T 17 | 15 39 21 | 26°30'51 | 29°51 | 0° 1 | 8°35 | 15°42 | 0°18 | 20°19 | 7°58 | 22°51 | 9°48 | 3°38 | 2°41 | 11°18 | 3°32 | T 17 |
| W18 | 15 43 18 | 27°29'09 | 14♋16 | 29♉25 | 9°42 | 16°24 | 0°27 | 20°20 | 8° 0 | 22°50 | 9°47 | 3°35 | 2°38 | 11°25 | 3°35 | W18 |
| T 19 | 15 47 14 | 28°27'25 | 28°15 | 28°47 | 10°50 | 17° 6 | 0°37 | 20°21 | 8° 2 | 22°48 | 9°46 | 3°32 | 2°35 | 11°31 | 3°38 | T 19 |
| F 20 | 15 51 11 | 29°25'39 | 11♌46 | 28° 9 | 11°57 | 17°48 | 0°46 | 20°22 | 8° 3 | 22°47 | 9°45 | 3°30 | 2°32 | 11°38 | 3°42 | F 20 |
| S 21 | 15 55 8 | 0♊23'51 | 24°50 | 27°32 | 13° 4 | 18°30 | 0°55 | 20°23 | 8° 5 | 22°46 | 9°44 | 3°D29 | 2°29 | 11°45 | 3°45 | S 21 |
| S 22 | 15 59 4 | 1°22'01 | 7♍31 | 26°55 | 14°11 | 19°12 | 1° 5 | 20°24 | 8° 7 | 22°44 | 9°43 | 3°29 | 2°25 | 11°51 | 3°48 | S 22 |
| M23 | 16 3 1 | 2°20'09 | 19°51 | 26°19 | 15°17 | 19°54 | 1°15 | 20°25 | 8° 9 | 22°43 | 9°42 | 3°30 | 2°22 | 11°58 | 3°51 | M23 |
| T 24 | 16 6 57 | 3°18'15 | 1♎57 | 25°45 | 16°23 | 20°36 | 1°24 | 20°25 | 8°11 | 22°41 | 9°42 | 3°31 | 2°19 | 12° 5 | 3°55 | T 24 |
| W25 | 16 10 54 | 4°16'19 | 13°52 | 25°14 | 17°30 | 21°18 | 1°34 | 20°26 | 8°13 | 22°40 | 9°41 | 3°33 | 2°16 | 12°11 | 3°58 | W25 |
| T 26 | 16 14 50 | 5°14'21 | 25°41 | 24°46 | 18°36 | 22° 0 | 1°44 | 20°26 | 8°15 | 22°38 | 9°40 | 3°34 | 2°13 | 12°18 | 4° 1 | T 26 |
| F 27 | 16 18 47 | 6°12'22 | 7♏28 | 24°22 | 19°41 | 22°41 | 1°54 | 20°27 | 8°17 | 22°36 | 9°39 | 3°R34 | 2°10 | 12°25 | 4° 4 | F 27 |
| S 28 | 16 22 43 | 7°10'21 | 19°16 | 24° 1 | 20°47 | 23°23 | 2° 4 | 20°27 | 8°19 | 22°35 | 9°39 | 3°33 | 2° 6 | 12°31 | 4° 7 | S 28 |
| S 29 | 16 26 40 | 8° 8'19 | 1♐ 7 | 23°44 | 21°52 | 24° 5 | 2°15 | 20°27 | 8°21 | 22°33 | 9°38 | 3°30 | 2° 3 | 12°38 | 4°11 | S 29 |
| M30 | 16 30 37 | 9° 6'15 | 13° 5 | 23°31 | 22°57 | 24°46 | 2°25 | 20°R27 | 8°24 | 22°32 | 9°37 | 3°26 | 2° 0 | 12°45 | 4°14 | M30 |
| T 31 | 16 34 33 | 10♊ 4'10 | 25♐11 | 23♉23 | 24♋ 2 | 25♊28 | 2♌35 | 20♒27 | 8♌26 | 22♐30 | 9♎37 | 3♏20 | 1♏57 | 12♏51 | 4♉17 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n 1 | 16s37 | 1n41 | 22n50 | 2n50 | 24n49 | 1n51 | 21n21 | 0n27 | 20n48 | 0n23 | 15s18 | 0s30 | 18n52 | 0n37 | 21s38 | 1n30 | 11n 2 | 16n19 | 12s43 | 12s38 | 14s 5 | 12n 8 | 0s11 |
| M 2 | 15 19 | 18 14 | 2 41 | 23 1 | 2 52 | 24 56 | 1 54 | 21 29 | 0 28 | 20 47 | 0 23 | 15 17 | 0 30 | 18 51 | 0 37 | 21 38 | 1 30 | 11 2 | 16 19 | 12 43 | 12 37 | 14 6 | 12 9 | 0 11 |
| T 3 | 15 37 | 19 3 | 3 34 | 23 8 | 2 52 | 25 3 | 1 57 | 21 37 | 0 28 | 20 45 | 0 23 | 15 16 | 0 31 | 18 51 | 0 37 | 21 38 | 1 30 | 11 3 | 16 19 | 12 42 | 12 36 | 14 7 | 12 10 | 0 11 |
| W 4 | 15 55 | 19 0 | 4 18 | 23 14 | 2 51 | 25 9 | 1 59 | 21 45 | 0 29 | 20 44 | 0 23 | 15 15 | 0 31 | 18 51 | 0 37 | 21 38 | 1 30 | 11 3 | 16 18 | 12 42 | 12 34 | 14 8 | 12 12 | 0 11 |
| T 5 | 16 12 | 18 4 | 4 51 | 23 16 | 2 49 | 25 15 | 2 2 | 21 53 | 0 29 | 20 42 | 0 23 | 15 15 | 0 31 | 18 50 | 0 37 | 21 38 | 1 30 | 11 3 | 16 18 | 12 41 | 12 33 | 14 10 | 12 13 | 0 11 |
| F 6 | 16 29 | 16 16 | 5 11 | 23 16 | 2 45 | 25 19 | 2 4 | 22 0 | 0 30 | 20 41 | 0 23 | 15 14 | 0 31 | 18 50 | 0 37 | 21 38 | 1 30 | 11 3 | 16 18 | 12 41 | 12 32 | 14 11 | 12 14 | 0 12 |
| S 7 | 16 46 | 13 40 | 5 17 | 23 14 | 2 41 | 25 24 | 2 7 | 22 8 | 0 31 | 20 39 | 0 24 | 15 13 | 0 31 | 18 50 | 0 37 | 21 38 | 1 30 | 11 4 | 16 18 | 12 41 | 12 31 | 14 12 | 12 15 | 0 12 |
| S 8 | 17 2 | 10 19 | 5 6 | 23 9 | 2 34 | 25 27 | 2 9 | 22 15 | 0 31 | 20 38 | 0 24 | 15 13 | 0 31 | 18 50 | 0 37 | 21 38 | 1 30 | 11 4 | 16 17 | 12 41 | 12 30 | 14 13 | 12 16 | 0 12 |
| M 9 | 17 18 | 6 21 | 4 39 | 23 2 | 2 27 | 25 30 | 2 11 | 22 22 | 0 32 | 20 36 | 0 24 | 15 12 | 0 31 | 18 49 | 0 37 | 21 38 | 1 30 | 11 4 | 16 17 | 12 41 | 12 29 | 14 15 | 12 17 | 0 12 |
| T 10 | 17 34 | 1 56 | 3 55 | 22 52 | 2 18 | 25 32 | 2 14 | 22 28 | 0 32 | 20 34 | 0 24 | 15 12 | 0 31 | 18 49 | 0 37 | 21 38 | 1 30 | 11 4 | 16 17 | 12 41 | 12 28 | 14 16 | 12 18 | 0 12 |
| W11 | 17 50 | 2n44 | 2 56 | 22 40 | 2 8 | 25 34 | 2 16 | 22 35 | 0 33 | 20 33 | 0 24 | 15 11 | 0 32 | 18 48 | 0 37 | 21 38 | 1 30 | 11 4 | 16 17 | 12 41 | 12 27 | 14 17 | 12 19 | 0 12 |
| T 12 | 18 5 | 7 22 | 1 43 | 22 26 | 1 57 | 25 34 | 2 18 | 22 41 | 0 33 | 20 31 | 0 24 | 15 11 | 0 32 | 18 48 | 0 37 | 21 37 | 1 30 | 11 4 | 16 16 | 12 42 | 12 26 | 14 18 | 12 21 | 0 12 |
| F 13 | 18 20 | 11 39 | 0 23 | 22 9 | 1 44 | 25 35 | 2 20 | 22 47 | 0 34 | 20 29 | 0 24 | 15 10 | 0 32 | 18 48 | 0 37 | 21 37 | 1 30 | 11 5 | 16 16 | 12 42 | 12 25 | 14 20 | 12 22 | 0 12 |
| S 14 | 18 34 | 15 13 | 1s 1 | 21 51 | 1 31 | 25 34 | 2 22 | 22 53 | 0 34 | 20 28 | 0 24 | 15 10 | 0 32 | 18 47 | 0 36 | 21 37 | 1 30 | 11 5 | 16 16 | 12 42 | 12 24 | 14 21 | 12 23 | 0 12 |
| S 15 | 18 49 | 17 45 | 2 20 | 21 31 | 1 16 | 25 33 | 2 23 | 22 58 | 0 35 | 20 26 | 0 24 | 15 10 | 0 32 | 18 47 | 0 36 | 21 37 | 1 30 | 11 5 | 16 15 | 12 41 | 12 23 | 14 22 | 12 24 | 0 12 |
| M16 | 19 3 | 19 1 | 3 29 | 21 9 | 1 1 | 25 31 | 2 25 | 23 4 | 0 35 | 20 24 | 0 24 | 15 9 | 0 32 | 18 46 | 0 36 | 21 37 | 1 30 | 11 5 | 16 15 | 12 41 | 12 22 | 14 23 | 12 25 | 0 12 |
| T 17 | 19 16 | 18 57 | 4 22 | 20 46 | 0 44 | 25 29 | 2 27 | 23 9 | 0 36 | 20 22 | 0 24 | 15 9 | 0 32 | 18 46 | 0 36 | 21 37 | 1 30 | 11 5 | 16 15 | 12 40 | 12 20 | 14 24 | 12 26 | 0 12 |
| W18 | 19 30 | 17 37 | 4 57 | 20 22 | 0 27 | 25 25 | 2 28 | 23 14 | 0 36 | 20 20 | 0 24 | 15 9 | 0 32 | 18 45 | 0 36 | 21 37 | 1 30 | 11 5 | 16 14 | 12 39 | 12 19 | 14 26 | 12 27 | 0 12 |
| T 19 | 19 43 | 15 17 | 5 14 | 19 57 | 0 10 | 25 22 | 2 30 | 23 18 | 0 37 | 20 18 | 0 24 | 15 9 | 0 33 | 18 45 | 0 36 | 21 37 | 1 30 | 11 5 | 16 14 | 12 38 | 12 18 | 14 27 | 12 28 | 0 13 |
| F 20 | 19 55 | 12 10 | 5 12 | 19 31 | 0s 7 | 25 17 | 2 31 | 23 23 | 0 37 | 20 16 | 0 24 | 15 8 | 0 33 | 18 45 | 0 36 | 21 37 | 1 30 | 11 5 | 16 14 | 12 37 | 12 17 | 14 28 | 12 29 | 0 13 |
| S 21 | 20 8 | 8 33 | 4 53 | 19 6 | 0 25 | 25 12 | 2 32 | 23 27 | 0 38 | 20 14 | 0 24 | 15 8 | 0 33 | 18 44 | 0 36 | 21 37 | 1 30 | 11 5 | 16 13 | 12 37 | 12 16 | 14 29 | 12 30 | 0 13 |
| S 22 | 20 19 | 4 40 | 4 21 | 18 40 | 0 42 | 25 7 | 2 34 | 23 31 | 0 38 | 20 12 | 0 24 | 15 8 | 0 33 | 18 44 | 0 36 | 21 37 | 1 30 | 11 5 | 16 13 | 12 37 | 12 15 | 14 30 | 12 31 | 0 13 |
| M23 | 20 31 | 0 39 | 3 38 | 18 15 | 1 0 | 25 0 | 2 35 | 23 35 | 0 39 | 20 10 | 0 24 | 15 8 | 0 33 | 18 43 | 0 36 | 21 36 | 1 30 | 11 5 | 16 13 | 12 37 | 12 14 | 14 32 | 12 32 | 0 13 |
| T 24 | 20 42 | 3s18 | 2 45 | 17 51 | 1 17 | 24 53 | 2 36 | 23 38 | 0 39 | 20 8 | 0 24 | 15 8 | 0 33 | 18 42 | 0 36 | 21 36 | 1 30 | 11 5 | 16 12 | 12 37 | 12 13 | 14 33 | 12 33 | 0 13 |
| W25 | 20 53 | 7 4 | 1 46 | 17 28 | 1 33 | 24 46 | 2 37 | 23 41 | 0 40 | 20 6 | 0 24 | 15 8 | 0 33 | 18 42 | 0 36 | 21 36 | 1 30 | 11 5 | 16 12 | 12 38 | 12 12 | 14 34 | 12 34 | 0 13 |
| T 26 | 21 4 | 10 33 | 0 43 | 17 6 | 1 49 | 24 38 | 2 37 | 23 45 | 0 40 | 20 4 | 0 24 | 15 8 | 0 34 | 18 41 | 0 36 | 21 36 | 1 30 | 11 5 | 16 11 | 12 38 | 12 11 | 14 35 | 12 35 | 0 13 |
| F 27 | 21 14 | 13 36 | 0n21 | 16 46 | 2 3 | 24 29 | 2 38 | 23 47 | 0 41 | 20 1 | 0 24 | 15 8 | 0 34 | 18 41 | 0 36 | 21 36 | 1 31 | 11 5 | 16 11 | 12 38 | 12 10 | 14 36 | 12 36 | 0 13 |
| S 28 | 21 24 | 16 5 | 1 25 | 16 27 | 2 17 | 24 20 | 2 39 | 23 50 | 0 41 | 19 59 | 0 24 | 15 8 | 0 34 | 18 40 | 0 36 | 21 36 | 1 31 | 11 5 | 16 11 | 12 38 | 12 9 | 14 37 | 12 37 | 0 13 |
| S 29 | 21 33 | 17 55 | 2 25 | 16 11 | 2 31 | 24 10 | 2 39 | 23 53 | 0 42 | 19 57 | 0 24 | 15 8 | 0 34 | 18 40 | 0 36 | 21 36 | 1 31 | 11 5 | 16 10 | 12 37 | 12 7 | 14 39 | 12 38 | 0 13 |
| M30 | 21 42 | 18 57 | 3 19 | 15 56 | 2 43 | 23 59 | 2 39 | 23 55 | 0 42 | 19 55 | 0 24 | 15 8 | 0 34 | 18 39 | 0 36 | 21 36 | 1 31 | 11 5 | 16 10 | 12 36 | 12 6 | 14 40 | 12 39 | 0 13 |
| T 31 | 21n50 | 19s 9 | 4n 5 | 15n43 | 2s54 | 23n48 | 2n40 | 23n57 | 0n43 | 19n52 | 0n24 | 15s 8 | 0s34 | 18n38 | 0n36 | 21s36 | 1n31 | 11n 4 | 16n 9 | 12s34 | 12s 5 | 14s41 | 12n40 | 0s13 |

Julian Day Number = 2803393.5, Delta T = 50m58s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'29, Lahiri = 37°20'30


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# ASTRODIENST EPHEMERIS for the year 2963
# geocentric

## JUNE 2963 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 38 30 | 11♊ 2'03 | 7♑26 | 23°D20 | 25♋ 7 | 26♊10 | 2♎46 | 20°R27 | 8♎28 | 22°R29 | 9°R36 | 3°R13 | 1♏54 | 12♏58 | 4♉20 | W 1 |
| T 2 | 16 42 26 | 11°59'55 | 19°51 | 23♉21 | 26°11 | 26°51 | 2°57 | 20♒27 | 8°31 | 22♐27 | 9♎35 | 3♏ 7 | 1°50 | 13° 4 | 4°23 | T 2 |
| F 3 | 16 46 23 | 12°57'45 | 2♒29 | 23°26 | 27°15 | 27°32 | 3° 7 | 20°27 | 8°33 | 22°25 | 9°35 | 3° 1 | 1°47 | 13°11 | 4°26 | F 3 |
| S 4 | 16 50 19 | 13°55'35 | 15°20 | 23°36 | 28°19 | 28°14 | 3°18 | 20°26 | 8°35 | 22°24 | 9°34 | 2°56 | 1°44 | 13°18 | 4°29 | S 4 |
| S 5 | 16 54 16 | 14°53'23 | 28°26 | 23°51 | 29°23 | 28°55 | 3°29 | 20°26 | 8°38 | 22°22 | 9°34 | 2°53 | 1°41 | 13°24 | 4°32 | S 5 |
| M 6 | 16 58 13 | 15°51'10 | 11♓50 | 24°10 | 0♎26 | 29°36 | 3°40 | 20°25 | 8°40 | 22°21 | 9°33 | 2°D52 | 1°38 | 13°31 | 4°34 | M 6 |
| T 7 | 17 2 9 | 16°48'56 | 25°32 | 24°34 | 1°29 | 0♋18 | 3°51 | 20°24 | 8°43 | 22°19 | 9°33 | 2°52 | 1°35 | 13°38 | 4°37 | T 7 |
| W 8 | 17 6 6 | 17°46'41 | 9♈34 | 25° 1 | 2°32 | 0°59 | 4° 2 | 20°23 | 8°46 | 22°17 | 9°33 | 2°53 | 1°31 | 13°44 | 4°40 | W 8 |
| T 9 | 17 10 2 | 18°44'26 | 23°55 | 25°33 | 3°35 | 1°40 | 4°13 | 20°23 | 8°48 | 22°16 | 9°32 | 2°54 | 1°28 | 13°51 | 4°43 | T 9 |
| F 10 | 17 13 59 | 19°42'09 | 8♉34 | 26° 9 | 4°37 | 2°21 | 4°24 | 20°22 | 8°51 | 22°14 | 9°32 | 2°R54 | 1°25 | 13°58 | 4°46 | F 10 |
| S 11 | 17 17 55 | 20°39'51 | 23°25 | 26°49 | 5°39 | 3° 2 | 4°36 | 20°21 | 8°53 | 22°13 | 9°32 | 2°52 | 1°22 | 14° 4 | 4°48 | S 11 |
| S 12 | 17 21 52 | 21°37'32 | 8♊23 | 27°32 | 6°40 | 3°43 | 4°47 | 20°19 | 8°56 | 22°11 | 9°31 | 2°49 | 1°19 | 14°11 | 4°51 | S 12 |
| M13 | 17 25 48 | 22°35'12 | 23°19 | 28°20 | 7°42 | 4°24 | 4°59 | 20°18 | 8°59 | 22° 9 | 9°31 | 2°43 | 1°16 | 14°18 | 4°54 | M13 |
| T 14 | 17 29 45 | 23°32'52 | 8♋ 4 | 29°11 | 8°43 | 5° 5 | 5°10 | 20°17 | 9° 2 | 22° 8 | 9°31 | 2°36 | 1°12 | 14°24 | 4°56 | T 14 |
| W15 | 17 33 42 | 24°30'29 | 22°31 | 0♊ 5 | 9°43 | 5°46 | 5°22 | 20°15 | 9° 5 | 22° 6 | 9°31 | 2°27 | 1° 9 | 14°31 | 4°59 | W15 |
| T 16 | 17 37 38 | 25°28'06 | 6♎34 | 1° 3 | 10°44 | 6°27 | 5°33 | 20°14 | 9° 7 | 22° 4 | 9°31 | 2°20 | 1° 6 | 14°38 | 5° 2 | T 16 |
| F 17 | 17 41 35 | 26°25'41 | 20° 9 | 2° 4 | 11°44 | 7° 8 | 5°45 | 20°12 | 9°10 | 22° 3 | 9°31 | 2°13 | 1° 3 | 14°44 | 5° 4 | F 17 |
| S 18 | 17 45 31 | 27°23'15 | 3♏18 | 3° 8 | 12°43 | 7°49 | 5°57 | 20°10 | 9°13 | 22° 1 | 9°31 | 2° 8 | 1° 0 | 14°51 | 5° 7 | S 18 |
| S 19 | 17 49 28 | 28°20'47 | 16° 1 | 4°16 | 13°42 | 8°30 | 6° 9 | 20° 8 | 9°16 | 22° 0 | 9°30 | 2° 6 | 0°56 | 14°57 | 5° 9 | S 19 |
| M20 | 17 53 24 | 29°18'19 | 28°23 | 5°27 | 14°41 | 9°11 | 6°21 | 20° 7 | 9°19 | 21°58 | 9°D30 | 2°D 5 | 0°53 | 15° 4 | 5°11 | M20 |
| T 21 | 17 57 21 | 0♋15'49 | 10♎28 | 6°40 | 15°39 | 9°51 | 6°33 | 20° 5 | 9°22 | 21°56 | 9°31 | 2° 5 | 0°50 | 15°11 | 5°14 | T 21 |
| W22 | 18 1 17 | 1°13'18 | 22°22 | 7°57 | 16°37 | 10°32 | 6°45 | 20° 2 | 9°25 | 21°55 | 9°31 | 2° 6 | 0°47 | 15°17 | 5°16 | W22 |
| T 23 | 18 5 14 | 2°10'45 | 4♏11 | 9°17 | 17°35 | 11°12 | 6°57 | 20° 0 | 9°28 | 21°53 | 9°31 | 2°R 6 | 0°44 | 15°24 | 5°18 | T 23 |
| F 24 | 18 9 11 | 3° 8'12 | 15°58 | 10°39 | 18°32 | 11°53 | 7° 9 | 19°58 | 9°31 | 21°52 | 9°31 | 2° 5 | 0°41 | 15°31 | 5°21 | F 24 |
| S 25 | 18 13 7 | 4° 5'38 | 27°48 | 12° 5 | 19°28 | 12°34 | 7°21 | 19°56 | 9°35 | 21°50 | 9°31 | 2° 2 | 0°37 | 15°37 | 5°23 | S 25 |
| S 26 | 18 17 4 | 5° 3'02 | 9♐46 | 13°33 | 20°24 | 13°14 | 7°33 | 19°53 | 9°38 | 21°48 | 9°31 | 1°57 | 0°34 | 15°44 | 5°25 | S 26 |
| M27 | 18 21 0 | 6° 0'26 | 21°52 | 15° 4 | 21°20 | 13°55 | 7°46 | 19°51 | 9°41 | 21°47 | 9°31 | 1°49 | 0°31 | 15°51 | 5°27 | M27 |
| T 28 | 18 24 57 | 6°57'49 | 4♑11 | 16°39 | 22°15 | 14°35 | 7°58 | 19°48 | 9°44 | 21°45 | 9°32 | 1°38 | 0°28 | 15°57 | 5°29 | T 28 |
| W29 | 18 28 53 | 7°55'12 | 16°41 | 18°15 | 23° 9 | 15°15 | 8°11 | 19°46 | 9°47 | 21°44 | 9°32 | 1°27 | 0°25 | 16° 4 | 5°31 | W29 |
| T 30 | 18 32 50 | 8♋52'33 | 29♑24 | 19♊55 | 24♎ 3 | 15♋56 | 8♎23 | 19♒43 | 9♎51 | 21♐42 | 9♎32 | 1♏16 | 0♏22 | 16♏11 | 5♉33 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 21n59 | 18s27 | 4n40 | 15n33 | 3s 4 | 23n37 | 2n40 | 23n58 | 0n43 | 19n50 | 0n24 | 15s 8 | 0s34 | 18n38 | 0n36 | 21s36 | 1n31 | 11n 4 | 16n 9 | 12s31 | 12s 4 | 14s42 | 12n41 | 0s14 |
| T 2 | 22 7 | 16 52 | 5 2 | 15 24 | 3 13 | 23 25 | 2 40 | 24 0 | 0 44 | 19 48 | 0 24 | 15 8 | 0 34 | 18 37 | 0 36 | 21 35 | 1 31 | 11 4 | 16 9 | 12 29 | 12 3 | 14 43 | 12 42 | 0 14 |
| F 3 | 22 14 | 14 28 | 5 10 | 15 18 | 3 20 | 23 12 | 2 40 | 24 1 | 0 44 | 19 45 | 0 24 | 15 9 | 0 35 | 18 37 | 0 36 | 21 35 | 1 31 | 11 4 | 16 8 | 12 27 | 12 2 | 14 44 | 12 43 | 0 14 |
| S 4 | 22 21 | 11 19 | 5 3 | 15 14 | 3 27 | 22 59 | 2 39 | 24 2 | 0 44 | 19 43 | 0 25 | 15 9 | 0 35 | 18 36 | 0 36 | 21 35 | 1 31 | 11 4 | 16 8 | 12 25 | 12 1 | 14 46 | 12 44 | 0 14 |
| S 5 | 22 28 | 7 34 | 4 40 | 15 12 | 3 33 | 22 46 | 2 39 | 24 3 | 0 45 | 19 40 | 0 25 | 15 9 | 0 35 | 18 35 | 0 36 | 21 35 | 1 31 | 11 4 | 16 7 | 12 24 | 12 0 | 14 47 | 12 45 | 0 14 |
| M 6 | 22 34 | 3 21 | 4 2 | 15 12 | 3 38 | 22 32 | 2 38 | 24 4 | 0 45 | 19 38 | 0 25 | 15 10 | 0 35 | 18 35 | 0 36 | 21 35 | 1 31 | 11 3 | 16 7 | 12 24 | 11 59 | 14 48 | 12 46 | 0 14 |
| T 7 | 22 40 | 1n 7 | 3 9 | 15 14 | 3 41 | 22 17 | 2 38 | 24 4 | 0 46 | 19 35 | 0 25 | 15 10 | 0 35 | 18 34 | 0 36 | 21 35 | 1 31 | 11 3 | 16 6 | 12 24 | 11 58 | 14 49 | 12 46 | 0 14 |
| W 8 | 22 45 | 5 40 | 2 3 | 15 18 | 3 44 | 22 2 | 2 37 | 24 5 | 0 46 | 19 33 | 0 25 | 15 10 | 0 35 | 18 33 | 0 36 | 21 35 | 1 31 | 11 3 | 16 6 | 12 24 | 11 56 | 14 50 | 12 47 | 0 14 |
| T 9 | 22 50 | 9 59 | 0 48 | 15 23 | 3 46 | 21 47 | 2 36 | 24 5 | 0 47 | 19 30 | 0 25 | 15 11 | 0 35 | 18 32 | 0 36 | 21 35 | 1 31 | 11 3 | 16 6 | 12 25 | 11 55 | 14 51 | 12 48 | 0 14 |
| F 10 | 22 55 | 13 48 | 0s31 | 15 31 | 3 47 | 21 31 | 2 35 | 24 4 | 0 47 | 19 27 | 0 25 | 15 11 | 0 36 | 18 32 | 0 36 | 21 35 | 1 31 | 11 2 | 16 5 | 12 25 | 11 54 | 14 52 | 12 49 | 0 14 |
| S 11 | 22 59 | 16 46 | 1 49 | 15 40 | 3 47 | 21 14 | 2 33 | 24 4 | 0 47 | 19 25 | 0 25 | 15 12 | 0 36 | 18 31 | 0 36 | 21 35 | 1 31 | 11 2 | 16 5 | 12 24 | 11 53 | 14 54 | 12 50 | 0 14 |
| S 12 | 23 3 | 18 38 | 3 0 | 15 50 | 3 46 | 20 58 | 2 32 | 24 3 | 0 48 | 19 22 | 0 25 | 15 12 | 0 36 | 18 30 | 0 36 | 21 35 | 1 31 | 11 2 | 16 4 | 12 23 | 11 52 | 14 55 | 12 51 | 0 14 |
| M13 | 23 6 | 19 11 | 3 58 | 16 2 | 3 44 | 20 40 | 2 31 | 24 2 | 0 48 | 19 19 | 0 25 | 15 13 | 0 36 | 18 30 | 0 36 | 21 34 | 1 31 | 11 1 | 16 4 | 12 21 | 11 51 | 14 56 | 12 51 | 0 14 |
| T 14 | 23 9 | 18 25 | 4 40 | 16 15 | 3 42 | 20 23 | 2 29 | 24 1 | 0 49 | 19 17 | 0 25 | 15 13 | 0 36 | 18 29 | 0 36 | 21 34 | 1 31 | 11 1 | 16 3 | 12 18 | 11 50 | 14 57 | 12 52 | 0 15 |
| W15 | 23 12 | 16 28 | 5 2 | 16 30 | 3 39 | 20 5 | 2 27 | 24 0 | 0 49 | 19 14 | 0 25 | 15 14 | 0 36 | 18 28 | 0 36 | 21 34 | 1 31 | 11 1 | 16 3 | 12 16 | 11 49 | 14 58 | 12 53 | 0 15 |
| T 16 | 23 14 | 13 35 | 5 6 | 16 45 | 3 35 | 19 47 | 2 25 | 23 59 | 0 49 | 19 11 | 0 25 | 15 14 | 0 36 | 18 27 | 0 36 | 21 34 | 1 31 | 11 0 | 16 2 | 12 13 | 11 48 | 14 59 | 12 54 | 0 15 |
| F 17 | 23 16 | 10 4 | 4 52 | 17 2 | 3 30 | 19 28 | 2 23 | 23 57 | 0 50 | 19 8 | 0 25 | 15 15 | 0 36 | 18 27 | 0 36 | 21 34 | 1 31 | 11 0 | 16 2 | 12 11 | 11 47 | 15 0 | 12 55 | 0 15 |
| S 18 | 23 17 | 6 9 | 4 23 | 17 19 | 3 25 | 19 9 | 2 21 | 23 55 | 0 50 | 19 5 | 0 25 | 15 16 | 0 37 | 18 26 | 0 36 | 21 34 | 1 31 | 11 0 | 16 2 | 12 9 | 11 46 | 15 1 | 12 55 | 0 15 |
| S 19 | 23 18 | 2 5 | 3 42 | 17 37 | 3 19 | 18 50 | 2 18 | 23 53 | 0 50 | 19 3 | 0 25 | 15 16 | 0 37 | 18 25 | 0 36 | 21 34 | 1 30 | 10 59 | 16 1 | 12 8 | 11 44 | 15 3 | 12 56 | 0 15 |
| M20 | 23 19 | 1s59 | 2 51 | 17 56 | 3 13 | 18 30 | 2 15 | 23 51 | 0 51 | 19 0 | 0 25 | 15 17 | 0 37 | 18 24 | 0 36 | 21 34 | 1 30 | 10 59 | 16 1 | 12 8 | 11 43 | 15 4 | 12 57 | 0 15 |
| T 21 | 23 19 | 5 52 | 1 54 | 18 15 | 3 6 | 18 10 | 2 13 | 23 48 | 0 51 | 18 57 | 0 25 | 15 18 | 0 37 | 18 23 | 0 36 | 21 34 | 1 30 | 10 58 | 16 0 | 12 8 | 11 42 | 15 5 | 12 58 | 0 15 |
| W22 | 23 18 | 9 28 | 0 52 | 18 35 | 2 58 | 17 50 | 2 10 | 23 45 | 0 52 | 18 54 | 0 25 | 15 19 | 0 37 | 18 22 | 0 36 | 21 34 | 1 30 | 10 58 | 16 0 | 12 8 | 11 41 | 15 6 | 12 58 | 0 15 |
| T 23 | 23 18 | 12 40 | 0n11 | 18 55 | 2 50 | 17 30 | 2 7 | 23 42 | 0 52 | 18 51 | 0 25 | 15 20 | 0 37 | 18 22 | 0 36 | 21 34 | 1 30 | 10 57 | 15 59 | 12 8 | 11 40 | 15 7 | 12 59 | 0 15 |
| F 24 | 23 17 | 15 21 | 1 14 | 19 16 | 2 41 | 17 9 | 2 3 | 23 39 | 0 52 | 18 48 | 0 25 | 15 20 | 0 37 | 18 21 | 0 36 | 21 34 | 1 30 | 10 57 | 15 59 | 12 8 | 11 39 | 15 8 | 13 0 | 0 15 |
| S 25 | 23 15 | 17 24 | 2 13 | 19 36 | 2 32 | 16 48 | 2 0 | 23 36 | 0 53 | 18 45 | 0 25 | 15 21 | 0 38 | 18 20 | 0 36 | 21 33 | 1 30 | 10 56 | 15 58 | 12 7 | 11 38 | 15 9 | 13 0 | 0 15 |
| S 26 | 23 13 | 18 43 | 3 7 | 19 57 | 2 23 | 16 27 | 1 56 | 23 32 | 0 53 | 18 42 | 0 25 | 15 22 | 0 38 | 18 19 | 0 36 | 21 33 | 1 30 | 10 56 | 15 58 | 12 5 | 11 37 | 15 10 | 13 1 | 0 16 |
| M27 | 23 11 | 19 11 | 3 53 | 20 17 | 2 13 | 16 5 | 1 52 | 23 28 | 0 53 | 18 39 | 0 26 | 15 23 | 0 38 | 18 18 | 0 36 | 21 33 | 1 30 | 10 55 | 15 57 | 12 2 | 11 36 | 15 11 | 13 1 | 0 16 |
| T 28 | 23 8 | 18 46 | 4 29 | 20 37 | 2 3 | 15 44 | 1 48 | 23 25 | 0 54 | 18 35 | 0 26 | 15 24 | 0 38 | 18 17 | 0 36 | 21 33 | 1 30 | 10 55 | 15 57 | 11 59 | 11 34 | 15 12 | 13 2 | 0 16 |
| W29 | 23 5 | 17 26 | 4 53 | 20 56 | 1 52 | 15 22 | 1 44 | 23 20 | 0 54 | 18 32 | 0 26 | 15 25 | 0 38 | 18 17 | 0 36 | 21 33 | 1 30 | 10 54 | 15 56 | 11 55 | 11 33 | 15 13 | 13 3 | 0 16 |
| T 30 | 23n 1 | 15s14 | 5n 3 | 21n15 | 1s41 | 15n 0 | 1n40 | 23n16 | 0n54 | 18n29 | 0n26 | 15s26 | 0s38 | 18n16 | 0n36 | 21s33 | 1n30 | 10n54 | 15n56 | 11s51 | 11s32 | 15s15 | 13n 3 | 0s16 |

Julian Day Number = 2803424.5, Delta T = 50m58s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'34, Lahiri = 37°20'34


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# ASTRODIENST EPHEMERIS for the year 2963
# geocentric

## JULY 2963 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 36 46 | 9♋49'54 | 12♒19 | 21♊38 | 24♌57 | 16♋36 | 8♌35 | 19°R40 | 9♌54 | 21°R41 | 9♎33 | 1°R 5 | 0♏18 | 16♏17 | 5♉35 | F 1 |
| S 2 | 18 40 43 | 10°47'15 | 25°26 | 23°23 | 25°49 | 17°16 | 8°48 | 19♒37 | 9°57 | 21♐39 | 9°33 | 0♏56 | 0°15 | 16°24 | 5°37 | S 2 |
| S 3 | 18 44 40 | 11°44'35 | 8♓46 | 25°11 | 26°41 | 17°56 | 9° 1 | 19°34 | 10° 0 | 21°38 | 9°33 | 0°50 | 0°12 | 16°31 | 5°39 | S 3 |
| M 4 | 18 48 36 | 12°41'54 | 22°17 | 27° 2 | 27°33 | 18°37 | 9°13 | 19°31 | 10° 4 | 21°36 | 9°34 | 0°46 | 0° 9 | 16°37 | 5°41 | M 4 |
| T 5 | 18 52 33 | 13°39'14 | 6♈ 0 | 28°55 | 28°24 | 19°17 | 9°26 | 19°28 | 10° 7 | 21°35 | 9°34 | 0°45 | 0° 6 | 16°44 | 5°43 | T 5 |
| W 6 | 18 56 29 | 14°36'33 | 19°56 | 0♋50 | 29°14 | 19°57 | 9°39 | 19°25 | 10°10 | 21°33 | 9°35 | 0°D45 | 0° 2 | 16°51 | 5°44 | W 6 |
| T 7 | 19 0 26 | 15°33'52 | 4♉ 5 | 2°49 | 0♍ 3 | 20°37 | 9°51 | 19°21 | 10°14 | 21°32 | 9°35 | 0°R45 | 29♎59 | 16°57 | 5°46 | T 7 |
| F 8 | 19 4 22 | 16°31'11 | 18°25 | 4°49 | 0°52 | 21°17 | 10° 4 | 19°18 | 10°17 | 21°30 | 9°36 | 0°44 | 29°56 | 17° 4 | 5°48 | F 8 |
| S 9 | 19 8 19 | 17°28'30 | 2♊56 | 6°52 | 1°40 | 21°57 | 10°17 | 19°15 | 10°21 | 21°29 | 9°37 | 0°41 | 29°53 | 17°10 | 5°49 | S 9 |
| S 10 | 19 12 15 | 18°25'49 | 17°31 | 8°56 | 2°27 | 22°37 | 10°30 | 19°11 | 10°24 | 21°28 | 9°37 | 0°35 | 29°50 | 17°17 | 5°51 | S 10 |
| M11 | 19 16 12 | 19°23'07 | 2♋ 6 | 11° 2 | 3°13 | 23°17 | 10°43 | 19° 8 | 10°28 | 21°26 | 9°38 | 0°27 | 29°47 | 17°24 | 5°52 | M11 |
| T 12 | 19 20 9 | 20°20'25 | 16°34 | 13°10 | 3°59 | 23°57 | 10°56 | 19° 4 | 10°31 | 21°25 | 9°39 | 0°16 | 29°43 | 17°30 | 5°54 | T 12 |
| W13 | 19 24 5 | 21°17'43 | 0♌49 | 15°19 | 4°43 | 24°37 | 11° 9 | 19° 1 | 10°35 | 21°23 | 9°39 | 0° 5 | 29°40 | 17°37 | 5°55 | W13 |
| T 14 | 19 28 2 | 22°15'01 | 14°43 | 17°29 | 5°27 | 25°17 | 11°22 | 18°57 | 10°38 | 21°22 | 9°40 | 29♎54 | 29°37 | 17°44 | 5°57 | T 14 |
| F 15 | 19 31 58 | 23°12'18 | 28°15 | 19°39 | 6°10 | 25°57 | 11°35 | 18°53 | 10°42 | 21°21 | 9°41 | 29°44 | 29°34 | 17°50 | 5°58 | F 15 |
| S 16 | 19 35 55 | 24° 9'35 | 11♍22 | 21°50 | 6°51 | 26°36 | 11°48 | 18°49 | 10°45 | 21°19 | 9°42 | 29°36 | 29°31 | 17°57 | 5°59 | S 16 |
| S 17 | 19 39 51 | 25° 6'51 | 24° 5 | 24° 1 | 7°32 | 27°16 | 12° 1 | 18°46 | 10°49 | 21°18 | 9°43 | 29°31 | 29°28 | 18° 4 | 6° 0 | S 17 |
| M18 | 19 43 48 | 26° 4'07 | 6♎28 | 26°12 | 8°11 | 27°56 | 12°14 | 18°42 | 10°52 | 21°17 | 9°43 | 29°28 | 29°24 | 18°10 | 6° 2 | M18 |
| T 19 | 19 47 44 | 27° 1'23 | 18°34 | 28°22 | 8°50 | 28°36 | 12°27 | 18°38 | 10°56 | 21°16 | 9°44 | 29°27 | 29°21 | 18°17 | 6° 3 | T 19 |
| W20 | 19 51 41 | 27°58'38 | 0♏29 | 0♌32 | 9°27 | 29°15 | 12°40 | 18°34 | 11° 0 | 21°14 | 9°45 | 29°27 | 29°18 | 18°24 | 6° 4 | W20 |
| T 21 | 19 55 38 | 28°55'53 | 12°19 | 2°41 | 10° 3 | 29°55 | 12°53 | 18°30 | 11° 3 | 21°13 | 9°46 | 29°27 | 29°15 | 18°30 | 6° 5 | T 21 |
| F 22 | 19 59 34 | 29°53'07 | 24° 7 | 4°48 | 10°38 | 0♌34 | 13° 6 | 18°26 | 11° 7 | 21°12 | 9°47 | 29°25 | 29°12 | 18°37 | 6° 6 | F 22 |
| S 23 | 20 3 31 | 0♌50'22 | 6♐ 1 | 6°55 | 11°12 | 1°14 | 13°20 | 18°21 | 11°10 | 21°11 | 9°48 | 29°21 | 29° 8 | 18°44 | 6° 7 | S 23 |
| S 24 | 20 7 27 | 1°47'36 | 18° 4 | 9° 0 | 11°44 | 1°54 | 13°33 | 18°17 | 11°14 | 21°10 | 9°49 | 29°15 | 29° 5 | 18°50 | 6° 8 | S 24 |
| M25 | 20 11 24 | 2°44'51 | 0♑19 | 11° 3 | 12°15 | 2°33 | 13°46 | 18°13 | 11°18 | 21° 9 | 9°50 | 29° 7 | 29° 2 | 18°57 | 6° 8 | M25 |
| T 26 | 20 15 20 | 3°42'05 | 12°49 | 13° 5 | 12°44 | 3°13 | 13°59 | 18° 9 | 11°21 | 21° 7 | 9°52 | 28°56 | 28°59 | 19° 4 | 6° 9 | T 26 |
| W27 | 20 19 17 | 4°39'19 | 25°35 | 15° 5 | 13°12 | 3°52 | 14°13 | 18° 5 | 11°25 | 21° 6 | 9°53 | 28°44 | 28°56 | 19°10 | 6°10 | W27 |
| T 28 | 20 23 13 | 5°36'33 | 8♒37 | 17° 4 | 13°38 | 4°31 | 14°26 | 18° 0 | 11°29 | 21° 5 | 9°54 | 28°31 | 28°53 | 19°17 | 6°10 | T 28 |
| F 29 | 20 27 10 | 6°33'48 | 21°54 | 19° 0 | 14° 3 | 5°11 | 14°39 | 17°56 | 11°32 | 21° 4 | 9°55 | 28°19 | 28°49 | 19°24 | 6°11 | F 29 |
| S 30 | 20 31 7 | 7°31'03 | 5♓24 | 20°55 | 14°26 | 5°50 | 14°53 | 17°52 | 11°36 | 21° 3 | 9°56 | 28°10 | 28°46 | 19°30 | 6°12 | S 30 |
| S 31 | 20 35 3 | 8♌28'18 | 19♓ 4 | 22♌48 | 14♍47 | 6♌29 | 15♌ 6 | 17♒47 | 11♌40 | 21♐ 2 | 9♎58 | 28♎ 3 | 28♎43 | 19♏37 | 6♉12 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22n57 | 12s15 | 4n57 | 21n33 | 1s30 | 14n38 | 1n35 | 23n12 | 0n55 | 18n26 | 0n26 | 15s27 | 0s38 | 18n15 | 0n36 | 21s33 | 1n30 | 10n53 | 15n55 | 11s47 | 11s31 | 15s16 | 13n 4 | 0s16 | F 1 |
| S 2 | 22 53 | 8 38 | 4 36 | 21 50 | 1 19 | 14 16 | 1 30 | 23 7 | 0 55 | 18 23 | 0 26 | 15 28 | 0 38 | 18 14 | 0 36 | 21 33 | 1 30 | 10 53 | 15 55 | 11 44 | 11 30 | 15 17 | 13 4 | 0 16 | S 2 |
| S 3 | 22 48 | 4 32 | 3 59 | 22 6 | 1 8 | 13 53 | 1 25 | 23 2 | 0 55 | 18 19 | 0 26 | 15 29 | 0 39 | 18 13 | 0 36 | 21 33 | 1 30 | 10 52 | 15 55 | 11 42 | 11 29 | 15 18 | 13 5 | 0 16 | S 3 |
| M 4 | 22 43 | 0 9 | 3 9 | 22 21 | 0 56 | 13 31 | 1 20 | 22 57 | 0 56 | 18 16 | 0 26 | 15 30 | 0 39 | 18 12 | 0 36 | 21 33 | 1 30 | 10 52 | 15 54 | 11 41 | 11 28 | 15 19 | 13 5 | 0 16 | M 4 |
| T 5 | 22 37 | 4n19 | 2 7 | 22 34 | 0 44 | 13 8 | 1 15 | 22 52 | 0 56 | 18 13 | 0 26 | 15 31 | 0 39 | 18 11 | 0 36 | 21 33 | 1 30 | 10 51 | 15 54 | 11 40 | 11 27 | 15 20 | 13 6 | 0 16 | T 5 |
| W 6 | 22 31 | 8 38 | 0 57 | 22 46 | 0 33 | 12 46 | 1 9 | 22 46 | 0 56 | 18 10 | 0 26 | 15 32 | 0 39 | 18 10 | 0 36 | 21 33 | 1 30 | 10 50 | 15 53 | 11 40 | 11 26 | 15 21 | 13 6 | 0 16 | W 6 |
| T 7 | 22 25 | 12 32 | 0s18 | 22 56 | 0 21 | 12 23 | 1 3 | 22 40 | 0 57 | 18 6 | 0 26 | 15 33 | 0 39 | 18 9 | 0 36 | 21 33 | 1 30 | 10 50 | 15 53 | 11 40 | 11 24 | 15 22 | 13 7 | 0 16 | T 7 |
| F 8 | 22 18 | 15 44 | 1 32 | 23 4 | 0 10 | 12 0 | 0 57 | 22 35 | 0 57 | 18 3 | 0 26 | 15 35 | 0 39 | 18 8 | 0 36 | 21 33 | 1 30 | 10 49 | 15 52 | 11 40 | 11 23 | 15 23 | 13 7 | 0 17 | F 8 |
| S 9 | 22 11 | 17 59 | 2 42 | 23 9 | 0n 1 | 11 37 | 0 51 | 22 29 | 0 57 | 18 0 | 0 26 | 15 36 | 0 39 | 18 8 | 0 36 | 21 32 | 1 30 | 10 48 | 15 52 | 11 39 | 11 22 | 15 24 | 13 8 | 0 17 | S 9 |
| S 10 | 22 3 | 19 4 | 3 41 | 23 13 | 0 12 | 11 15 | 0 45 | 22 22 | 0 58 | 17 56 | 0 26 | 15 37 | 0 39 | 18 7 | 0 36 | 21 32 | 1 30 | 10 48 | 15 51 | 11 37 | 11 21 | 15 25 | 13 8 | 0 17 | S 10 |
| M11 | 21 55 | 18 52 | 4 26 | 23 14 | 0 23 | 10 52 | 0 38 | 22 16 | 0 58 | 17 53 | 0 26 | 15 38 | 0 40 | 18 6 | 0 36 | 21 32 | 1 30 | 10 47 | 15 51 | 11 34 | 11 20 | 15 26 | 13 9 | 0 17 | M11 |
| T 12 | 21 47 | 17 27 | 4 53 | 23 13 | 0 33 | 10 29 | 0 31 | 22 9 | 0 58 | 17 49 | 0 26 | 15 39 | 0 40 | 18 5 | 0 36 | 21 32 | 1 30 | 10 46 | 15 50 | 11 30 | 11 19 | 15 27 | 13 9 | 0 17 | T 12 |
| W13 | 21 38 | 14 58 | 5 1 | 23 9 | 0 43 | 10 6 | 0 24 | 22 3 | 0 58 | 17 46 | 0 26 | 15 41 | 0 40 | 18 4 | 0 36 | 21 32 | 1 30 | 10 46 | 15 50 | 11 26 | 11 18 | 15 28 | 13 9 | 0 17 | W13 |
| T 14 | 21 29 | 11 41 | 4 51 | 23 2 | 0 52 | 9 43 | 0 17 | 21 56 | 0 59 | 17 42 | 0 26 | 15 42 | 0 40 | 18 3 | 0 36 | 21 32 | 1 30 | 10 45 | 15 50 | 11 23 | 11 17 | 15 29 | 13 10 | 0 17 | T 14 |
| F 15 | 21 20 | 7 52 | 4 25 | 22 53 | 1 1 | 9 21 | 0 9 | 21 49 | 0 59 | 17 39 | 0 27 | 15 43 | 0 40 | 18 2 | 0 36 | 21 32 | 1 30 | 10 44 | 15 49 | 11 19 | 11 16 | 15 30 | 13 10 | 0 17 | F 15 |
| S 16 | 21 10 | 3 47 | 3 46 | 22 41 | 1 9 | 8 58 | 0 1 | 21 42 | 0 59 | 17 35 | 0 27 | 15 44 | 0 40 | 18 1 | 0 36 | 21 32 | 1 30 | 10 44 | 15 49 | 11 16 | 11 14 | 15 31 | 13 10 | 0 17 | S 16 |
| S 17 | 21 0 | 0s21 | 2 56 | 22 27 | 1 16 | 8 36 | 0s 7 | 21 34 | 1 0 | 17 32 | 0 27 | 15 46 | 0 40 | 18 0 | 0 36 | 21 32 | 1 30 | 10 43 | 15 48 | 11 14 | 11 13 | 15 32 | 13 11 | 0 17 | S 17 |
| M18 | 20 49 | 4 22 | 1 59 | 22 9 | 1 23 | 8 13 | 0 15 | 21 27 | 1 0 | 17 28 | 0 27 | 15 47 | 0 40 | 17 59 | 0 36 | 21 32 | 1 30 | 10 42 | 15 48 | 11 13 | 11 12 | 15 33 | 13 11 | 0 17 | M18 |
| T 19 | 20 39 | 8 8 | 0 57 | 21 50 | 1 29 | 7 51 | 0 23 | 21 19 | 1 0 | 17 24 | 0 27 | 15 48 | 0 40 | 17 58 | 0 36 | 21 32 | 1 30 | 10 41 | 15 47 | 11 13 | 11 11 | 15 34 | 13 11 | 0 18 | T 19 |
| W20 | 20 27 | 11 30 | 0n 6 | 21 28 | 1 34 | 7 29 | 0 32 | 21 11 | 1 0 | 17 21 | 0 27 | 15 50 | 0 41 | 17 57 | 0 36 | 21 32 | 1 30 | 10 41 | 15 47 | 11 13 | 11 10 | 15 35 | 13 12 | 0 18 | W20 |
| T 21 | 20 16 | 14 22 | 1 8 | 21 3 | 1 38 | 7 7 | 0 41 | 21 3 | 1 1 | 17 17 | 0 27 | 15 51 | 0 41 | 17 56 | 0 36 | 21 32 | 1 30 | 10 40 | 15 46 | 11 13 | 11 9 | 15 36 | 13 12 | 0 18 | T 21 |
| F 22 | 20 4 | 16 39 | 2 7 | 20 37 | 1 42 | 6 46 | 0 50 | 20 55 | 1 1 | 17 13 | 0 27 | 15 52 | 0 41 | 17 55 | 0 36 | 21 32 | 1 30 | 10 39 | 15 46 | 11 12 | 11 8 | 15 37 | 13 12 | 0 18 | F 22 |
| S 23 | 19 52 | 18 14 | 3 1 | 20 8 | 1 45 | 6 24 | 1 0 | 20 46 | 1 1 | 17 10 | 0 27 | 15 54 | 0 41 | 17 54 | 0 36 | 21 32 | 1 30 | 10 38 | 15 46 | 11 11 | 11 7 | 15 38 | 13 12 | 0 18 | S 23 |
| S 24 | 19 39 | 19 0 | 3 47 | 19 38 | 1 47 | 6 3 | 1 9 | 20 38 | 1 1 | 17 6 | 0 27 | 15 55 | 0 41 | 17 53 | 0 36 | 21 32 | 1 30 | 10 37 | 15 45 | 11 9 | 11 6 | 15 39 | 13 13 | 0 18 | S 24 |
| M25 | 19 26 | 18 55 | 4 24 | 19 6 | 1 48 | 5 42 | 1 19 | 20 29 | 1 2 | 17 2 | 0 27 | 15 56 | 0 41 | 17 52 | 0 36 | 21 32 | 1 30 | 10 37 | 15 45 | 11 6 | 11 4 | 15 40 | 13 13 | 0 18 | M25 |
| T 26 | 19 13 | 17 54 | 4 49 | 18 32 | 1 49 | 5 22 | 1 30 | 20 20 | 1 2 | 16 59 | 0 27 | 15 58 | 0 41 | 17 51 | 0 36 | 21 32 | 1 30 | 10 36 | 15 44 | 11 2 | 11 3 | 15 41 | 13 13 | 0 18 | T 26 |
| W27 | 19 0 | 15 59 | 5 0 | 17 58 | 1 49 | 5 2 | 1 40 | 20 11 | 1 2 | 16 55 | 0 27 | 15 59 | 0 41 | 17 50 | 0 36 | 21 32 | 1 29 | 10 35 | 15 44 | 10 58 | 11 2 | 15 42 | 13 13 | 0 18 | W27 |
| T 28 | 18 46 | 13 14 | 4 56 | 17 21 | 1 48 | 4 42 | 1 51 | 20 2 | 1 2 | 16 51 | 0 27 | 16 1 | 0 41 | 17 49 | 0 36 | 21 32 | 1 29 | 10 34 | 15 44 | 10 53 | 11 1 | 15 43 | 13 13 | 0 18 | T 28 |
| F 29 | 18 32 | 9 46 | 4 36 | 16 44 | 1 47 | 4 22 | 2 2 | 19 53 | 1 3 | 16 47 | 0 27 | 16 2 | 0 42 | 17 48 | 0 36 | 21 32 | 1 29 | 10 33 | 15 43 | 10 49 | 11 0 | 15 44 | 13 13 | 0 18 | F 29 |
| S 30 | 18 18 | 5 45 | 4 0 | 16 6 | 1 45 | 4 3 | 2 13 | 19 44 | 1 3 | 16 44 | 0 28 | 16 3 | 0 42 | 17 47 | 0 36 | 21 32 | 1 29 | 10 33 | 15 43 | 10 46 | 10 59 | 15 45 | 13 13 | 0 19 | S 30 |
| S 31 | 18n 3 | 1s23 | 3n10 | 15n27 | 1n42 | 3n45 | 2s24 | 19n34 | 1n 3 | 16n40 | 0n28 | 16s 5 | 0s42 | 17n46 | 0n36 | 21s32 | 1n29 | 10n32 | 15n42 | 10s43 | 10s58 | 15s46 | 13n13 | 0s19 | S 31 |

Julian Day Number = 2803454.5, Delta T = 50m59s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'38, Lahiri = 37°20'38


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# ASTRODIENST EPHEMERIS for the year 2963
# geocentric

## AUGUST 2963 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 39 0 | 9♌25'33 | 2♈53 | 24♌39 | 15♍ 6 | 7♌ 9 | 15♌19 | 17°R43 | 11♌43 | 21°R 1 | 9♎59 | 27°R58 | 28♎40 | 19♏44 | 6♉13 | M 1 |
| T 2 | 20 42 56 | 10°22'50 | 16°48 | 26°28 | 15°24 | 7°48 | 15°32 | 17♒39 | 11°47 | 21♐ 0 | 10° 0 | 27♎56 | 28°37 | 19°50 | 6°13 | T 2 |
| W 3 | 20 46 53 | 11°20'06 | 0♉49 | 28°16 | 15°39 | 8°27 | 15°46 | 17°34 | 11°51 | 21° 0 | 10° 2 | 27°D56 | 28°34 | 19°57 | 6°13 | W 3 |
| T 4 | 20 50 49 | 12°17'24 | 14°55 | 0♍ 1 | 15°53 | 9° 6 | 15°59 | 17°30 | 11°54 | 20°59 | 10° 3 | 27°R56 | 28°30 | 20° 3 | 6°14 | T 4 |
| F 5 | 20 54 46 | 13°14'42 | 29° 5 | 1°45 | 16° 5 | 9°46 | 16°13 | 17°25 | 11°58 | 20°58 | 10° 4 | 27°55 | 28°27 | 20°10 | 6°14 | F 5 |
| S 6 | 20 58 42 | 14°12'02 | 13♊18 | 3°27 | 16°14 | 10°25 | 16°26 | 17°21 | 12° 2 | 20°57 | 10° 6 | 27°53 | 28°24 | 20°17 | 6°14 | S 6 |
| S 7 | 21 2 39 | 15° 9'22 | 27°31 | 5° 7 | 16°22 | 11° 4 | 16°39 | 17°16 | 12° 5 | 20°56 | 10° 7 | 27°47 | 28°21 | 20°23 | 6°14 | S 7 |
| M 8 | 21 6 36 | 16° 6'42 | 11♋41 | 6°45 | 16°27 | 11°43 | 16°53 | 17°12 | 12° 9 | 20°55 | 10° 9 | 27°40 | 28°18 | 20°30 | 6°14 | M 8 |
| T 9 | 21 10 32 | 17° 4'04 | 25°44 | 8°22 | 16°30 | 12°22 | 17° 6 | 17° 7 | 12°13 | 20°55 | 10°10 | 27°30 | 28°14 | 20°37 | 6°R14 | T 9 |
| W10 | 21 14 29 | 18° 1'26 | 9♌35 | 9°56 | 16°R31 | 13° 1 | 17°19 | 17° 3 | 12°16 | 20°54 | 10°12 | 27°19 | 28°11 | 20°43 | 6°14 | W10 |
| T 11 | 21 18 25 | 18°58'48 | 23°11 | 11°29 | 16°29 | 13°40 | 17°33 | 16°59 | 12°20 | 20°53 | 10°13 | 27° 8 | 28° 8 | 20°50 | 6°14 | T 11 |
| F 12 | 21 22 22 | 19°56'11 | 6♍29 | 13° 0 | 16°25 | 14°19 | 17°46 | 16°54 | 12°24 | 20°53 | 10°15 | 26°59 | 28° 5 | 20°57 | 6°14 | F 12 |
| S 13 | 21 26 18 | 20°53'35 | 19°26 | 14°29 | 16°19 | 14°58 | 17°59 | 16°50 | 12°27 | 20°52 | 10°16 | 26°51 | 28° 2 | 21° 3 | 6°14 | S 13 |
| S 14 | 21 30 15 | 21°50'59 | 2♎ 3 | 15°56 | 16°10 | 15°37 | 18°13 | 16°45 | 12°31 | 20°51 | 10°18 | 26°46 | 27°59 | 21°10 | 6°13 | S 14 |
| M15 | 21 34 11 | 22°48'24 | 14°23 | 17°21 | 15°59 | 16°16 | 18°26 | 16°41 | 12°34 | 20°51 | 10°20 | 26°43 | 27°55 | 21°17 | 6°13 | M15 |
| T 16 | 21 38 8 | 23°45'49 | 26°29 | 18°45 | 15°46 | 16°55 | 18°39 | 16°36 | 12°38 | 20°50 | 10°21 | 26°D42 | 27°52 | 21°23 | 6°13 | T 16 |
| W17 | 21 42 5 | 24°43'15 | 8♏24 | 20° 6 | 15°30 | 17°34 | 18°53 | 16°32 | 12°42 | 20°50 | 10°23 | 26°43 | 27°49 | 21°30 | 6°12 | W17 |
| T 18 | 21 46 1 | 25°40'42 | 20°13 | 21°25 | 15°12 | 18°13 | 19° 6 | 16°27 | 12°45 | 20°49 | 10°25 | 26°R44 | 27°46 | 21°37 | 6°12 | T 18 |
| F 19 | 21 49 58 | 26°38'09 | 2♐ 3 | 22°43 | 14°51 | 18°51 | 19°19 | 16°23 | 12°49 | 20°49 | 10°26 | 26°43 | 27°43 | 21°43 | 6°11 | F 19 |
| S 20 | 21 53 54 | 27°35'37 | 13°58 | 23°58 | 14°29 | 19°30 | 19°33 | 16°19 | 12°52 | 20°48 | 10°28 | 26°42 | 27°39 | 21°50 | 6°11 | S 20 |
| S 21 | 21 57 51 | 28°33'05 | 26° 3 | 25°11 | 14° 4 | 20° 9 | 19°46 | 16°14 | 12°56 | 20°48 | 10°30 | 26°38 | 27°36 | 21°57 | 6°10 | S 21 |
| M22 | 22 1 47 | 29°30'34 | 8♑23 | 26°22 | 13°37 | 20°48 | 19°59 | 16°10 | 13° 0 | 20°48 | 10°32 | 26°33 | 27°33 | 22° 3 | 6°10 | M22 |
| T 23 | 22 5 44 | 0♍28'04 | 21° 1 | 27°31 | 13° 9 | 21°26 | 20°12 | 16° 6 | 13° 3 | 20°47 | 10°33 | 26°25 | 27°30 | 22°10 | 6° 9 | T 23 |
| W24 | 22 9 40 | 1°25'34 | 3♒59 | 28°37 | 12°38 | 22° 5 | 20°26 | 16° 2 | 13° 7 | 20°47 | 10°35 | 26°16 | 27°27 | 22°17 | 6° 8 | W24 |
| T 25 | 22 13 37 | 2°23'06 | 17°17 | 29°41 | 12° 6 | 22°44 | 20°39 | 15°58 | 13°10 | 20°47 | 10°37 | 26° 7 | 27°24 | 22°23 | 6° 7 | T 25 |
| F 26 | 22 17 34 | 3°20'38 | 0♓54 | 0♎42 | 11°33 | 23°22 | 20°52 | 15°53 | 13°14 | 20°47 | 10°39 | 25°59 | 27°20 | 22°30 | 6° 6 | F 26 |
| S 27 | 22 21 30 | 4°18'11 | 14°48 | 1°40 | 10°58 | 24° 1 | 21° 5 | 15°49 | 13°17 | 20°46 | 10°41 | 25°52 | 27°17 | 22°37 | 6° 5 | S 27 |
| S 28 | 22 25 27 | 5°15'46 | 28°53 | 2°36 | 10°22 | 24°40 | 21°18 | 15°45 | 13°21 | 20°46 | 10°43 | 25°47 | 27°14 | 22°43 | 6° 4 | S 28 |
| M29 | 22 29 23 | 6°13'22 | 13♈ 6 | 3°28 | 9°46 | 25°18 | 21°31 | 15°41 | 13°24 | 20°46 | 10°45 | 25°44 | 27°11 | 22°50 | 6° 3 | M29 |
| T 30 | 22 33 20 | 7°10'59 | 27°23 | 4°18 | 9° 9 | 25°57 | 21°44 | 15°37 | 13°28 | 20°46 | 10°46 | 25°D43 | 27° 8 | 22°57 | 6° 2 | T 30 |
| W31 | 22 37 16 | 8♍ 8'37 | 11♉40 | 5♎ 4 | 8♍31 | 26♌35 | 21♌58 | 15♒33 | 13♌31 | 20♐46 | 10♎48 | 25♎44 | 27♎ 5 | 23♏ 3 | 6♉ 1 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 17n48 | 3n 7 | 2n 9 | 14n47 | 1n39 | 3n26 | 2s36 | 19n25 | 1n 3 | 16n36 | 0n28 | 16s 6 | 0s42 | 17n45 | 0n36 | 21s32 | 1n29 | 10n31 | 15n42 | 10s42 | 10s57 | 15s47 | 13n13 | 0s19 | |
| T 2 | 17 33 | 7 28 | 0 59 | 14 7 | 1 35 | 3 9 | 2 48 | 19 15 | 1 4 | 16 32 | 0 28 | 16 8 | 0 42 | 17 44 | 0 36 | 21 31 | 1 29 | 10 30 | 15 42 | 10 41 | 10 55 | 15 48 | 13 13 | 0 19 | |
| W 3 | 17 17 | 11 28 | 0s15 | 13 26 | 1 30 | 2 52 | 3 0 | 19 5 | 1 4 | 16 28 | 0 28 | 16 9 | 0 42 | 17 43 | 0 36 | 21 31 | 1 29 | 10 29 | 15 41 | 10 41 | 10 54 | 15 49 | 13 14 | 0 19 | |
| T 4 | 17 1 | 14 49 | 1 29 | 12 44 | 1 26 | 2 35 | 3 12 | 18 55 | 1 4 | 16 24 | 0 28 | 16 11 | 0 42 | 17 42 | 0 36 | 21 31 | 1 29 | 10 28 | 15 41 | 10 41 | 10 53 | 15 50 | 13 14 | 0 19 | |
| F 5 | 16 45 | 17 17 | 2 37 | 12 3 | 1 20 | 2 19 | 3 24 | 18 45 | 1 4 | 16 20 | 0 28 | 16 12 | 0 42 | 17 41 | 0 36 | 21 31 | 1 29 | 10 27 | 15 40 | 10 41 | 10 52 | 15 51 | 13 14 | 0 19 | |
| S 6 | 16 29 | 18 42 | 3 36 | 11 21 | 1 14 | 2 4 | 3 37 | 18 34 | 1 4 | 16 16 | 0 28 | 16 14 | 0 42 | 17 40 | 0 36 | 21 31 | 1 29 | 10 27 | 15 40 | 10 40 | 10 51 | 15 52 | 13 13 | 0 19 | |
| S 7 | 16 12 | 18 56 | 4 22 | 10 39 | 1 8 | 1 49 | 3 50 | 18 24 | 1 5 | 16 13 | 0 28 | 16 15 | 0 42 | 17 39 | 0 36 | 21 31 | 1 29 | 10 26 | 15 40 | 10 38 | 10 50 | 15 53 | 13 13 | 0 19 | |
| M 8 | 15 55 | 17 58 | 4 51 | 9 56 | 1 1 | 1 35 | 4 3 | 18 13 | 1 5 | 16 9 | 0 28 | 16 16 | 0 42 | 17 38 | 0 36 | 21 31 | 1 29 | 10 25 | 15 39 | 10 35 | 10 49 | 15 54 | 13 13 | 0 19 | |
| T 9 | 15 38 | 15 56 | 5 2 | 9 14 | 0 54 | 1 22 | 4 16 | 18 2 | 1 5 | 16 5 | 0 28 | 16 18 | 0 43 | 17 37 | 0 36 | 21 31 | 1 29 | 10 24 | 15 39 | 10 32 | 10 48 | 15 55 | 13 13 | 0 19 | |
| W10 | 15 21 | 13 0 | 4 56 | 8 32 | 0 47 | 1 10 | 4 29 | 17 52 | 1 5 | 16 1 | 0 28 | 16 19 | 0 43 | 17 36 | 0 36 | 21 31 | 1 29 | 10 23 | 15 39 | 10 28 | 10 46 | 15 56 | 13 13 | 0 20 | |
| T 11 | 15 3 | 9 26 | 4 32 | 7 50 | 0 39 | 0 58 | 4 42 | 17 41 | 1 5 | 15 57 | 0 28 | 16 21 | 0 43 | 17 35 | 0 36 | 21 31 | 1 29 | 10 22 | 15 38 | 10 24 | 10 45 | 15 57 | 13 13 | 0 20 | |
| F 12 | 14 45 | 5 27 | 3 54 | 7 7 | 0 31 | 0 48 | 4 55 | 17 30 | 1 6 | 15 53 | 0 29 | 16 22 | 0 43 | 17 34 | 0 36 | 21 31 | 1 29 | 10 21 | 15 38 | 10 21 | 10 44 | 15 58 | 13 13 | 0 20 | |
| S 13 | 14 27 | 1 19 | 3 5 | 6 26 | 0 23 | 0 38 | 5 8 | 17 18 | 1 6 | 15 49 | 0 29 | 16 24 | 0 43 | 17 33 | 0 36 | 21 31 | 1 29 | 10 20 | 15 38 | 10 18 | 10 43 | 15 59 | 13 13 | 0 20 | |
| S 14 | 14 9 | 2s46 | 2 8 | 5 44 | 0 14 | 0 29 | 5 21 | 17 7 | 1 6 | 15 45 | 0 29 | 16 25 | 0 43 | 17 32 | 0 36 | 21 31 | 1 29 | 10 19 | 15 37 | 10 16 | 10 42 | 16 0 | 13 13 | 0 20 | |
| M15 | 13 50 | 6 39 | 1 5 | 5 3 | 0 5 | 0 21 | 5 34 | 16 56 | 1 6 | 15 41 | 0 29 | 16 26 | 0 43 | 17 31 | 0 36 | 21 31 | 1 29 | 10 18 | 15 37 | 10 15 | 10 41 | 16 1 | 13 12 | 0 20 | |
| T 16 | 13 32 | 10 11 | 0 1 | 4 22 | 0s 4 | 0 14 | 5 47 | 16 44 | 1 6 | 15 37 | 0 29 | 16 28 | 0 43 | 17 30 | 0 36 | 21 31 | 1 29 | 10 17 | 15 37 | 10 15 | 10 40 | 16 1 | 13 12 | 0 20 | |
| W17 | 13 13 | 13 15 | 1n 2 | 3 42 | 0 14 | 0 9 | 6 0 | 16 33 | 1 7 | 15 33 | 0 29 | 16 29 | 0 43 | 17 29 | 0 36 | 21 31 | 1 29 | 10 17 | 15 36 | 10 15 | 10 39 | 16 2 | 13 12 | 0 20 | |
| T 18 | 12 54 | 15 44 | 2 3 | 3 2 | 0 23 | 0 4 | 6 13 | 16 21 | 1 7 | 15 29 | 0 29 | 16 30 | 0 43 | 17 28 | 0 36 | 21 32 | 1 28 | 10 16 | 15 36 | 10 15 | 10 37 | 16 3 | 13 12 | 0 20 | |
| F 19 | 12 34 | 17 34 | 2 58 | 2 22 | 0 33 | 0 0 | 6 25 | 16 9 | 1 7 | 15 25 | 0 29 | 16 32 | 0 43 | 17 27 | 0 36 | 21 32 | 1 28 | 10 15 | 15 36 | 10 15 | 10 36 | 16 4 | 13 11 | 0 20 | |
| S 20 | 12 15 | 18 37 | 3 45 | 1 43 | 0 43 | 0s 2 | 6 37 | 15 57 | 1 7 | 15 21 | 0 29 | 16 33 | 0 43 | 17 26 | 0 36 | 21 32 | 1 28 | 10 14 | 15 36 | 10 15 | 10 35 | 16 5 | 13 11 | 0 21 | |
| S 21 | 11 55 | 18 51 | 4 24 | 1 5 | 0 53 | 0 4 | 6 49 | 15 45 | 1 7 | 15 16 | 0 29 | 16 35 | 0 43 | 17 25 | 0 36 | 21 32 | 1 28 | 10 13 | 15 35 | 10 13 | 10 34 | 16 6 | 13 11 | 0 21 | |
| M22 | 11 35 | 18 13 | 4 51 | 0 28 | 1 4 | 0 4 | 7 0 | 15 33 | 1 7 | 15 12 | 0 29 | 16 36 | 0 44 | 17 24 | 0 36 | 21 32 | 1 28 | 10 12 | 15 35 | 10 11 | 10 33 | 16 7 | 13 11 | 0 21 | |
| T 23 | 11 15 | 16 40 | 5 5 | 0s 9 | 1 14 | 0 3 | 7 11 | 15 21 | 1 8 | 15 8 | 0 30 | 16 37 | 0 44 | 17 23 | 0 36 | 21 32 | 1 28 | 10 11 | 15 35 | 10 8 | 10 32 | 16 8 | 13 10 | 0 21 | |
| W24 | 10 55 | 14 14 | 5 3 | 0 45 | 1 25 | 0 1 | 7 21 | 15 8 | 1 8 | 15 4 | 0 30 | 16 39 | 0 44 | 17 22 | 0 36 | 21 32 | 1 28 | 10 10 | 15 34 | 10 5 | 10 31 | 16 9 | 13 10 | 0 21 | |
| T 25 | 10 34 | 11 2 | 4 46 | 1 20 | 1 36 | 0n 2 | 7 30 | 14 56 | 1 8 | 15 0 | 0 30 | 16 40 | 0 44 | 17 21 | 0 36 | 21 32 | 1 28 | 10 9 | 15 34 | 10 2 | 10 29 | 16 10 | 13 10 | 0 21 | |
| F 26 | 10 14 | 7 10 | 4 12 | 1 54 | 1 46 | 0 6 | 7 39 | 14 44 | 1 8 | 14 56 | 0 30 | 16 41 | 0 44 | 17 20 | 0 36 | 21 32 | 1 28 | 10 8 | 15 34 | 9 59 | 10 28 | 16 11 | 13 9 | 0 21 | |
| S 27 | 9 53 | 2 51 | 3 22 | 2 27 | 1 57 | 0 12 | 7 47 | 14 31 | 1 8 | 14 52 | 0 30 | 16 42 | 0 44 | 17 19 | 0 36 | 21 32 | 1 28 | 10 7 | 15 34 | 9 56 | 10 27 | 16 11 | 13 9 | 0 21 | |
| S 28 | 9 32 | 1n42 | 2 20 | 2 59 | 2 8 | 0 18 | 7 55 | 14 18 | 1 8 | 14 48 | 0 30 | 16 44 | 0 44 | 17 18 | 0 36 | 21 32 | 1 28 | 10 6 | 15 33 | 9 55 | 10 26 | 16 12 | 13 8 | 0 21 | |
| M29 | 9 11 | 6 11 | 1 8 | 3 30 | 2 19 | 0 25 | 8 2 | 14 6 | 1 8 | 14 44 | 0 30 | 16 45 | 0 44 | 17 17 | 0 36 | 21 32 | 1 28 | 10 5 | 15 33 | 9 54 | 10 25 | 16 13 | 13 8 | 0 21 | |
| T 30 | 8 50 | 10 21 | 0s 9 | 3 59 | 2 29 | 0 33 | 8 7 | 13 53 | 1 9 | 14 40 | 0 30 | 16 46 | 0 44 | 17 16 | 0 36 | 21 32 | 1 28 | 10 4 | 15 33 | 9 53 | 10 24 | 16 14 | 13 8 | 0 21 | |
| W31 | 8n28 | 13n54 | 1s25 | 4s27 | 2s40 | 0n42 | 8s12 | 13n40 | 1n 9 | 14n36 | 0n30 | 16s47 | 0s44 | 17n15 | 0n36 | 21s32 | 1n28 | 10n 3 | 15n33 | 9s54 | 10s23 | 16s15 | 13n 7 | 0s22 | |

Julian Day Number = 2803485.5, Delta T = 50m59s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'42, Lahiri = 37°20'43


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# ASTRODIENST EPHEMERIS for the year 2963
# geocentric

## SEPTEMBER 2963 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 41 13 | 9♍ 6'17 | 25♉55 | 5♎47 | 7°R54 | 27♌14 | 22♌11 | 15°R29 | 13♌34 | 20°R46 | 10♎50 | 25♎45 | 27♎ 1 | 23♏10 | 6°R 0 | T 1 |
| F 2 | 22 45 9 | 10° 3'59 | 10♊ 5 | 6°26 | 7♍16 | 27°52 | 22°24 | 15♒25 | 13°38 | 20°D46 | 10°52 | 25°R46 | 26°58 | 23°17 | 5♉59 | F 2 |
| S 3 | 22 49 6 | 11° 1'42 | 24°10 | 7° 2 | 6°40 | 28°31 | 22°37 | 15°22 | 13°41 | 20♐46 | 10°54 | 25°45 | 26°55 | 23°23 | 5°58 | S 3 |
| S 4 | 22 53 3 | 11°59'27 | 8♋ 6 | 7°33 | 6° 3 | 29° 9 | 22°50 | 15°18 | 13°45 | 20°46 | 10°56 | 25°42 | 26°52 | 23°30 | 5°56 | S 4 |
| M 5 | 22 56 59 | 12°57'13 | 21°55 | 8° 0 | 5°28 | 29°48 | 23° 2 | 15°14 | 13°48 | 20°46 | 10°58 | 25°38 | 26°49 | 23°36 | 5°55 | M 5 |
| T 6 | 23 0 56 | 13°55'01 | 5♌32 | 8°22 | 4°54 | 0♍26 | 23°15 | 15°10 | 13°51 | 20°46 | 11° 0 | 25°32 | 26°45 | 23°43 | 5°53 | T 6 |
| W 7 | 23 4 52 | 14°52'50 | 18°58 | 8°40 | 4°21 | 1° 5 | 23°28 | 15° 7 | 13°54 | 20°46 | 11° 2 | 25°25 | 26°42 | 23°50 | 5°52 | W 7 |
| T 8 | 23 8 49 | 15°50'41 | 2♍10 | 8°52 | 3°49 | 1°43 | 23°41 | 15° 3 | 13°58 | 20°47 | 11° 5 | 25°19 | 26°39 | 23°56 | 5°51 | T 8 |
| F 9 | 23 12 45 | 16°48'33 | 15° 7 | 8°59 | 3°20 | 2°21 | 23°54 | 15° 0 | 14° 1 | 20°47 | 11° 7 | 25°13 | 26°36 | 24° 3 | 5°49 | F 9 |
| S 10 | 23 16 42 | 17°46'27 | 27°48 | 9°R 1 | 2°51 | 3° 0 | 24° 7 | 14°57 | 14° 4 | 20°47 | 11° 9 | 25° 8 | 26°33 | 24°10 | 5°47 | S 10 |
| S 11 | 23 20 38 | 18°44'22 | 10♎15 | 8°57 | 2°25 | 3°38 | 24°19 | 14°53 | 14° 7 | 20°47 | 11°11 | 25° 5 | 26°30 | 24°16 | 5°46 | S 11 |
| M12 | 23 24 35 | 19°42'18 | 22°27 | 8°47 | 2° 1 | 4°16 | 24°32 | 14°50 | 14°11 | 20°48 | 11°13 | 25°D 4 | 26°26 | 24°23 | 5°44 | M12 |
| T 13 | 23 28 31 | 20°40'16 | 4♏29 | 8°31 | 1°39 | 4°55 | 24°45 | 14°47 | 14°14 | 20°48 | 11°15 | 25° 5 | 26°23 | 24°30 | 5°42 | T 13 |
| W14 | 23 32 28 | 21°38'15 | 16°22 | 8° 9 | 1°19 | 5°33 | 24°57 | 14°44 | 14°17 | 20°48 | 11°17 | 25° 6 | 26°20 | 24°36 | 5°41 | W14 |
| T 15 | 23 36 25 | 22°36'15 | 28°11 | 7°41 | 1° 2 | 6°11 | 25°10 | 14°41 | 14°20 | 20°49 | 11°19 | 25° 8 | 26°17 | 24°43 | 5°39 | T 15 |
| F 16 | 23 40 21 | 23°34'17 | 10♐ 0 | 7° 7 | 0°47 | 6°49 | 25°22 | 14°38 | 14°23 | 20°49 | 11°21 | 25° 9 | 26°14 | 24°50 | 5°37 | F 16 |
| S 17 | 23 44 18 | 24°32'20 | 21°55 | 6°27 | 0°34 | 7°27 | 25°35 | 14°35 | 14°26 | 20°50 | 11°24 | 25°R10 | 26°11 | 24°56 | 5°35 | S 17 |
| S 18 | 23 48 14 | 25°30'24 | 4♑ 0 | 5°42 | 0°24 | 8° 6 | 25°47 | 14°32 | 14°29 | 20°50 | 11°26 | 25°10 | 26° 7 | 25° 3 | 5°33 | S 18 |
| M19 | 23 52 11 | 26°28'30 | 16°20 | 4°53 | 0°16 | 8°44 | 25°59 | 14°29 | 14°32 | 20°51 | 11°28 | 25° 8 | 26° 4 | 25°10 | 5°31 | M19 |
| T 20 | 23 56 7 | 27°26'37 | 28°59 | 3°59 | 0°10 | 9°22 | 26°12 | 14°26 | 14°35 | 20°51 | 11°30 | 25° 6 | 26° 1 | 25°16 | 5°29 | T 20 |
| W21 | 0 0 4 | 28°24'45 | 12♒ 0 | 3° 3 | 0° 7 | 10° 0 | 26°24 | 14°24 | 14°38 | 20°52 | 11°32 | 25° 2 | 25°58 | 25°23 | 5°27 | W21 |
| T 22 | 0 4 0 | 29°22'55 | 25°26 | 2° 4 | 0°D 6 | 10°38 | 26°36 | 14°21 | 14°41 | 20°53 | 11°35 | 24°58 | 25°55 | 25°30 | 5°25 | T 22 |
| F 23 | 0 7 57 | 0♎21'06 | 9♓15 | 1° 5 | 0° 8 | 11°16 | 26°48 | 14°19 | 14°43 | 20°53 | 11°37 | 24°54 | 25°51 | 25°36 | 5°23 | F 23 |
| S 24 | 0 11 54 | 1°19'19 | 23°25 | 0° 6 | 0°12 | 11°54 | 27° 0 | 14°17 | 14°46 | 20°54 | 11°39 | 24°52 | 25°48 | 25°43 | 5°21 | S 24 |
| S 25 | 0 15 50 | 2°17'34 | 7♈53 | 29♍ 9 | 0°18 | 12°32 | 27°12 | 14°14 | 14°49 | 20°55 | 11°41 | 24°50 | 25°45 | 25°50 | 5°19 | S 25 |
| M26 | 0 19 47 | 3°15'50 | 22°31 | 28°15 | 0°26 | 13°10 | 27°24 | 14°12 | 14°52 | 20°56 | 11°43 | 24°D49 | 25°42 | 25°56 | 5°16 | M26 |
| T 27 | 0 23 43 | 4°14'08 | 7♉14 | 27°26 | 0°37 | 13°48 | 27°36 | 14°10 | 14°54 | 20°56 | 11°46 | 24°49 | 25°39 | 26° 3 | 5°14 | T 27 |
| W28 | 0 27 40 | 5°12'28 | 21°55 | 26°42 | 0°49 | 14°26 | 27°48 | 14° 8 | 14°57 | 20°57 | 11°48 | 24°50 | 25°36 | 26°10 | 5°12 | W28 |
| T 29 | 0 31 36 | 6°10'51 | 6♊29 | 26° 5 | 1° 4 | 15° 4 | 28° 0 | 14° 6 | 15° 0 | 20°58 | 11°50 | 24°52 | 25°32 | 26°16 | 5°10 | T 29 |
| F 30 | 0 35 33 | 7♎ 9'15 | 20♊51 | 25♍37 | 1♍21 | 15♍42 | 28♌12 | 14♒ 4 | 15♌ 2 | 20♐59 | 11♎52 | 24♎53 | 25♎29 | 26♏23 | 5♉ 7 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 8n 7 | 16n36 | 2s36 | 4s54 | 2s50 | 0n52 | 8s16 | 13n27 | 1n 9 | 14n31 | 0n30 | 16s49 | 0s44 | 17n14 | 0n36 | 21s32 | 1n28 | 10n 2 | 15n32 | 9s54 | 10s21 | 16s16 | 13n 7 | 0s22 |
| F 2 | 7 45 | 18 16 | 3 37 | 5 19 | 3 1 | 1 3 | 8 20 | 13 14 | 1 9 | 14 27 | 0 30 | 16 50 | 0 44 | 17 13 | 0 36 | 21 32 | 1 28 | 10 2 | 15 32 | 9 54 | 10 20 | 16 17 | 13 6 | 0 22 |
| S 3 | 7 24 | 18 47 | 4 24 | 5 42 | 3 11 | 1 14 | 8 22 | 13 1 | 1 9 | 14 23 | 0 31 | 16 51 | 0 44 | 17 12 | 0 36 | 21 32 | 1 28 | 10 1 | 15 32 | 9 54 | 10 19 | 16 18 | 13 6 | 0 22 |
| S 4 | 7 2 | 18 9 | 4 55 | 6 3 | 3 21 | 1 26 | 8 23 | 12 47 | 1 9 | 14 19 | 0 31 | 16 52 | 0 44 | 17 11 | 0 36 | 21 32 | 1 28 | 10 0 | 15 32 | 9 53 | 10 18 | 16 19 | 13 5 | 0 22 |
| M 5 | 6 40 | 16 27 | 5 9 | 6 23 | 3 30 | 1 38 | 8 24 | 12 34 | 1 9 | 14 15 | 0 31 | 16 53 | 0 44 | 17 10 | 0 36 | 21 32 | 1 28 | 9 59 | 15 32 | 9 51 | 10 17 | 16 19 | 13 5 | 0 22 |
| T 6 | 6 18 | 13 51 | 5 5 | 6 40 | 3 40 | 1 51 | 8 23 | 12 21 | 1 9 | 14 11 | 0 31 | 16 54 | 0 44 | 17 9 | 0 36 | 21 32 | 1 27 | 9 58 | 15 32 | 9 49 | 10 16 | 16 20 | 13 4 | 0 22 |
| W 7 | 5 55 | 10 33 | 4 44 | 6 55 | 3 48 | 2 3 | 8 22 | 12 7 | 1 10 | 14 7 | 0 31 | 16 55 | 0 44 | 17 8 | 0 36 | 21 32 | 1 27 | 9 57 | 15 31 | 9 47 | 10 15 | 16 21 | 13 3 | 0 22 |
| T 8 | 5 33 | 6 47 | 4 8 | 7 7 | 3 56 | 2 17 | 8 20 | 11 54 | 1 10 | 14 3 | 0 31 | 16 57 | 0 44 | 17 8 | 0 36 | 21 32 | 1 27 | 9 56 | 15 31 | 9 44 | 10 14 | 16 22 | 13 3 | 0 22 |
| F 9 | 5 11 | 2 45 | 3 20 | 7 17 | 4 4 | 2 30 | 8 17 | 11 40 | 1 10 | 13 59 | 0 31 | 16 58 | 0 44 | 17 7 | 0 36 | 21 32 | 1 27 | 9 55 | 15 31 | 9 42 | 10 12 | 16 23 | 13 2 | 0 22 |
| S 10 | 4 48 | 1s19 | 2 23 | 7 24 | 4 11 | 2 43 | 8 13 | 11 26 | 1 10 | 13 54 | 0 31 | 16 59 | 0 45 | 17 6 | 0 36 | 21 33 | 1 27 | 9 54 | 15 31 | 9 41 | 10 11 | 16 24 | 13 2 | 0 22 |
| S 11 | 4 26 | 5 16 | 1 20 | 7 28 | 4 16 | 2 56 | 8 9 | 11 13 | 1 10 | 13 50 | 0 31 | 17 0 | 0 45 | 17 5 | 0 36 | 21 33 | 1 27 | 9 53 | 15 31 | 9 40 | 10 10 | 16 24 | 13 1 | 0 23 |
| M12 | 4 3 | 8 55 | 0 14 | 7 28 | 4 21 | 3 9 | 8 4 | 10 59 | 1 10 | 13 46 | 0 32 | 17 1 | 0 45 | 17 4 | 0 36 | 21 33 | 1 27 | 9 52 | 15 31 | 9 39 | 10 9 | 16 25 | 13 0 | 0 23 |
| T 13 | 3 41 | 12 8 | 0n51 | 7 26 | 4 25 | 3 22 | 7 58 | 10 45 | 1 10 | 13 42 | 0 32 | 17 2 | 0 45 | 17 3 | 0 36 | 21 33 | 1 27 | 9 51 | 15 30 | 9 39 | 10 8 | 16 26 | 13 0 | 0 23 |
| W14 | 3 18 | 14 49 | 1 54 | 7 19 | 4 28 | 3 35 | 7 52 | 10 31 | 1 10 | 13 38 | 0 32 | 17 2 | 0 45 | 17 2 | 0 36 | 21 33 | 1 27 | 9 50 | 15 30 | 9 40 | 10 7 | 16 27 | 12 59 | 0 23 |
| T 15 | 2 55 | 16 52 | 2 51 | 7 9 | 4 29 | 3 48 | 7 45 | 10 17 | 1 10 | 13 34 | 0 32 | 17 3 | 0 45 | 17 1 | 0 36 | 21 33 | 1 27 | 9 49 | 15 30 | 9 41 | 10 6 | 16 28 | 12 58 | 0 23 |
| F 16 | 2 32 | 18 10 | 3 42 | 6 56 | 4 29 | 4 0 | 7 37 | 10 3 | 1 10 | 13 30 | 0 32 | 17 4 | 0 45 | 17 0 | 0 36 | 21 33 | 1 27 | 9 48 | 15 30 | 9 41 | 10 4 | 16 29 | 12 58 | 0 23 |
| S 17 | 2 10 | 18 42 | 4 23 | 6 38 | 4 27 | 4 11 | 7 30 | 9 49 | 1 11 | 13 26 | 0 32 | 17 5 | 0 45 | 17 0 | 0 36 | 21 33 | 1 27 | 9 48 | 15 30 | 9 41 | 10 3 | 16 29 | 12 57 | 0 23 |
| S 18 | 1 47 | 18 22 | 4 53 | 6 17 | 4 23 | 4 23 | 7 21 | 9 35 | 1 11 | 13 22 | 0 32 | 17 6 | 0 45 | 16 59 | 0 36 | 21 33 | 1 27 | 9 47 | 15 30 | 9 41 | 10 2 | 16 30 | 12 56 | 0 23 |
| M19 | 1 24 | 17 11 | 5 10 | 5 53 | 4 18 | 4 33 | 7 13 | 9 21 | 1 11 | 13 18 | 0 32 | 17 7 | 0 45 | 16 58 | 0 36 | 21 33 | 1 27 | 9 46 | 15 30 | 9 41 | 10 1 | 16 31 | 12 56 | 0 23 |
| T 20 | 1 1 | 15 8 | 5 13 | 5 25 | 4 10 | 4 44 | 7 4 | 9 7 | 1 11 | 13 14 | 0 33 | 17 8 | 0 45 | 16 57 | 0 36 | 21 33 | 1 27 | 9 45 | 15 30 | 9 40 | 10 0 | 16 32 | 12 55 | 0 23 |
| W21 | 0 38 | 12 17 | 5 0 | 4 54 | 4 1 | 4 53 | 6 55 | 8 52 | 1 11 | 13 10 | 0 33 | 17 8 | 0 45 | 16 56 | 0 36 | 21 33 | 1 27 | 9 44 | 15 30 | 9 38 | 9 59 | 16 33 | 12 54 | 0 24 |
| T 22 | 0 15 | 8 43 | 4 31 | 4 20 | 3 50 | 5 2 | 6 45 | 8 38 | 1 11 | 13 6 | 0 33 | 17 9 | 0 45 | 16 56 | 0 36 | 21 34 | 1 27 | 9 43 | 15 30 | 9 37 | 9 57 | 16 34 | 12 53 | 0 24 |
| F 23 | 0s 8 | 4 35 | 3 45 | 3 45 | 3 37 | 5 11 | 6 36 | 8 24 | 1 11 | 13 2 | 0 33 | 17 10 | 0 45 | 16 55 | 0 36 | 21 34 | 1 27 | 9 42 | 15 30 | 9 36 | 9 56 | 16 34 | 12 52 | 0 24 |
| S 24 | 0 31 | 0 5 | 2 45 | 3 8 | 3 22 | 5 19 | 6 26 | 8 9 | 1 11 | 12 58 | 0 33 | 17 11 | 0 45 | 16 54 | 0 36 | 21 34 | 1 27 | 9 41 | 15 30 | 9 35 | 9 55 | 16 35 | 12 52 | 0 24 |
| S 25 | 0 54 | 4n31 | 1 32 | 2 31 | 3 6 | 5 26 | 6 16 | 7 55 | 1 11 | 12 54 | 0 33 | 17 11 | 0 45 | 16 53 | 0 37 | 21 34 | 1 26 | 9 40 | 15 29 | 9 34 | 9 54 | 16 36 | 12 51 | 0 24 |
| M26 | 1 17 | 8 55 | 0 13 | 1 53 | 2 48 | 5 33 | 6 6 | 7 41 | 1 11 | 12 50 | 0 33 | 17 12 | 0 45 | 16 52 | 0 37 | 21 34 | 1 26 | 9 40 | 15 29 | 9 34 | 9 53 | 16 37 | 12 50 | 0 24 |
| T 27 | 1 40 | 12 47 | 1s 8 | 1 17 | 2 30 | 5 39 | 5 55 | 7 26 | 1 11 | 12 46 | 0 33 | 17 13 | 0 45 | 16 52 | 0 37 | 21 34 | 1 26 | 9 39 | 15 29 | 9 34 | 9 52 | 16 38 | 12 49 | 0 24 |
| W28 | 2 4 | 15 50 | 2 24 | 0 42 | 2 11 | 5 44 | 5 45 | 7 12 | 1 11 | 12 42 | 0 34 | 17 13 | 0 45 | 16 51 | 0 37 | 21 34 | 1 26 | 9 38 | 15 29 | 9 34 | 9 51 | 16 38 | 12 48 | 0 24 |
| T 29 | 2 27 | 17 49 | 3 30 | 0 9 | 1 51 | 5 49 | 5 35 | 6 57 | 1 11 | 12 38 | 0 34 | 17 14 | 0 45 | 16 50 | 0 37 | 21 34 | 1 26 | 9 37 | 15 29 | 9 35 | 9 49 | 16 39 | 12 47 | 0 24 |
| F 30 | 2s50 | 18n38 | 4s22 | 0n21 | 1s31 | 5n52 | 5s25 | 6n42 | 1n11 | 12n34 | 0n34 | 17s14 | 0s45 | 16n49 | 0n37 | 21s34 | 1n26 | 9n36 | 15n29 | 9s35 | 9s48 | 16s40 | 12n47 | 0s24 |

Julian Day Number = 2803516.5, Delta T = 51m00s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'46, Lahiri = 37°20'47


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# ASTRODIENST EPHEMERIS for the year 2963
# geocentric

## OCTOBER 2963 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 39 29 | 8♎ 7'41 | 4♋58 | 25°R16 | 1♍39 | 16♍20 | 28♌23 | 14°R 3 | 15♌ 5 | 21♐ 0 | 11♎55 | 24°R53 | 25♎26 | 26♏30 | 5°R 5 | S 1 |
| S 2 | 0 43 26 | 9° 6'10 | 18°49 | 25♍ 5 | 2° 0 | 16°58 | 28°35 | 14♒ 1 | 15° 7 | 21° 1 | 11°57 | 24♎53 | 25°23 | 26°36 | 5♉ 2 | S 2 |
| M 3 | 0 47 23 | 10° 4'41 | 2♌24 | 25°D 3 | 2°22 | 17°36 | 28°46 | 14° 0 | 15°10 | 21° 2 | 11°59 | 24°52 | 25°20 | 26°43 | 5° 0 | M 3 |
| T 4 | 0 51 19 | 11° 3'13 | 15°43 | 25°11 | 2°47 | 18°14 | 28°58 | 13°58 | 15°12 | 21° 3 | 12° 1 | 24°51 | 25°16 | 26°50 | 4°58 | T 4 |
| W 5 | 0 55 16 | 12° 1'48 | 28°47 | 25°28 | 3°12 | 18°52 | 29° 9 | 13°57 | 15°15 | 21° 4 | 12° 4 | 24°49 | 25°13 | 26°56 | 4°55 | W 5 |
| T 6 | 0 59 12 | 13° 0'25 | 11♍36 | 25°55 | 3°40 | 19°30 | 29°20 | 13°56 | 15°17 | 21° 5 | 12° 6 | 24°47 | 25°10 | 27° 3 | 4°53 | T 6 |
| F 7 | 1 3 9 | 13°59'04 | 24°12 | 26°30 | 4° 9 | 20° 8 | 29°32 | 13°54 | 15°19 | 21° 6 | 12° 8 | 24°46 | 25° 7 | 27°10 | 4°50 | F 7 |
| S 8 | 1 7 5 | 14°57'45 | 6♎36 | 27°15 | 4°40 | 20°46 | 29°43 | 13°53 | 15°22 | 21° 7 | 12°10 | 24°45 | 25° 4 | 27°16 | 4°47 | S 8 |
| S 9 | 1 11 2 | 15°56'27 | 18°49 | 28° 8 | 5°12 | 21°23 | 29°54 | 13°52 | 15°24 | 21° 8 | 12°13 | 24°44 | 25° 1 | 27°23 | 4°45 | S 9 |
| M10 | 1 14 58 | 16°55'12 | 0♏52 | 29° 8 | 5°45 | 22° 1 | 0♍ 5 | 13°51 | 15°26 | 21° 9 | 12°15 | 24°D44 | 24°57 | 27°30 | 4°42 | M10 |
| T 11 | 1 18 55 | 17°53'59 | 12°47 | 0♎15 | 6°20 | 22°39 | 0°16 | 13°51 | 15°28 | 21°11 | 12°17 | 24°45 | 24°54 | 27°36 | 4°40 | T 11 |
| W12 | 1 22 51 | 18°52'47 | 24°38 | 1°29 | 6°56 | 23°17 | 0°26 | 13°50 | 15°30 | 21°12 | 12°19 | 24°45 | 24°51 | 27°43 | 4°37 | W12 |
| T 13 | 1 26 48 | 19°51'37 | 6♐26 | 2°49 | 7°33 | 23°55 | 0°37 | 13°49 | 15°32 | 21°13 | 12°22 | 24°46 | 24°48 | 27°50 | 4°34 | T 13 |
| F 14 | 1 30 45 | 20°50'29 | 18°15 | 4°13 | 8°12 | 24°32 | 0°48 | 13°49 | 15°34 | 21°15 | 12°24 | 24°46 | 24°45 | 27°56 | 4°32 | F 14 |
| S 15 | 1 34 41 | 21°49'23 | 0♑ 9 | 5°42 | 8°52 | 25°10 | 0°58 | 13°49 | 15°36 | 21°16 | 12°26 | 24°47 | 24°42 | 28° 3 | 4°29 | S 15 |
| S 16 | 1 38 38 | 22°48'19 | 12°12 | 7°14 | 9°32 | 25°48 | 1° 9 | 13°48 | 15°38 | 21°17 | 12°28 | 24°47 | 24°38 | 28°10 | 4°26 | S 16 |
| M17 | 1 42 34 | 23°47'16 | 24°29 | 8°50 | 10°14 | 26°26 | 1°19 | 13°48 | 15°40 | 21°19 | 12°30 | 24°R47 | 24°35 | 28°16 | 4°24 | M17 |
| T 18 | 1 46 31 | 24°46'15 | 7♒ 5 | 10°28 | 10°57 | 27° 3 | 1°30 | 13°D48 | 15°42 | 21°20 | 12°33 | 24°D47 | 24°32 | 28°23 | 4°21 | T 18 |
| W19 | 1 50 27 | 25°45'15 | 20° 2 | 12° 8 | 11°41 | 27°41 | 1°40 | 13°48 | 15°44 | 21°21 | 12°35 | 24°47 | 24°29 | 28°30 | 4°18 | W19 |
| T 20 | 1 54 24 | 26°44'17 | 3♓24 | 13°50 | 12°26 | 28°19 | 1°50 | 13°48 | 15°45 | 21°23 | 12°37 | 24°47 | 24°26 | 28°36 | 4°16 | T 20 |
| F 21 | 1 58 20 | 27°43'21 | 17°13 | 15°34 | 13°12 | 28°56 | 2° 0 | 13°49 | 15°47 | 21°24 | 12°39 | 24°47 | 24°22 | 28°43 | 4°13 | F 21 |
| S 22 | 2 2 17 | 28°42'27 | 1♈28 | 17°18 | 13°59 | 29°34 | 2°10 | 13°49 | 15°49 | 21°26 | 12°41 | 24°48 | 24°19 | 28°50 | 4°10 | S 22 |
| S 23 | 2 6 14 | 29°41'34 | 16° 6 | 19° 3 | 14°47 | 0♎11 | 2°19 | 13°49 | 15°50 | 21°27 | 12°44 | 24°48 | 24°16 | 28°56 | 4° 7 | S 23 |
| M24 | 2 10 10 | 0♏40'44 | 1♉ 1 | 20°48 | 15°36 | 0°49 | 2°29 | 13°50 | 15°52 | 21°29 | 12°46 | 24°R48 | 24°13 | 29° 3 | 4° 5 | M24 |
| T 25 | 2 14 7 | 1°39'55 | 16° 6 | 22°34 | 16°25 | 1°27 | 2°39 | 13°50 | 15°53 | 21°31 | 12°48 | 24°47 | 24°10 | 29°10 | 4° 2 | T 25 |
| W26 | 2 18 3 | 2°39'09 | 1♊11 | 24°19 | 17°15 | 2° 4 | 2°48 | 13°51 | 15°55 | 21°32 | 12°50 | 24°47 | 24° 7 | 29°16 | 3°59 | W26 |
| T 27 | 2 22 0 | 3°38'25 | 16° 7 | 26° 5 | 18° 6 | 2°42 | 2°58 | 13°52 | 15°56 | 21°34 | 12°52 | 24°46 | 24° 3 | 29°23 | 3°56 | T 27 |
| F 28 | 2 25 56 | 4°37'43 | 0♋48 | 27°50 | 18°58 | 3°19 | 3° 7 | 13°53 | 15°58 | 21°35 | 12°54 | 24°45 | 24° 0 | 29°30 | 3°53 | F 28 |
| S 29 | 2 29 53 | 5°37'03 | 15° 9 | 29°35 | 19°50 | 3°57 | 3°16 | 13°54 | 15°59 | 21°37 | 12°56 | 24°44 | 23°57 | 29°36 | 3°51 | S 29 |
| S 30 | 2 33 49 | 6°36'26 | 29° 5 | 1♏19 | 20°43 | 4°34 | 3°25 | 13°55 | 16° 0 | 21°39 | 12°59 | 24°43 | 23°54 | 29°43 | 3°48 | S 30 |
| M31 | 2 37 46 | 7♏35'50 | 12♌38 | 3♏ 4 | 21♍37 | 5♎12 | 3♍34 | 13♒56 | 16♌ 1 | 21♐41 | 13♎ 1 | 24°D43 | 23♎51 | 29♏50 | 3♉45 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3s12 | 18n16 | 4s58 | 0n47 | 1s11 | 5n56 | 5s14 | 6n28 | 1n12 | 12n30 | 0n34 | 17s15 | 0s45 | 16n49 | 0n37 | 21s35 | 1n26 | 9n35 | 15n29 | 9s35 | 9s47 | 16s41 | 12n46 | 0s24 |
| S 2 | 3 35 | 16 48 | 5 15 | 1 9 | 0 52 | 5 58 | 5 4 | 6 13 | 1 12 | 12 26 | 0 34 | 17 15 | 0 45 | 16 48 | 0 37 | 21 35 | 1 26 | 9 34 | 15 29 | 9 35 | 9 46 | 16 42 | 12 45 | 0 25 |
| M 3 | 3 58 | 14 25 | 5 14 | 1 27 | 0 33 | 6 0 | 4 53 | 5 58 | 1 12 | 12 23 | 0 34 | 17 16 | 0 45 | 16 47 | 0 37 | 21 35 | 1 26 | 9 34 | 15 29 | 9 35 | 9 45 | 16 42 | 12 44 | 0 25 |
| T 4 | 4 21 | 11 19 | 4 56 | 1 41 | 0 15 | 6 1 | 4 43 | 5 44 | 1 12 | 12 19 | 0 34 | 17 16 | 0 45 | 16 47 | 0 37 | 21 35 | 1 26 | 9 33 | 15 29 | 9 34 | 9 44 | 16 43 | 12 43 | 0 25 |
| W 5 | 4 44 | 7 43 | 4 23 | 1 50 | 0n 3 | 6 2 | 4 33 | 5 29 | 1 12 | 12 15 | 0 35 | 17 16 | 0 45 | 16 46 | 0 37 | 21 35 | 1 26 | 9 32 | 15 29 | 9 34 | 9 43 | 16 44 | 12 42 | 0 25 |
| T 6 | 5 7 | 3 49 | 3 37 | 1 54 | 0 19 | 6 1 | 4 23 | 5 14 | 1 12 | 12 11 | 0 35 | 17 17 | 0 45 | 16 45 | 0 37 | 21 35 | 1 26 | 9 31 | 15 30 | 9 33 | 9 41 | 16 45 | 12 41 | 0 25 |
| F 7 | 5 29 | 0s11 | 2 41 | 1 54 | 0 34 | 6 1 | 4 13 | 4 59 | 1 12 | 12 7 | 0 35 | 17 17 | 0 45 | 16 45 | 0 37 | 21 35 | 1 26 | 9 30 | 15 30 | 9 32 | 9 40 | 16 45 | 12 40 | 0 25 |
| S 8 | 5 52 | 4 7 | 1 39 | 1 49 | 0 47 | 5 59 | 4 2 | 4 45 | 1 12 | 12 4 | 0 35 | 17 18 | 0 45 | 16 44 | 0 37 | 21 35 | 1 26 | 9 30 | 15 30 | 9 32 | 9 39 | 16 46 | 12 39 | 0 25 |
| S 9 | 6 14 | 7 50 | 0 33 | 1 39 | 1 0 | 5 57 | 3 52 | 4 30 | 1 12 | 12 0 | 0 35 | 17 18 | 0 45 | 16 43 | 0 37 | 21 35 | 1 26 | 9 29 | 15 30 | 9 32 | 9 38 | 16 47 | 12 38 | 0 25 |
| M10 | 6 37 | 11 11 | 0n34 | 1 26 | 1 11 | 5 54 | 3 43 | 4 15 | 1 12 | 11 56 | 0 35 | 17 18 | 0 45 | 16 43 | 0 37 | 21 36 | 1 26 | 9 28 | 15 30 | 9 32 | 9 37 | 16 48 | 12 38 | 0 25 |
| T 11 | 6 59 | 14 2 | 1 39 | 1 8 | 1 21 | 5 50 | 3 33 | 4 0 | 1 12 | 11 52 | 0 35 | 17 18 | 0 45 | 16 42 | 0 37 | 21 36 | 1 26 | 9 27 | 15 30 | 9 32 | 9 36 | 16 48 | 12 37 | 0 25 |
| W12 | 7 21 | 16 16 | 2 39 | 0 46 | 1 29 | 5 46 | 3 23 | 3 45 | 1 12 | 11 49 | 0 36 | 17 18 | 0 45 | 16 42 | 0 37 | 21 36 | 1 26 | 9 26 | 15 30 | 9 32 | 9 34 | 16 49 | 12 36 | 0 25 |
| T 13 | 7 44 | 17 47 | 3 32 | 0 22 | 1 36 | 5 42 | 3 13 | 3 30 | 1 12 | 11 45 | 0 36 | 17 19 | 0 45 | 16 41 | 0 37 | 21 36 | 1 26 | 9 26 | 15 30 | 9 32 | 9 33 | 16 50 | 12 35 | 0 25 |
| F 14 | 8 6 | 18 33 | 4 16 | 0s 6 | 1 42 | 5 36 | 3 4 | 3 16 | 1 12 | 11 42 | 0 36 | 17 19 | 0 45 | 16 40 | 0 37 | 21 36 | 1 26 | 9 25 | 15 30 | 9 33 | 9 32 | 16 51 | 12 34 | 0 26 |
| S 15 | 8 28 | 18 30 | 4 49 | 0 37 | 1 47 | 5 30 | 2 55 | 3 1 | 1 12 | 11 38 | 0 36 | 17 19 | 0 45 | 16 40 | 0 37 | 21 36 | 1 25 | 9 24 | 15 30 | 9 33 | 9 31 | 16 51 | 12 33 | 0 26 |
| S 16 | 8 49 | 17 36 | 5 10 | 1 10 | 1 51 | 5 24 | 2 45 | 2 46 | 1 12 | 11 34 | 0 36 | 17 19 | 0 45 | 16 39 | 0 37 | 21 36 | 1 25 | 9 24 | 15 30 | 9 33 | 9 30 | 16 52 | 12 32 | 0 26 |
| M17 | 9 11 | 15 53 | 5 18 | 1 45 | 1 53 | 5 16 | 2 36 | 2 31 | 1 12 | 11 31 | 0 36 | 17 19 | 0 45 | 16 39 | 0 37 | 21 37 | 1 25 | 9 23 | 15 31 | 9 33 | 9 29 | 16 53 | 12 31 | 0 26 |
| T 18 | 9 33 | 13 23 | 5 11 | 2 22 | 1 55 | 5 9 | 2 27 | 2 16 | 1 12 | 11 27 | 0 36 | 17 19 | 0 45 | 16 38 | 0 37 | 21 37 | 1 25 | 9 22 | 15 31 | 9 33 | 9 27 | 16 54 | 12 30 | 0 26 |
| W19 | 9 54 | 10 10 | 4 48 | 3 0 | 1 55 | 5 0 | 2 18 | 2 1 | 1 12 | 11 24 | 0 37 | 17 19 | 0 45 | 16 38 | 0 37 | 21 37 | 1 25 | 9 21 | 15 31 | 9 33 | 9 26 | 16 54 | 12 29 | 0 26 |
| T 20 | 10 15 | 6 20 | 4 9 | 3 40 | 1 55 | 4 51 | 2 10 | 1 46 | 1 12 | 11 20 | 0 37 | 17 19 | 0 45 | 16 37 | 0 37 | 21 37 | 1 25 | 9 21 | 15 31 | 9 33 | 9 25 | 16 55 | 12 28 | 0 26 |
| F 21 | 10 36 | 2 2 | 3 14 | 4 20 | 1 54 | 4 42 | 2 1 | 1 31 | 1 12 | 11 17 | 0 37 | 17 19 | 0 45 | 16 37 | 0 37 | 21 37 | 1 25 | 9 20 | 15 31 | 9 33 | 9 24 | 16 56 | 12 27 | 0 26 |
| S 22 | 10 57 | 2n31 | 2 6 | 5 1 | 1 53 | 4 32 | 1 53 | 1 17 | 1 12 | 11 14 | 0 37 | 17 19 | 0 45 | 16 36 | 0 37 | 21 37 | 1 25 | 9 19 | 15 31 | 9 33 | 9 23 | 16 56 | 12 26 | 0 26 |
| S 23 | 11 18 | 7 3 | 0 48 | 5 43 | 1 50 | 4 21 | 1 44 | 1 2 | 1 12 | 11 10 | 0 37 | 17 19 | 0 45 | 16 36 | 0 37 | 21 37 | 1 25 | 9 19 | 15 32 | 9 33 | 9 22 | 16 57 | 12 25 | 0 26 |
| M24 | 11 39 | 11 14 | 0s35 | 6 25 | 1 47 | 4 10 | 1 36 | 0 47 | 1 12 | 11 7 | 0 37 | 17 19 | 0 45 | 16 36 | 0 38 | 21 37 | 1 25 | 9 18 | 15 32 | 9 33 | 9 20 | 16 58 | 12 24 | 0 26 |
| T 25 | 11 59 | 14 43 | 1 56 | 7 7 | 1 44 | 3 59 | 1 28 | 0 32 | 1 12 | 11 4 | 0 38 | 17 18 | 0 45 | 16 35 | 0 38 | 21 38 | 1 25 | 9 17 | 15 32 | 9 33 | 9 19 | 16 59 | 12 23 | 0 26 |
| W26 | 12 20 | 17 12 | 3 9 | 7 50 | 1 40 | 3 47 | 1 20 | 0 17 | 1 12 | 11 1 | 0 38 | 17 18 | 0 45 | 16 35 | 0 38 | 21 38 | 1 25 | 9 17 | 15 32 | 9 33 | 9 18 | 16 59 | 12 22 | 0 27 |
| T 27 | 12 40 | 18 29 | 4 8 | 8 32 | 1 36 | 3 34 | 1 12 | 0 2 | 1 12 | 10 57 | 0 38 | 17 18 | 0 45 | 16 34 | 0 38 | 21 38 | 1 25 | 9 16 | 15 32 | 9 33 | 9 17 | 17 0 | 12 21 | 0 27 |
| F 28 | 13 0 | 18 28 | 4 50 | 9 14 | 1 31 | 3 21 | 1 5 | 0s13 | 1 12 | 10 54 | 0 38 | 17 18 | 0 45 | 16 34 | 0 38 | 21 38 | 1 25 | 9 16 | 15 33 | 9 32 | 9 16 | 17 1 | 12 20 | 0 27 |
| S 29 | 13 19 | 17 17 | 5 13 | 9 55 | 1 26 | 3 8 | 0 57 | 0 28 | 1 12 | 10 51 | 0 38 | 17 17 | 0 45 | 16 34 | 0 38 | 21 38 | 1 25 | 9 15 | 15 33 | 9 32 | 9 15 | 17 1 | 12 19 | 0 27 |
| S 30 | 13 39 | 15 4 | 5 16 | 10 37 | 1 21 | 2 54 | 0 50 | 0 42 | 1 12 | 10 48 | 0 39 | 17 17 | 0 45 | 16 33 | 0 38 | 21 38 | 1 25 | 9 14 | 15 33 | 9 32 | 9 14 | 17 2 | 12 18 | 0 27 |
| M31 | 13s58 | 12n 5 | 5s 2 | 11s17 | 1n15 | 2n39 | 0s42 | 0s57 | 1n12 | 10n45 | 0n39 | 17s17 | 0s45 | 16n33 | 0n38 | 21s38 | 1n25 | 9n14 | 15n33 | 9s32 | 9s12 | 17s 3 | 12n17 | 0s27 |

Julian Day Number = 2803546.5, Delta T = 51m01s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'50, Lahiri = 37°20'51


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# ASTRODIENST EPHEMERIS for the year 2963
# geocentric

## NOVEMBER 2963 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 41 43 | 8♏35'17 | 25♌49 | 4♏47 | 22♍32 | 5♎49 | 3♍43 | 13♒58 | 16♌ 2 | 21♐42 | 13♎ 3 | 24♎44 | 23♎48 | 29♏56 | 3°R42 | T 1 |
| W 2 | 2 45 39 | 9°34'47 | 8♍39 | 6°30 | 23°27 | 6°27 | 3°51 | 13°59 | 16° 3 | 21°44 | 13° 5 | 24°45 | 23°44 | 0♐ 3 | 3♉40 | W 2 |
| T 3 | 2 49 36 | 10°34'18 | 21°13 | 8°13 | 24°22 | 7° 4 | 4° 0 | 14° 1 | 16° 5 | 21°46 | 13° 7 | 24°46 | 23°41 | 0°10 | 3°37 | T 3 |
| F 4 | 2 53 32 | 11°33'52 | 3♎32 | 9°55 | 25°19 | 7°41 | 4° 8 | 14° 2 | 16° 5 | 21°48 | 13° 9 | 24°47 | 23°38 | 0°16 | 3°34 | F 4 |
| S 5 | 2 57 29 | 12°33'28 | 15°41 | 11°36 | 26°15 | 8°19 | 4°17 | 14° 4 | 16° 6 | 21°50 | 13°11 | 24°48 | 23°35 | 0°23 | 3°31 | S 5 |
| S 6 | 3 1 25 | 13°33'06 | 27°41 | 13°17 | 27°13 | 8°56 | 4°25 | 14° 6 | 16° 7 | 21°51 | 13°13 | 24°R49 | 23°32 | 0°30 | 3°29 | S 6 |
| M 7 | 3 5 22 | 14°32'45 | 9♏36 | 14°57 | 28°11 | 9°34 | 4°33 | 14° 8 | 16° 8 | 21°53 | 13°15 | 24°48 | 23°28 | 0°36 | 3°26 | M 7 |
| T 8 | 3 9 18 | 15°32'27 | 21°27 | 16°36 | 29° 9 | 10°11 | 4°41 | 14°10 | 16° 9 | 21°55 | 13°17 | 24°46 | 23°25 | 0°43 | 3°23 | T 8 |
| W 9 | 3 13 15 | 16°32'11 | 3♐15 | 18°15 | 0♎ 8 | 10°48 | 4°49 | 14°12 | 16°10 | 21°57 | 13°19 | 24°43 | 23°22 | 0°50 | 3°21 | W 9 |
| T 10 | 3 17 11 | 17°31'57 | 15° 4 | 19°54 | 1° 7 | 11°26 | 4°56 | 14°14 | 16°10 | 21°59 | 13°21 | 24°39 | 23°19 | 0°56 | 3°18 | T 10 |
| F 11 | 3 21 8 | 18°31'45 | 26°56 | 21°32 | 2° 7 | 12° 3 | 5° 4 | 14°16 | 16°11 | 22° 1 | 13°23 | 24°35 | 23°16 | 1° 3 | 3°15 | F 11 |
| S 12 | 3 25 5 | 19°31'34 | 8♑52 | 23° 9 | 3° 7 | 12°40 | 5°11 | 14°19 | 16°11 | 22° 3 | 13°25 | 24°31 | 23°13 | 1°10 | 3°13 | S 12 |
| S 13 | 3 29 1 | 20°31'25 | 20°57 | 24°46 | 4° 7 | 13°18 | 5°18 | 14°21 | 16°12 | 22° 5 | 13°27 | 24°28 | 23° 9 | 1°16 | 3°10 | S 13 |
| M14 | 3 32 58 | 21°31'18 | 3♒13 | 26°22 | 5° 8 | 13°55 | 5°26 | 14°24 | 16°12 | 22° 7 | 13°28 | 24°25 | 23° 6 | 1°23 | 3° 7 | M14 |
| T 15 | 3 36 54 | 22°31'12 | 15°44 | 27°58 | 6°10 | 14°32 | 5°32 | 14°27 | 16°13 | 22° 9 | 13°30 | 24°24 | 23° 3 | 1°30 | 3° 5 | T 15 |
| W16 | 3 40 51 | 23°31'08 | 28°34 | 29°33 | 7°12 | 15° 9 | 5°39 | 14°29 | 16°13 | 22°11 | 13°32 | 24°D24 | 23° 0 | 1°37 | 3° 2 | W16 |
| T 17 | 3 44 47 | 24°31'05 | 11♓47 | 1♐ 8 | 8°14 | 15°47 | 5°46 | 14°32 | 16°13 | 22°13 | 13°34 | 24°24 | 22°57 | 1°43 | 3° 0 | T 17 |
| F 18 | 3 48 44 | 25°31'04 | 25°26 | 2°42 | 9°16 | 16°24 | 5°52 | 14°35 | 16°14 | 22°15 | 13°36 | 24°26 | 22°53 | 1°50 | 2°57 | F 18 |
| S 19 | 3 52 40 | 26°31'05 | 9♈33 | 4°16 | 10°19 | 17° 1 | 5°59 | 14°38 | 16°14 | 22°17 | 13°38 | 24°27 | 22°50 | 1°57 | 2°55 | S 19 |
| S 20 | 3 56 37 | 27°31'07 | 24° 5 | 5°50 | 11°22 | 17°38 | 6° 5 | 14°41 | 16°14 | 22°19 | 13°39 | 24°R28 | 22°47 | 2° 3 | 2°52 | S 20 |
| M21 | 4 0 34 | 28°31'10 | 9♉ 0 | 7°23 | 12°26 | 18°15 | 6°11 | 14°45 | 16°14 | 22°21 | 13°41 | 24°27 | 22°44 | 2°10 | 2°50 | M21 |
| T 22 | 4 4 30 | 29°31'16 | 24°12 | 8°56 | 13°30 | 18°52 | 6°17 | 14°48 | 16°R14 | 22°23 | 13°43 | 24°25 | 22°41 | 2°17 | 2°47 | T 22 |
| W23 | 4 8 27 | 0♐31'23 | 9♊29 | 10°29 | 14°34 | 19°29 | 6°23 | 14°51 | 16°14 | 22°25 | 13°44 | 24°21 | 22°38 | 2°23 | 2°45 | W23 |
| T 24 | 4 12 23 | 1°31'32 | 24°43 | 12° 1 | 15°39 | 20° 6 | 6°28 | 14°55 | 16°14 | 22°28 | 13°46 | 24°15 | 22°34 | 2°30 | 2°43 | T 24 |
| F 25 | 4 16 20 | 2°31'43 | 9♋42 | 13°32 | 16°43 | 20°44 | 6°34 | 14°58 | 16°14 | 22°30 | 13°48 | 24°10 | 22°31 | 2°37 | 2°40 | F 25 |
| S 26 | 4 20 16 | 3°31'56 | 24°19 | 15° 4 | 17°49 | 21°21 | 6°39 | 15° 2 | 16°13 | 22°32 | 13°49 | 24° 4 | 22°28 | 2°43 | 2°38 | S 26 |
| S 27 | 4 24 13 | 4°32'10 | 8♌28 | 16°35 | 18°54 | 21°58 | 6°44 | 15° 6 | 16°13 | 22°34 | 13°51 | 24° 0 | 22°25 | 2°50 | 2°36 | S 27 |
| M28 | 4 28 10 | 5°32'27 | 22° 8 | 18° 5 | 20° 0 | 22°35 | 6°49 | 15°10 | 16°13 | 22°36 | 13°53 | 23°57 | 22°22 | 2°57 | 2°34 | M28 |
| T 29 | 4 32 6 | 6°32'46 | 5♍20 | 19°36 | 21° 6 | 23°12 | 6°54 | 15°13 | 16°12 | 22°38 | 13°54 | 23°D56 | 22°19 | 3° 3 | 2°31 | T 29 |
| W30 | 4 36 3 | 7♐33'06 | 18♍ 8 | 21♐ 6 | 22♎12 | 23♎49 | 6♍58 | 15♒17 | 16♌12 | 22♐40 | 13♎56 | 23♎57 | 22♎15 | 3♐10 | 2♉29 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s17 | 8n35 | 4s32 | 11s58 | 1n 9 | 2n25 | 0s35 | 1s12 | 1n12 | 10n42 | 0n39 | 17s16 | 0s45 | 16n33 | 0n38 | 21s39 | 1n25 | 9n13 | 15n34 | 9s32 | 9s11 | 17s 3 | 12n16 | 0s27 |
| W 2 | 14 36 | 4 44 | 3 49 | 12 37 | 1 3 | 2 9 | 0 28 | 1 27 | 1 12 | 10 39 | 0 39 | 17 16 | 0 45 | 16 33 | 0 38 | 21 39 | 1 25 | 9 13 | 15 34 | 9 32 | 9 10 | 17 4 | 12 15 | 0 27 |
| T 3 | 14 55 | 0 46 | 2 56 | 13 16 | 0 57 | 1 54 | 0 22 | 1 41 | 1 12 | 10 36 | 0 39 | 17 15 | 0 45 | 16 32 | 0 38 | 21 39 | 1 25 | 9 12 | 15 34 | 9 33 | 9 9 | 17 5 | 12 14 | 0 27 |
| F 4 | 15 13 | 3s10 | 1 55 | 13 55 | 0 51 | 1 38 | 0 15 | 1 56 | 1 12 | 10 33 | 0 39 | 17 15 | 0 45 | 16 32 | 0 38 | 21 39 | 1 25 | 9 12 | 15 34 | 9 33 | 9 8 | 17 5 | 12 13 | 0 27 |
| S 5 | 15 31 | 6 55 | 0 50 | 14 32 | 0 44 | 1 21 | 0 8 | 2 11 | 1 12 | 10 30 | 0 40 | 17 15 | 0 45 | 16 32 | 0 38 | 21 39 | 1 25 | 9 11 | 15 35 | 9 33 | 9 7 | 17 6 | 12 12 | 0 27 |
| S 6 | 15 49 | 10 21 | 0n16 | 15 9 | 0 37 | 1 4 | 0 2 | 2 26 | 1 12 | 10 28 | 0 40 | 17 14 | 0 45 | 16 32 | 0 38 | 21 39 | 1 25 | 9 11 | 15 35 | 9 34 | 9 5 | 17 7 | 12 11 | 0 27 |
| M 7 | 16 7 | 13 20 | 1 21 | 15 45 | 0 31 | 0 47 | 0n 4 | 2 40 | 1 12 | 10 25 | 0 40 | 17 13 | 0 45 | 16 31 | 0 38 | 21 39 | 1 25 | 9 10 | 15 35 | 9 33 | 9 4 | 17 7 | 12 10 | 0 27 |
| T 8 | 16 24 | 15 45 | 2 22 | 16 20 | 0 24 | 0 30 | 0 10 | 2 55 | 1 12 | 10 22 | 0 40 | 17 13 | 0 45 | 16 31 | 0 38 | 21 40 | 1 25 | 9 10 | 15 35 | 9 33 | 9 3 | 17 8 | 12 9 | 0 28 |
| W 9 | 16 42 | 17 29 | 3 16 | 16 54 | 0 17 | 0 12 | 0 16 | 3 9 | 1 11 | 10 19 | 0 40 | 17 12 | 0 45 | 16 31 | 0 38 | 21 40 | 1 25 | 9 9 | 15 36 | 9 32 | 9 2 | 17 9 | 12 8 | 0 28 |
| T 10 | 16 58 | 18 28 | 4 3 | 17 27 | 0 10 | 0s 6 | 0 22 | 3 24 | 1 11 | 10 17 | 0 41 | 17 12 | 0 45 | 16 31 | 0 38 | 21 40 | 1 24 | 9 9 | 15 36 | 9 30 | 9 1 | 17 9 | 12 7 | 0 28 |
| F 11 | 17 15 | 18 38 | 4 38 | 17 59 | 0 4 | 0 25 | 0 28 | 3 39 | 1 11 | 10 14 | 0 41 | 17 11 | 0 45 | 16 31 | 0 38 | 21 40 | 1 24 | 9 8 | 15 36 | 9 29 | 9 0 | 17 10 | 12 6 | 0 28 |
| S 12 | 17 31 | 17 59 | 5 2 | 18 31 | 0s 3 | 0 43 | 0 33 | 3 53 | 1 11 | 10 12 | 0 41 | 17 10 | 0 45 | 16 31 | 0 38 | 21 40 | 1 24 | 9 8 | 15 37 | 9 27 | 8 58 | 17 11 | 12 5 | 0 28 |
| S 13 | 17 47 | 16 32 | 5 13 | 19 1 | 0 10 | 1 2 | 0 39 | 4 8 | 1 11 | 10 9 | 0 41 | 17 10 | 0 45 | 16 30 | 0 38 | 21 40 | 1 24 | 9 8 | 15 37 | 9 26 | 8 57 | 17 11 | 12 4 | 0 28 |
| M14 | 18 3 | 14 18 | 5 10 | 19 31 | 0 17 | 1 22 | 0 44 | 4 22 | 1 11 | 10 7 | 0 41 | 17 9 | 0 45 | 16 30 | 0 38 | 21 41 | 1 24 | 9 7 | 15 37 | 9 25 | 8 56 | 17 12 | 12 3 | 0 28 |
| T 15 | 18 18 | 11 22 | 4 53 | 19 59 | 0 24 | 1 41 | 0 49 | 4 36 | 1 11 | 10 5 | 0 42 | 17 8 | 0 45 | 16 30 | 0 38 | 21 41 | 1 24 | 9 7 | 15 38 | 9 24 | 8 55 | 17 13 | 12 2 | 0 28 |
| W16 | 18 33 | 7 50 | 4 20 | 20 26 | 0 30 | 2 1 | 0 54 | 4 51 | 1 11 | 10 2 | 0 42 | 17 7 | 0 45 | 16 30 | 0 38 | 21 41 | 1 24 | 9 7 | 15 38 | 9 24 | 8 54 | 17 13 | 12 1 | 0 28 |
| T 17 | 18 48 | 3 49 | 3 33 | 20 53 | 0 37 | 2 21 | 0 59 | 5 5 | 1 11 | 10 0 | 0 42 | 17 6 | 0 45 | 16 30 | 0 38 | 21 41 | 1 24 | 9 6 | 15 39 | 9 25 | 8 52 | 17 14 | 12 0 | 0 28 |
| F 18 | 19 2 | 0n32 | 2 32 | 21 18 | 0 43 | 2 41 | 1 4 | 5 19 | 1 11 | 9 58 | 0 42 | 17 5 | 0 45 | 16 30 | 0 39 | 21 41 | 1 24 | 9 6 | 15 39 | 9 25 | 8 51 | 17 15 | 11 59 | 0 28 |
| S 19 | 19 16 | 5 0 | 1 21 | 21 42 | 0 50 | 3 1 | 1 8 | 5 34 | 1 11 | 9 56 | 0 42 | 17 5 | 0 45 | 16 30 | 0 39 | 21 41 | 1 24 | 9 6 | 15 39 | 9 26 | 8 50 | 17 15 | 11 58 | 0 28 |
| S 20 | 19 30 | 9 20 | 0 2 | 22 5 | 0 56 | 3 22 | 1 12 | 5 48 | 1 11 | 9 54 | 0 43 | 17 4 | 0 45 | 16 30 | 0 39 | 21 41 | 1 24 | 9 5 | 15 40 | 9 26 | 8 49 | 17 16 | 11 57 | 0 28 |
| M21 | 19 43 | 13 11 | 1s19 | 22 27 | 1 3 | 3 43 | 1 17 | 6 2 | 1 11 | 9 52 | 0 43 | 17 3 | 0 45 | 16 30 | 0 39 | 21 42 | 1 24 | 9 5 | 15 40 | 9 26 | 8 48 | 17 16 | 11 57 | 0 28 |
| T 22 | 19 56 | 16 13 | 2 35 | 22 48 | 1 9 | 4 4 | 1 21 | 6 16 | 1 10 | 9 50 | 0 43 | 17 2 | 0 45 | 16 30 | 0 39 | 21 42 | 1 24 | 9 5 | 15 40 | 9 25 | 8 47 | 17 17 | 11 56 | 0 29 |
| W23 | 20 9 | 18 7 | 3 41 | 23 8 | 1 15 | 4 25 | 1 25 | 6 30 | 1 10 | 9 48 | 0 43 | 17 1 | 0 45 | 16 30 | 0 39 | 21 42 | 1 24 | 9 4 | 15 41 | 9 23 | 8 45 | 17 18 | 11 55 | 0 29 |
| T 24 | 20 21 | 18 42 | 4 31 | 23 26 | 1 21 | 4 46 | 1 29 | 6 44 | 1 10 | 9 46 | 0 43 | 17 0 | 0 45 | 16 30 | 0 39 | 21 42 | 1 24 | 9 4 | 15 41 | 9 21 | 8 44 | 17 18 | 11 54 | 0 29 |
| F 25 | 20 33 | 17 57 | 5 1 | 23 44 | 1 26 | 5 7 | 1 32 | 6 58 | 1 10 | 9 44 | 0 44 | 16 59 | 0 45 | 16 30 | 0 39 | 21 42 | 1 24 | 9 4 | 15 42 | 9 19 | 8 43 | 17 19 | 11 53 | 0 29 |
| S 26 | 20 45 | 16 2 | 5 11 | 24 0 | 1 32 | 5 29 | 1 36 | 7 12 | 1 10 | 9 42 | 0 44 | 16 58 | 0 45 | 16 30 | 0 39 | 21 42 | 1 24 | 9 4 | 15 42 | 9 17 | 8 42 | 17 19 | 11 52 | 0 29 |
| S 27 | 20 56 | 13 12 | 5 1 | 24 15 | 1 37 | 5 50 | 1 39 | 7 26 | 1 10 | 9 41 | 0 44 | 16 57 | 0 45 | 16 31 | 0 39 | 21 42 | 1 24 | 9 3 | 15 42 | 9 16 | 8 41 | 17 20 | 11 51 | 0 29 |
| M28 | 21 7 | 9 44 | 4 34 | 24 29 | 1 42 | 6 12 | 1 42 | 7 39 | 1 10 | 9 39 | 0 44 | 16 55 | 0 45 | 16 31 | 0 39 | 21 42 | 1 24 | 9 3 | 15 43 | 9 15 | 8 40 | 17 21 | 11 51 | 0 29 |
| T 29 | 21 17 | 5 53 | 3 53 | 24 41 | 1 47 | 6 33 | 1 46 | 7 53 | 1 10 | 9 37 | 0 45 | 16 54 | 0 45 | 16 31 | 0 39 | 21 43 | 1 24 | 9 3 | 15 43 | 9 14 | 8 38 | 17 21 | 11 50 | 0 29 |
| W30 | 21s27 | 1n52 | 3s 2 | 24s53 | 1s52 | 6s55 | 1n48 | 8s 7 | 1n10 | 9n36 | 0n45 | 16s53 | 0s45 | 16n31 | 0n39 | 21s43 | 1n24 | 9n 3 | 15n44 | 9s15 | 8s37 | 17s22 | 11n49 | 0s29 |

Julian Day Number = 2803577.5, Delta T = 51m01s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'55, Lahiri = 37°20'55


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# ASTRODIENST EPHEMERIS for the year 2963
# geocentric

## DECEMBER 2963 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 39 59 | 8♐33'28 | 0♎35 | 22♐36 | 23♎18 | 24♎26 | 7♍ 3 | 15♒22 | 16°R11 | 22♐43 | 13♎57 | 23♎58 | 22♎12 | 3♐17 | 2°R27 | T 1 |
| F 2 | 4 43 56 | 9°33'53 | 12°46 | 24° 5 | 24°25 | 25° 2 | 7° 7 | 15°26 | 16♌11 | 22°45 | 13°59 | 23°59 | 22° 9 | 3°23 | 2♉25 | F 2 |
| S 3 | 4 47 52 | 10°34'19 | 24°45 | 25°34 | 25°32 | 25°39 | 7°11 | 15°30 | 16°10 | 22°47 | 14° 0 | 24°R 0 | 22° 6 | 3°30 | 2°23 | S 3 |
| S 4 | 4 51 49 | 11°34'46 | 6♏38 | 27° 2 | 26°39 | 26°16 | 7°15 | 15°34 | 16°10 | 22°49 | 14° 1 | 23°59 | 22° 3 | 3°37 | 2°21 | S 4 |
| M 5 | 4 55 45 | 12°35'16 | 18°27 | 28°30 | 27°47 | 26°53 | 7°19 | 15°39 | 16° 9 | 22°52 | 14° 3 | 23°56 | 21°59 | 3°43 | 2°19 | M 5 |
| T 6 | 4 59 42 | 13°35'47 | 0♐15 | 29°58 | 28°54 | 27°30 | 7°22 | 15°43 | 16° 8 | 22°54 | 14° 4 | 23°50 | 21°56 | 3°50 | 2°17 | T 6 |
| W 7 | 5 3 39 | 14°36'20 | 12° 5 | 1♑25 | 0♏ 2 | 28° 7 | 7°26 | 15°48 | 16° 7 | 22°56 | 14° 6 | 23°42 | 21°53 | 3°57 | 2°15 | W 7 |
| T 8 | 5 7 35 | 15°36'54 | 23°58 | 2°51 | 1°10 | 28°44 | 7°29 | 15°52 | 16° 7 | 22°58 | 14° 7 | 23°33 | 21°50 | 4° 3 | 2°13 | T 8 |
| F 9 | 5 11 32 | 16°37'29 | 5♑56 | 4°17 | 2°18 | 29°21 | 7°32 | 15°57 | 16° 6 | 23° 0 | 14° 8 | 23°22 | 21°47 | 4°10 | 2°12 | F 9 |
| S 10 | 5 15 28 | 17°38'06 | 18° 0 | 5°42 | 3°27 | 29°57 | 7°35 | 16° 2 | 16° 5 | 23° 3 | 14° 9 | 23°11 | 21°44 | 4°17 | 2°10 | S 10 |
| S 11 | 5 19 25 | 18°38'44 | 0♒12 | 7° 6 | 4°35 | 0♏34 | 7°37 | 16° 7 | 16° 4 | 23° 5 | 14°11 | 23° 1 | 21°40 | 4°23 | 2° 8 | S 11 |
| M12 | 5 23 21 | 19°39'24 | 12°33 | 8°30 | 5°44 | 1°11 | 7°40 | 16°12 | 16° 3 | 23° 7 | 14°12 | 22°53 | 21°37 | 4°30 | 2° 6 | M12 |
| T 13 | 5 27 18 | 20°40'04 | 25° 7 | 9°52 | 6°53 | 1°47 | 7°42 | 16°17 | 16° 2 | 23°10 | 14°13 | 22°48 | 21°34 | 4°37 | 2° 5 | T 13 |
| W14 | 5 31 14 | 21°40'45 | 7♓55 | 11°13 | 8° 2 | 2°24 | 7°44 | 16°22 | 16° 0 | 23°12 | 14°14 | 22°44 | 21°31 | 4°44 | 2° 3 | W14 |
| T 15 | 5 35 11 | 22°41'28 | 21° 2 | 12°32 | 9°11 | 3° 1 | 7°46 | 16°27 | 15°59 | 23°14 | 14°15 | 22°D43 | 21°28 | 4°50 | 2° 2 | T 15 |
| F 16 | 5 39 8 | 23°42'11 | 4♈30 | 13°50 | 10°21 | 3°37 | 7°48 | 16°32 | 15°58 | 23°16 | 14°16 | 22°44 | 21°25 | 4°57 | 2° 0 | F 16 |
| S 17 | 5 43 4 | 24°42'55 | 18°21 | 15° 6 | 11°30 | 4°14 | 7°49 | 16°37 | 15°57 | 23°19 | 14°17 | 22°R44 | 21°21 | 5° 4 | 1°59 | S 17 |
| S 18 | 5 47 1 | 25°43'40 | 2♉38 | 16°20 | 12°40 | 4°50 | 7°50 | 16°42 | 15°55 | 23°21 | 14°18 | 22°44 | 21°18 | 5°10 | 1°57 | S 18 |
| M19 | 5 50 57 | 26°44'26 | 17°18 | 17°31 | 13°50 | 5°27 | 7°51 | 16°48 | 15°54 | 23°23 | 14°19 | 22°42 | 21°15 | 5°17 | 1°56 | M19 |
| T 20 | 5 54 54 | 27°45'13 | 2♊17 | 18°40 | 15° 0 | 6° 4 | 7°52 | 16°53 | 15°52 | 23°25 | 14°20 | 22°37 | 21°12 | 5°24 | 1°55 | T 20 |
| W21 | 5 58 50 | 28°46'01 | 17°29 | 19°45 | 16°10 | 6°40 | 7°53 | 16°59 | 15°51 | 23°28 | 14°21 | 22°29 | 21° 9 | 5°30 | 1°54 | W21 |
| T 22 | 6 2 47 | 29°46'50 | 2♋42 | 20°46 | 17°20 | 7°16 | 7°54 | 17° 4 | 15°49 | 23°30 | 14°22 | 22°20 | 21° 5 | 5°37 | 1°52 | T 22 |
| F 23 | 6 6 43 | 0♑47'41 | 17°47 | 21°43 | 18°31 | 7°53 | 7°54 | 17°10 | 15°48 | 23°32 | 14°23 | 22° 9 | 21° 2 | 5°44 | 1°51 | F 23 |
| S 24 | 6 10 40 | 1°48'32 | 2♌32 | 22°35 | 19°41 | 8°29 | 7°R54 | 17°16 | 15°46 | 23°34 | 14°24 | 21°58 | 20°59 | 5°50 | 1°50 | S 24 |
| S 25 | 6 14 37 | 2°49'24 | 16°51 | 23°22 | 20°52 | 9° 6 | 7°54 | 17°21 | 15°45 | 23°37 | 14°25 | 21°49 | 20°56 | 5°57 | 1°49 | S 25 |
| M26 | 6 18 33 | 3°50'17 | 0♍41 | 24° 2 | 22° 3 | 9°42 | 7°54 | 17°27 | 15°43 | 23°39 | 14°25 | 21°43 | 20°53 | 6° 4 | 1°48 | M26 |
| T 27 | 6 22 30 | 4°51'12 | 14° 1 | 24°34 | 23°14 | 10°18 | 7°53 | 17°33 | 15°41 | 23°41 | 14°26 | 21°38 | 20°50 | 6°10 | 1°47 | T 27 |
| W28 | 6 26 26 | 5°52'07 | 26°53 | 24°59 | 24°25 | 10°55 | 7°53 | 17°39 | 15°39 | 23°43 | 14°27 | 21°37 | 20°46 | 6°17 | 1°46 | W28 |
| T 29 | 6 30 23 | 6°53'04 | 9♎21 | 25°14 | 25°36 | 11°31 | 7°52 | 17°45 | 15°37 | 23°45 | 14°27 | 21°D36 | 20°43 | 6°24 | 1°46 | T 29 |
| F 30 | 6 34 19 | 7°54'02 | 21°32 | 25°R20 | 26°47 | 12° 7 | 7°51 | 17°51 | 15°36 | 23°48 | 14°28 | 21°R37 | 20°40 | 6°30 | 1°45 | F 30 |
| S 31 | 6 38 16 | 8♑55'01 | 3♏29 | 25♑15 | 27♏59 | 12♏43 | 7♍49 | 17♒57 | 15♌34 | 23♐50 | 14♎29 | 21♎36 | 20♎37 | 6♐37 | 1♉44 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s37 | 2s 7 | 2s 4 | 25s 3 | 1s57 | 7s17 | 1n51 | 8s20 | 1n 9 | 9n35 | 0n45 | 16s52 | 0s45 | 16n31 | 0n39 | 21s43 | 1n24 | 9n 3 | 15n44 | 9s15 | 8s36 | 17s22 | 11n48 | 0s29 |
| F 2 | 21 46 | 5 57 | 1 1 | 25 12 | 2 1 | 7 39 | 1 54 | 8 34 | 1 9 | 9 33 | 0 45 | 16 51 | 0 45 | 16 31 | 0 39 | 21 43 | 1 24 | 9 3 | 15 45 | 9 16 | 8 35 | 17 23 | 11 47 | 0 29 |
| S 3 | 21 55 | 9 29 | 0n 4 | 25 19 | 2 5 | 8 1 | 1 57 | 8 47 | 1 9 | 9 32 | 0 45 | 16 49 | 0 45 | 16 32 | 0 39 | 21 43 | 1 24 | 9 3 | 15 45 | 9 16 | 8 34 | 17 24 | 11 47 | 0 29 |
| S 4 | 22 3 | 12 35 | 1 8 | 25 25 | 2 9 | 8 22 | 1 59 | 9 1 | 1 9 | 9 31 | 0 46 | 16 48 | 0 45 | 16 32 | 0 39 | 21 43 | 1 24 | 9 2 | 15 46 | 9 15 | 8 32 | 17 24 | 11 46 | 0 29 |
| M 5 | 22 11 | 15 10 | 2 8 | 25 30 | 2 12 | 8 44 | 2 1 | 9 14 | 1 9 | 9 29 | 0 46 | 16 47 | 0 45 | 16 32 | 0 39 | 21 43 | 1 24 | 9 2 | 15 46 | 9 14 | 8 31 | 17 25 | 11 45 | 0 29 |
| T 6 | 22 19 | 17 7 | 3 3 | 25 34 | 2 15 | 9 6 | 2 4 | 9 27 | 1 9 | 9 28 | 0 46 | 16 46 | 0 45 | 16 32 | 0 39 | 21 44 | 1 24 | 9 2 | 15 47 | 9 12 | 8 30 | 17 25 | 11 45 | 0 29 |
| W 7 | 22 26 | 18 20 | 3 49 | 25 36 | 2 18 | 9 28 | 2 6 | 9 41 | 1 9 | 9 27 | 0 46 | 16 44 | 0 45 | 16 33 | 0 39 | 21 44 | 1 24 | 9 2 | 15 47 | 9 9 | 8 29 | 17 26 | 11 44 | 0 29 |
| T 8 | 22 32 | 18 45 | 4 26 | 25 37 | 2 21 | 9 49 | 2 8 | 9 54 | 1 8 | 9 26 | 0 47 | 16 43 | 0 45 | 16 33 | 0 39 | 21 44 | 1 24 | 9 2 | 15 48 | 9 6 | 8 28 | 17 26 | 11 43 | 0 30 |
| F 9 | 22 39 | 18 20 | 4 51 | 25 37 | 2 23 | 10 11 | 2 9 | 10 7 | 1 8 | 9 25 | 0 47 | 16 41 | 0 45 | 16 33 | 0 39 | 21 44 | 1 24 | 9 2 | 15 48 | 9 2 | 8 27 | 17 27 | 11 42 | 0 30 |
| S 10 | 22 44 | 17 5 | 5 4 | 25 36 | 2 24 | 10 32 | 2 11 | 10 20 | 1 8 | 9 25 | 0 47 | 16 40 | 0 45 | 16 34 | 0 39 | 21 44 | 1 24 | 9 2 | 15 48 | 8 58 | 8 25 | 17 28 | 11 42 | 0 30 |
| S 11 | 22 50 | 15 4 | 5 3 | 25 33 | 2 26 | 10 54 | 2 13 | 10 33 | 1 8 | 9 24 | 0 47 | 16 39 | 0 45 | 16 34 | 0 39 | 21 44 | 1 24 | 9 2 | 15 49 | 8 54 | 8 24 | 17 28 | 11 41 | 0 30 |
| M12 | 22 55 | 12 21 | 4 48 | 25 29 | 2 26 | 11 15 | 2 14 | 10 46 | 1 8 | 9 23 | 0 48 | 16 37 | 0 45 | 16 34 | 0 39 | 21 44 | 1 24 | 9 2 | 15 49 | 8 51 | 8 23 | 17 29 | 11 41 | 0 30 |
| T 13 | 22 59 | 9 1 | 4 18 | 25 23 | 2 27 | 11 36 | 2 15 | 10 58 | 1 8 | 9 23 | 0 48 | 16 36 | 0 45 | 16 35 | 0 40 | 21 44 | 1 24 | 9 2 | 15 50 | 8 49 | 8 22 | 17 29 | 11 40 | 0 30 |
| W14 | 23 3 | 5 13 | 3 36 | 25 16 | 2 26 | 11 57 | 2 16 | 11 11 | 1 8 | 9 22 | 0 48 | 16 34 | 0 45 | 16 35 | 0 40 | 21 45 | 1 24 | 9 2 | 15 51 | 8 48 | 8 21 | 17 30 | 11 39 | 0 30 |
| T 15 | 23 7 | 1 4 | 2 41 | 25 8 | 2 26 | 12 18 | 2 17 | 11 24 | 1 7 | 9 22 | 0 48 | 16 33 | 0 45 | 16 35 | 0 40 | 21 45 | 1 24 | 9 2 | 15 51 | 8 48 | 8 20 | 17 30 | 11 39 | 0 30 |
| F 16 | 23 10 | 3n15 | 1 36 | 24 59 | 2 24 | 12 39 | 2 18 | 11 36 | 1 7 | 9 21 | 0 49 | 16 31 | 0 45 | 16 36 | 0 40 | 21 45 | 1 24 | 9 2 | 15 52 | 8 48 | 8 18 | 17 31 | 11 38 | 0 30 |
| S 17 | 23 12 | 7 31 | 0 23 | 24 49 | 2 22 | 13 0 | 2 19 | 11 49 | 1 7 | 9 21 | 0 49 | 16 30 | 0 45 | 16 36 | 0 40 | 21 45 | 1 24 | 9 2 | 15 52 | 8 48 | 8 17 | 17 31 | 11 38 | 0 30 |
| S 18 | 23 15 | 11 30 | 0s53 | 24 37 | 2 19 | 13 20 | 2 20 | 12 1 | 1 7 | 9 21 | 0 49 | 16 28 | 0 45 | 16 37 | 0 40 | 21 45 | 1 24 | 9 3 | 15 53 | 8 48 | 8 16 | 17 32 | 11 37 | 0 30 |
| M19 | 23 16 | 14 52 | 2 7 | 24 25 | 2 16 | 13 40 | 2 20 | 12 13 | 1 7 | 9 20 | 0 49 | 16 26 | 0 45 | 16 37 | 0 40 | 21 45 | 1 24 | 9 3 | 15 53 | 8 47 | 8 15 | 17 33 | 11 37 | 0 30 |
| T 20 | 23 18 | 17 20 | 3 14 | 24 11 | 2 12 | 14 0 | 2 21 | 12 25 | 1 6 | 9 20 | 0 50 | 16 25 | 0 45 | 16 38 | 0 40 | 21 45 | 1 24 | 9 3 | 15 54 | 8 45 | 8 14 | 17 33 | 11 36 | 0 30 |
| W21 | 23 18 | 18 36 | 4 9 | 23 57 | 2 6 | 14 20 | 2 21 | 12 38 | 1 6 | 9 20 | 0 50 | 16 23 | 0 45 | 16 38 | 0 40 | 21 45 | 1 24 | 9 3 | 15 54 | 8 42 | 8 12 | 17 34 | 11 36 | 0 30 |
| T 22 | 23 19 | 18 32 | 4 45 | 23 42 | 2 0 | 14 39 | 2 21 | 12 50 | 1 6 | 9 20 | 0 50 | 16 21 | 0 45 | 16 39 | 0 40 | 21 45 | 1 24 | 9 3 | 15 55 | 8 39 | 8 11 | 17 34 | 11 35 | 0 30 |
| F 23 | 23 19 | 17 9 | 5 2 | 23 26 | 1 53 | 14 58 | 2 22 | 13 2 | 1 6 | 9 20 | 0 50 | 16 20 | 0 45 | 16 39 | 0 40 | 21 46 | 1 24 | 9 3 | 15 55 | 8 35 | 8 10 | 17 35 | 11 35 | 0 30 |
| S 24 | 23 18 | 14 39 | 4 57 | 23 9 | 1 45 | 15 17 | 2 22 | 13 13 | 1 6 | 9 21 | 0 50 | 16 18 | 0 45 | 16 40 | 0 40 | 21 46 | 1 24 | 9 4 | 15 56 | 8 31 | 8 9 | 17 35 | 11 34 | 0 30 |
| S 25 | 23 17 | 11 20 | 4 34 | 22 53 | 1 36 | 15 36 | 2 21 | 13 25 | 1 5 | 9 21 | 0 51 | 16 16 | 0 45 | 16 40 | 0 40 | 21 46 | 1 24 | 9 4 | 15 56 | 8 28 | 8 8 | 17 36 | 11 34 | 0 30 |
| M26 | 23 15 | 7 29 | 3 56 | 22 35 | 1 25 | 15 54 | 2 21 | 13 37 | 1 5 | 9 21 | 0 51 | 16 15 | 0 46 | 16 41 | 0 40 | 21 46 | 1 24 | 9 4 | 15 57 | 8 25 | 8 6 | 17 36 | 11 34 | 0 30 |
| T 27 | 23 13 | 3 24 | 3 6 | 22 18 | 1 14 | 16 12 | 2 21 | 13 48 | 1 5 | 9 22 | 0 51 | 16 13 | 0 46 | 16 41 | 0 40 | 21 46 | 1 24 | 9 4 | 15 57 | 8 24 | 8 5 | 17 37 | 11 33 | 0 31 |
| W28 | 23 11 | 0s43 | 2 7 | 22 1 | 1 1 | 16 30 | 2 20 | 14 0 | 1 5 | 9 22 | 0 51 | 16 11 | 0 46 | 16 42 | 0 40 | 21 46 | 1 24 | 9 4 | 15 58 | 8 23 | 8 4 | 17 37 | 11 33 | 0 31 |
| T 29 | 23 8 | 4 41 | 1 5 | 21 44 | 0 47 | 16 47 | 2 20 | 14 11 | 1 4 | 9 23 | 0 52 | 16 9 | 0 46 | 16 42 | 0 40 | 21 46 | 1 24 | 9 5 | 15 59 | 8 23 | 8 3 | 17 38 | 11 33 | 0 31 |
| F 30 | 23 5 | 8 21 | 0 0 | 21 28 | 0 31 | 17 4 | 2 19 | 14 22 | 1 4 | 9 23 | 0 52 | 16 7 | 0 46 | 16 43 | 0 40 | 21 46 | 1 24 | 9 5 | 15 59 | 8 23 | 8 2 | 17 38 | 11 32 | 0 31 |
| S 31 | 23s 1 | 11s38 | 1n 3 | 21s13 | 0s14 | 17s21 | 2n19 | 14s34 | 1n 4 | 9n24 | 0n52 | 16s 6 | 0s46 | 16n43 | 0n40 | 21s46 | 1n24 | 9n 5 | 16n 0 | 8s23 | 8s 1 | 17s39 | 11n32 | 0s31 |

Julian Day Number = 2803607.5, Delta T = 51m02s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°13'59, Lahiri = 37°20'59


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# ASTRODIENST EPHEMERIS for the year 2964
# geocentric

## JANUARY 2964 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 42 12 | 9♑56'00 | 15♏19 | 24°R58 | 29♏10 | 13♏20 | 7°R48 | 18♒ 3 | 15°R32 | 23♐52 | 14♎29 | 21°R34 | 20♎34 | 6♐44 | 1°R43 | S 1 |
| M 2 | 6 46 9 | 10°57'01 | 27° 7 | 24♑30 | 0♐22 | 13°56 | 7♍46 | 18° 9 | 15♌30 | 23°54 | 14°30 | 21♎29 | 20°31 | 6°50 | 1♉43 | M 2 |
| T 3 | 6 50 6 | 11°58'03 | 8♐55 | 23°51 | 1°33 | 14°32 | 7°45 | 18°16 | 15°28 | 23°56 | 14°30 | 21°21 | 20°27 | 6°57 | 1°42 | T 3 |
| W 4 | 6 54 2 | 12°59'05 | 20°48 | 23° 0 | 2°45 | 15° 8 | 7°42 | 18°22 | 15°26 | 23°59 | 14°31 | 21°10 | 20°24 | 7° 4 | 1°42 | W 4 |
| T 5 | 6 57 59 | 14° 0'09 | 2♑48 | 21°59 | 3°57 | 15°44 | 7°40 | 18°28 | 15°24 | 24° 1 | 14°31 | 20°57 | 20°21 | 7°11 | 1°41 | T 5 |
| F 6 | 7 1 55 | 15° 1'12 | 14°55 | 20°50 | 5° 9 | 16°20 | 7°38 | 18°34 | 15°21 | 24° 3 | 14°31 | 20°42 | 20°18 | 7°17 | 1°41 | F 6 |
| S 7 | 7 5 52 | 16° 2'17 | 27°11 | 19°33 | 6°21 | 16°56 | 7°35 | 18°41 | 15°19 | 24° 5 | 14°32 | 20°27 | 20°15 | 7°24 | 1°41 | S 7 |
| S 8 | 7 9 48 | 17° 3'21 | 9♒37 | 18°12 | 7°33 | 17°32 | 7°32 | 18°47 | 15°17 | 24° 7 | 14°32 | 20°13 | 20°11 | 7°31 | 1°40 | S 8 |
| M 9 | 7 13 45 | 18° 4'26 | 22°13 | 16°49 | 8°45 | 18° 8 | 7°29 | 18°54 | 15°15 | 24° 9 | 14°32 | 20° 2 | 20° 8 | 7°37 | 1°40 | M 9 |
| T 10 | 7 17 41 | 19° 5'32 | 4♓58 | 15°28 | 9°57 | 18°44 | 7°26 | 19° 0 | 15°13 | 24°11 | 14°32 | 19°53 | 20° 5 | 7°44 | 1°40 | T 10 |
| W11 | 7 21 38 | 20° 6'37 | 17°56 | 14°10 | 11°10 | 19°19 | 7°23 | 19° 7 | 15°10 | 24°13 | 14°33 | 19°48 | 20° 2 | 7°51 | 1°40 | W11 |
| T 12 | 7 25 35 | 21° 7'43 | 1♈ 6 | 12°59 | 12°22 | 19°55 | 7°19 | 19°13 | 15° 8 | 24°15 | 14°33 | 19°45 | 19°59 | 7°57 | 1°D40 | T 12 |
| F 13 | 7 29 31 | 22° 8'48 | 14°32 | 11°55 | 13°35 | 20°31 | 7°16 | 19°20 | 15° 6 | 24°18 | 14°33 | 19°44 | 19°56 | 8° 4 | 1°40 | F 13 |
| S 14 | 7 33 28 | 23° 9'54 | 28°15 | 11° 0 | 14°47 | 21° 7 | 7°12 | 19°27 | 15° 3 | 24°20 | 14°33 | 19°44 | 19°52 | 8°11 | 1°40 | S 14 |
| S 15 | 7 37 24 | 24°10'59 | 12♉17 | 10°16 | 16° 0 | 21°42 | 7° 8 | 19°33 | 15° 1 | 24°22 | 14°33 | 19°43 | 19°49 | 8°17 | 1°40 | S 15 |
| M16 | 7 41 21 | 25°12'04 | 26°37 | 9°42 | 17°12 | 22°18 | 7° 3 | 19°40 | 14°59 | 24°24 | 14°33 | 19°41 | 19°46 | 8°24 | 1°40 | M16 |
| T 17 | 7 45 17 | 26°13'10 | 11♊14 | 9°18 | 18°25 | 22°53 | 6°59 | 19°47 | 14°56 | 24°26 | 14°R33 | 19°35 | 19°43 | 8°31 | 1°41 | T 17 |
| W18 | 7 49 14 | 27°14'15 | 26° 3 | 9° 4 | 19°38 | 23°29 | 6°54 | 19°54 | 14°54 | 24°28 | 14°33 | 19°27 | 19°40 | 8°38 | 1°41 | W18 |
| T 19 | 7 53 11 | 28°15'20 | 10♋57 | 9°D 1 | 20°51 | 24° 4 | 6°49 | 20° 1 | 14°51 | 24°30 | 14°33 | 19°17 | 19°37 | 8°44 | 1°41 | T 19 |
| F 20 | 7 57 7 | 29°16'25 | 25°47 | 9° 6 | 22° 4 | 24°40 | 6°45 | 20° 7 | 14°49 | 24°31 | 14°33 | 19° 5 | 19°33 | 8°51 | 1°42 | F 20 |
| S 21 | 8 1 4 | 0♒17'30 | 10♌25 | 9°19 | 23°17 | 25°15 | 6°39 | 20°14 | 14°46 | 24°33 | 14°33 | 18°53 | 19°30 | 8°58 | 1°42 | S 21 |
| S 22 | 8 5 0 | 1°18'35 | 24°42 | 9°40 | 24°30 | 25°51 | 6°34 | 20°21 | 14°44 | 24°35 | 14°33 | 18°42 | 19°27 | 9° 4 | 1°43 | S 22 |
| M23 | 8 8 57 | 2°19'40 | 8♍33 | 10° 8 | 25°43 | 26°26 | 6°29 | 20°28 | 14°41 | 24°37 | 14°33 | 18°34 | 19°24 | 9°11 | 1°43 | M23 |
| T 24 | 8 12 53 | 3°20'45 | 21°57 | 10°43 | 26°56 | 27° 1 | 6°23 | 20°35 | 14°39 | 24°39 | 14°32 | 18°29 | 19°21 | 9°18 | 1°44 | T 24 |
| W25 | 8 16 50 | 4°21'50 | 4♎54 | 11°22 | 28° 9 | 27°36 | 6°17 | 20°42 | 14°36 | 24°41 | 14°32 | 18°26 | 19°17 | 9°24 | 1°45 | W25 |
| T 26 | 8 20 46 | 5°22'56 | 17°27 | 12° 7 | 29°22 | 28°12 | 6°12 | 20°49 | 14°34 | 24°43 | 14°32 | 18°D25 | 19°14 | 9°31 | 1°45 | T 26 |
| F 27 | 8 24 43 | 6°24'01 | 29°41 | 12°57 | 0♑36 | 28°47 | 6° 6 | 20°56 | 14°31 | 24°45 | 14°31 | 18°26 | 19°11 | 9°38 | 1°46 | F 27 |
| S 28 | 8 28 40 | 7°25'06 | 11♏41 | 13°50 | 1°49 | 29°22 | 5°59 | 21° 3 | 14°29 | 24°46 | 14°31 | 18°R26 | 19° 8 | 9°44 | 1°47 | S 28 |
| S 29 | 8 32 36 | 8°26'12 | 23°33 | 14°47 | 3° 2 | 29°57 | 5°53 | 21°10 | 14°26 | 24°48 | 14°31 | 18°24 | 19° 5 | 9°51 | 1°48 | S 29 |
| M30 | 8 36 33 | 9°27'17 | 5♐22 | 15°48 | 4°16 | 0♐32 | 5°47 | 21°17 | 14°23 | 24°50 | 14°30 | 18°21 | 19° 2 | 9°58 | 1°49 | M30 |
| T 31 | 8 40 29 | 10♒28'22 | 17♐12 | 16♑51 | 5♑29 | 1♐ 7 | 5♍40 | 21♒24 | 14♌21 | 24♐52 | 14♎30 | 18♎15 | 18♎58 | 10♐ 4 | 1♉50 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s57 | 14s24 | 2n 2 | 20s58 | 0n 3 | 17s37 | 2n18 | 14s45 | 1n 4 | 9n25 | 0n52 | 16s 4 | 0s46 | 16n44 | 0n40 | 21s46 | 1n24 | 9n 6 | 16n 0 | 8s22 | 7s59 | 17s39 | 11n32 | 0s31 |
| M 2 | 22 52 | 16 33 | 2 56 | 20 45 | 0 22 | 17 53 | 2 17 | 14 56 | 1 3 | 9 25 | 0 53 | 16 2 | 0 46 | 16 45 | 0 40 | 21 47 | 1 24 | 9 6 | 16 1 | 8 20 | 7 58 | 17 40 | 11 31 | 0 31 |
| T 3 | 22 47 | 18 0 | 3 43 | 20 32 | 0 41 | 18 9 | 2 16 | 15 6 | 1 3 | 9 26 | 0 53 | 16 0 | 0 46 | 16 45 | 0 40 | 21 47 | 1 24 | 9 6 | 16 1 | 8 17 | 7 57 | 17 40 | 11 31 | 0 31 |
| W 4 | 22 41 | 18 41 | 4 19 | 20 21 | 1 1 | 18 24 | 2 15 | 15 17 | 1 3 | 9 27 | 0 53 | 15 58 | 0 46 | 16 46 | 0 40 | 21 47 | 1 24 | 9 7 | 16 2 | 8 13 | 7 56 | 17 41 | 11 31 | 0 31 |
| T 5 | 22 35 | 18 32 | 4 45 | 20 12 | 1 21 | 18 38 | 2 13 | 15 28 | 1 3 | 9 28 | 0 53 | 15 56 | 0 46 | 16 47 | 0 40 | 21 47 | 1 24 | 9 7 | 16 2 | 8 8 | 7 55 | 17 41 | 11 31 | 0 31 |
| F 6 | 22 28 | 17 33 | 4 58 | 20 3 | 1 40 | 18 53 | 2 12 | 15 38 | 1 2 | 9 30 | 0 54 | 15 54 | 0 46 | 16 47 | 0 40 | 21 47 | 1 24 | 9 7 | 16 3 | 8 2 | 7 53 | 17 42 | 11 31 | 0 31 |
| S 7 | 22 21 | 15 44 | 4 58 | 19 56 | 1 58 | 19 6 | 2 11 | 15 49 | 1 2 | 9 31 | 0 54 | 15 52 | 0 46 | 16 48 | 0 40 | 21 47 | 1 24 | 9 8 | 16 4 | 7 57 | 7 52 | 17 42 | 11 30 | 0 31 |
| S 8 | 22 14 | 13 12 | 4 43 | 19 51 | 2 15 | 19 20 | 2 9 | 15 59 | 1 2 | 9 32 | 0 54 | 15 50 | 0 46 | 16 49 | 0 40 | 21 47 | 1 24 | 9 8 | 16 4 | 7 52 | 7 51 | 17 43 | 11 30 | 0 31 |
| M 9 | 22 6 | 10 1 | 4 14 | 19 46 | 2 30 | 19 32 | 2 8 | 16 9 | 1 1 | 9 33 | 0 54 | 15 48 | 0 46 | 16 49 | 0 40 | 21 47 | 1 24 | 9 9 | 16 5 | 7 47 | 7 50 | 17 43 | 11 30 | 0 31 |
| T 10 | 21 58 | 6 20 | 3 33 | 19 43 | 2 43 | 19 45 | 2 6 | 16 19 | 1 1 | 9 35 | 0 55 | 15 46 | 0 46 | 16 50 | 0 40 | 21 47 | 1 24 | 9 9 | 16 5 | 7 44 | 7 49 | 17 43 | 11 30 | 0 31 |
| W11 | 21 49 | 2 18 | 2 40 | 19 41 | 2 53 | 19 56 | 2 5 | 16 29 | 1 1 | 9 36 | 0 55 | 15 44 | 0 46 | 16 51 | 0 40 | 21 47 | 1 24 | 9 9 | 16 6 | 7 42 | 7 47 | 17 44 | 11 30 | 0 31 |
| T 12 | 21 40 | 1n55 | 1 37 | 19 40 | 3 1 | 20 8 | 2 3 | 16 39 | 1 1 | 9 38 | 0 55 | 15 42 | 0 46 | 16 51 | 0 40 | 21 47 | 1 24 | 9 10 | 16 6 | 7 41 | 7 46 | 17 44 | 11 30 | 0 31 |
| F 13 | 21 30 | 6 7 | 0 27 | 19 41 | 3 7 | 20 18 | 2 1 | 16 49 | 1 0 | 9 39 | 0 55 | 15 40 | 0 46 | 16 52 | 0 40 | 21 47 | 1 24 | 9 10 | 16 7 | 7 41 | 7 45 | 17 45 | 11 30 | 0 31 |
| S 14 | 21 20 | 10 6 | 0s45 | 19 42 | 3 10 | 20 29 | 1 59 | 16 59 | 1 0 | 9 41 | 0 56 | 15 38 | 0 46 | 16 53 | 0 40 | 21 48 | 1 24 | 9 11 | 16 8 | 7 41 | 7 44 | 17 45 | 11 30 | 0 31 |
| S 15 | 21 10 | 13 36 | 1 56 | 19 45 | 3 10 | 20 38 | 1 57 | 17 8 | 1 0 | 9 43 | 0 56 | 15 36 | 0 46 | 16 53 | 0 40 | 21 48 | 1 24 | 9 11 | 16 8 | 7 41 | 7 43 | 17 46 | 11 30 | 0 31 |
| M16 | 20 59 | 16 21 | 3 2 | 19 49 | 3 9 | 20 48 | 1 55 | 17 18 | 0 59 | 9 45 | 0 56 | 15 34 | 0 46 | 16 54 | 0 41 | 21 48 | 1 24 | 9 12 | 16 9 | 7 40 | 7 41 | 17 46 | 11 30 | 0 32 |
| T 17 | 20 48 | 18 6 | 3 56 | 19 53 | 3 6 | 20 56 | 1 53 | 17 27 | 0 59 | 9 46 | 0 56 | 15 32 | 0 46 | 16 55 | 0 41 | 21 48 | 1 24 | 9 12 | 16 9 | 7 37 | 7 40 | 17 47 | 11 30 | 0 32 |
| W18 | 20 36 | 18 39 | 4 36 | 19 59 | 3 2 | 21 4 | 1 51 | 17 36 | 0 59 | 9 48 | 0 56 | 15 30 | 0 46 | 16 56 | 0 41 | 21 48 | 1 24 | 9 13 | 16 10 | 7 34 | 7 39 | 17 47 | 11 30 | 0 32 |
| T 19 | 20 24 | 17 55 | 4 57 | 20 5 | 2 56 | 21 12 | 1 48 | 17 45 | 0 58 | 9 50 | 0 57 | 15 28 | 0 46 | 16 56 | 0 41 | 21 48 | 1 24 | 9 13 | 16 10 | 7 30 | 7 38 | 17 47 | 11 30 | 0 32 |
| F 20 | 20 12 | 15 59 | 4 59 | 20 11 | 2 50 | 21 19 | 1 46 | 17 54 | 0 58 | 9 52 | 0 57 | 15 26 | 0 46 | 16 57 | 0 41 | 21 48 | 1 24 | 9 14 | 16 11 | 7 26 | 7 37 | 17 48 | 11 30 | 0 32 |
| S 21 | 19 59 | 13 2 | 4 40 | 20 18 | 2 42 | 21 25 | 1 44 | 18 3 | 0 57 | 9 54 | 0 57 | 15 24 | 0 46 | 16 58 | 0 41 | 21 48 | 1 24 | 9 15 | 16 11 | 7 21 | 7 36 | 17 48 | 11 30 | 0 32 |
| S 22 | 19 46 | 9 23 | 4 4 | 20 24 | 2 34 | 21 31 | 1 41 | 18 11 | 0 57 | 9 56 | 0 57 | 15 22 | 0 46 | 16 59 | 0 41 | 21 48 | 1 24 | 9 15 | 16 12 | 7 18 | 7 34 | 17 49 | 11 31 | 0 32 |
| M23 | 19 32 | 5 19 | 3 14 | 20 31 | 2 25 | 21 36 | 1 39 | 18 20 | 0 57 | 9 59 | 0 57 | 15 19 | 0 46 | 16 59 | 0 41 | 21 48 | 1 24 | 9 16 | 16 13 | 7 14 | 7 33 | 17 49 | 11 31 | 0 32 |
| T 24 | 19 18 | 1 6 | 2 16 | 20 37 | 2 16 | 21 40 | 1 36 | 18 28 | 0 56 | 10 1 | 0 58 | 15 17 | 0 46 | 17 0 | 0 41 | 21 48 | 1 24 | 9 16 | 16 13 | 7 12 | 7 32 | 17 50 | 11 31 | 0 32 |
| W25 | 19 4 | 3s 2 | 1 11 | 20 43 | 2 7 | 21 44 | 1 34 | 18 37 | 0 56 | 10 3 | 0 58 | 15 15 | 0 46 | 17 1 | 0 41 | 21 48 | 1 24 | 9 17 | 16 14 | 7 11 | 7 31 | 17 50 | 11 31 | 0 32 |
| T 26 | 18 49 | 6 54 | 0 5 | 20 49 | 1 57 | 21 47 | 1 31 | 18 45 | 0 56 | 10 6 | 0 58 | 15 13 | 0 47 | 17 2 | 0 41 | 21 48 | 1 24 | 9 17 | 16 14 | 7 11 | 7 30 | 17 50 | 11 31 | 0 32 |
| F 27 | 18 34 | 10 22 | 1n 0 | 20 54 | 1 47 | 21 50 | 1 29 | 18 53 | 0 55 | 10 8 | 0 58 | 15 11 | 0 47 | 17 2 | 0 41 | 21 48 | 1 24 | 9 18 | 16 15 | 7 11 | 7 28 | 17 51 | 11 32 | 0 32 |
| S 28 | 18 19 | 13 21 | 2 0 | 20 59 | 1 38 | 21 52 | 1 26 | 19 1 | 0 55 | 10 10 | 0 59 | 15 8 | 0 47 | 17 3 | 0 41 | 21 48 | 1 24 | 9 19 | 16 15 | 7 11 | 7 27 | 17 51 | 11 32 | 0 32 |
| S 29 | 18 3 | 15 44 | 2 55 | 21 2 | 1 28 | 21 54 | 1 23 | 19 9 | 0 54 | 10 13 | 0 59 | 15 6 | 0 47 | 17 4 | 0 41 | 21 48 | 1 24 | 9 19 | 16 16 | 7 11 | 7 26 | 17 52 | 11 32 | 0 32 |
| M30 | 17 48 | 17 26 | 3 42 | 21 5 | 1 18 | 21 54 | 1 20 | 19 17 | 0 54 | 10 15 | 0 59 | 15 4 | 0 47 | 17 5 | 0 41 | 21 48 | 1 24 | 9 20 | 16 16 | 7 9 | 7 25 | 17 52 | 11 32 | 0 32 |
| T 31 | 17s31 | 18s23 | 4n20 | 21s 7 | 1n 8 | 21s54 | 1n18 | 19s24 | 0n53 | 10n18 | 0n59 | 15s 2 | 0s47 | 17n 5 | 0n41 | 21s48 | 1n24 | 9n21 | 16n17 | 7s 7 | 7s24 | 17s52 | 11n33 | 0s32 |

Julian Day Number = 2803638.5, Delta T = 51m02s
Ecliptic obliquity = 23°18'42, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°14'03, Lahiri = 37°21'04


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# ASTRODIENST EPHEMERIS for the year 2964
# geocentric

## FEBRUARY 2964 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 8 44 26 | 11♒29'27 | 29♐ 9 | 17♑57 | 6♑43 | 1♐42 | 5°R34 | 21♒31 | 14°R18 | 24♐53 | 14°R29 | 18°R 7 | 18♎55 | 10♐11 | 1♉51 | W 1 |
| T 2 | 8 48 22 | 12°30'32 | 11♑14 | 19° 5 | 7°56 | 2°16 | 5♏27 | 21°39 | 14♌16 | 24°55 | 14♎29 | 17♎56 | 18°52 | 10°18 | 1°52 | T 2 |
| F 3 | 8 52 19 | 13°31'37 | 23°31 | 20°16 | 9°10 | 2°51 | 5°20 | 21°46 | 14°13 | 24°57 | 14°28 | 17°44 | 18°49 | 10°25 | 1°53 | F 3 |
| S 4 | 8 56 15 | 14°32'41 | 6♒ 1 | 21°28 | 10°23 | 3°26 | 5°13 | 21°53 | 14°10 | 24°58 | 14°27 | 17°31 | 18°46 | 10°31 | 1°55 | S 4 |
| S 5 | 9 0 12 | 15°33'44 | 18°44 | 22°42 | 11°37 | 4° 0 | 5° 6 | 22° 0 | 14° 8 | 25° 0 | 14°27 | 17°19 | 18°43 | 10°38 | 1°56 | S 5 |
| M 6 | 9 4 9 | 16°34'47 | 1♓39 | 23°58 | 12°50 | 4°35 | 4°59 | 22° 7 | 14° 5 | 25° 1 | 14°26 | 17°10 | 18°39 | 10°45 | 1°57 | M 6 |
| T 7 | 9 8 5 | 17°35'49 | 14°45 | 25°15 | 14° 4 | 5° 9 | 4°51 | 22°14 | 14° 2 | 25° 3 | 14°26 | 17° 3 | 18°36 | 10°51 | 1°59 | T 7 |
| W 8 | 9 12 2 | 18°36'51 | 28° 3 | 26°33 | 15°18 | 5°44 | 4°44 | 22°21 | 14° 0 | 25° 4 | 14°25 | 16°58 | 18°33 | 10°58 | 2° 0 | W 8 |
| T 9 | 9 15 58 | 19°37'51 | 11♈31 | 27°53 | 16°32 | 6°18 | 4°36 | 22°29 | 13°57 | 25° 6 | 14°24 | 16°D57 | 18°30 | 11° 5 | 2° 2 | T 9 |
| F 10 | 9 19 55 | 20°38'51 | 25° 8 | 29°14 | 17°45 | 6°52 | 4°29 | 22°36 | 13°55 | 25° 7 | 14°23 | 16°57 | 18°27 | 11°11 | 2° 3 | F 10 |
| S 11 | 9 23 51 | 21°39'49 | 8♉57 | 0♒36 | 18°59 | 7°27 | 4°21 | 22°43 | 13°52 | 25° 9 | 14°22 | 16°58 | 18°23 | 11°18 | 2° 5 | S 11 |
| S 12 | 9 27 48 | 22°40'47 | 22°55 | 1°59 | 20°13 | 8° 1 | 4°14 | 22°50 | 13°49 | 25°10 | 14°22 | 16°R58 | 18°20 | 11°25 | 2° 6 | S 12 |
| M13 | 9 31 44 | 23°41'43 | 7♊ 4 | 3°23 | 21°27 | 8°35 | 4° 6 | 22°57 | 13°47 | 25°12 | 14°21 | 16°57 | 18°17 | 11°32 | 2° 8 | M13 |
| T 14 | 9 35 41 | 24°42'39 | 21°21 | 4°48 | 22°41 | 9° 9 | 3°58 | 23° 5 | 13°44 | 25°13 | 14°20 | 16°54 | 18°14 | 11°38 | 2°10 | T 14 |
| W15 | 9 39 38 | 25°43'33 | 5♋45 | 6°14 | 23°55 | 9°43 | 3°50 | 23°12 | 13°42 | 25°14 | 14°19 | 16°49 | 18°11 | 11°45 | 2°12 | W15 |
| T 16 | 9 43 34 | 26°44'26 | 20°10 | 7°41 | 25° 8 | 10°17 | 3°43 | 23°19 | 13°39 | 25°16 | 14°18 | 16°42 | 18° 8 | 11°52 | 2°14 | T 16 |
| F 17 | 9 47 31 | 27°45'17 | 4♌33 | 9° 9 | 26°22 | 10°50 | 3°35 | 23°26 | 13°37 | 25°17 | 14°17 | 16°34 | 18° 4 | 11°58 | 2°16 | F 17 |
| S 18 | 9 51 27 | 28°46'08 | 18°46 | 10°38 | 27°36 | 11°24 | 3°27 | 23°33 | 13°34 | 25°18 | 14°16 | 16°26 | 18° 1 | 12° 5 | 2°17 | S 18 |
| S 19 | 9 55 24 | 29°46'58 | 2♍44 | 12° 7 | 28°50 | 11°58 | 3°19 | 23°40 | 13°32 | 25°20 | 14°15 | 16°18 | 17°58 | 12°12 | 2°19 | S 19 |
| M20 | 9 59 20 | 0♓47'46 | 16°23 | 13°37 | 0♒ 4 | 12°31 | 3°11 | 23°47 | 13°29 | 25°21 | 14°14 | 16°13 | 17°55 | 12°18 | 2°21 | M20 |
| T 21 | 10 3 17 | 1°48'33 | 29°40 | 15° 8 | 1°18 | 13° 5 | 3° 3 | 23°55 | 13°27 | 25°22 | 14°13 | 16° 9 | 17°52 | 12°25 | 2°24 | T 21 |
| W22 | 10 7 13 | 2°49'20 | 12♎35 | 16°40 | 2°32 | 13°38 | 2°55 | 24° 2 | 13°24 | 25°23 | 14°12 | 16°D 8 | 17°48 | 12°32 | 2°26 | W22 |
| T 23 | 10 11 10 | 3°50'05 | 25°10 | 18°12 | 3°46 | 14°12 | 2°47 | 24° 9 | 13°22 | 25°24 | 14°11 | 16° 8 | 17°45 | 12°38 | 2°28 | T 23 |
| F 24 | 10 15 6 | 4°50'50 | 7♏27 | 19°46 | 5° 0 | 14°45 | 2°39 | 24°16 | 13°20 | 25°25 | 14° 9 | 16°10 | 17°42 | 12°45 | 2°30 | F 24 |
| S 25 | 10 19 3 | 5°51'34 | 19°30 | 21°20 | 6°14 | 15°18 | 2°31 | 24°23 | 13°17 | 25°26 | 14° 8 | 16°11 | 17°39 | 12°52 | 2°32 | S 25 |
| S 26 | 10 23 0 | 6°52'16 | 1♐24 | 22°55 | 7°29 | 15°51 | 2°23 | 24°30 | 13°15 | 25°27 | 14° 7 | 16°12 | 17°36 | 12°59 | 2°35 | S 26 |
| M27 | 10 26 56 | 7°52'58 | 13°15 | 24°31 | 8°43 | 16°24 | 2°15 | 24°37 | 13°13 | 25°28 | 14° 6 | 16°R12 | 17°33 | 13° 5 | 2°37 | M27 |
| T 28 | 10 30 53 | 8°53'39 | 25° 7 | 26° 7 | 9°57 | 16°57 | 2° 7 | 24°44 | 13°10 | 25°29 | 14° 5 | 16°11 | 17°29 | 13°12 | 2°39 | T 28 |
| W29 | 10 34 49 | 9♓54'19 | 7♑ 6 | 27♒45 | 11♒11 | 17♐30 | 1♏59 | 24♒51 | 13♌ 8 | 25♐30 | 14♎ 3 | 16♎ 8 | 17♎26 | 13♐19 | 2♉42 | W29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17s15 | 18s32 | 4n46 | 21s 9 | 0n59 | 21s54 | 1n15 | 19s32 | 0n53 | 10n21 | 0n59 | 15s 0 | 0s47 | 17n 6 | 0n41 | 21s48 | 1n24 | 9n21 | 16n17 | 7s 4 | 7s22 | 17s53 | 11n33 | 0s32 |
| T 2 | 16 58 | 17 51 | 5 1 | 21 9 | 0 49 | 21 53 | 1 12 | 19 39 | 0 52 | 10 23 | 0 59 | 14 57 | 0 47 | 17 7 | 0 41 | 21 48 | 1 24 | 9 22 | 16 18 | 7 0 | 7 21 | 17 53 | 11 33 | 0 32 |
| F 3 | 16 40 | 16 20 | 5 1 | 21 8 | 0 40 | 21 51 | 1 9 | 19 46 | 0 52 | 10 26 | 1 0 | 14 55 | 0 47 | 17 8 | 0 41 | 21 49 | 1 24 | 9 23 | 16 18 | 6 55 | 7 20 | 17 54 | 11 34 | 0 32 |
| S 4 | 16 23 | 14 1 | 4 47 | 21 6 | 0 31 | 21 49 | 1 6 | 19 53 | 0 52 | 10 29 | 1 0 | 14 53 | 0 47 | 17 8 | 0 41 | 21 49 | 1 25 | 9 23 | 16 19 | 6 50 | 7 19 | 17 54 | 11 34 | 0 32 |
| S 5 | 16 5 | 11 1 | 4 19 | 21 3 | 0 22 | 21 46 | 1 3 | 20 0 | 0 51 | 10 31 | 1 0 | 14 51 | 0 47 | 17 9 | 0 41 | 21 49 | 1 25 | 9 24 | 16 19 | 6 46 | 7 18 | 17 54 | 11 34 | 0 32 |
| M 6 | 15 47 | 7 27 | 3 37 | 20 59 | 0 13 | 21 42 | 1 0 | 20 7 | 0 51 | 10 34 | 1 0 | 14 48 | 0 47 | 17 10 | 0 41 | 21 49 | 1 25 | 9 25 | 16 20 | 6 42 | 7 16 | 17 55 | 11 35 | 0 32 |
| T 7 | 15 29 | 3 28 | 2 43 | 20 54 | 0 4 | 21 38 | 0 57 | 20 13 | 0 50 | 10 37 | 1 0 | 14 46 | 0 47 | 17 11 | 0 41 | 21 49 | 1 25 | 9 26 | 16 20 | 6 40 | 7 15 | 17 55 | 11 35 | 0 32 |
| W 8 | 15 10 | 0n45 | 1 39 | 20 48 | 0s 4 | 21 33 | 0 54 | 20 20 | 0 50 | 10 40 | 1 0 | 14 44 | 0 47 | 17 11 | 0 41 | 21 49 | 1 25 | 9 26 | 16 21 | 6 38 | 7 14 | 17 56 | 11 36 | 0 33 |
| T 9 | 14 51 | 4 59 | 0 29 | 20 41 | 0 12 | 21 27 | 0 51 | 20 26 | 0 49 | 10 43 | 1 1 | 14 42 | 0 47 | 17 12 | 0 41 | 21 49 | 1 25 | 9 27 | 16 21 | 6 37 | 7 13 | 17 56 | 11 36 | 0 33 |
| F 10 | 14 32 | 9 0 | 0s44 | 20 32 | 0 21 | 21 21 | 0 48 | 20 33 | 0 49 | 10 46 | 1 1 | 14 39 | 0 47 | 17 13 | 0 41 | 21 49 | 1 25 | 9 28 | 16 22 | 6 37 | 7 12 | 17 56 | 11 37 | 0 33 |
| S 11 | 14 13 | 12 35 | 1 55 | 20 23 | 0 28 | 21 14 | 0 45 | 20 39 | 0 48 | 10 48 | 1 1 | 14 37 | 0 47 | 17 14 | 0 41 | 21 49 | 1 25 | 9 28 | 16 22 | 6 38 | 7 10 | 17 57 | 11 37 | 0 33 |
| S 12 | 13 53 | 15 29 | 3 1 | 20 12 | 0 36 | 21 6 | 0 42 | 20 45 | 0 47 | 10 51 | 1 1 | 14 35 | 0 48 | 17 14 | 0 41 | 21 49 | 1 25 | 9 29 | 16 23 | 6 38 | 7 9 | 17 57 | 11 38 | 0 33 |
| M13 | 13 33 | 17 30 | 3 56 | 20 0 | 0 43 | 20 58 | 0 39 | 20 51 | 0 47 | 10 54 | 1 1 | 14 33 | 0 48 | 17 15 | 0 41 | 21 49 | 1 25 | 9 30 | 16 23 | 6 38 | 7 8 | 17 57 | 11 38 | 0 33 |
| T 14 | 13 13 | 18 25 | 4 37 | 19 46 | 0 50 | 20 50 | 0 36 | 20 56 | 0 46 | 10 57 | 1 1 | 14 30 | 0 48 | 17 16 | 0 41 | 21 49 | 1 25 | 9 31 | 16 24 | 6 36 | 7 7 | 17 58 | 11 39 | 0 33 |
| W15 | 12 53 | 18 10 | 5 1 | 19 32 | 0 57 | 20 40 | 0 33 | 21 2 | 0 46 | 11 0 | 1 1 | 14 28 | 0 48 | 17 17 | 0 41 | 21 49 | 1 25 | 9 32 | 16 24 | 6 35 | 7 6 | 17 58 | 11 39 | 0 33 |
| T 16 | 12 32 | 16 45 | 5 6 | 19 16 | 1 3 | 20 30 | 0 30 | 21 8 | 0 45 | 11 3 | 1 2 | 14 26 | 0 48 | 17 17 | 0 41 | 21 49 | 1 25 | 9 32 | 16 25 | 6 32 | 7 4 | 17 58 | 11 40 | 0 33 |
| F 17 | 12 11 | 14 18 | 4 52 | 19 0 | 1 10 | 20 20 | 0 27 | 21 13 | 0 45 | 11 6 | 1 2 | 14 23 | 0 48 | 17 18 | 0 41 | 21 49 | 1 25 | 9 33 | 16 25 | 6 29 | 7 3 | 17 59 | 11 41 | 0 33 |
| S 18 | 11 50 | 11 0 | 4 20 | 18 42 | 1 16 | 20 9 | 0 24 | 21 18 | 0 44 | 11 9 | 1 2 | 14 21 | 0 48 | 17 19 | 0 41 | 21 49 | 1 25 | 9 34 | 16 26 | 6 26 | 7 2 | 17 59 | 11 41 | 0 33 |
| S 19 | 11 29 | 7 8 | 3 32 | 18 22 | 1 21 | 19 57 | 0 21 | 21 23 | 0 43 | 11 12 | 1 2 | 14 19 | 0 48 | 17 19 | 0 41 | 21 49 | 1 25 | 9 35 | 16 26 | 6 23 | 7 1 | 17 59 | 11 42 | 0 33 |
| M20 | 11 8 | 2 59 | 2 34 | 18 2 | 1 27 | 19 44 | 0 18 | 21 28 | 0 43 | 11 15 | 1 2 | 14 17 | 0 48 | 17 20 | 0 41 | 21 49 | 1 25 | 9 35 | 16 26 | 6 21 | 7 0 | 18 0 | 11 43 | 0 33 |
| T 21 | 10 46 | 1s13 | 1 28 | 17 41 | 1 32 | 19 32 | 0 15 | 21 33 | 0 42 | 11 18 | 1 2 | 14 14 | 0 48 | 17 21 | 0 41 | 21 49 | 1 25 | 9 36 | 16 27 | 6 19 | 6 58 | 18 0 | 11 43 | 0 33 |
| W22 | 10 25 | 5 15 | 0 19 | 17 18 | 1 37 | 19 18 | 0 12 | 21 38 | 0 41 | 11 21 | 1 2 | 14 12 | 0 48 | 17 22 | 0 41 | 21 49 | 1 25 | 9 37 | 16 27 | 6 19 | 6 57 | 18 0 | 11 44 | 0 33 |
| T 23 | 10 3 | 8 56 | 0n49 | 16 54 | 1 41 | 19 4 | 0 9 | 21 42 | 0 41 | 11 24 | 1 2 | 14 10 | 0 48 | 17 22 | 0 41 | 21 49 | 1 25 | 9 38 | 16 28 | 6 19 | 6 56 | 18 1 | 11 45 | 0 33 |
| F 24 | 9 41 | 12 8 | 1 53 | 16 29 | 1 45 | 18 49 | 0 6 | 21 47 | 0 40 | 11 27 | 1 2 | 14 7 | 0 48 | 17 23 | 0 41 | 21 49 | 1 25 | 9 39 | 16 28 | 6 19 | 6 55 | 18 1 | 11 45 | 0 33 |
| S 25 | 9 19 | 14 46 | 2 51 | 16 3 | 1 49 | 18 34 | 0 3 | 21 51 | 0 39 | 11 30 | 1 3 | 14 5 | 0 48 | 17 24 | 0 41 | 21 49 | 1 25 | 9 39 | 16 28 | 6 20 | 6 53 | 18 1 | 11 46 | 0 33 |
| S 26 | 8 57 | 16 43 | 3 41 | 15 35 | 1 53 | 18 19 | 0s 0 | 21 55 | 0 39 | 11 33 | 1 3 | 14 3 | 0 49 | 17 24 | 0 41 | 21 49 | 1 25 | 9 40 | 16 29 | 6 20 | 6 52 | 18 2 | 11 47 | 0 33 |
| M27 | 8 34 | 17 57 | 4 21 | 15 6 | 1 56 | 18 2 | 0 3 | 21 59 | 0 38 | 11 36 | 1 3 | 14 1 | 0 49 | 17 25 | 0 41 | 21 49 | 1 25 | 9 41 | 16 29 | 6 20 | 6 51 | 18 2 | 11 48 | 0 33 |
| T 28 | 8 12 | 18 23 | 4 51 | 14 37 | 1 59 | 17 46 | 0 6 | 22 3 | 0 37 | 11 38 | 1 3 | 13 58 | 0 49 | 17 26 | 0 41 | 21 49 | 1 25 | 9 42 | 16 30 | 6 20 | 6 50 | 18 2 | 11 48 | 0 33 |
| W29 | 7s49 | 18s 0 | 5n 7 | 14s 6 | 2s 2 | 17s28 | 0s 9 | 22s 7 | 0n37 | 11n41 | 1n 3 | 13s56 | 0s49 | 17n26 | 0n41 | 21s49 | 1n25 | 9n43 | 16n30 | 6s19 | 6s49 | 18s 3 | 11n49 | 0s34 |

Julian Day Number = 2803669.5, Delta T = 51m03s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°14'07, Lahiri = 37°21'08


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# ASTRODIENST EPHEMERIS for the year 2964
# geocentric

## MARCH 2964 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 38 46 | 10♓54'57 | 19♉14 | 29♒23 | 12♒25 | 18♐ 2 | 1°R52 | 24♒58 | 13°R 6 | 25♐31 | 14°R 2 | 16°R 3 | 17♎23 | 13♐25 | 2♉44 | T 1 |
| F 2 | 10 42 42 | 11°55'35 | 1♒37 | 1♓ 2 | 13°39 | 18°35 | 1♏44 | 25° 5 | 13♌ 4 | 25°32 | 14♎ 1 | 15♎57 | 17°20 | 13°32 | 2°47 | F 2 |
| S 3 | 10 46 39 | 12°56'11 | 14°16 | 2°42 | 14°53 | 19° 7 | 1°36 | 25°12 | 13° 1 | 25°33 | 13°59 | 15°51 | 17°17 | 13°39 | 2°49 | S 3 |
| S 4 | 10 50 35 | 13°56'46 | 27°13 | 4°23 | 16° 8 | 19°40 | 1°28 | 25°19 | 12°59 | 25°33 | 13°58 | 15°46 | 17°14 | 13°45 | 2°52 | S 4 |
| M 5 | 10 54 32 | 14°57'19 | 10♓26 | 6° 5 | 17°22 | 20°12 | 1°21 | 25°26 | 12°57 | 25°34 | 13°57 | 15°41 | 17°10 | 13°52 | 2°55 | M 5 |
| T 6 | 10 58 29 | 15°57'51 | 23°56 | 7°48 | 18°36 | 20°44 | 1°13 | 25°33 | 12°55 | 25°35 | 13°55 | 15°38 | 17° 7 | 13°59 | 2°57 | T 6 |
| W 7 | 11 2 25 | 16°58'22 | 7♈39 | 9°31 | 19°50 | 21°16 | 1° 6 | 25°40 | 12°53 | 25°36 | 13°54 | 15°36 | 17° 4 | 14° 6 | 3° 0 | W 7 |
| T 8 | 11 6 22 | 17°58'50 | 21°34 | 11°16 | 21° 4 | 21°48 | 0°59 | 25°47 | 12°51 | 25°36 | 13°52 | 15°D36 | 17° 1 | 14°12 | 3° 3 | T 8 |
| F 9 | 11 10 18 | 18°59'17 | 5♉36 | 13° 1 | 22°19 | 22°20 | 0°51 | 25°54 | 12°49 | 25°37 | 13°51 | 15°37 | 16°58 | 14°19 | 3° 5 | F 9 |
| S 10 | 11 14 15 | 19°59'43 | 19°43 | 14°48 | 23°33 | 22°51 | 0°44 | 26° 0 | 12°47 | 25°37 | 13°49 | 15°38 | 16°54 | 14°26 | 3° 8 | S 10 |
| S 11 | 11 18 11 | 21° 0'06 | 3♊54 | 16°35 | 24°47 | 23°23 | 0°37 | 26° 7 | 12°45 | 25°38 | 13°48 | 15°40 | 16°51 | 14°32 | 3°11 | S 11 |
| M12 | 11 22 8 | 22° 0'28 | 18° 5 | 18°24 | 26° 1 | 23°54 | 0°30 | 26°14 | 12°43 | 25°39 | 13°47 | 15°R41 | 16°48 | 14°39 | 3°14 | M12 |
| T 13 | 11 26 4 | 23° 0'48 | 2♋15 | 20°13 | 27°16 | 24°26 | 0°23 | 26°21 | 12°42 | 25°39 | 13°45 | 15°40 | 16°45 | 14°46 | 3°17 | T 13 |
| W14 | 11 30 1 | 24° 1'06 | 16°22 | 22° 4 | 28°30 | 24°57 | 0°16 | 26°27 | 12°40 | 25°40 | 13°44 | 15°39 | 16°42 | 14°52 | 3°20 | W14 |
| T 15 | 11 33 58 | 25° 1'22 | 0♌23 | 23°55 | 29°44 | 25°28 | 0°10 | 26°34 | 12°38 | 25°40 | 13°42 | 15°37 | 16°39 | 14°59 | 3°23 | T 15 |
| F 16 | 11 37 54 | 26° 1'35 | 14°17 | 25°47 | 0♓58 | 25°59 | 0° 3 | 26°40 | 12°36 | 25°40 | 13°40 | 15°34 | 16°35 | 15° 6 | 3°26 | F 16 |
| S 17 | 11 41 51 | 27° 1'47 | 28° 0 | 27°40 | 2°13 | 26°29 | 29♌57 | 26°47 | 12°35 | 25°41 | 13°39 | 15°31 | 16°32 | 15°13 | 3°29 | S 17 |
| S 18 | 11 45 47 | 28° 1'57 | 11♏30 | 29°34 | 3°27 | 27° 0 | 29°50 | 26°53 | 12°33 | 25°41 | 13°37 | 15°29 | 16°29 | 15°19 | 3°32 | S 18 |
| M19 | 11 49 44 | 29° 2'05 | 24°46 | 1♈29 | 4°41 | 27°30 | 29°44 | 27° 0 | 12°31 | 25°41 | 13°36 | 15°27 | 16°26 | 15°26 | 3°35 | M19 |
| T 20 | 11 53 40 | 0♈ 2'12 | 7♎46 | 3°24 | 5°55 | 28° 1 | 29°38 | 27° 6 | 12°30 | 25°42 | 13°34 | 15°26 | 16°23 | 15°33 | 3°38 | T 20 |
| W21 | 11 57 37 | 1° 2'16 | 20°30 | 5°20 | 7°10 | 28°31 | 29°32 | 27°13 | 12°28 | 25°42 | 13°33 | 15°D26 | 16°20 | 15°39 | 3°41 | W21 |
| T 22 | 12 1 33 | 2° 2'19 | 2♏59 | 7°17 | 8°24 | 29° 1 | 29°26 | 27°19 | 12°27 | 25°42 | 13°31 | 15°27 | 16°16 | 15°46 | 3°44 | T 22 |
| F 23 | 12 5 30 | 3° 2'21 | 15°13 | 9°14 | 9°38 | 29°31 | 29°21 | 27°25 | 12°26 | 25°42 | 13°29 | 15°28 | 16°13 | 15°53 | 3°48 | F 23 |
| S 24 | 12 9 26 | 4° 2'20 | 27°16 | 11°11 | 10°52 | 0♑ 1 | 29°15 | 27°32 | 12°24 | 25°42 | 13°28 | 15°29 | 16°10 | 15°59 | 3°51 | S 24 |
| S 25 | 12 13 23 | 5° 2'18 | 9♐12 | 13° 8 | 12° 7 | 0°30 | 29°10 | 27°38 | 12°23 | 25°42 | 13°26 | 15°30 | 16° 7 | 16° 6 | 3°54 | S 25 |
| M26 | 12 17 20 | 6° 2'15 | 21° 4 | 15° 5 | 13°21 | 1° 0 | 29° 5 | 27°44 | 12°22 | 25°42 | 13°25 | 15°31 | 16° 4 | 16°13 | 3°57 | M26 |
| T 27 | 12 21 16 | 7° 2'10 | 2♑57 | 17° 1 | 14°35 | 1°29 | 29° 0 | 27°50 | 12°20 | 25°R42 | 13°23 | 15°R31 | 16° 0 | 16°20 | 4° 1 | T 27 |
| W28 | 12 25 13 | 8° 2'03 | 14°55 | 18°56 | 15°49 | 1°58 | 28°55 | 27°56 | 12°19 | 25°42 | 13°21 | 15°31 | 15°57 | 16°26 | 4° 4 | W28 |
| T 29 | 12 29 9 | 9° 1'55 | 27° 4 | 20°51 | 17° 4 | 2°27 | 28°50 | 28° 2 | 12°18 | 25°42 | 13°20 | 15°31 | 15°54 | 16°33 | 4° 7 | T 29 |
| F 30 | 12 33 6 | 10° 1'45 | 9♒27 | 22°43 | 18°18 | 2°56 | 28°46 | 28° 8 | 12°17 | 25°42 | 13°18 | 15°30 | 15°51 | 16°40 | 4°10 | F 30 |
| S 31 | 12 37 2 | 11♈ 1'33 | 22♒ 8 | 24♈34 | 19♓32 | 3♑24 | 28♌42 | 28♒14 | 12♌16 | 25♐42 | 13♎16 | 15♎30 | 15♎48 | 16♐46 | 4♉14 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7s26 | 16s49 | 5n11 | 13s34 | 2s 4 | 17s11 | 0s12 | 22s11 | 0n36 | 11n44 | 1n 3 | 13s54 | 0s49 | 17n27 | 0n41 | 21s49 | 1n25 | 9n43 | 16n30 | 6s17 | 6s47 | 18s 3 | 11n50 | 0s34 |
| F 2 | 7 3 | 14 49 | 5 0 | 13 0 | 2 5 | 16 52 | 0 15 | 22 15 | 0 35 | 11 47 | 1 3 | 13 52 | 0 49 | 17 27 | 0 41 | 21 49 | 1 26 | 9 44 | 16 31 | 6 15 | 6 46 | 18 3 | 11 51 | 0 34 |
| S 3 | 6 40 | 12 5 | 4 34 | 12 26 | 2 7 | 16 34 | 0 18 | 22 18 | 0 34 | 11 50 | 1 3 | 13 49 | 0 49 | 17 28 | 0 41 | 21 49 | 1 26 | 9 45 | 16 31 | 6 12 | 6 45 | 18 4 | 11 52 | 0 34 |
| S 4 | 6 17 | 8 42 | 3 54 | 11 50 | 2 8 | 16 14 | 0 20 | 22 21 | 0 33 | 11 53 | 1 3 | 13 47 | 0 49 | 17 29 | 0 41 | 21 49 | 1 26 | 9 46 | 16 31 | 6 10 | 6 44 | 18 4 | 11 52 | 0 34 |
| M 5 | 5 54 | 4 49 | 3 1 | 11 13 | 2 9 | 15 55 | 0 23 | 22 25 | 0 33 | 11 55 | 1 3 | 13 45 | 0 49 | 17 29 | 0 41 | 21 49 | 1 26 | 9 47 | 16 32 | 6 8 | 6 43 | 18 4 | 11 53 | 0 34 |
| T 6 | 5 30 | 0 37 | 1 56 | 10 36 | 2 9 | 15 35 | 0 26 | 22 28 | 0 32 | 11 58 | 1 3 | 13 43 | 0 49 | 17 30 | 0 41 | 21 49 | 1 26 | 9 47 | 16 32 | 6 7 | 6 41 | 18 4 | 11 54 | 0 34 |
| W 7 | 5 7 | 3n41 | 0 43 | 9 57 | 2 9 | 15 14 | 0 28 | 22 31 | 0 31 | 12 1 | 1 3 | 13 40 | 0 49 | 17 30 | 0 41 | 21 49 | 1 26 | 9 48 | 16 32 | 6 7 | 6 40 | 18 5 | 11 55 | 0 34 |
| T 8 | 4 44 | 7 51 | 0s33 | 9 16 | 2 8 | 14 53 | 0 31 | 22 33 | 0 30 | 12 3 | 1 3 | 13 38 | 0 50 | 17 31 | 0 41 | 21 49 | 1 26 | 9 49 | 16 32 | 6 7 | 6 39 | 18 5 | 11 56 | 0 34 |
| F 9 | 4 20 | 11 37 | 1 48 | 8 35 | 2 7 | 14 32 | 0 34 | 22 36 | 0 29 | 12 6 | 1 3 | 13 36 | 0 50 | 17 31 | 0 41 | 21 49 | 1 26 | 9 50 | 16 33 | 6 7 | 6 38 | 18 5 | 11 57 | 0 34 |
| S 10 | 3 57 | 14 44 | 2 57 | 7 53 | 2 5 | 14 10 | 0 36 | 22 39 | 0 28 | 12 8 | 1 3 | 13 34 | 0 50 | 17 32 | 0 41 | 21 49 | 1 26 | 9 51 | 16 33 | 6 7 | 6 37 | 18 6 | 11 58 | 0 34 |
| S 11 | 3 33 | 16 58 | 3 55 | 7 10 | 2 3 | 13 48 | 0 39 | 22 41 | 0 28 | 12 11 | 1 3 | 13 32 | 0 50 | 17 32 | 0 41 | 21 49 | 1 26 | 9 51 | 16 33 | 6 8 | 6 35 | 18 6 | 11 59 | 0 34 |
| M12 | 3 9 | 18 9 | 4 39 | 6 25 | 2 1 | 13 25 | 0 41 | 22 44 | 0 27 | 12 13 | 1 3 | 13 29 | 0 50 | 17 33 | 0 41 | 21 49 | 1 26 | 9 52 | 16 34 | 6 8 | 6 34 | 18 6 | 11 59 | 0 34 |
| T 13 | 2 46 | 18 11 | 5 6 | 5 40 | 1 58 | 13 2 | 0 43 | 22 46 | 0 26 | 12 16 | 1 3 | 13 27 | 0 50 | 17 33 | 0 40 | 21 49 | 1 26 | 9 53 | 16 34 | 6 8 | 6 33 | 18 6 | 12 0 | 0 34 |
| W14 | 2 22 | 17 6 | 5 15 | 4 53 | 1 54 | 12 39 | 0 46 | 22 48 | 0 25 | 12 18 | 1 3 | 13 25 | 0 50 | 17 34 | 0 40 | 21 48 | 1 26 | 9 54 | 16 34 | 6 8 | 6 32 | 18 7 | 12 1 | 0 34 |
| T 15 | 1 58 | 15 0 | 5 4 | 4 6 | 1 50 | 12 15 | 0 48 | 22 50 | 0 24 | 12 21 | 1 3 | 13 23 | 0 50 | 17 34 | 0 40 | 21 48 | 1 26 | 9 55 | 16 34 | 6 7 | 6 30 | 18 7 | 12 2 | 0 34 |
| F 16 | 1 34 | 12 3 | 4 36 | 3 17 | 1 46 | 11 51 | 0 50 | 22 52 | 0 23 | 12 23 | 1 3 | 13 21 | 0 50 | 17 35 | 0 40 | 21 48 | 1 26 | 9 55 | 16 34 | 6 6 | 6 29 | 18 7 | 12 3 | 0 34 |
| S 17 | 1 11 | 8 28 | 3 53 | 2 28 | 1 41 | 11 27 | 0 53 | 22 54 | 0 22 | 12 25 | 1 3 | 13 19 | 0 50 | 17 35 | 0 40 | 21 48 | 1 26 | 9 56 | 16 35 | 6 5 | 6 28 | 18 7 | 12 4 | 0 34 |
| S 18 | 0 47 | 4 29 | 2 57 | 1 38 | 1 35 | 11 2 | 0 55 | 22 56 | 0 21 | 12 27 | 1 3 | 13 17 | 0 51 | 17 36 | 0 40 | 21 48 | 1 26 | 9 57 | 16 35 | 6 4 | 6 27 | 18 8 | 12 5 | 0 34 |
| M19 | 0 23 | 0 21 | 1 52 | 0 47 | 1 29 | 10 37 | 0 57 | 22 58 | 0 20 | 12 29 | 1 3 | 13 14 | 0 51 | 17 36 | 0 40 | 21 48 | 1 26 | 9 58 | 16 35 | 6 3 | 6 26 | 18 8 | 12 6 | 0 34 |
| T 20 | 0n 1 | 3s43 | 0 42 | 0n 5 | 1 22 | 10 12 | 0 59 | 22 59 | 0 19 | 12 32 | 1 3 | 13 12 | 0 51 | 17 37 | 0 40 | 21 48 | 1 26 | 9 58 | 16 35 | 6 3 | 6 24 | 18 8 | 12 7 | 0 35 |
| W21 | 0 25 | 7 32 | 0n28 | 0 58 | 1 15 | 9 47 | 1 1 | 23 1 | 0 18 | 12 34 | 1 3 | 13 10 | 0 51 | 17 37 | 0 40 | 21 48 | 1 26 | 9 59 | 16 35 | 6 3 | 6 23 | 18 8 | 12 8 | 0 35 |
| T 22 | 0 48 | 10 56 | 1 36 | 1 51 | 1 7 | 9 21 | 1 3 | 23 2 | 0 17 | 12 36 | 1 3 | 13 8 | 0 51 | 17 37 | 0 40 | 21 48 | 1 26 | 10 0 | 16 36 | 6 3 | 6 22 | 18 9 | 12 9 | 0 35 |
| F 23 | 1 12 | 13 48 | 2 38 | 2 44 | 0 59 | 8 55 | 1 5 | 23 3 | 0 16 | 12 38 | 1 3 | 13 6 | 0 51 | 17 38 | 0 40 | 21 48 | 1 26 | 10 1 | 16 36 | 6 3 | 6 21 | 18 9 | 12 10 | 0 35 |
| S 24 | 1 36 | 16 1 | 3 32 | 3 38 | 0 50 | 8 29 | 1 6 | 23 4 | 0 14 | 12 39 | 1 3 | 13 4 | 0 51 | 17 38 | 0 40 | 21 48 | 1 26 | 10 1 | 16 36 | 6 4 | 6 20 | 18 9 | 12 11 | 0 35 |
| S 25 | 2 0 | 17 30 | 4 16 | 4 32 | 0 40 | 8 2 | 1 8 | 23 5 | 0 13 | 12 41 | 1 3 | 13 2 | 0 51 | 17 38 | 0 40 | 21 48 | 1 27 | 10 2 | 16 36 | 6 4 | 6 18 | 18 9 | 12 12 | 0 35 |
| M26 | 2 23 | 18 13 | 4 49 | 5 27 | 0 30 | 7 35 | 1 10 | 23 6 | 0 12 | 12 43 | 1 3 | 13 0 | 0 51 | 17 39 | 0 40 | 21 48 | 1 27 | 10 3 | 16 36 | 6 5 | 6 17 | 18 10 | 12 13 | 0 35 |
| T 27 | 2 47 | 18 7 | 5 10 | 6 21 | 0 20 | 7 8 | 1 11 | 23 7 | 0 11 | 12 45 | 1 3 | 12 58 | 0 52 | 17 39 | 0 40 | 21 48 | 1 27 | 10 4 | 16 36 | 6 5 | 6 16 | 18 10 | 12 14 | 0 35 |
| W28 | 3 10 | 17 14 | 5 17 | 7 15 | 0 9 | 6 41 | 1 13 | 23 8 | 0 10 | 12 46 | 1 3 | 12 56 | 0 52 | 17 39 | 0 40 | 21 48 | 1 27 | 10 4 | 16 36 | 6 5 | 6 15 | 18 10 | 12 15 | 0 35 |
| T 29 | 3 34 | 15 33 | 5 11 | 8 8 | 0n 2 | 6 14 | 1 15 | 23 9 | 0 8 | 12 48 | 1 3 | 12 54 | 0 52 | 17 40 | 0 40 | 21 48 | 1 27 | 10 5 | 16 36 | 6 5 | 6 13 | 18 10 | 12 16 | 0 35 |
| F 30 | 3 57 | 13 8 | 4 50 | 9 1 | 0 14 | 5 46 | 1 16 | 23 10 | 0 7 | 12 49 | 1 3 | 12 52 | 0 52 | 17 40 | 0 40 | 21 48 | 1 27 | 10 6 | 16 37 | 6 4 | 6 12 | 18 10 | 12 18 | 0 35 |
| S 31 | 4n20 | 10s 2 | 4n15 | 9n53 | 0n26 | 5s19 | 1s17 | 23s10 | 0n 6 | 12n51 | 1n 3 | 12s50 | 0s52 | 17n40 | 0n40 | 21s48 | 1n27 | 10n 6 | 16n37 | 6s 4 | 6s11 | 18s11 | 12n19 | 0s35 |

Julian Day Number = 2803698.5, Delta T = 51m03s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°14'11, Lahiri = 37°21'12


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# ASTRODIENST EPHEMERIS for the year 2964
# geocentric

## APRIL 2964 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 40 59 | 12♈ 1'19 | 5♓10 | 26♈23 | 20♓47 | 3♉52 | 28°R37 | 28♒20 | 12°R15 | 25°R42 | 13°R15 | 15°R29 | 15♎45 | 16♐53 | 4♑17 | S 1 |
| M 2 | 12 44 55 | 13° 1'04 | 18°34 | 28° 8 | 22° 1 | 4°20 | 28♌33 | 28°26 | 12♌14 | 25♐42 | 13♎13 | 15♎29 | 15°41 | 17° 0 | 4°21 | M 2 |
| T 3 | 12 48 52 | 14° 0'47 | 2♈21 | 29°50 | 23°15 | 4°48 | 28°30 | 28°32 | 12°13 | 25°42 | 13°11 | 15°29 | 15°38 | 17° 6 | 4°24 | T 3 |
| W 4 | 12 52 49 | 15° 0'28 | 16°26 | 1♑29 | 24°29 | 5°16 | 28°26 | 28°37 | 12°13 | 25°41 | 13°10 | 15°29 | 15°35 | 17°13 | 4°28 | W 4 |
| T 5 | 12 56 45 | 16° 0'07 | 0♑47 | 3° 3 | 25°44 | 5°43 | 28°22 | 28°43 | 12°12 | 25°41 | 13° 8 | 15°29 | 15°32 | 17°20 | 4°31 | T 5 |
| F 6 | 13 0 42 | 16°59'44 | 15°18 | 4°32 | 26°58 | 6°11 | 28°19 | 28°49 | 12°11 | 25°41 | 13° 7 | 15°29 | 15°29 | 17°27 | 4°34 | F 6 |
| S 7 | 13 4 38 | 17°59'19 | 29°54 | 5°56 | 28°12 | 6°38 | 28°16 | 28°54 | 12°11 | 25°40 | 13° 5 | 15°28 | 15°25 | 17°33 | 4°38 | S 7 |
| S 8 | 13 8 35 | 18°58'52 | 14♊28 | 7°15 | 29°26 | 7° 5 | 28°13 | 29° 0 | 12°10 | 25°40 | 13° 3 | 15°28 | 15°22 | 17°40 | 4°41 | S 8 |
| M 9 | 13 12 31 | 19°58'23 | 28°55 | 8°28 | 0♈41 | 7°31 | 28°10 | 29° 5 | 12° 9 | 25°40 | 13° 2 | 15°28 | 15°19 | 17°47 | 4°45 | M 9 |
| T 10 | 13 16 28 | 20°57'51 | 13♋11 | 9°34 | 1°55 | 7°58 | 28° 8 | 29°10 | 12° 9 | 25°39 | 13° 0 | 15°28 | 15°16 | 17°53 | 4°48 | T 10 |
| W11 | 13 20 24 | 21°57'17 | 27°15 | 10°35 | 3° 9 | 8°24 | 28° 6 | 29°16 | 12° 8 | 25°39 | 12°58 | 15°D27 | 15°13 | 18° 0 | 4°52 | W11 |
| T 12 | 13 24 21 | 22°56'41 | 11♌ 3 | 11°28 | 4°23 | 8°49 | 28° 3 | 29°21 | 12° 8 | 25°38 | 12°57 | 15°28 | 15°10 | 18° 7 | 4°56 | T 12 |
| F 13 | 13 28 18 | 23°56'02 | 24°37 | 12°14 | 5°37 | 9°15 | 28° 1 | 29°26 | 12° 8 | 25°38 | 12°55 | 15°28 | 15° 6 | 18°14 | 4°59 | F 13 |
| S 14 | 13 32 14 | 24°55'22 | 7♍56 | 12°54 | 6°52 | 9°40 | 28° 0 | 29°31 | 12° 7 | 25°37 | 12°54 | 15°29 | 15° 3 | 18°20 | 5° 3 | S 14 |
| S 15 | 13 36 11 | 25°54'38 | 21° 1 | 13°26 | 8° 6 | 10° 5 | 27°58 | 29°36 | 12° 7 | 25°37 | 12°52 | 15°30 | 15° 0 | 18°27 | 5° 6 | S 15 |
| M16 | 13 40 7 | 26°53'53 | 3♎53 | 13°50 | 9°20 | 10°30 | 27°57 | 29°41 | 12° 7 | 25°36 | 12°50 | 15°31 | 14°57 | 18°34 | 5°10 | M16 |
| T 17 | 13 44 4 | 27°53'06 | 16°32 | 14° 8 | 10°34 | 10°55 | 27°55 | 29°46 | 12° 7 | 25°35 | 12°49 | 15°R31 | 14°54 | 18°40 | 5°13 | T 17 |
| W18 | 13 48 0 | 28°52'16 | 28°59 | 14°18 | 11°48 | 11°19 | 27°54 | 29°51 | 12° 7 | 25°35 | 12°47 | 15°31 | 14°51 | 18°47 | 5°17 | W18 |
| T 19 | 13 51 57 | 29°51'25 | 11♏16 | 14°R21 | 13° 2 | 11°43 | 27°53 | 29°55 | 12°D 7 | 25°34 | 12°46 | 15°30 | 14°47 | 18°54 | 5°21 | T 19 |
| F 20 | 13 55 53 | 0♑50'32 | 23°23 | 14°17 | 14°17 | 12° 7 | 27°53 | 0♓ 0 | 12° 7 | 25°33 | 12°44 | 15°28 | 14°44 | 19° 0 | 5°24 | F 20 |
| S 21 | 13 59 50 | 1°49'37 | 5♐23 | 14° 7 | 15°31 | 12°30 | 27°52 | 0° 5 | 12° 7 | 25°32 | 12°43 | 15°25 | 14°41 | 19° 7 | 5°28 | S 21 |
| S 22 | 14 3 46 | 2°48'40 | 17°18 | 13°50 | 16°45 | 12°53 | 27°52 | 0° 9 | 12° 7 | 25°32 | 12°41 | 15°23 | 14°38 | 19°14 | 5°31 | S 22 |
| M23 | 14 7 43 | 3°47'41 | 29° 9 | 13°28 | 17°59 | 13°16 | 27°D52 | 0°14 | 12° 7 | 25°31 | 12°40 | 15°20 | 14°35 | 19°21 | 5°35 | M23 |
| T 24 | 14 11 40 | 4°46'40 | 11♑ 2 | 13° 0 | 19°13 | 13°38 | 27°52 | 0°18 | 12° 8 | 25°30 | 12°38 | 15°18 | 14°31 | 19°27 | 5°39 | T 24 |
| W25 | 14 15 36 | 5°45'38 | 23° 0 | 12°28 | 20°27 | 14° 1 | 27°52 | 0°22 | 12° 8 | 25°29 | 12°37 | 15°16 | 14°28 | 19°34 | 5°42 | W25 |
| T 26 | 14 19 33 | 6°44'34 | 5♒ 6 | 11°52 | 21°41 | 14°22 | 27°53 | 0°27 | 12° 8 | 25°28 | 12°35 | 15°D15 | 14°25 | 19°41 | 5°46 | T 26 |
| F 27 | 14 23 29 | 7°43'28 | 17°26 | 11°12 | 22°56 | 14°44 | 27°53 | 0°31 | 12° 9 | 25°27 | 12°34 | 15°16 | 14°22 | 19°47 | 5°49 | F 27 |
| S 28 | 14 27 26 | 8°42'21 | 0♓ 4 | 10°30 | 24°10 | 15° 5 | 27°54 | 0°35 | 12° 9 | 25°26 | 12°32 | 15°17 | 14°19 | 19°54 | 5°53 | S 28 |
| S 29 | 14 31 22 | 9°41'12 | 13° 4 | 9°47 | 25°24 | 15°25 | 27°55 | 0°39 | 12°10 | 25°25 | 12°31 | 15°18 | 14°16 | 20° 1 | 5°57 | S 29 |
| M30 | 14 35 19 | 10♑40'01 | 26♓29 | 9♑ 2 | 26♈38 | 15♉46 | 27♌57 | 0♓43 | 12♌10 | 25♐24 | 12♎29 | 15♎20 | 14♎12 | 20♐ 8 | 6♑ 0 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n44 | 6s22 | 3n26 | 10n43 | 0n38 | 4s51 | 1s19 | 23s11 | 0n 5 | 12n52 | 1n 3 | 12s48 | 0s52 | 17n40 | 0n40 | 21s48 | 1n27 | 10n 7 | 16n37 | 6s 4 | 6s10 | 18s11 | 12n20 | 0s35 |
| M 2 | 5 7 | 2 17 | 2 24 | 11 33 | 0 51 | 4 23 | 1 20 | 23 11 | 0 3 | 12 54 | 1 3 | 12 47 | 0 52 | 17 41 | 0 40 | 21 48 | 1 27 | 10 8 | 16 37 | 6 4 | 6 9 | 18 11 | 12 21 | 0 35 |
| T 3 | 5 30 | 2n 2 | 1 12 | 12 20 | 1 3 | 3 55 | 1 21 | 23 12 | 0 2 | 12 55 | 1 2 | 12 45 | 0 52 | 17 41 | 0 40 | 21 48 | 1 27 | 10 8 | 16 37 | 6 4 | 6 7 | 18 11 | 12 22 | 0 35 |
| W 4 | 5 53 | 6 21 | 0s 5 | 13 6 | 1 15 | 3 26 | 1 22 | 23 12 | 0 1 | 12 56 | 1 2 | 12 43 | 0 53 | 17 41 | 0 40 | 21 48 | 1 27 | 10 9 | 16 37 | 6 4 | 6 6 | 18 11 | 12 23 | 0 35 |
| T 5 | 6 16 | 10 22 | 1 24 | 13 50 | 1 28 | 2 58 | 1 23 | 23 12 | 0s 1 | 12 57 | 1 2 | 12 41 | 0 53 | 17 41 | 0 40 | 21 48 | 1 27 | 10 10 | 16 37 | 6 4 | 6 5 | 18 12 | 12 24 | 0 35 |
| F 6 | 6 39 | 13 49 | 2 38 | 14 32 | 1 40 | 2 30 | 1 24 | 23 12 | 0 2 | 12 58 | 1 2 | 12 39 | 0 53 | 17 41 | 0 40 | 21 48 | 1 27 | 10 10 | 16 37 | 6 4 | 6 4 | 18 12 | 12 25 | 0 36 |
| S 7 | 7 1 | 16 24 | 3 42 | 15 11 | 1 51 | 2 1 | 1 25 | 23 13 | 0 4 | 12 59 | 1 2 | 12 37 | 0 53 | 17 42 | 0 40 | 21 47 | 1 27 | 10 11 | 16 37 | 6 4 | 6 3 | 18 12 | 12 26 | 0 36 |
| S 8 | 7 24 | 17 54 | 4 32 | 15 47 | 2 3 | 1 32 | 1 26 | 23 13 | 0 5 | 13 0 | 1 2 | 12 36 | 0 53 | 17 42 | 0 40 | 21 47 | 1 27 | 10 11 | 16 37 | 6 4 | 6 1 | 18 12 | 12 27 | 0 36 |
| M 9 | 7 46 | 18 14 | 5 4 | 16 21 | 2 13 | 1 4 | 1 27 | 23 13 | 0 7 | 13 1 | 1 2 | 12 34 | 0 53 | 17 42 | 0 40 | 21 47 | 1 27 | 10 12 | 16 37 | 6 3 | 6 0 | 18 12 | 12 28 | 0 36 |
| T 10 | 8 8 | 17 24 | 5 17 | 16 52 | 2 23 | 0 35 | 1 28 | 23 13 | 0 8 | 13 2 | 1 2 | 12 32 | 0 53 | 17 42 | 0 40 | 21 47 | 1 27 | 10 13 | 16 37 | 6 3 | 5 59 | 18 13 | 12 30 | 0 36 |
| W11 | 8 30 | 15 31 | 5 11 | 17 20 | 2 33 | 0 6 | 1 28 | 23 13 | 0 10 | 13 3 | 1 2 | 12 30 | 0 53 | 17 42 | 0 40 | 21 47 | 1 27 | 10 13 | 16 37 | 6 3 | 5 58 | 18 13 | 12 31 | 0 36 |
| T 12 | 8 52 | 12 46 | 4 46 | 17 45 | 2 41 | 0n22 | 1 29 | 23 13 | 0 11 | 13 3 | 1 2 | 12 29 | 0 54 | 17 42 | 0 40 | 21 47 | 1 27 | 10 14 | 16 37 | 6 3 | 5 56 | 18 13 | 12 32 | 0 36 |
| F 13 | 9 14 | 9 22 | 4 6 | 18 6 | 2 49 | 0 51 | 1 29 | 23 12 | 0 13 | 13 4 | 1 2 | 12 27 | 0 54 | 17 42 | 0 40 | 21 47 | 1 27 | 10 14 | 16 37 | 6 4 | 5 55 | 18 13 | 12 33 | 0 36 |
| S 14 | 9 36 | 5 33 | 3 14 | 18 24 | 2 55 | 1 20 | 1 30 | 23 12 | 0 15 | 13 4 | 1 2 | 12 25 | 0 54 | 17 42 | 0 40 | 21 47 | 1 27 | 10 15 | 16 37 | 6 4 | 5 54 | 18 13 | 12 34 | 0 36 |
| S 15 | 9 57 | 1 31 | 2 12 | 18 39 | 3 1 | 1 49 | 1 30 | 23 12 | 0 16 | 13 5 | 1 2 | 12 24 | 0 54 | 17 42 | 0 40 | 21 47 | 1 27 | 10 15 | 16 37 | 6 4 | 5 53 | 18 13 | 12 35 | 0 36 |
| M16 | 10 19 | 2s31 | 1 4 | 18 51 | 3 5 | 2 18 | 1 30 | 23 12 | 0 18 | 13 5 | 1 1 | 12 22 | 0 54 | 17 42 | 0 40 | 21 47 | 1 27 | 10 16 | 16 37 | 6 5 | 5 52 | 18 14 | 12 36 | 0 36 |
| T 17 | 10 40 | 6 23 | 0n 6 | 18 59 | 3 8 | 2 46 | 1 31 | 23 12 | 0 20 | 13 6 | 1 1 | 12 21 | 0 54 | 17 42 | 0 40 | 21 47 | 1 27 | 10 16 | 16 36 | 6 5 | 5 50 | 18 14 | 12 37 | 0 36 |
| W18 | 11 1 | 9 54 | 1 14 | 19 3 | 3 9 | 3 15 | 1 31 | 23 11 | 0 22 | 13 6 | 1 1 | 12 19 | 0 54 | 17 42 | 0 40 | 21 47 | 1 27 | 10 17 | 16 36 | 6 5 | 5 49 | 18 14 | 12 39 | 0 36 |
| T 19 | 11 22 | 12 57 | 2 18 | 19 4 | 3 9 | 3 43 | 1 31 | 23 11 | 0 23 | 13 6 | 1 1 | 12 17 | 0 55 | 17 42 | 0 40 | 21 47 | 1 28 | 10 17 | 16 36 | 6 4 | 5 48 | 18 14 | 12 40 | 0 36 |
| F 20 | 11 42 | 15 23 | 3 14 | 19 2 | 3 8 | 4 12 | 1 31 | 23 11 | 0 25 | 13 6 | 1 1 | 12 16 | 0 55 | 17 42 | 0 40 | 21 47 | 1 28 | 10 18 | 16 36 | 6 3 | 5 47 | 18 14 | 12 41 | 0 36 |
| S 21 | 12 3 | 17 7 | 4 2 | 18 56 | 3 4 | 4 40 | 1 31 | 23 11 | 0 27 | 13 6 | 1 1 | 12 15 | 0 55 | 17 42 | 0 39 | 21 47 | 1 28 | 10 18 | 16 36 | 6 2 | 5 45 | 18 14 | 12 42 | 0 37 |
| S 22 | 12 23 | 18 5 | 4 38 | 18 46 | 3 0 | 5 9 | 1 31 | 23 10 | 0 29 | 13 6 | 1 1 | 12 13 | 0 55 | 17 42 | 0 39 | 21 47 | 1 28 | 10 19 | 16 36 | 6 1 | 5 44 | 18 15 | 12 43 | 0 37 |
| M23 | 12 43 | 18 16 | 5 3 | 18 34 | 2 54 | 5 37 | 1 31 | 23 10 | 0 31 | 13 6 | 1 1 | 12 12 | 0 55 | 17 42 | 0 39 | 21 47 | 1 28 | 10 19 | 16 36 | 6 0 | 5 43 | 18 15 | 12 44 | 0 37 |
| T 24 | 13 3 | 17 38 | 5 14 | 18 18 | 2 46 | 6 5 | 1 30 | 23 10 | 0 33 | 13 6 | 1 1 | 12 10 | 0 55 | 17 42 | 0 39 | 21 46 | 1 28 | 10 20 | 16 36 | 5 59 | 5 42 | 18 15 | 12 45 | 0 37 |
| W25 | 13 22 | 16 14 | 5 12 | 17 59 | 2 37 | 6 33 | 1 30 | 23 9 | 0 35 | 13 6 | 1 1 | 12 9 | 0 55 | 17 42 | 0 39 | 21 46 | 1 28 | 10 20 | 16 35 | 5 59 | 5 41 | 18 15 | 12 46 | 0 37 |
| T 26 | 13 42 | 14 5 | 4 57 | 17 38 | 2 26 | 7 1 | 1 30 | 23 9 | 0 37 | 13 6 | 1 0 | 12 8 | 0 56 | 17 42 | 0 39 | 21 46 | 1 28 | 10 21 | 16 35 | 5 59 | 5 39 | 18 15 | 12 48 | 0 37 |
| F 27 | 14 1 | 11 17 | 4 27 | 17 14 | 2 14 | 7 29 | 1 29 | 23 9 | 0 39 | 13 5 | 1 0 | 12 6 | 0 56 | 17 42 | 0 39 | 21 46 | 1 28 | 10 21 | 16 35 | 5 59 | 5 38 | 18 15 | 12 49 | 0 37 |
| S 28 | 14 20 | 7 53 | 3 44 | 16 48 | 2 1 | 7 57 | 1 29 | 23 9 | 0 41 | 13 5 | 1 0 | 12 5 | 0 56 | 17 41 | 0 39 | 21 46 | 1 28 | 10 21 | 16 35 | 5 59 | 5 37 | 18 15 | 12 50 | 0 37 |
| S 29 | 14 38 | 4 1 | 2 48 | 16 21 | 1 47 | 8 24 | 1 28 | 23 9 | 0 43 | 13 4 | 1 0 | 12 4 | 0 56 | 17 41 | 0 39 | 21 46 | 1 28 | 10 22 | 16 35 | 6 0 | 5 36 | 18 15 | 12 51 | 0 37 |
| M30 | 14n57 | 0n10 | 1n42 | 15n53 | 1n31 | 8n51 | 1s28 | 23s 8 | 0s46 | 13n 4 | 1n 0 | 12s 2 | 0s56 | 17n41 | 0n39 | 21s46 | 1n28 | 10n22 | 16n34 | 6s 0 | 5s34 | 18s16 | 12n52 | 0s37 |

Julian Day Number = 2803729.5, Delta T = 51m04s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°14'16, Lahiri = 37°21'16


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# ASTRODIENST EPHEMERIS for the year 2964
# geocentric

## MAY 2964 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 39 15 | 11♉38'48 | 10♈20 | 8°R18 | 27♈52 | 16♋ 6 | 27♌58 | 0♓46 | 12♌11 | 25°R23 | 12°R28 | 15°R21 | 14♎ 9 | 20♐14 | 6♉ 4 | T 1 |
| W 2 | 14 43 12 | 12°37'34 | 24°36 | 7♉35 | 29° 6 | 16°25 | 28° 0 | 0°50 | 12°12 | 25♐22 | 12♎27 | 15♎21 | 14° 6 | 20°21 | 6° 7 | W 2 |
| T 3 | 14 47 9 | 13°36'18 | 9♉15 | 6°54 | 0♉20 | 16°44 | 28° 1 | 0°54 | 12°12 | 25°21 | 12°25 | 15°19 | 14° 3 | 20°28 | 6°11 | T 3 |
| F 4 | 14 51 5 | 14°35'00 | 24° 9 | 6°15 | 1°34 | 17° 3 | 28° 3 | 0°57 | 12°13 | 25°20 | 12°24 | 15°16 | 14° 0 | 20°34 | 6°15 | F 4 |
| S 5 | 14 55 2 | 15°33'40 | 9♊10 | 5°38 | 2°48 | 17°21 | 28° 5 | 1° 1 | 12°14 | 25°19 | 12°23 | 15°12 | 13°57 | 20°41 | 6°18 | S 5 |
| S 6 | 14 58 58 | 16°32'18 | 24° 9 | 5° 6 | 4° 2 | 17°39 | 28° 8 | 1° 4 | 12°15 | 25°18 | 12°21 | 15° 8 | 13°53 | 20°48 | 6°22 | S 6 |
| M 7 | 15 2 55 | 17°30'54 | 8♋58 | 4°37 | 5°16 | 17°56 | 28°10 | 1° 8 | 12°16 | 25°16 | 12°20 | 15° 3 | 13°50 | 20°55 | 6°25 | M 7 |
| T 8 | 15 6 51 | 18°29'28 | 23°31 | 4°13 | 6°30 | 18°13 | 28°13 | 1°11 | 12°17 | 25°15 | 12°19 | 15° 0 | 13°47 | 21° 1 | 6°29 | T 8 |
| W 9 | 15 10 48 | 19°28'00 | 7♌42 | 3°53 | 7°44 | 18°30 | 28°16 | 1°14 | 12°18 | 25°14 | 12°17 | 14°58 | 13°44 | 21° 8 | 6°32 | W 9 |
| T 10 | 15 14 44 | 20°26'30 | 21°30 | 3°38 | 8°58 | 18°46 | 28°19 | 1°17 | 12°19 | 25°13 | 12°16 | 14°D57 | 13°41 | 21°15 | 6°36 | T 10 |
| F 11 | 15 18 41 | 21°24'57 | 4♍56 | 3°27 | 10°12 | 19° 1 | 28°22 | 1°20 | 12°20 | 25°12 | 12°15 | 14°58 | 13°37 | 21°21 | 6°40 | F 11 |
| S 12 | 15 22 38 | 22°23'22 | 18° 2 | 3°22 | 11°26 | 19°16 | 28°25 | 1°23 | 12°21 | 25°10 | 12°14 | 15° 0 | 13°34 | 21°28 | 6°43 | S 12 |
| S 13 | 15 26 34 | 23°21'45 | 0♎50 | 3°D22 | 12°40 | 19°31 | 28°29 | 1°26 | 12°23 | 25° 9 | 12°13 | 15° 1 | 13°31 | 21°35 | 6°47 | S 13 |
| M14 | 15 30 31 | 24°20'07 | 13°23 | 3°26 | 13°54 | 19°45 | 28°33 | 1°28 | 12°24 | 25° 8 | 12°12 | 15°R 2 | 13°28 | 21°42 | 6°50 | M14 |
| T 15 | 15 34 27 | 25°18'26 | 25°45 | 3°35 | 15° 8 | 19°58 | 28°37 | 1°31 | 12°25 | 25° 6 | 12°10 | 15° 1 | 13°25 | 21°48 | 6°54 | T 15 |
| W16 | 15 38 24 | 26°16'43 | 7♏57 | 3°49 | 16°22 | 20°11 | 28°41 | 1°34 | 12°27 | 25° 5 | 12° 9 | 14°59 | 13°22 | 21°55 | 6°57 | W16 |
| T 17 | 15 42 20 | 27°14'59 | 20° 2 | 4° 8 | 17°36 | 20°23 | 28°45 | 1°36 | 12°28 | 25° 4 | 12° 8 | 14°54 | 13°18 | 22° 2 | 7° 0 | T 17 |
| F 18 | 15 46 17 | 28°13'13 | 2♐ 2 | 4°31 | 18°50 | 20°35 | 28°49 | 1°38 | 12°30 | 25° 2 | 12° 7 | 14°48 | 13°15 | 22° 8 | 7° 4 | F 18 |
| S 19 | 15 50 13 | 29°11'25 | 13°57 | 4°59 | 20° 4 | 20°47 | 28°54 | 1°41 | 12°31 | 25° 1 | 12° 6 | 14°40 | 13°12 | 22°15 | 7° 7 | S 19 |
| S 20 | 15 54 10 | 0♊ 9'35 | 25°49 | 5°30 | 21°18 | 20°57 | 28°58 | 1°43 | 12°33 | 24°59 | 12° 5 | 14°32 | 13° 9 | 22°22 | 7°11 | S 20 |
| M21 | 15 58 7 | 1° 7'44 | 7♑41 | 6° 6 | 22°32 | 21° 7 | 29° 3 | 1°45 | 12°35 | 24°58 | 12° 4 | 14°23 | 13° 6 | 22°29 | 7°14 | M21 |
| T 22 | 16 2 3 | 2° 5'52 | 19°35 | 6°45 | 23°46 | 21°17 | 29° 8 | 1°47 | 12°36 | 24°56 | 12° 3 | 14°15 | 13° 2 | 22°35 | 7°17 | T 22 |
| W23 | 16 6 0 | 3° 3'58 | 1♒33 | 7°28 | 24°59 | 21°26 | 29°14 | 1°49 | 12°38 | 24°55 | 12° 3 | 14° 9 | 12°59 | 22°42 | 7°21 | W23 |
| T 24 | 16 9 56 | 4° 2'03 | 13°39 | 8°15 | 26°13 | 21°34 | 29°19 | 1°50 | 12°40 | 24°53 | 12° 2 | 14° 5 | 12°56 | 22°49 | 7°24 | T 24 |
| F 25 | 16 13 53 | 5° 0'06 | 25°57 | 9° 5 | 27°27 | 21°42 | 29°24 | 1°52 | 12°42 | 24°52 | 12° 1 | 14° 3 | 12°53 | 22°55 | 7°27 | F 25 |
| S 26 | 16 17 49 | 5°58'08 | 8♓31 | 9°59 | 28°41 | 21°49 | 29°30 | 1°54 | 12°44 | 24°50 | 12° 0 | 14°D 2 | 12°50 | 23° 2 | 7°31 | S 26 |
| S 27 | 16 21 46 | 6°56'09 | 21°26 | 10°56 | 29°55 | 21°55 | 29°36 | 1°55 | 12°45 | 24°49 | 11°59 | 14° 3 | 12°47 | 23° 9 | 7°34 | S 27 |
| M28 | 16 25 42 | 7°54'08 | 4♈45 | 11°56 | 1♊ 9 | 22° 0 | 29°42 | 1°57 | 12°47 | 24°47 | 11°58 | 14° 4 | 12°43 | 23°16 | 7°37 | M28 |
| T 29 | 16 29 39 | 8°52'06 | 18°31 | 12°58 | 2°23 | 22° 5 | 29°48 | 1°58 | 12°49 | 24°46 | 11°58 | 14°R 4 | 12°40 | 23°22 | 7°40 | T 29 |
| W30 | 16 33 36 | 9°50'03 | 2♉46 | 14° 4 | 3°36 | 22°10 | 29°54 | 1°59 | 12°52 | 24°44 | 11°57 | 14° 3 | 12°37 | 23°29 | 7°44 | W30 |
| T 31 | 16 37 32 | 10♊47'59 | 17♉27 | 15♉13 | 4♊50 | 22♋13 | 0♍ 0 | 2♓ 0 | 12♌54 | 24♐43 | 11♎56 | 13♎59 | 12♎34 | 23♐36 | 7♉47 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15n15 | 4n30 | 0n28 | 15n23 | 1n15 | 9n18 | 1s27 | 23s 8 | 0s48 | 13n 3 | 1n 0 | 12s 1 | 0s56 | 17n41 | 0n39 | 21s46 | 1n28 | 10n22 | 16n34 | 6s 1 | 5s33 | 18s16 | 12n53 | 0s37 |
| W 2 | 15 33 | 8 42 | 0s51 | 14 54 | 0 59 | 9 45 | 1 26 | 23 8 | 0 50 | 13 3 | 1 0 | 12 0 | 0 57 | 17 41 | 0 39 | 21 46 | 1 28 | 10 23 | 16 34 | 6 1 | 5 32 | 18 16 | 12 54 | 0 37 |
| T 3 | 15 50 | 12 29 | 2 7 | 14 24 | 0 42 | 10 12 | 1 25 | 23 8 | 0 52 | 13 2 | 1 0 | 11 59 | 0 57 | 17 40 | 0 39 | 21 46 | 1 28 | 10 23 | 16 34 | 6 0 | 5 31 | 18 16 | 12 55 | 0 37 |
| F 4 | 16 8 | 15 32 | 3 17 | 13 55 | 0 25 | 10 38 | 1 25 | 23 8 | 0 55 | 13 1 | 1 0 | 11 58 | 0 57 | 17 40 | 0 39 | 21 46 | 1 28 | 10 23 | 16 34 | 5 59 | 5 30 | 18 16 | 12 56 | 0 37 |
| S 5 | 16 25 | 17 32 | 4 13 | 13 27 | 0 8 | 11 4 | 1 24 | 23 8 | 0 57 | 13 0 | 0 59 | 11 57 | 0 57 | 17 40 | 0 39 | 21 46 | 1 28 | 10 23 | 16 33 | 5 57 | 5 28 | 18 16 | 12 58 | 0 38 |
| S 6 | 16 42 | 18 20 | 4 52 | 13 0 | 0s 9 | 11 30 | 1 23 | 23 8 | 1 0 | 12 59 | 0 59 | 11 56 | 0 57 | 17 40 | 0 39 | 21 46 | 1 28 | 10 24 | 16 33 | 5 56 | 5 27 | 18 16 | 12 59 | 0 38 |
| M 7 | 16 58 | 17 51 | 5 10 | 12 35 | 0 26 | 11 56 | 1 22 | 23 9 | 1 2 | 12 58 | 0 59 | 11 55 | 0 57 | 17 39 | 0 39 | 21 46 | 1 28 | 10 24 | 16 33 | 5 54 | 5 26 | 18 16 | 13 0 | 0 38 |
| T 8 | 17 14 | 16 12 | 5 9 | 12 12 | 0 42 | 12 21 | 1 20 | 23 9 | 1 5 | 12 57 | 0 59 | 11 54 | 0 58 | 17 39 | 0 39 | 21 46 | 1 28 | 10 24 | 16 32 | 5 53 | 5 25 | 18 16 | 13 1 | 0 38 |
| W 9 | 17 30 | 13 36 | 4 48 | 11 50 | 0 58 | 12 46 | 1 19 | 23 9 | 1 7 | 12 56 | 0 59 | 11 53 | 0 58 | 17 39 | 0 39 | 21 45 | 1 28 | 10 24 | 16 32 | 5 52 | 5 23 | 18 16 | 13 2 | 0 38 |
| T 10 | 17 46 | 10 18 | 4 11 | 11 31 | 1 13 | 13 11 | 1 18 | 23 10 | 1 10 | 12 55 | 0 59 | 11 52 | 0 58 | 17 38 | 0 39 | 21 45 | 1 28 | 10 25 | 16 32 | 5 52 | 5 22 | 18 17 | 13 3 | 0 38 |
| F 11 | 18 1 | 6 32 | 3 21 | 11 14 | 1 27 | 13 35 | 1 17 | 23 10 | 1 13 | 12 54 | 0 59 | 11 51 | 0 58 | 17 38 | 0 39 | 21 45 | 1 28 | 10 25 | 16 32 | 5 52 | 5 21 | 18 17 | 13 4 | 0 38 |
| S 12 | 18 16 | 2 32 | 2 22 | 11 0 | 1 41 | 13 59 | 1 15 | 23 11 | 1 15 | 12 53 | 0 59 | 11 50 | 0 58 | 17 38 | 0 39 | 21 45 | 1 28 | 10 25 | 16 31 | 5 53 | 5 20 | 18 17 | 13 5 | 0 38 |
| S 13 | 18 31 | 1s30 | 1 17 | 10 48 | 1 53 | 14 23 | 1 14 | 23 11 | 1 18 | 12 51 | 0 59 | 11 49 | 0 58 | 17 37 | 0 39 | 21 45 | 1 28 | 10 25 | 16 31 | 5 53 | 5 18 | 18 17 | 13 6 | 0 38 |
| M14 | 18 45 | 5 24 | 0 9 | 10 38 | 2 5 | 14 46 | 1 13 | 23 12 | 1 21 | 12 50 | 0 58 | 11 48 | 0 59 | 17 37 | 0 39 | 21 45 | 1 28 | 10 25 | 16 31 | 5 53 | 5 17 | 18 17 | 13 7 | 0 38 |
| T 15 | 18 59 | 9 0 | 0n58 | 10 31 | 2 16 | 15 9 | 1 11 | 23 13 | 1 24 | 12 48 | 0 58 | 11 48 | 0 59 | 17 36 | 0 39 | 21 45 | 1 28 | 10 25 | 16 30 | 5 53 | 5 16 | 18 17 | 13 8 | 0 38 |
| W16 | 19 13 | 12 10 | 2 1 | 10 26 | 2 26 | 15 32 | 1 10 | 23 14 | 1 27 | 12 47 | 0 58 | 11 47 | 0 59 | 17 36 | 0 39 | 21 45 | 1 28 | 10 25 | 16 30 | 5 52 | 5 15 | 18 17 | 13 9 | 0 38 |
| T 17 | 19 26 | 14 48 | 2 58 | 10 23 | 2 35 | 15 54 | 1 8 | 23 15 | 1 30 | 12 45 | 0 58 | 11 46 | 0 59 | 17 35 | 0 39 | 21 45 | 1 28 | 10 26 | 16 30 | 5 51 | 5 14 | 18 17 | 13 10 | 0 38 |
| F 18 | 19 39 | 16 45 | 3 47 | 10 23 | 2 44 | 16 16 | 1 6 | 23 16 | 1 33 | 12 44 | 0 58 | 11 45 | 0 59 | 17 35 | 0 39 | 21 45 | 1 28 | 10 26 | 16 29 | 5 48 | 5 12 | 18 17 | 13 11 | 0 39 |
| S 19 | 19 52 | 17 58 | 4 25 | 10 25 | 2 51 | 16 37 | 1 5 | 23 17 | 1 36 | 12 42 | 0 58 | 11 45 | 0 59 | 17 35 | 0 39 | 21 45 | 1 28 | 10 26 | 16 29 | 5 45 | 5 11 | 18 17 | 13 12 | 0 39 |
| S 20 | 20 5 | 18 24 | 4 51 | 10 29 | 2 58 | 16 58 | 1 3 | 23 19 | 1 39 | 12 40 | 0 58 | 11 44 | 1 0 | 17 34 | 0 39 | 21 45 | 1 28 | 10 26 | 16 29 | 5 42 | 5 10 | 18 17 | 13 14 | 0 39 |
| M21 | 20 17 | 18 1 | 5 5 | 10 35 | 3 4 | 17 19 | 1 1 | 23 20 | 1 42 | 12 39 | 0 58 | 11 44 | 1 0 | 17 34 | 0 39 | 21 45 | 1 28 | 10 26 | 16 28 | 5 39 | 5 9 | 18 17 | 13 15 | 0 39 |
| T 22 | 20 28 | 16 50 | 5 6 | 10 44 | 3 8 | 17 39 | 0 59 | 23 22 | 1 45 | 12 37 | 0 58 | 11 43 | 1 0 | 17 33 | 0 39 | 21 45 | 1 28 | 10 26 | 16 28 | 5 36 | 5 7 | 18 17 | 13 16 | 0 39 |
| W23 | 20 40 | 14 56 | 4 53 | 10 54 | 3 13 | 17 59 | 0 58 | 23 24 | 1 48 | 12 35 | 0 58 | 11 43 | 1 0 | 17 33 | 0 39 | 21 45 | 1 28 | 10 26 | 16 28 | 5 33 | 5 6 | 18 17 | 13 17 | 0 39 |
| T 24 | 20 51 | 12 21 | 4 28 | 11 5 | 3 16 | 18 18 | 0 56 | 23 26 | 1 52 | 12 33 | 0 57 | 11 42 | 1 0 | 17 32 | 0 39 | 21 44 | 1 28 | 10 26 | 16 27 | 5 31 | 5 5 | 18 18 | 13 18 | 0 39 |
| F 25 | 21 1 | 9 12 | 3 49 | 11 19 | 3 18 | 18 37 | 0 54 | 23 28 | 1 55 | 12 31 | 0 57 | 11 42 | 1 0 | 17 32 | 0 39 | 21 44 | 1 28 | 10 26 | 16 27 | 5 31 | 5 4 | 18 18 | 13 18 | 0 39 |
| S 26 | 21 11 | 5 34 | 2 59 | 11 34 | 3 20 | 18 55 | 0 52 | 23 30 | 1 58 | 12 29 | 0 57 | 11 41 | 1 1 | 17 31 | 0 38 | 21 44 | 1 28 | 10 26 | 16 26 | 5 30 | 5 2 | 18 18 | 13 19 | 0 39 |
| S 27 | 21 21 | 1 34 | 1 59 | 11 50 | 3 21 | 19 13 | 0 50 | 23 33 | 2 2 | 12 27 | 0 57 | 11 41 | 1 1 | 17 30 | 0 38 | 21 44 | 1 28 | 10 26 | 16 26 | 5 31 | 5 1 | 18 18 | 13 20 | 0 39 |
| M28 | 21 31 | 2n38 | 0 50 | 12 8 | 3 21 | 19 30 | 0 48 | 23 35 | 2 5 | 12 25 | 0 57 | 11 41 | 1 1 | 17 30 | 0 38 | 21 44 | 1 28 | 10 26 | 16 26 | 5 31 | 5 0 | 18 18 | 13 21 | 0 39 |
| T 29 | 21 40 | 6 51 | 0s24 | 12 27 | 3 21 | 19 47 | 0 46 | 23 38 | 2 9 | 12 22 | 0 57 | 11 40 | 1 1 | 17 29 | 0 38 | 21 44 | 1 28 | 10 25 | 16 25 | 5 31 | 4 59 | 18 18 | 13 22 | 0 40 |
| W30 | 21 48 | 10 49 | 1 39 | 12 48 | 3 20 | 20 3 | 0 44 | 23 41 | 2 12 | 12 20 | 0 57 | 11 40 | 1 1 | 17 29 | 0 38 | 21 44 | 1 29 | 10 25 | 16 25 | 5 31 | 4 58 | 18 18 | 13 23 | 0 40 |
| T 31 | 21n57 | 14n15 | 2s49 | 13n 9 | 3s18 | 20n18 | 0s42 | 23s44 | 2s16 | 12n18 | 0n57 | 11s40 | 1s 1 | 17n28 | 0n38 | 21s44 | 1n29 | 10n25 | 16n24 | 5s29 | 4s56 | 18s18 | 13n24 | 0s40 |

Julian Day Number = 2803759.5, Delta T = 51m04s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°14'20, Lahiri = 37°21'20


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# ASTRODIENST EPHEMERIS for the year 2964
# geocentric

## JUNE 2964 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 41 29 | 11♊45'53 | 2♊29 | 16♉24 | 6♊ 4 | 22♉16 | 0♍ 7 | 2♓ 1 | 12♌56 | 24°R41 | 11°R56 | 13°R53 | 12♎31 | 23♐42 | 7♉50 | F 1 |
| S 2 | 16 45 25 | 12°43'47 | 17°43 | 17°38 | 7°18 | 22°18 | 0°14 | 2° 2 | 12°58 | 24♐40 | 11♎55 | 13♎45 | 12°28 | 23°49 | 7°53 | S 2 |
| S 3 | 16 49 22 | 13°41'38 | 3♋ 0 | 18°55 | 8°32 | 22°19 | 0°20 | 2° 3 | 13° 0 | 24°38 | 11°55 | 13°36 | 12°24 | 23°56 | 7°56 | S 3 |
| M 4 | 16 53 18 | 14°39'28 | 18° 7 | 20°14 | 9°46 | 22°R20 | 0°27 | 2° 4 | 13° 3 | 24°36 | 11°54 | 13°28 | 12°21 | 24° 3 | 7°59 | M 4 |
| T 5 | 16 57 15 | 15°37'17 | 2♌55 | 21°35 | 11° 0 | 22°20 | 0°34 | 2° 4 | 13° 5 | 24°35 | 11°53 | 13°20 | 12°18 | 24° 9 | 8° 2 | T 5 |
| W 6 | 17 1 11 | 16°35'04 | 17°19 | 22°59 | 12°13 | 22°19 | 0°42 | 2° 5 | 13° 7 | 24°33 | 11°53 | 13°15 | 12°15 | 24°16 | 8° 5 | W 6 |
| T 7 | 17 5 8 | 17°32'50 | 1♍15 | 24°26 | 13°27 | 22°17 | 0°49 | 2° 5 | 13°10 | 24°32 | 11°52 | 13°11 | 12°12 | 24°23 | 8° 8 | T 7 |
| F 8 | 17 9 5 | 18°30'33 | 14°43 | 25°55 | 14°41 | 22°15 | 0°56 | 2° 5 | 13°12 | 24°30 | 11°52 | 13°D10 | 12° 8 | 24°29 | 8°11 | F 8 |
| S 9 | 17 13 1 | 19°28'16 | 27°46 | 27°26 | 15°55 | 22°12 | 1° 4 | 2° 6 | 13°15 | 24°28 | 11°52 | 13°10 | 12° 5 | 24°36 | 8°14 | S 9 |
| S 10 | 17 16 58 | 20°25'56 | 10♎28 | 29° 0 | 17° 9 | 22° 8 | 1°12 | 2° 6 | 13°17 | 24°27 | 11°51 | 13°R11 | 12° 2 | 24°43 | 8°17 | S 10 |
| M11 | 17 20 54 | 21°23'36 | 22°52 | 0♏36 | 18°22 | 22° 3 | 1°19 | 2°R 6 | 13°20 | 24°25 | 11°51 | 13°10 | 11°59 | 24°50 | 8°20 | M11 |
| T 12 | 17 24 51 | 22°21'13 | 5♏ 4 | 2°15 | 19°36 | 21°58 | 1°27 | 2° 6 | 13°22 | 24°24 | 11°51 | 13° 8 | 11°56 | 24°56 | 8°23 | T 12 |
| W13 | 17 28 47 | 23°18'50 | 17° 6 | 3°56 | 20°50 | 21°52 | 1°35 | 2° 5 | 13°25 | 24°22 | 11°50 | 13° 4 | 11°53 | 25° 3 | 8°25 | W13 |
| T 14 | 17 32 44 | 24°16'25 | 29° 3 | 5°39 | 22° 4 | 21°45 | 1°44 | 2° 5 | 13°27 | 24°20 | 11°50 | 12°56 | 11°49 | 25°10 | 8°28 | T 14 |
| F 15 | 17 36 40 | 25°13'59 | 10♐56 | 7°24 | 23°17 | 21°37 | 1°52 | 2° 5 | 13°30 | 24°19 | 11°50 | 12°47 | 11°46 | 25°16 | 8°31 | F 15 |
| S 16 | 17 40 37 | 26°11'32 | 22°48 | 9°12 | 24°31 | 21°29 | 2° 0 | 2° 4 | 13°33 | 24°17 | 11°50 | 12°35 | 11°43 | 25°23 | 8°34 | S 16 |
| S 17 | 17 44 34 | 27° 9'04 | 4♑41 | 11° 3 | 25°45 | 21°20 | 2° 9 | 2° 4 | 13°36 | 24°16 | 11°50 | 12°21 | 11°40 | 25°30 | 8°36 | S 17 |
| M18 | 17 48 30 | 28° 6'35 | 16°35 | 12°55 | 26°59 | 21°10 | 2°18 | 2° 3 | 13°38 | 24°14 | 11°49 | 12° 8 | 11°37 | 25°37 | 8°39 | M18 |
| T 19 | 17 52 27 | 29° 4'05 | 28°33 | 14°50 | 28°12 | 21° 0 | 2°26 | 2° 2 | 13°41 | 24°12 | 11°49 | 11°56 | 11°34 | 25°43 | 8°41 | T 19 |
| W20 | 17 56 23 | 0♋ 1'34 | 10♒36 | 16°47 | 29°26 | 20°48 | 2°35 | 2° 1 | 13°44 | 24°11 | 11°49 | 11°46 | 11°30 | 25°50 | 8°44 | W20 |
| T 21 | 18 0 20 | 0°59'03 | 22°46 | 18°46 | 0♋40 | 20°37 | 2°44 | 2° 0 | 13°47 | 24° 9 | 11°D49 | 11°38 | 11°27 | 25°57 | 8°46 | T 21 |
| F 22 | 18 4 16 | 1°56'30 | 5♓ 6 | 20°47 | 1°54 | 20°24 | 2°53 | 1°59 | 13°50 | 24° 7 | 11°49 | 11°33 | 11°24 | 26° 3 | 8°49 | F 22 |
| S 23 | 18 8 13 | 2°53'57 | 17°40 | 22°51 | 3° 7 | 20°11 | 3° 2 | 1°58 | 13°53 | 24° 6 | 11°49 | 11°31 | 11°21 | 26°10 | 8°51 | S 23 |
| S 24 | 18 12 9 | 3°51'23 | 0♈32 | 24°56 | 4°21 | 19°57 | 3°12 | 1°57 | 13°56 | 24° 4 | 11°49 | 11°30 | 11°18 | 26°17 | 8°54 | S 24 |
| M25 | 18 16 6 | 4°48'49 | 13°45 | 27° 2 | 5°35 | 19°43 | 3°21 | 1°56 | 13°59 | 24° 3 | 11°50 | 11°30 | 11°14 | 26°24 | 8°56 | M25 |
| T 26 | 18 20 3 | 5°46'15 | 27°24 | 29°11 | 6°49 | 19°28 | 3°31 | 1°54 | 14° 2 | 24° 1 | 11°50 | 11°30 | 11°11 | 26°30 | 8°58 | T 26 |
| W27 | 18 23 59 | 6°43'39 | 11♉29 | 1♋20 | 8° 2 | 19°12 | 3°40 | 1°53 | 14° 5 | 23°59 | 11°50 | 11°28 | 11° 8 | 26°37 | 9° 1 | W27 |
| T 28 | 18 27 56 | 7°41'04 | 26° 2 | 3°31 | 9°16 | 18°56 | 3°50 | 1°51 | 14° 8 | 23°58 | 11°50 | 11°23 | 11° 5 | 26°44 | 9° 3 | T 28 |
| F 29 | 18 31 52 | 8°38'28 | 10♊57 | 5°42 | 10°30 | 18°40 | 4° 0 | 1°49 | 14°11 | 23°56 | 11°50 | 11°16 | 11° 2 | 26°51 | 9° 5 | F 29 |
| S 30 | 18 35 49 | 9♋35'52 | 26♊ 8 | 7♋54 | 11♋44 | 18♉23 | 4♍ 9 | 1♓48 | 14♌15 | 23♐55 | 11♎51 | 11♎ 6 | 10♎59 | 26♐57 | 9♉ 7 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n 5 | 16n48 | 3s49 | 13n31 | 3s16 | 20n34 | 0s39 | 23s47 | 2s20 | 12n15 | 0n57 | 11s40 | 1s 2 | 17n27 | 0n38 | 21s44 | 1n29 | 10n25 | 16n24 | 5s27 | 4s55 | 18s18 | 13n25 | 0s40 |
| S 2 | 22 12 | 18 12 | 4 34 | 13 55 | 3 13 | 20 48 | 0 37 | 23 50 | 2 24 | 12 13 | 0 57 | 11 39 | 1 2 | 17 27 | 0 38 | 21 44 | 1 29 | 10 25 | 16 24 | 5 24 | 4 54 | 18 18 | 13 26 | 0 40 |
| S 3 | 22 19 | 18 18 | 4 59 | 14 19 | 3 9 | 21 2 | 0 35 | 23 54 | 2 27 | 12 10 | 0 56 | 11 39 | 1 2 | 17 26 | 0 38 | 21 44 | 1 29 | 10 25 | 16 23 | 5 20 | 4 53 | 18 18 | 13 27 | 0 40 |
| M 4 | 22 26 | 17 5 | 5 3 | 14 44 | 3 5 | 21 15 | 0 33 | 23 57 | 2 31 | 12 8 | 0 56 | 11 39 | 1 2 | 17 25 | 0 38 | 21 44 | 1 29 | 10 25 | 16 23 | 5 17 | 4 51 | 18 18 | 13 28 | 0 40 |
| T 5 | 22 32 | 14 45 | 4 47 | 15 10 | 3 0 | 21 28 | 0 31 | 24 1 | 2 35 | 12 5 | 0 56 | 11 39 | 1 2 | 17 25 | 0 38 | 21 44 | 1 29 | 10 24 | 16 22 | 5 14 | 4 50 | 18 18 | 13 29 | 0 40 |
| W 6 | 22 38 | 11 33 | 4 13 | 15 36 | 2 55 | 21 40 | 0 28 | 24 5 | 2 39 | 12 3 | 0 56 | 11 39 | 1 3 | 17 24 | 0 38 | 21 44 | 1 29 | 10 24 | 16 22 | 5 12 | 4 49 | 18 18 | 13 30 | 0 40 |
| T 7 | 22 44 | 7 47 | 3 24 | 16 3 | 2 49 | 21 52 | 0 26 | 24 9 | 2 43 | 12 0 | 0 56 | 11 39 | 1 3 | 17 23 | 0 38 | 21 43 | 1 29 | 10 24 | 16 21 | 5 11 | 4 48 | 18 18 | 13 30 | 0 40 |
| F 8 | 22 49 | 3 45 | 2 26 | 16 30 | 2 42 | 22 3 | 0 24 | 24 14 | 2 47 | 11 57 | 0 56 | 11 39 | 1 3 | 17 23 | 0 38 | 21 43 | 1 29 | 10 24 | 16 21 | 5 10 | 4 46 | 18 18 | 13 31 | 0 40 |
| S 9 | 22 54 | 0s22 | 1 21 | 16 58 | 2 35 | 22 13 | 0 21 | 24 18 | 2 51 | 11 55 | 0 56 | 11 39 | 1 3 | 17 22 | 0 38 | 21 43 | 1 29 | 10 23 | 16 21 | 5 10 | 4 45 | 18 18 | 13 32 | 0 41 |
| S 10 | 22 58 | 4 21 | 0 15 | 17 25 | 2 28 | 22 23 | 0 19 | 24 22 | 2 55 | 11 52 | 0 56 | 11 39 | 1 3 | 17 21 | 0 38 | 21 43 | 1 29 | 10 23 | 16 20 | 5 11 | 4 44 | 18 18 | 13 33 | 0 41 |
| M11 | 23 2 | 8 3 | 0n51 | 17 53 | 2 20 | 22 32 | 0 17 | 24 27 | 2 59 | 11 49 | 0 56 | 11 40 | 1 3 | 17 20 | 0 38 | 21 43 | 1 29 | 10 23 | 16 20 | 5 10 | 4 43 | 18 18 | 13 34 | 0 41 |
| T 12 | 23 6 | 11 21 | 1 54 | 18 21 | 2 11 | 22 40 | 0 14 | 24 32 | 3 3 | 11 46 | 0 56 | 11 40 | 1 4 | 17 20 | 0 38 | 21 43 | 1 29 | 10 23 | 16 19 | 5 10 | 4 42 | 18 18 | 13 35 | 0 41 |
| W13 | 23 9 | 14 8 | 2 50 | 18 49 | 2 3 | 22 48 | 0 12 | 24 37 | 3 7 | 11 43 | 0 56 | 11 40 | 1 4 | 17 19 | 0 38 | 21 43 | 1 29 | 10 22 | 16 19 | 5 8 | 4 40 | 18 18 | 13 35 | 0 41 |
| T 14 | 23 11 | 16 17 | 3 38 | 19 16 | 1 54 | 22 55 | 0 10 | 24 42 | 3 11 | 11 40 | 0 56 | 11 40 | 1 4 | 17 18 | 0 38 | 21 43 | 1 29 | 10 22 | 16 18 | 5 5 | 4 39 | 18 18 | 13 36 | 0 41 |
| F 15 | 23 14 | 17 44 | 4 16 | 19 43 | 1 44 | 23 1 | 0 7 | 24 47 | 3 15 | 11 37 | 0 55 | 11 41 | 1 4 | 17 17 | 0 38 | 21 43 | 1 29 | 10 22 | 16 18 | 5 1 | 4 38 | 18 18 | 13 37 | 0 41 |
| S 16 | 23 15 | 18 24 | 4 43 | 20 10 | 1 34 | 23 7 | 0 5 | 24 53 | 3 19 | 11 34 | 0 55 | 11 41 | 1 4 | 17 16 | 0 38 | 21 43 | 1 29 | 10 21 | 16 17 | 4 57 | 4 37 | 18 18 | 13 38 | 0 41 |
| S 17 | 23 17 | 18 16 | 4 58 | 20 36 | 1 24 | 23 12 | 0 2 | 24 58 | 3 23 | 11 31 | 0 55 | 11 41 | 1 4 | 17 16 | 0 38 | 21 43 | 1 29 | 10 21 | 16 17 | 4 52 | 4 35 | 18 18 | 13 39 | 0 41 |
| M18 | 23 18 | 17 20 | 5 0 | 21 1 | 1 14 | 23 17 | 0 0 | 25 4 | 3 27 | 11 28 | 0 55 | 11 42 | 1 5 | 17 15 | 0 38 | 21 43 | 1 29 | 10 20 | 16 16 | 4 46 | 4 34 | 18 18 | 13 39 | 0 41 |
| T 19 | 23 19 | 15 38 | 4 48 | 21 25 | 1 3 | 23 20 | 0n 2 | 25 9 | 3 31 | 11 25 | 0 55 | 11 42 | 1 5 | 17 14 | 0 38 | 21 43 | 1 28 | 10 20 | 16 16 | 4 42 | 4 33 | 18 18 | 13 40 | 0 42 |
| W20 | 23 19 | 13 15 | 4 24 | 21 48 | 0 52 | 23 23 | 0 5 | 25 15 | 3 35 | 11 21 | 0 55 | 11 43 | 1 5 | 17 13 | 0 38 | 21 43 | 1 28 | 10 20 | 16 15 | 4 38 | 4 32 | 18 18 | 13 41 | 0 42 |
| T 21 | 23 18 | 10 16 | 3 47 | 22 9 | 0 41 | 23 26 | 0 7 | 25 21 | 3 39 | 11 18 | 0 55 | 11 43 | 1 5 | 17 12 | 0 38 | 21 43 | 1 28 | 10 19 | 16 15 | 4 35 | 4 30 | 18 18 | 13 41 | 0 42 |
| F 22 | 23 18 | 6 48 | 3 0 | 22 29 | 0 30 | 23 27 | 0 10 | 25 27 | 3 43 | 11 15 | 0 55 | 11 44 | 1 5 | 17 12 | 0 38 | 21 43 | 1 28 | 10 19 | 16 14 | 4 33 | 4 29 | 18 18 | 13 42 | 0 42 |
| S 23 | 23 17 | 2 58 | 2 3 | 22 48 | 0 19 | 23 28 | 0 12 | 25 33 | 3 47 | 11 11 | 0 55 | 11 44 | 1 6 | 17 11 | 0 38 | 21 42 | 1 28 | 10 18 | 16 14 | 4 32 | 4 28 | 18 17 | 13 43 | 0 42 |
| S 24 | 23 15 | 1n 6 | 0 58 | 23 5 | 0 8 | 23 29 | 0 14 | 25 39 | 3 51 | 11 8 | 0 55 | 11 45 | 1 6 | 17 10 | 0 38 | 21 42 | 1 28 | 10 18 | 16 14 | 4 32 | 4 27 | 18 17 | 13 43 | 0 42 |
| M25 | 23 13 | 5 13 | 0s12 | 23 19 | 0n 3 | 23 28 | 0 17 | 25 45 | 3 55 | 11 4 | 0 55 | 11 46 | 1 6 | 17 9 | 0 38 | 21 42 | 1 28 | 10 17 | 16 13 | 4 32 | 4 25 | 18 17 | 13 44 | 0 42 |
| T 26 | 23 11 | 9 12 | 1 23 | 23 32 | 0 13 | 23 27 | 0 19 | 25 51 | 3 59 | 11 1 | 0 55 | 11 46 | 1 6 | 17 8 | 0 38 | 21 42 | 1 28 | 10 17 | 16 13 | 4 31 | 4 24 | 18 17 | 13 45 | 0 42 |
| W27 | 23 9 | 12 48 | 2 31 | 23 42 | 0 24 | 23 25 | 0 21 | 25 57 | 4 3 | 10 57 | 0 55 | 11 47 | 1 6 | 17 7 | 0 38 | 21 42 | 1 28 | 10 16 | 16 12 | 4 31 | 4 23 | 18 17 | 13 45 | 0 42 |
| T 28 | 23 5 | 15 43 | 3 32 | 23 50 | 0 34 | 23 23 | 0 24 | 26 3 | 4 6 | 10 54 | 0 54 | 11 48 | 1 6 | 17 6 | 0 38 | 21 42 | 1 28 | 10 16 | 16 12 | 4 29 | 4 22 | 18 17 | 13 46 | 0 42 |
| F 29 | 23 2 | 17 41 | 4 20 | 23 55 | 0 44 | 23 20 | 0 26 | 26 9 | 4 10 | 10 50 | 0 54 | 11 48 | 1 7 | 17 5 | 0 38 | 21 42 | 1 28 | 10 15 | 16 11 | 4 26 | 4 21 | 18 17 | 13 47 | 0 43 |
| S 30 | 22n58 | 18n25 | 4s50 | 23n57 | 0n53 | 23n16 | 0n28 | 26s15 | 4s14 | 10n47 | 0n54 | 11s49 | 1s 7 | 17n 4 | 0n38 | 21s42 | 1n28 | 10n15 | 16n11 | 4s22 | 4s19 | 18s17 | 13n47 | 0s43 |

Julian Day Number = 2803790.5, Delta T = 51m05s
Ecliptic obliquity = 23°18'42, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°14'24, Lahiri = 37°21'25


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# ASTRODIENST EPHEMERIS for the year 2964
# geocentric

## JULY 2964 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 39 45 | 10♋33'15 | 11♋26 | 10♋ 6 | 12♋58 | 18°R 5 | 4♍19 | 1°R46 | 14♌18 | 23°R53 | 11♎51 | 10°R55 | 10♎55 | 27♐ 4 | 9♉ 9 | S 1 |
| M 2 | 18 43 42 | 11°30'37 | 26°38 | 12°18 | 14°11 | 17♑48 | 4°30 | 1♓44 | 14°21 | 23♐52 | 11°51 | 10♎45 | 10°52 | 27°11 | 9°12 | M 2 |
| T 3 | 18 47 39 | 12°27'59 | 11♌34 | 14°30 | 15°25 | 17°30 | 4°40 | 1°42 | 14°24 | 23°50 | 11°52 | 10°35 | 10°49 | 27°17 | 9°14 | T 3 |
| W 4 | 18 51 35 | 13°25'19 | 26° 6 | 16°41 | 16°39 | 17°11 | 4°50 | 1°40 | 14°27 | 23°49 | 11°52 | 10°28 | 10°46 | 27°24 | 9°16 | W 4 |
| T 5 | 18 55 32 | 14°22'40 | 10♍10 | 18°51 | 17°53 | 16°53 | 5° 0 | 1°37 | 14°31 | 23°47 | 11°52 | 10°23 | 10°43 | 27°31 | 9°17 | T 5 |
| F 6 | 18 59 28 | 15°19'59 | 23°44 | 21° 0 | 19° 6 | 16°34 | 5°11 | 1°35 | 14°34 | 23°46 | 11°53 | 10°21 | 10°40 | 27°38 | 9°19 | F 6 |
| S 7 | 19 3 25 | 16°17'17 | 6♎51 | 23° 8 | 20°20 | 16°15 | 5°21 | 1°33 | 14°37 | 23°44 | 11°53 | 10°20 | 10°36 | 27°44 | 9°21 | S 7 |
| S 8 | 19 7 21 | 17°14'35 | 19°33 | 25°15 | 21°34 | 15°56 | 5°32 | 1°30 | 14°41 | 23°43 | 11°54 | 10°20 | 10°33 | 27°51 | 9°23 | S 8 |
| M 9 | 19 11 18 | 18°11'52 | 1♏56 | 27°20 | 22°48 | 15°37 | 5°42 | 1°28 | 14°44 | 23°41 | 11°54 | 10°20 | 10°30 | 27°58 | 9°25 | M 9 |
| T 10 | 19 15 14 | 19° 9'09 | 14° 5 | 29°23 | 24° 1 | 15°18 | 5°53 | 1°25 | 14°47 | 23°40 | 11°55 | 10°18 | 10°27 | 28° 4 | 9°26 | T 10 |
| W11 | 19 19 11 | 20° 6'25 | 26° 4 | 1♌25 | 25°15 | 14°59 | 6° 4 | 1°22 | 14°51 | 23°38 | 11°56 | 10°13 | 10°24 | 28°11 | 9°28 | W11 |
| T 12 | 19 23 8 | 21° 3'41 | 7♐57 | 3°24 | 26°29 | 14°40 | 6°15 | 1°19 | 14°54 | 23°37 | 11°56 | 10° 6 | 10°20 | 28°18 | 9°30 | T 12 |
| F 13 | 19 27 4 | 22° 0'56 | 19°48 | 5°22 | 27°43 | 14°21 | 6°26 | 1°17 | 14°58 | 23°36 | 11°57 | 9°56 | 10°17 | 28°25 | 9°31 | F 13 |
| S 14 | 19 31 1 | 22°58'10 | 1♑41 | 7°18 | 28°56 | 14° 3 | 6°37 | 1°14 | 15° 1 | 23°34 | 11°58 | 9°45 | 10°14 | 28°31 | 9°33 | S 14 |
| S 15 | 19 34 57 | 23°55'25 | 13°36 | 9°11 | 0♌10 | 13°44 | 6°48 | 1°11 | 15° 5 | 23°33 | 11°59 | 9°32 | 10°11 | 28°38 | 9°34 | S 15 |
| M16 | 19 38 54 | 24°52'39 | 25°35 | 11° 3 | 1°24 | 13°26 | 6°59 | 1° 7 | 15° 8 | 23°32 | 11°59 | 9°19 | 10° 8 | 28°45 | 9°36 | M16 |
| T 17 | 19 42 50 | 25°49'53 | 7♒40 | 12°52 | 2°38 | 13° 8 | 7°10 | 1° 4 | 15°12 | 23°30 | 12° 0 | 9° 7 | 10° 5 | 28°51 | 9°37 | T 17 |
| W18 | 19 46 47 | 26°47'07 | 19°52 | 14°40 | 3°51 | 12°51 | 7°22 | 1° 1 | 15°15 | 23°29 | 12° 1 | 8°56 | 10° 1 | 28°58 | 9°38 | W18 |
| T 19 | 19 50 43 | 27°44'21 | 2♓12 | 16°25 | 5° 5 | 12°34 | 7°33 | 0°58 | 15°19 | 23°28 | 12° 2 | 8°49 | 9°58 | 29° 5 | 9°40 | T 19 |
| F 20 | 19 54 40 | 28°41'35 | 14°42 | 18° 8 | 6°19 | 12°17 | 7°44 | 0°54 | 15°22 | 23°26 | 12° 3 | 8°44 | 9°55 | 29°12 | 9°41 | F 20 |
| S 21 | 19 58 37 | 29°38'49 | 27°24 | 19°49 | 7°33 | 12° 1 | 7°56 | 0°51 | 15°26 | 23°25 | 12° 4 | 8°42 | 9°52 | 29°18 | 9°42 | S 21 |
| S 22 | 20 2 33 | 0♌36'03 | 10♈20 | 21°28 | 8°46 | 11°45 | 8° 7 | 0°47 | 15°29 | 23°24 | 12° 5 | 8°D41 | 9°49 | 29°25 | 9°43 | S 22 |
| M23 | 20 6 30 | 1°33'18 | 23°35 | 23° 5 | 10° 0 | 11°30 | 8°19 | 0°44 | 15°33 | 23°23 | 12° 6 | 8°41 | 9°46 | 29°32 | 9°44 | M23 |
| T 24 | 20 10 26 | 2°30'33 | 7♉10 | 24°40 | 11°14 | 11°15 | 8°31 | 0°40 | 15°37 | 23°22 | 12° 7 | 8°R42 | 9°42 | 29°39 | 9°45 | T 24 |
| W25 | 20 14 23 | 3°27'49 | 21° 6 | 26°12 | 12°28 | 11° 1 | 8°42 | 0°37 | 15°40 | 23°20 | 12° 8 | 8°40 | 9°39 | 29°45 | 9°46 | W25 |
| T 26 | 20 18 19 | 4°25'05 | 5♊26 | 27°43 | 13°41 | 10°47 | 8°54 | 0°33 | 15°44 | 23°19 | 12° 9 | 8°37 | 9°36 | 29°52 | 9°47 | T 26 |
| F 27 | 20 22 16 | 5°22'21 | 20° 6 | 29°11 | 14°55 | 10°35 | 9° 6 | 0°29 | 15°48 | 23°18 | 12°10 | 8°31 | 9°33 | 29°59 | 9°48 | F 27 |
| S 28 | 20 26 12 | 6°19'38 | 5♋ 1 | 0♍38 | 16° 9 | 10°23 | 9°18 | 0°25 | 15°51 | 23°17 | 12°11 | 8°24 | 9°30 | 0♑ 5 | 9°49 | S 28 |
| S 29 | 20 30 9 | 7°16'55 | 20° 3 | 2° 2 | 17°23 | 10°11 | 9°30 | 0°21 | 15°55 | 23°16 | 12°12 | 8°15 | 9°26 | 0°12 | 9°50 | S 29 |
| M30 | 20 34 6 | 8°14'13 | 5♌ 4 | 3°24 | 18°36 | 10° 1 | 9°42 | 0°17 | 15°58 | 23°15 | 12°13 | 8° 6 | 9°23 | 0°19 | 9°50 | M30 |
| T 31 | 20 38 2 | 9♌11'31 | 19♌53 | 4♍43 | 19♌50 | 9♑51 | 9♍54 | 0♓13 | 16♌ 2 | 23♐14 | 12♎15 | 7♎58 | 9♎20 | 0♑26 | 9♉51 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n54 | 17n50 | 5s 0 | 23n57 | 1n 2 | 23n11 | 0n30 | 26s21 | 4s17 | 10n43 | 0n54 | 11s50 | 1s 7 | 17n 3 | 0n38 | 21s42 | 1n28 | 10n14 | 16n10 | 4s18 | 4s18 | 18s17 | 13n48 | 0s43 |
| M 2 | 22 49 | 15 59 | 4 49 | 23 54 | 1 10 | 23 6 | 0 33 | 26 26 | 4 21 | 10 39 | 0 54 | 11 51 | 1 7 | 17 2 | 0 38 | 21 42 | 1 28 | 10 14 | 16 10 | 4 14 | 4 17 | 18 17 | 13 48 | 0 43 |
| T 3 | 22 44 | 13 5 | 4 18 | 23 49 | 1 17 | 23 0 | 0 35 | 26 32 | 4 24 | 10 36 | 0 54 | 11 52 | 1 7 | 17 2 | 0 38 | 21 42 | 1 28 | 10 13 | 16 9 | 4 10 | 4 16 | 18 17 | 13 49 | 0 43 |
| W 4 | 22 38 | 9 26 | 3 31 | 23 40 | 1 24 | 22 54 | 0 37 | 26 38 | 4 27 | 10 32 | 0 54 | 11 53 | 1 7 | 17 1 | 0 38 | 21 42 | 1 28 | 10 12 | 16 9 | 4 7 | 4 14 | 18 17 | 13 49 | 0 43 |
| T 5 | 22 32 | 5 22 | 2 32 | 23 29 | 1 30 | 22 46 | 0 39 | 26 43 | 4 30 | 10 28 | 0 54 | 11 54 | 1 8 | 17 0 | 0 38 | 21 42 | 1 28 | 10 12 | 16 8 | 4 6 | 4 13 | 18 17 | 13 50 | 0 43 |
| F 6 | 22 26 | 1 9 | 1 27 | 23 16 | 1 36 | 22 38 | 0 41 | 26 49 | 4 34 | 10 24 | 0 54 | 11 55 | 1 8 | 16 59 | 0 38 | 21 42 | 1 28 | 10 11 | 16 8 | 4 5 | 4 12 | 18 17 | 13 50 | 0 43 |
| S 7 | 22 19 | 2s59 | 0 18 | 22 59 | 1 41 | 22 30 | 0 43 | 26 54 | 4 37 | 10 20 | 0 54 | 11 56 | 1 8 | 16 58 | 0 38 | 21 42 | 1 28 | 10 11 | 16 7 | 4 4 | 4 11 | 18 17 | 13 51 | 0 43 |
| S 8 | 22 12 | 6 52 | 0n49 | 22 41 | 1 44 | 22 21 | 0 45 | 26 59 | 4 39 | 10 16 | 0 54 | 11 57 | 1 8 | 16 57 | 0 38 | 21 42 | 1 28 | 10 10 | 16 7 | 4 4 | 4 9 | 18 16 | 13 51 | 0 44 |
| M 9 | 22 5 | 10 20 | 1 52 | 22 21 | 1 48 | 22 11 | 0 47 | 27 4 | 4 42 | 10 12 | 0 54 | 11 58 | 1 8 | 16 56 | 0 38 | 21 42 | 1 28 | 10 9 | 16 6 | 4 4 | 4 8 | 18 16 | 13 52 | 0 44 |
| T 10 | 21 57 | 13 18 | 2 48 | 21 58 | 1 50 | 22 0 | 0 49 | 27 9 | 4 45 | 10 8 | 0 54 | 11 59 | 1 8 | 16 55 | 0 38 | 21 42 | 1 28 | 10 9 | 16 6 | 4 3 | 4 7 | 18 16 | 13 52 | 0 44 |
| W11 | 21 49 | 15 39 | 3 37 | 21 33 | 1 52 | 21 49 | 0 51 | 27 14 | 4 47 | 10 4 | 0 54 | 12 0 | 1 9 | 16 54 | 0 38 | 21 42 | 1 28 | 10 8 | 16 5 | 4 2 | 4 6 | 18 16 | 13 53 | 0 44 |
| T 12 | 21 40 | 17 19 | 4 15 | 21 7 | 1 53 | 21 37 | 0 53 | 27 18 | 4 50 | 10 0 | 0 54 | 12 1 | 1 9 | 16 53 | 0 38 | 21 42 | 1 28 | 10 7 | 16 5 | 3 59 | 4 4 | 18 16 | 13 53 | 0 44 |
| F 13 | 21 31 | 18 14 | 4 43 | 20 39 | 1 53 | 21 25 | 0 55 | 27 23 | 4 52 | 9 56 | 0 54 | 12 2 | 1 9 | 16 52 | 0 38 | 21 42 | 1 28 | 10 7 | 16 5 | 3 55 | 4 3 | 18 16 | 13 53 | 0 44 |
| S 14 | 21 22 | 18 20 | 4 58 | 20 10 | 1 52 | 21 12 | 0 57 | 27 27 | 4 54 | 9 52 | 0 54 | 12 3 | 1 9 | 16 51 | 0 38 | 21 41 | 1 28 | 10 6 | 16 4 | 3 50 | 4 2 | 18 16 | 13 54 | 0 44 |
| S 15 | 21 12 | 17 39 | 5 0 | 19 39 | 1 51 | 20 58 | 0 59 | 27 31 | 4 56 | 9 48 | 0 54 | 12 5 | 1 9 | 16 50 | 0 38 | 21 41 | 1 28 | 10 5 | 16 4 | 3 45 | 4 1 | 18 16 | 13 54 | 0 44 |
| M16 | 21 2 | 16 11 | 4 49 | 19 7 | 1 49 | 20 44 | 1 1 | 27 35 | 4 58 | 9 44 | 0 54 | 12 6 | 1 9 | 16 49 | 0 38 | 21 41 | 1 28 | 10 5 | 16 3 | 3 40 | 3 59 | 18 16 | 13 54 | 0 44 |
| T 17 | 20 52 | 13 59 | 4 25 | 18 34 | 1 47 | 20 29 | 1 2 | 27 38 | 5 0 | 9 40 | 0 54 | 12 7 | 1 10 | 16 48 | 0 38 | 21 41 | 1 28 | 10 4 | 16 3 | 3 36 | 3 58 | 18 16 | 13 55 | 0 45 |
| W18 | 20 41 | 11 10 | 3 48 | 18 0 | 1 44 | 20 13 | 1 4 | 27 42 | 5 1 | 9 35 | 0 54 | 12 8 | 1 10 | 16 46 | 0 38 | 21 41 | 1 28 | 10 3 | 16 2 | 3 32 | 3 57 | 18 15 | 13 55 | 0 45 |
| T 19 | 20 30 | 7 49 | 3 1 | 17 25 | 1 40 | 19 57 | 1 6 | 27 45 | 5 3 | 9 31 | 0 53 | 12 10 | 1 10 | 16 45 | 0 38 | 21 41 | 1 28 | 10 2 | 16 2 | 3 29 | 3 56 | 18 15 | 13 55 | 0 45 |
| F 20 | 20 19 | 4 5 | 2 4 | 16 50 | 1 35 | 19 41 | 1 7 | 27 48 | 5 4 | 9 27 | 0 53 | 12 11 | 1 10 | 16 44 | 0 38 | 21 41 | 1 28 | 10 2 | 16 1 | 3 27 | 3 54 | 18 15 | 13 56 | 0 45 |
| S 21 | 20 7 | 0 7 | 1 0 | 16 13 | 1 30 | 19 24 | 1 9 | 27 50 | 5 5 | 9 23 | 0 53 | 12 12 | 1 10 | 16 43 | 0 38 | 21 41 | 1 28 | 10 1 | 16 1 | 3 26 | 3 53 | 18 15 | 13 56 | 0 45 |
| S 22 | 19 55 | 3n56 | 0s 9 | 15 37 | 1 25 | 19 6 | 1 10 | 27 53 | 5 6 | 9 18 | 0 53 | 12 14 | 1 10 | 16 42 | 0 38 | 21 41 | 1 28 | 10 0 | 16 0 | 3 26 | 3 52 | 18 15 | 13 56 | 0 45 |
| M23 | 19 42 | 7 54 | 1 18 | 15 0 | 1 19 | 18 48 | 1 12 | 27 55 | 5 7 | 9 14 | 0 53 | 12 15 | 1 10 | 16 41 | 0 38 | 21 41 | 1 28 | 9 59 | 16 0 | 3 26 | 3 51 | 18 15 | 13 56 | 0 45 |
| T 24 | 19 30 | 11 32 | 2 25 | 14 22 | 1 12 | 18 29 | 1 13 | 27 57 | 5 8 | 9 10 | 0 53 | 12 17 | 1 11 | 16 40 | 0 38 | 21 41 | 1 28 | 9 58 | 16 0 | 3 26 | 3 50 | 18 15 | 13 57 | 0 45 |
| W25 | 19 17 | 14 38 | 3 26 | 13 44 | 1 5 | 18 10 | 1 14 | 27 59 | 5 9 | 9 5 | 0 53 | 12 18 | 1 11 | 16 39 | 0 38 | 21 41 | 1 28 | 9 58 | 15 59 | 3 25 | 3 48 | 18 15 | 13 57 | 0 45 |
| T 26 | 19 3 | 16 55 | 4 15 | 13 6 | 0 58 | 17 50 | 1 16 | 28 1 | 5 9 | 9 1 | 0 53 | 12 20 | 1 11 | 16 38 | 0 38 | 21 41 | 1 28 | 9 57 | 15 59 | 3 24 | 3 47 | 18 14 | 13 57 | 0 46 |
| F 27 | 18 50 | 18 9 | 4 48 | 12 28 | 0 50 | 17 30 | 1 17 | 28 2 | 5 10 | 8 56 | 0 53 | 12 21 | 1 11 | 16 37 | 0 38 | 21 41 | 1 28 | 9 56 | 15 58 | 3 22 | 3 46 | 18 14 | 13 57 | 0 46 |
| S 28 | 18 35 | 18 10 | 5 3 | 11 50 | 0 42 | 17 9 | 1 18 | 28 4 | 5 10 | 8 52 | 0 53 | 12 22 | 1 11 | 16 36 | 0 38 | 21 41 | 1 27 | 9 55 | 15 58 | 3 19 | 3 45 | 18 14 | 13 57 | 0 46 |
| S 29 | 18 21 | 16 55 | 4 58 | 11 12 | 0 33 | 16 48 | 1 19 | 28 5 | 5 10 | 8 47 | 0 53 | 12 24 | 1 11 | 16 35 | 0 38 | 21 41 | 1 27 | 9 54 | 15 57 | 3 15 | 3 43 | 18 14 | 13 57 | 0 46 |
| M30 | 18 7 | 14 30 | 4 31 | 10 35 | 0 24 | 16 27 | 1 20 | 28 6 | 5 10 | 8 43 | 0 53 | 12 25 | 1 11 | 16 34 | 0 38 | 21 41 | 1 27 | 9 54 | 15 57 | 3 12 | 3 42 | 18 14 | 13 57 | 0 46 |
| T 31 | 17n52 | 11n11 | 3s47 | 9n57 | 0n14 | 16n 4 | 1n21 | 28s 6 | 5s10 | 8n38 | 0n53 | 12s27 | 1s11 | 16n33 | 0n38 | 21s41 | 1n27 | 9n53 | 15n57 | 3s 9 | 3s41 | 18s14 | 13n58 | 0s46 |

Julian Day Number = 2803820.5, Delta T = 51m05s
Ecliptic obliquity = 23°18'42, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°14'28, Lahiri = 37°21'29


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# ASTRODIENST EPHEMERIS for the year 2964
# geocentric

## AUGUST 2964 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 41 59 | 10♌ 8'49 | 4♍23 | 6♍ 0 | 21♌ 4 | 9°R42 | 10♍ 6 | 0°R 9 | 16♌ 6 | 23°R13 | 12♎16 | 7°R52 | 9♎17 | 0♑32 | 9♉52 | W 1 |
| T 2 | 20 45 55 | 11° 6'07 | 18°28 | 7°15 | 22°18 | 9♑33 | 10°18 | 0♓ 5 | 16° 9 | 23♐12 | 12°17 | 7♎48 | 9°14 | 0°39 | 9°52 | T 2 |
| F 3 | 20 49 52 | 12° 3'26 | 2♎ 5 | 8°28 | 23°31 | 9°26 | 10°30 | 0° 1 | 16°13 | 23°11 | 12°18 | 7°D47 | 9°11 | 0°46 | 9°53 | F 3 |
| S 4 | 20 53 48 | 13° 0'44 | 15°16 | 9°38 | 24°45 | 9°19 | 10°43 | 29♒57 | 16°17 | 23°10 | 12°20 | 7°47 | 9° 7 | 0°52 | 9°53 | S 4 |
| S 5 | 20 57 45 | 13°58'03 | 28° 2 | 10°45 | 25°59 | 9°13 | 10°55 | 29°53 | 16°21 | 23° 9 | 12°21 | 7°48 | 9° 4 | 0°59 | 9°54 | S 5 |
| M 6 | 21 1 41 | 14°55'22 | 10♏27 | 11°50 | 27°13 | 9° 8 | 11° 7 | 29°48 | 16°24 | 23° 8 | 12°23 | 7°R48 | 9° 1 | 1° 6 | 9°54 | M 6 |
| T 7 | 21 5 38 | 15°52'42 | 22°38 | 12°52 | 28°26 | 9° 4 | 11°20 | 29°44 | 16°28 | 23° 8 | 12°24 | 7°48 | 8°58 | 1°13 | 9°54 | T 7 |
| W 8 | 21 9 35 | 16°50'01 | 4♐37 | 13°51 | 29°40 | 9° 1 | 11°32 | 29°40 | 16°32 | 23° 7 | 12°25 | 7°46 | 8°55 | 1°19 | 9°54 | W 8 |
| T 9 | 21 13 31 | 17°47'21 | 16°31 | 14°48 | 0♏54 | 8°58 | 11°44 | 29°36 | 16°35 | 23° 6 | 12°27 | 7°43 | 8°52 | 1°26 | 9°55 | T 9 |
| F 10 | 21 17 28 | 18°44'42 | 28°23 | 15°41 | 2° 8 | 8°57 | 11°57 | 29°31 | 16°39 | 23° 5 | 12°28 | 7°37 | 8°48 | 1°33 | 9°55 | F 10 |
| S 11 | 21 21 24 | 19°42'02 | 10♑17 | 16°31 | 3°21 | 8°D56 | 12° 9 | 29°27 | 16°43 | 23° 5 | 12°30 | 7°29 | 8°45 | 1°40 | 9°55 | S 11 |
| S 12 | 21 25 21 | 20°39'24 | 22°15 | 17°17 | 4°35 | 8°56 | 12°22 | 29°22 | 16°46 | 23° 4 | 12°31 | 7°21 | 8°42 | 1°46 | 9°R55 | S 12 |
| M13 | 21 29 17 | 21°36'46 | 4♒22 | 18° 1 | 5°49 | 8°57 | 12°35 | 29°18 | 16°50 | 23° 3 | 12°33 | 7°13 | 8°39 | 1°53 | 9°55 | M13 |
| T 14 | 21 33 14 | 22°34'08 | 16°37 | 18°40 | 7° 3 | 8°59 | 12°47 | 29°14 | 16°54 | 23° 3 | 12°35 | 7° 5 | 8°36 | 2° 0 | 9°55 | T 14 |
| W15 | 21 37 10 | 23°31'31 | 29° 2 | 19°16 | 8°16 | 9° 2 | 13° 0 | 29° 9 | 16°57 | 23° 2 | 12°36 | 6°58 | 8°32 | 2° 6 | 9°55 | W15 |
| T 16 | 21 41 7 | 24°28'55 | 11♓37 | 19°47 | 9°30 | 9° 5 | 13°12 | 29° 5 | 17° 1 | 23° 1 | 12°38 | 6°54 | 8°29 | 2°13 | 9°54 | T 16 |
| F 17 | 21 45 4 | 25°26'20 | 24°24 | 20°15 | 10°44 | 9° 9 | 13°25 | 29° 0 | 17° 5 | 23° 1 | 12°39 | 6°51 | 8°26 | 2°20 | 9°54 | F 17 |
| S 18 | 21 49 0 | 26°23'45 | 7♈22 | 20°38 | 11°57 | 9°14 | 13°38 | 28°56 | 17° 8 | 23° 0 | 12°41 | 6°D50 | 8°23 | 2°27 | 9°54 | S 18 |
| S 19 | 21 52 57 | 27°21'12 | 20°33 | 20°56 | 13°11 | 9°20 | 13°51 | 28°51 | 17°12 | 23° 0 | 12°43 | 6°51 | 8°20 | 2°33 | 9°54 | S 19 |
| M20 | 21 56 53 | 28°18'40 | 3♉58 | 21°10 | 14°25 | 9°27 | 14° 3 | 28°47 | 17°16 | 22°59 | 12°45 | 6°52 | 8°17 | 2°40 | 9°53 | M20 |
| T 21 | 22 0 50 | 29°16'09 | 17°38 | 21°19 | 15°38 | 9°34 | 14°16 | 28°42 | 17°19 | 22°59 | 12°46 | 6°54 | 8°13 | 2°47 | 9°53 | T 21 |
| W22 | 22 4 46 | 0♏13'40 | 1♊34 | 21°R22 | 16°52 | 9°43 | 14°29 | 28°38 | 17°23 | 22°59 | 12°48 | 6°R54 | 8°10 | 2°53 | 9°52 | W22 |
| T 23 | 22 8 43 | 1°11'12 | 15°44 | 21°21 | 18° 6 | 9°52 | 14°42 | 28°33 | 17°26 | 22°58 | 12°50 | 6°53 | 8° 7 | 3° 0 | 9°52 | T 23 |
| F 24 | 22 12 39 | 2° 8'45 | 0♋ 8 | 21°14 | 19°20 | 10° 1 | 14°55 | 28°29 | 17°30 | 22°58 | 12°52 | 6°51 | 8° 4 | 3° 7 | 9°51 | F 24 |
| S 25 | 22 16 36 | 3° 6'19 | 14°41 | 21° 2 | 20°33 | 10°12 | 15° 8 | 28°24 | 17°34 | 22°58 | 12°53 | 6°47 | 8° 1 | 3°14 | 9°50 | S 25 |
| S 26 | 22 20 32 | 4° 3'55 | 29°20 | 20°44 | 21°47 | 10°23 | 15°21 | 28°20 | 17°37 | 22°57 | 12°55 | 6°43 | 7°57 | 3°20 | 9°50 | S 26 |
| M27 | 22 24 29 | 5° 1'32 | 13♌57 | 20°21 | 23° 1 | 10°35 | 15°34 | 28°15 | 17°41 | 22°57 | 12°57 | 6°38 | 7°54 | 3°27 | 9°49 | M27 |
| T 28 | 22 28 26 | 5°59'10 | 28°26 | 19°53 | 24°14 | 10°48 | 15°47 | 28°11 | 17°44 | 22°57 | 12°59 | 6°34 | 7°51 | 3°34 | 9°48 | T 28 |
| W29 | 22 32 22 | 6°56'49 | 12♍40 | 19°19 | 25°28 | 11° 1 | 16° 0 | 28° 7 | 17°48 | 22°57 | 13° 1 | 6°31 | 7°48 | 3°41 | 9°47 | W29 |
| T 30 | 22 36 19 | 7°54'29 | 26°35 | 18°41 | 26°42 | 11°15 | 16°13 | 28° 2 | 17°51 | 22°56 | 13° 3 | 6°29 | 7°45 | 3°47 | 9°46 | T 30 |
| F 31 | 22 40 15 | 8♍52'11 | 10♎ 7 | 17♍59 | 27♍55 | 11♑30 | 16♍26 | 27♒58 | 17♌55 | 22♐56 | 13♎ 5 | 6°D29 | 7♎42 | 3♑54 | 9♉45 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n36 | 7n14 | 2s49 | 9n20 | 0n 4 | 15n42 | 1n22 | 28s 7 | 5s10 | 8n34 | 0n53 | 12s29 | 1s12 | 16n32 | 0n38 | 21s41 | 1n27 | 9n52 | 15n56 | 3s 6 | 3s40 | 18s13 | 13n58 | 0s46 |
| T 2 | 17 21 | 2 59 | 1 42 | 8 43 | 0s 6 | 15 19 | 1 23 | 28 7 | 5 10 | 8 29 | 0 53 | 12 30 | 1 12 | 16 30 | 0 38 | 21 41 | 1 27 | 9 51 | 15 56 | 3 5 | 3 38 | 18 13 | 13 58 | 0 46 |
| F 3 | 17 5 | 1s18 | 0 30 | 8 6 | 0 16 | 14 56 | 1 24 | 28 7 | 5 10 | 8 25 | 0 53 | 12 32 | 1 12 | 16 29 | 0 38 | 21 41 | 1 27 | 9 50 | 15 55 | 3 4 | 3 37 | 18 13 | 13 58 | 0 47 |
| S 4 | 16 49 | 5 22 | 0n40 | 7 30 | 0 27 | 14 32 | 1 25 | 28 7 | 5 9 | 8 20 | 0 53 | 12 33 | 1 12 | 16 28 | 0 38 | 21 41 | 1 27 | 9 49 | 15 55 | 3 4 | 3 36 | 18 13 | 13 58 | 0 47 |
| S 5 | 16 33 | 9 3 | 1 47 | 6 54 | 0 38 | 14 8 | 1 25 | 28 7 | 5 8 | 8 15 | 0 53 | 12 35 | 1 12 | 16 27 | 0 38 | 21 41 | 1 27 | 9 48 | 15 55 | 3 5 | 3 35 | 18 13 | 13 58 | 0 47 |
| M 6 | 16 16 | 12 15 | 2 46 | 6 19 | 0 49 | 13 43 | 1 26 | 28 7 | 5 8 | 8 11 | 0 53 | 12 36 | 1 12 | 16 26 | 0 38 | 21 41 | 1 27 | 9 48 | 15 54 | 3 5 | 3 33 | 18 13 | 13 58 | 0 47 |
| T 7 | 16 0 | 14 50 | 3 37 | 5 45 | 1 1 | 13 18 | 1 27 | 28 7 | 5 7 | 8 6 | 0 53 | 12 38 | 1 12 | 16 25 | 0 38 | 21 41 | 1 27 | 9 47 | 15 54 | 3 5 | 3 32 | 18 12 | 13 58 | 0 47 |
| W 8 | 15 42 | 16 43 | 4 18 | 5 12 | 1 13 | 12 53 | 1 27 | 28 6 | 5 6 | 8 1 | 0 53 | 12 40 | 1 12 | 16 24 | 0 38 | 21 41 | 1 27 | 9 46 | 15 53 | 3 4 | 3 31 | 18 12 | 13 58 | 0 47 |
| T 9 | 15 25 | 17 53 | 4 47 | 4 39 | 1 25 | 12 28 | 1 28 | 28 5 | 5 5 | 7 56 | 0 53 | 12 41 | 1 13 | 16 23 | 0 38 | 21 41 | 1 27 | 9 45 | 15 53 | 3 3 | 3 30 | 18 12 | 13 58 | 0 47 |
| F 10 | 15 8 | 18 15 | 5 3 | 4 8 | 1 37 | 12 2 | 1 28 | 28 4 | 5 4 | 7 52 | 0 53 | 12 43 | 1 13 | 16 22 | 0 38 | 21 41 | 1 27 | 9 44 | 15 53 | 3 0 | 3 28 | 18 12 | 13 58 | 0 47 |
| S 11 | 14 50 | 17 49 | 5 7 | 3 37 | 1 49 | 11 36 | 1 28 | 28 3 | 5 3 | 7 47 | 0 53 | 12 44 | 1 13 | 16 21 | 0 38 | 21 41 | 1 27 | 9 43 | 15 52 | 2 57 | 3 27 | 18 12 | 13 57 | 0 47 |
| S 12 | 14 32 | 16 36 | 4 57 | 3 8 | 2 1 | 11 9 | 1 28 | 28 2 | 5 2 | 7 42 | 0 53 | 12 46 | 1 13 | 16 19 | 0 38 | 21 41 | 1 27 | 9 42 | 15 52 | 2 54 | 3 26 | 18 12 | 13 57 | 0 48 |
| M13 | 14 14 | 14 38 | 4 34 | 2 40 | 2 14 | 10 42 | 1 29 | 28 1 | 5 1 | 7 37 | 0 53 | 12 48 | 1 13 | 16 18 | 0 38 | 21 41 | 1 27 | 9 41 | 15 52 | 2 51 | 3 25 | 18 11 | 13 57 | 0 48 |
| T 14 | 13 55 | 11 59 | 3 58 | 2 13 | 2 26 | 10 15 | 1 29 | 27 59 | 5 0 | 7 33 | 0 53 | 12 49 | 1 13 | 16 17 | 0 38 | 21 41 | 1 27 | 9 40 | 15 51 | 2 48 | 3 23 | 18 11 | 13 57 | 0 48 |
| W15 | 13 36 | 8 47 | 3 10 | 1 48 | 2 38 | 9 48 | 1 29 | 27 58 | 4 58 | 7 28 | 0 53 | 12 51 | 1 13 | 16 16 | 0 38 | 21 41 | 1 27 | 9 39 | 15 51 | 2 45 | 3 22 | 18 11 | 13 57 | 0 48 |
| T 16 | 13 18 | 5 8 | 2 12 | 1 24 | 2 50 | 9 20 | 1 29 | 27 56 | 4 57 | 7 23 | 0 53 | 12 53 | 1 13 | 16 15 | 0 38 | 21 41 | 1 27 | 9 38 | 15 51 | 2 43 | 3 21 | 18 11 | 13 57 | 0 48 |
| F 17 | 12 58 | 1 11 | 1 7 | 1 3 | 3 3 | 8 52 | 1 29 | 27 55 | 4 56 | 7 18 | 0 53 | 12 54 | 1 13 | 16 14 | 0 38 | 21 41 | 1 27 | 9 38 | 15 50 | 2 42 | 3 20 | 18 11 | 13 57 | 0 48 |
| S 18 | 12 39 | 2n52 | 0s 3 | 0 43 | 3 15 | 8 24 | 1 28 | 27 53 | 4 54 | 7 13 | 0 53 | 12 56 | 1 13 | 16 13 | 0 38 | 21 41 | 1 27 | 9 37 | 15 50 | 2 42 | 3 18 | 18 10 | 13 56 | 0 48 |
| S 19 | 12 20 | 6 51 | 1 14 | 0 25 | 3 26 | 7 56 | 1 28 | 27 51 | 4 52 | 7 8 | 0 53 | 12 58 | 1 13 | 16 12 | 0 38 | 21 41 | 1 27 | 9 36 | 15 50 | 2 42 | 3 17 | 18 10 | 13 56 | 0 48 |
| M20 | 12 0 | 10 33 | 2 22 | 0 9 | 3 37 | 7 27 | 1 28 | 27 49 | 4 51 | 7 3 | 0 53 | 12 59 | 1 14 | 16 11 | 0 38 | 21 41 | 1 26 | 9 35 | 15 49 | 2 43 | 3 16 | 18 10 | 13 56 | 0 49 |
| T 21 | 11 40 | 13 44 | 3 24 | 0s 5 | 3 48 | 6 59 | 1 27 | 27 47 | 4 49 | 6 59 | 0 53 | 13 1 | 1 14 | 16 10 | 0 38 | 21 41 | 1 26 | 9 34 | 15 49 | 2 43 | 3 15 | 18 10 | 13 56 | 0 49 |
| W22 | 11 20 | 16 12 | 4 14 | 0 16 | 3 59 | 6 30 | 1 27 | 27 44 | 4 48 | 6 54 | 0 53 | 13 2 | 1 14 | 16 9 | 0 38 | 21 41 | 1 26 | 9 33 | 15 49 | 2 44 | 3 13 | 18 9 | 13 55 | 0 49 |
| T 23 | 11 0 | 17 44 | 4 51 | 0 24 | 4 9 | 6 1 | 1 27 | 27 42 | 4 46 | 6 49 | 0 53 | 13 4 | 1 14 | 16 7 | 0 38 | 21 41 | 1 26 | 9 32 | 15 48 | 2 43 | 3 12 | 18 9 | 13 55 | 0 49 |
| F 24 | 10 39 | 18 9 | 5 9 | 0 30 | 4 18 | 5 31 | 1 26 | 27 39 | 4 44 | 6 44 | 0 53 | 13 6 | 1 14 | 16 6 | 0 38 | 21 41 | 1 26 | 9 31 | 15 48 | 2 42 | 3 11 | 18 9 | 13 55 | 0 49 |
| S 25 | 10 19 | 17 24 | 5 9 | 0 32 | 4 26 | 5 2 | 1 25 | 27 37 | 4 42 | 6 39 | 0 53 | 13 7 | 1 14 | 16 5 | 0 38 | 21 41 | 1 26 | 9 30 | 15 48 | 2 41 | 3 10 | 18 9 | 13 54 | 0 49 |
| S 26 | 9 58 | 15 29 | 4 48 | 0 32 | 4 33 | 4 32 | 1 25 | 27 34 | 4 41 | 6 34 | 0 53 | 13 9 | 1 14 | 16 4 | 0 38 | 21 41 | 1 26 | 9 29 | 15 48 | 2 39 | 3 8 | 18 9 | 13 54 | 0 49 |
| M27 | 9 37 | 12 35 | 4 8 | 0 29 | 4 39 | 4 3 | 1 24 | 27 31 | 4 39 | 6 29 | 0 53 | 13 10 | 1 14 | 16 3 | 0 38 | 21 42 | 1 26 | 9 28 | 15 47 | 2 37 | 3 7 | 18 8 | 13 54 | 0 49 |
| T 28 | 9 16 | 8 56 | 3 13 | 0 22 | 4 44 | 3 33 | 1 23 | 27 28 | 4 37 | 6 24 | 0 53 | 13 12 | 1 14 | 16 2 | 0 38 | 21 42 | 1 26 | 9 27 | 15 47 | 2 36 | 3 6 | 18 8 | 13 53 | 0 50 |
| W29 | 8 55 | 4 49 | 2 7 | 0 12 | 4 47 | 3 3 | 1 22 | 27 25 | 4 35 | 6 19 | 0 53 | 13 14 | 1 14 | 16 1 | 0 38 | 21 42 | 1 26 | 9 26 | 15 47 | 2 34 | 3 5 | 18 8 | 13 53 | 0 50 |
| T 30 | 8 34 | 0 32 | 0 54 | 0n 1 | 4 49 | 2 33 | 1 21 | 27 22 | 4 33 | 6 14 | 0 53 | 13 15 | 1 14 | 16 0 | 0 38 | 21 42 | 1 26 | 9 25 | 15 47 | 2 34 | 3 3 | 18 8 | 13 53 | 0 50 |
| F 31 | 8n12 | 3s41 | 0n20 | 0n17 | 4s49 | 2n 3 | 1n20 | 27s19 | 4s31 | 6n 9 | 0n53 | 13s17 | 1s14 | 15n59 | 0n38 | 21s42 | 1n26 | 9n24 | 15n46 | 2s34 | 3s 2 | 18s 7 | 13n52 | 0s50 |

Julian Day Number = 2803851.5, Delta T = 51m06s
Ecliptic obliquity = 23°18'42, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°14'33, Lahiri = 37°21'33


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# ASTRODIENST EPHEMERIS for the year 2964
# geocentric

## SEPTEMBER 2964 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 44 12 | 9♍49'53 | 23♎16 | 17°R13 | 29♍ 9 | 11♉46 | 16♍39 | 27°R53 | 17♌58 | 22°R56 | 13♎ 7 | 6♎30 | 7♎38 | 4♉ 1 | 9°R44 | S 1 |
| S 2 | 22 48 8 | 10°47'37 | 6♏ 3 | 16♍25 | 0♎22 | 12° 2 | 16°52 | 27♒49 | 18° 2 | 22♐56 | 13° 9 | 6°31 | 7°35 | 4° 7 | 9♋43 | S 2 |
| M 3 | 22 52 5 | 11°45'22 | 18°31 | 15°34 | 1°36 | 12°19 | 17° 5 | 27°45 | 18° 5 | 22°D56 | 13°11 | 6°33 | 7°32 | 4°14 | 9°42 | M 3 |
| T 4 | 22 56 1 | 12°43'07 | 0♐44 | 14°42 | 2°50 | 12°36 | 17°18 | 27°41 | 18° 9 | 22°56 | 13°13 | 6°34 | 7°29 | 4°21 | 9°41 | T 4 |
| W 5 | 22 59 58 | 13°40'54 | 12°45 | 13°49 | 4° 3 | 12°54 | 17°31 | 27°36 | 18°12 | 22°56 | 13°15 | 6°R35 | 7°26 | 4°28 | 9°40 | W 5 |
| T 6 | 23 3 55 | 14°38'42 | 24°40 | 12°58 | 5°17 | 13°13 | 17°44 | 27°32 | 18°16 | 22°56 | 13°17 | 6°34 | 7°23 | 4°34 | 9°38 | T 6 |
| F 7 | 23 7 51 | 15°36'31 | 6♑33 | 12° 8 | 6°30 | 13°32 | 17°57 | 27°28 | 18°19 | 22°56 | 13°19 | 6°33 | 7°19 | 4°41 | 9°37 | F 7 |
| S 8 | 23 11 48 | 16°34'21 | 18°29 | 11°21 | 7°44 | 13°52 | 18°10 | 27°24 | 18°22 | 22°57 | 13°21 | 6°31 | 7°16 | 4°48 | 9°36 | S 8 |
| S 9 | 23 15 44 | 17°32'12 | 0♒31 | 10°38 | 8°58 | 14°13 | 18°23 | 27°20 | 18°26 | 22°57 | 13°23 | 6°28 | 7°13 | 4°54 | 9°34 | S 9 |
| M10 | 23 19 41 | 18°30'05 | 12°43 | 10° 0 | 10°11 | 14°34 | 18°36 | 27°16 | 18°29 | 22°57 | 13°25 | 6°25 | 7°10 | 5° 1 | 9°33 | M10 |
| T 11 | 23 23 37 | 19°27'59 | 25° 7 | 9°28 | 11°25 | 14°55 | 18°49 | 27°12 | 18°32 | 22°57 | 13°27 | 6°23 | 7° 7 | 5° 8 | 9°31 | T 11 |
| W12 | 23 27 34 | 20°25'54 | 7♓45 | 9° 2 | 12°38 | 15°18 | 19° 2 | 27° 8 | 18°36 | 22°57 | 13°29 | 6°21 | 7° 3 | 5°15 | 9°30 | W12 |
| T 13 | 23 31 30 | 21°23'50 | 20°38 | 8°44 | 13°52 | 15°40 | 19°15 | 27° 4 | 18°39 | 22°58 | 13°31 | 6°19 | 7° 0 | 5°21 | 9°28 | T 13 |
| F 14 | 23 35 27 | 22°21'48 | 3♈46 | 8°33 | 15° 5 | 16° 3 | 19°28 | 27° 0 | 18°42 | 22°58 | 13°33 | 6°D19 | 6°57 | 5°28 | 9°26 | F 14 |
| S 15 | 23 39 24 | 23°19'48 | 17° 8 | 8°D31 | 16°19 | 16°27 | 19°41 | 26°56 | 18°45 | 22°58 | 13°36 | 6°19 | 6°54 | 5°35 | 9°25 | S 15 |
| S 16 | 23 43 20 | 24°17'49 | 0♉42 | 8°37 | 17°32 | 16°51 | 19°54 | 26°53 | 18°48 | 22°59 | 13°38 | 6°20 | 6°51 | 5°42 | 9°23 | S 16 |
| M17 | 23 47 17 | 25°15'52 | 14°29 | 8°51 | 18°46 | 17°16 | 20° 7 | 26°49 | 18°52 | 22°59 | 13°40 | 6°21 | 6°48 | 5°48 | 9°21 | M17 |
| T 18 | 23 51 13 | 26°13'57 | 28°25 | 9°14 | 19°59 | 17°41 | 20°20 | 26°45 | 18°55 | 23° 0 | 13°42 | 6°21 | 6°44 | 5°55 | 9°19 | T 18 |
| W19 | 23 55 10 | 27°12'04 | 12♊29 | 9°45 | 21°12 | 18° 7 | 20°33 | 26°42 | 18°58 | 23° 0 | 13°44 | 6°22 | 6°41 | 6° 2 | 9°18 | W19 |
| T 20 | 23 59 6 | 28°10'13 | 26°40 | 10°24 | 22°26 | 18°33 | 20°46 | 26°38 | 19° 1 | 23° 1 | 13°46 | 6°R22 | 6°38 | 6° 8 | 9°16 | T 20 |
| F 21 | 0 3 3 | 29° 8'24 | 10♋54 | 11°12 | 23°39 | 18°59 | 20°59 | 26°35 | 19° 4 | 23° 1 | 13°49 | 6°22 | 6°35 | 6°15 | 9°14 | F 21 |
| S 22 | 0 6 59 | 0♎ 6'37 | 25°10 | 12° 7 | 24°53 | 19°26 | 21°12 | 26°31 | 19° 7 | 23° 2 | 13°51 | 6°22 | 6°32 | 6°22 | 9°12 | S 22 |
| S 23 | 0 10 56 | 1° 4'52 | 9♌24 | 13° 9 | 26° 6 | 19°53 | 21°25 | 26°28 | 19°10 | 23° 3 | 13°53 | 6°21 | 6°29 | 6°29 | 9°10 | S 23 |
| M24 | 0 14 52 | 2° 3'08 | 23°34 | 14°19 | 27°19 | 20°21 | 21°38 | 26°25 | 19°13 | 23° 3 | 13°55 | 6°21 | 6°25 | 6°35 | 9° 8 | M24 |
| T 25 | 0 18 49 | 3° 1'27 | 7♍35 | 15°34 | 28°33 | 20°49 | 21°51 | 26°22 | 19°16 | 23° 4 | 13°58 | 6°20 | 6°22 | 6°42 | 9° 6 | T 25 |
| W26 | 0 22 46 | 3°59'47 | 21°24 | 16°56 | 29°46 | 21°18 | 22° 4 | 26°19 | 19°19 | 23° 5 | 14° 0 | 6°20 | 6°19 | 6°49 | 9° 3 | W26 |
| T 27 | 0 26 42 | 4°58'10 | 4♎58 | 18°22 | 0♏59 | 21°47 | 22°17 | 26°16 | 19°21 | 23° 5 | 14° 2 | 6°D20 | 6°16 | 6°55 | 9° 1 | T 27 |
| F 28 | 0 30 39 | 5°56'34 | 18°16 | 19°53 | 2°13 | 22°16 | 22°30 | 26°13 | 19°24 | 23° 6 | 14° 4 | 6°R20 | 6°13 | 7° 2 | 8°59 | F 28 |
| S 29 | 0 34 35 | 6°54'59 | 1♏16 | 21°29 | 3°26 | 22°46 | 22°43 | 26°10 | 19°27 | 23° 7 | 14° 6 | 6°20 | 6° 9 | 7° 9 | 8°57 | S 29 |
| S 30 | 0 38 32 | 7♎53'27 | 13♏59 | 23♍ 8 | 4♏39 | 23♉16 | 22♍56 | 26♒ 7 | 19♌30 | 23♐ 8 | 14♎ 9 | 6♎20 | 6♎ 6 | 7♉16 | 8♋55 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n51 | 7s35 | 1n31 | 0n36 | 4s48 | 1n33 | 1n19 | 27s16 | 4s29 | 6n 4 | 0n53 | 13s18 | 1s14 | 15n58 | 0n38 | 21s42 | 1n26 | 9n23 | 15n46 | 2s34 | 3s 1 | 18s 7 | 13n52 | 0s50 |
| S 2 | 7 29 | 11 1 | 2 35 | 0 58 | 4 44 | 1 2 | 1 18 | 27 12 | 4 27 | 5 59 | 0 53 | 13 20 | 1 14 | 15 57 | 0 38 | 21 42 | 1 26 | 9 22 | 15 46 | 2 35 | 3 0 | 18 7 | 13 51 | 0 50 |
| M 3 | 7 7 | 13 52 | 3 31 | 1 22 | 4 39 | 0 32 | 1 16 | 27 9 | 4 25 | 5 54 | 0 53 | 13 21 | 1 14 | 15 56 | 0 38 | 21 42 | 1 26 | 9 22 | 15 46 | 2 35 | 2 58 | 18 7 | 13 51 | 0 50 |
| T 4 | 6 45 | 16 2 | 4 15 | 1 49 | 4 32 | 0 2 | 1 15 | 27 5 | 4 23 | 5 49 | 0 54 | 13 23 | 1 14 | 15 55 | 0 38 | 21 42 | 1 26 | 9 21 | 15 45 | 2 36 | 2 57 | 18 6 | 13 50 | 0 50 |
| W 5 | 6 23 | 17 27 | 4 48 | 2 17 | 4 23 | 0s28 | 1 14 | 27 1 | 4 21 | 5 44 | 0 54 | 13 24 | 1 14 | 15 54 | 0 38 | 21 42 | 1 26 | 9 20 | 15 45 | 2 36 | 2 56 | 18 6 | 13 50 | 0 50 |
| T 6 | 6 1 | 18 5 | 5 8 | 2 47 | 4 12 | 0 59 | 1 12 | 26 57 | 4 19 | 5 39 | 0 54 | 13 26 | 1 15 | 15 53 | 0 38 | 21 42 | 1 26 | 9 19 | 15 45 | 2 36 | 2 55 | 18 6 | 13 49 | 0 51 |
| F 7 | 5 39 | 17 55 | 5 15 | 3 17 | 3 59 | 1 29 | 1 11 | 26 53 | 4 17 | 5 34 | 0 54 | 13 27 | 1 15 | 15 52 | 0 38 | 21 42 | 1 26 | 9 18 | 15 45 | 2 35 | 2 53 | 18 6 | 13 49 | 0 51 |
| S 8 | 5 16 | 16 57 | 5 8 | 3 48 | 3 45 | 1 59 | 1 9 | 26 49 | 4 15 | 5 29 | 0 54 | 13 29 | 1 15 | 15 51 | 0 38 | 21 42 | 1 25 | 9 17 | 15 45 | 2 34 | 2 52 | 18 5 | 13 48 | 0 51 |
| S 9 | 4 54 | 15 15 | 4 48 | 4 18 | 3 30 | 2 30 | 1 8 | 26 45 | 4 13 | 5 24 | 0 54 | 13 30 | 1 15 | 15 50 | 0 38 | 21 42 | 1 25 | 9 16 | 15 44 | 2 33 | 2 51 | 18 5 | 13 48 | 0 51 |
| M10 | 4 31 | 12 50 | 4 14 | 4 47 | 3 13 | 3 0 | 1 6 | 26 41 | 4 11 | 5 19 | 0 54 | 13 32 | 1 15 | 15 49 | 0 38 | 21 42 | 1 25 | 9 15 | 15 44 | 2 32 | 2 50 | 18 5 | 13 47 | 0 51 |
| T 11 | 4 9 | 9 48 | 3 28 | 5 16 | 2 56 | 3 30 | 1 4 | 26 36 | 4 9 | 5 14 | 0 54 | 13 33 | 1 15 | 15 48 | 0 38 | 21 42 | 1 25 | 9 14 | 15 44 | 2 31 | 2 48 | 18 4 | 13 47 | 0 51 |
| W12 | 3 46 | 6 16 | 2 31 | 5 42 | 2 38 | 4 0 | 1 2 | 26 32 | 4 7 | 5 9 | 0 54 | 13 34 | 1 15 | 15 47 | 0 38 | 21 42 | 1 25 | 9 13 | 15 44 | 2 30 | 2 47 | 18 4 | 13 46 | 0 51 |
| T 13 | 3 24 | 2 23 | 1 26 | 6 6 | 2 19 | 4 31 | 1 1 | 26 27 | 4 5 | 5 4 | 0 54 | 13 36 | 1 15 | 15 46 | 0 38 | 21 42 | 1 25 | 9 12 | 15 44 | 2 30 | 2 46 | 18 4 | 13 45 | 0 51 |
| F 14 | 3 1 | 1n42 | 0 14 | 6 28 | 2 0 | 5 1 | 0 59 | 26 22 | 4 3 | 4 59 | 0 54 | 13 37 | 1 15 | 15 45 | 0 38 | 21 43 | 1 25 | 9 11 | 15 44 | 2 30 | 2 45 | 18 4 | 13 45 | 0 52 |
| S 15 | 2 38 | 5 47 | 1s 0 | 6 46 | 1 41 | 5 31 | 0 57 | 26 17 | 4 0 | 4 53 | 0 54 | 13 38 | 1 15 | 15 44 | 0 38 | 21 43 | 1 25 | 9 10 | 15 44 | 2 30 | 2 43 | 18 3 | 13 44 | 0 52 |
| S 16 | 2 15 | 9 37 | 2 11 | 7 2 | 1 22 | 6 0 | 0 55 | 26 12 | 3 58 | 4 48 | 0 54 | 13 40 | 1 15 | 15 43 | 0 38 | 21 43 | 1 25 | 9 9 | 15 43 | 2 30 | 2 42 | 18 3 | 13 43 | 0 52 |
| M17 | 1 52 | 12 58 | 3 16 | 7 14 | 1 3 | 6 30 | 0 53 | 26 7 | 3 56 | 4 43 | 0 54 | 13 41 | 1 15 | 15 42 | 0 38 | 21 43 | 1 25 | 9 8 | 15 43 | 2 30 | 2 41 | 18 3 | 13 43 | 0 52 |
| T 18 | 1 29 | 15 38 | 4 10 | 7 22 | 0 45 | 7 0 | 0 50 | 26 1 | 3 54 | 4 38 | 0 54 | 13 42 | 1 15 | 15 41 | 0 38 | 21 43 | 1 25 | 9 7 | 15 43 | 2 31 | 2 40 | 18 2 | 13 42 | 0 52 |
| W19 | 1 6 | 17 23 | 4 50 | 7 26 | 0 28 | 7 29 | 0 48 | 25 56 | 3 52 | 4 33 | 0 54 | 13 43 | 1 15 | 15 40 | 0 38 | 21 43 | 1 25 | 9 7 | 15 43 | 2 31 | 2 38 | 18 2 | 13 41 | 0 52 |
| T 20 | 0 43 | 18 4 | 5 12 | 7 27 | 0 11 | 7 58 | 0 46 | 25 50 | 3 50 | 4 28 | 0 54 | 13 45 | 1 15 | 15 39 | 0 38 | 21 43 | 1 25 | 9 6 | 15 43 | 2 31 | 2 37 | 18 2 | 13 41 | 0 52 |
| F 21 | 0 20 | 17 37 | 5 16 | 7 24 | 0n 4 | 8 28 | 0 44 | 25 44 | 3 48 | 4 23 | 0 54 | 13 46 | 1 15 | 15 38 | 0 38 | 21 43 | 1 25 | 9 5 | 15 43 | 2 31 | 2 36 | 18 2 | 13 40 | 0 52 |
| S 22 | 0s 3 | 16 4 | 5 0 | 7 16 | 0 19 | 8 56 | 0 41 | 25 38 | 3 46 | 4 18 | 0 54 | 13 47 | 1 15 | 15 37 | 0 38 | 21 43 | 1 25 | 9 4 | 15 43 | 2 31 | 2 35 | 18 1 | 13 39 | 0 52 |
| S 23 | 0 26 | 13 32 | 4 26 | 7 5 | 0 33 | 9 25 | 0 39 | 25 32 | 3 44 | 4 13 | 0 55 | 13 48 | 1 15 | 15 36 | 0 38 | 21 43 | 1 25 | 9 3 | 15 43 | 2 31 | 2 33 | 18 1 | 13 39 | 0 53 |
| M24 | 0 49 | 10 12 | 3 36 | 6 50 | 0 45 | 9 54 | 0 37 | 25 26 | 3 41 | 4 8 | 0 55 | 13 49 | 1 15 | 15 35 | 0 38 | 21 43 | 1 25 | 9 2 | 15 43 | 2 30 | 2 32 | 18 1 | 13 38 | 0 53 |
| T 25 | 1 12 | 6 19 | 2 33 | 6 32 | 0 57 | 10 22 | 0 34 | 25 19 | 3 39 | 4 3 | 0 55 | 13 50 | 1 15 | 15 35 | 0 38 | 21 43 | 1 25 | 9 1 | 15 43 | 2 30 | 2 31 | 18 0 | 13 37 | 0 53 |
| W26 | 1 35 | 2 8 | 1 22 | 6 10 | 1 7 | 10 50 | 0 32 | 25 13 | 3 37 | 3 58 | 0 55 | 13 51 | 1 15 | 15 34 | 0 38 | 21 44 | 1 25 | 9 0 | 15 43 | 2 30 | 2 30 | 18 0 | 13 36 | 0 53 |
| T 27 | 1 58 | 2s 5 | 0 8 | 5 45 | 1 16 | 11 18 | 0 29 | 25 6 | 3 35 | 3 53 | 0 55 | 13 52 | 1 15 | 15 33 | 0 39 | 21 44 | 1 24 | 8 59 | 15 42 | 2 30 | 2 28 | 18 0 | 13 35 | 0 53 |
| F 28 | 2 21 | 6 7 | 1n 6 | 5 17 | 1 24 | 11 46 | 0 26 | 24 59 | 3 33 | 3 48 | 0 55 | 13 53 | 1 15 | 15 32 | 0 39 | 21 44 | 1 24 | 8 59 | 15 42 | 2 30 | 2 27 | 17 59 | 13 35 | 0 53 |
| S 29 | 2 44 | 9 45 | 2 14 | 4 46 | 1 31 | 12 13 | 0 24 | 24 52 | 3 31 | 3 43 | 0 55 | 13 54 | 1 15 | 15 31 | 0 39 | 21 44 | 1 24 | 8 58 | 15 42 | 2 30 | 2 26 | 17 59 | 13 34 | 0 53 |
| S 30 | 3s 7 | 12s52 | 3n14 | 4n12 | 1n37 | 12s40 | 0n21 | 24s45 | 3s29 | 3n38 | 0n55 | 13s55 | 1s15 | 15n30 | 0n39 | 21s44 | 1n24 | 8n57 | 15n42 | 2s30 | 2s25 | 17s59 | 13n33 | 0s53 |

Julian Day Number = 2803882.5, Delta T = 51m06s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°14'37, Lahiri = 37°21'37


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# ASTRODIENST EPHEMERIS for the year 2964
# geocentric

## OCTOBER 2964 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 0 42 28 | 8♎51'56 | 26♏25 | 24♍49 | 5♏53 | 23♑47 | 23♍ 8 | 26°R 4 | 19♌32 | 23♐ 9 | 14♎11 | 6°R20 | 6♎ 3 | 7♑22 | 8°R52 | M 1 |
| T 2 | 0 46 25 | 9°50'27 | 8♐37 | 26°34 | 7° 6 | 24°18 | 23°21 | 26♒ 2 | 19°35 | 23°10 | 14°13 | 6♎19 | 6° 0 | 7°29 | 8♉50 | T 2 |
| W 3 | 0 50 21 | 10°48'59 | 20°39 | 28°20 | 8°19 | 24°49 | 23°34 | 25°59 | 19°38 | 23°11 | 14°16 | 6°19 | 5°57 | 7°36 | 8°48 | W 3 |
| T 4 | 0 54 18 | 11°47'33 | 2♑34 | 0♎ 8 | 9°33 | 25°20 | 23°47 | 25°57 | 19°40 | 23°12 | 14°18 | 6°19 | 5°54 | 7°43 | 8°45 | T 4 |
| F 5 | 0 58 15 | 12°46'09 | 14°27 | 1°57 | 10°46 | 25°52 | 23°59 | 25°54 | 19°43 | 23°13 | 14°20 | 6°D18 | 5°50 | 7°49 | 8°43 | F 5 |
| S 6 | 1 2 11 | 13°44'46 | 26°23 | 3°47 | 11°59 | 26°24 | 24°12 | 25°52 | 19°45 | 23°14 | 14°22 | 6°19 | 5°47 | 7°56 | 8°40 | S 6 |
| S 7 | 1 6 8 | 14°43'25 | 8♒25 | 5°37 | 13°12 | 26°57 | 24°25 | 25°50 | 19°48 | 23°15 | 14°25 | 6°19 | 5°44 | 8° 3 | 8°38 | S 7 |
| M 8 | 1 10 4 | 15°42'06 | 20°39 | 7°28 | 14°25 | 27°30 | 24°37 | 25°48 | 19°50 | 23°16 | 14°27 | 6°20 | 5°41 | 8° 9 | 8°35 | M 8 |
| T 9 | 1 14 1 | 16°40'48 | 3♓ 8 | 9°18 | 15°38 | 28° 3 | 24°50 | 25°46 | 19°53 | 23°17 | 14°29 | 6°21 | 5°38 | 8°16 | 8°33 | T 9 |
| W10 | 1 17 57 | 17°39'32 | 15°56 | 11° 9 | 16°52 | 28°36 | 25° 2 | 25°44 | 19°55 | 23°18 | 14°31 | 6°22 | 5°34 | 8°23 | 8°30 | W10 |
| T 11 | 1 21 54 | 18°38'17 | 29° 3 | 12°59 | 18° 5 | 29°10 | 25°15 | 25°42 | 19°57 | 23°19 | 14°34 | 6°23 | 5°31 | 8°30 | 8°28 | T 11 |
| F 12 | 1 25 50 | 19°37'05 | 12♈30 | 14°49 | 19°18 | 29°44 | 25°27 | 25°40 | 20° 0 | 23°20 | 14°36 | 6°R23 | 5°28 | 8°36 | 8°25 | F 12 |
| S 13 | 1 29 47 | 20°35'54 | 26°16 | 16°38 | 20°31 | 0♒18 | 25°40 | 25°39 | 20° 2 | 23°22 | 14°38 | 6°22 | 5°25 | 8°43 | 8°23 | S 13 |
| S 14 | 1 33 43 | 21°34'46 | 10♉18 | 18°27 | 21°44 | 0°53 | 25°52 | 25°37 | 20° 4 | 23°23 | 14°40 | 6°21 | 5°22 | 8°50 | 8°20 | S 14 |
| M15 | 1 37 40 | 22°33'39 | 24°33 | 20°15 | 22°57 | 1°27 | 26° 4 | 25°36 | 20° 6 | 23°24 | 14°43 | 6°19 | 5°19 | 8°56 | 8°17 | M15 |
| T 16 | 1 41 37 | 23°32'35 | 8♊55 | 22° 3 | 24°10 | 2° 2 | 26°17 | 25°34 | 20° 8 | 23°26 | 14°45 | 6°16 | 5°15 | 9° 3 | 8°15 | T 16 |
| W17 | 1 45 33 | 24°31'33 | 23°19 | 23°49 | 25°23 | 2°38 | 26°29 | 25°33 | 20°10 | 23°27 | 14°47 | 6°14 | 5°12 | 9°10 | 8°12 | W17 |
| T 18 | 1 49 30 | 25°30'33 | 7♋41 | 25°35 | 26°36 | 3°13 | 26°41 | 25°32 | 20°13 | 23°28 | 14°49 | 6°13 | 5° 9 | 9°17 | 8° 9 | T 18 |
| F 19 | 1 53 26 | 26°29'35 | 21°58 | 27°20 | 27°49 | 3°49 | 26°53 | 25°31 | 20°14 | 23°30 | 14°52 | 6°D12 | 5° 6 | 9°23 | 8° 6 | F 19 |
| S 20 | 1 57 23 | 27°28'40 | 6♌ 5 | 29° 4 | 29° 2 | 4°25 | 27° 6 | 25°30 | 20°16 | 23°31 | 14°54 | 6°12 | 5° 3 | 9°30 | 8° 4 | S 20 |
| S 21 | 2 1 19 | 28°27'47 | 20° 3 | 0♏48 | 0♐15 | 5° 1 | 27°18 | 25°29 | 20°18 | 23°33 | 14°56 | 6°13 | 5° 0 | 9°37 | 8° 1 | S 21 |
| M22 | 2 5 16 | 29°26'56 | 3♍49 | 2°31 | 1°28 | 5°37 | 27°30 | 25°28 | 20°20 | 23°34 | 14°58 | 6°14 | 4°56 | 9°44 | 7°58 | M22 |
| T 23 | 2 9 12 | 0♏26'08 | 17°24 | 4°12 | 2°41 | 6°14 | 27°42 | 25°28 | 20°22 | 23°35 | 15° 1 | 6°16 | 4°53 | 9°50 | 7°55 | T 23 |
| W24 | 2 13 9 | 1°25'21 | 0♎46 | 5°54 | 3°54 | 6°51 | 27°53 | 25°27 | 20°24 | 23°37 | 15° 3 | 6°R17 | 4°50 | 9°57 | 7°53 | W24 |
| T 25 | 2 17 6 | 2°24'37 | 13°56 | 7°34 | 5° 6 | 7°28 | 28° 5 | 25°26 | 20°25 | 23°39 | 15° 5 | 6°17 | 4°47 | 10° 4 | 7°50 | T 25 |
| F 26 | 2 21 2 | 3°23'55 | 26°54 | 9°13 | 6°19 | 8° 5 | 28°17 | 25°26 | 20°27 | 23°40 | 15° 7 | 6°15 | 4°44 | 10°10 | 7°47 | F 26 |
| S 27 | 2 24 59 | 4°23'15 | 9♏38 | 10°52 | 7°32 | 8°42 | 28°29 | 25°26 | 20°29 | 23°42 | 15° 9 | 6°12 | 4°40 | 10°17 | 7°44 | S 27 |
| S 28 | 2 28 55 | 5°22'36 | 22°10 | 12°30 | 8°45 | 9°20 | 28°40 | 25°26 | 20°30 | 23°43 | 15°11 | 6° 8 | 4°37 | 10°24 | 7°42 | S 28 |
| M29 | 2 32 52 | 6°22'00 | 4♐30 | 14° 8 | 9°58 | 9°58 | 28°52 | 25°D26 | 20°32 | 23°45 | 15°14 | 6° 3 | 4°34 | 10°31 | 7°39 | M29 |
| T 30 | 2 36 48 | 7°21'26 | 16°38 | 15°45 | 11°10 | 10°36 | 29° 4 | 25°26 | 20°33 | 23°47 | 15°16 | 5°57 | 4°31 | 10°37 | 7°36 | T 30 |
| W31 | 2 40 45 | 8♏20'53 | 28♐38 | 17♏21 | 12♐23 | 11♒14 | 29♍15 | 25♒26 | 20♌34 | 23♐48 | 15♎18 | 5♎52 | 4♎28 | 10♑44 | 7♉33 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 3s30 | 15s18 | 4n 3 | 3n36 | 1n42 | 13s 7 | 0n18 | 24s37 | 3s27 | 3n33 | 0n55 | 13s56 | 1s15 | 15n30 | 0n39 | 21s44 | 1n24 | 8n56 | 15n42 | 2s30 | 2s23 | 17s58 | 13n32 | 0s53 |
| T 2 | 3 53 | 17 0 | 4 41 | 2 58 | 1 45 | 13 34 | 0 16 | 24 30 | 3 24 | 3 28 | 0 55 | 13 57 | 1 15 | 15 29 | 0 39 | 21 44 | 1 24 | 8 55 | 15 42 | 2 30 | 2 22 | 17 58 | 13 31 | 0 53 |
| W 3 | 4 16 | 17 55 | 5 5 | 2 19 | 1 48 | 14 0 | 0 13 | 24 22 | 3 22 | 3 23 | 0 55 | 13 58 | 1 15 | 15 28 | 0 39 | 21 44 | 1 24 | 8 54 | 15 42 | 2 30 | 2 21 | 17 58 | 13 30 | 0 54 |
| T 4 | 4 38 | 18 1 | 5 16 | 1 38 | 1 50 | 14 26 | 0 10 | 24 14 | 3 20 | 3 18 | 0 55 | 13 58 | 1 15 | 15 27 | 0 39 | 21 44 | 1 24 | 8 53 | 15 42 | 2 30 | 2 20 | 17 57 | 13 30 | 0 54 |
| F 5 | 5 1 | 17 20 | 5 14 | 0 55 | 1 51 | 14 51 | 0 7 | 24 6 | 3 18 | 3 13 | 0 55 | 13 59 | 1 15 | 15 26 | 0 39 | 21 44 | 1 24 | 8 53 | 15 42 | 2 30 | 2 18 | 17 57 | 13 29 | 0 54 |
| S 6 | 5 24 | 15 53 | 4 58 | 0 12 | 1 51 | 15 17 | 0 5 | 23 58 | 3 16 | 3 9 | 0 56 | 14 0 | 1 15 | 15 26 | 0 39 | 21 44 | 1 24 | 8 52 | 15 42 | 2 30 | 2 17 | 17 57 | 13 28 | 0 54 |
| S 7 | 5 46 | 13 44 | 4 29 | 0s32 | 1 50 | 15 42 | 0 2 | 23 50 | 3 14 | 3 4 | 0 56 | 14 1 | 1 15 | 15 25 | 0 39 | 21 45 | 1 24 | 8 51 | 15 43 | 2 30 | 2 16 | 17 56 | 13 27 | 0 54 |
| M 8 | 6 9 | 10 56 | 3 47 | 1 17 | 1 49 | 16 6 | 0s 1 | 23 41 | 3 12 | 2 59 | 0 56 | 14 1 | 1 15 | 15 24 | 0 39 | 21 45 | 1 24 | 8 50 | 15 43 | 2 30 | 2 15 | 17 56 | 13 26 | 0 54 |
| T 9 | 6 31 | 7 36 | 2 54 | 2 2 | 1 47 | 16 30 | 0 4 | 23 32 | 3 10 | 2 54 | 0 56 | 14 2 | 1 15 | 15 23 | 0 39 | 21 45 | 1 24 | 8 49 | 15 43 | 2 31 | 2 13 | 17 55 | 13 25 | 0 54 |
| W10 | 6 54 | 3 49 | 1 51 | 2 47 | 1 44 | 16 54 | 0 7 | 23 24 | 3 8 | 2 49 | 0 56 | 14 3 | 1 15 | 15 23 | 0 39 | 21 45 | 1 24 | 8 49 | 15 43 | 2 31 | 2 12 | 17 55 | 13 24 | 0 54 |
| T 11 | 7 16 | 0n14 | 0 40 | 3 33 | 1 41 | 17 17 | 0 10 | 23 15 | 3 6 | 2 44 | 0 56 | 14 3 | 1 14 | 15 22 | 0 39 | 21 45 | 1 24 | 8 48 | 15 43 | 2 31 | 2 11 | 17 55 | 13 23 | 0 54 |
| F 12 | 7 38 | 4 24 | 0s34 | 4 19 | 1 37 | 17 40 | 0 13 | 23 5 | 3 4 | 2 39 | 0 56 | 14 4 | 1 14 | 15 21 | 0 39 | 21 45 | 1 24 | 8 47 | 15 43 | 2 31 | 2 10 | 17 54 | 13 22 | 0 55 |
| S 13 | 8 0 | 8 25 | 1 48 | 5 4 | 1 33 | 18 2 | 0 16 | 22 56 | 3 2 | 2 35 | 0 56 | 14 4 | 1 14 | 15 21 | 0 39 | 21 45 | 1 24 | 8 46 | 15 43 | 2 31 | 2 8 | 17 54 | 13 22 | 0 55 |
| S 14 | 8 22 | 12 2 | 2 57 | 5 49 | 1 29 | 18 24 | 0 19 | 22 47 | 3 0 | 2 30 | 0 56 | 14 5 | 1 14 | 15 20 | 0 39 | 21 45 | 1 24 | 8 46 | 15 43 | 2 30 | 2 7 | 17 54 | 13 21 | 0 55 |
| M15 | 8 44 | 15 0 | 3 56 | 6 34 | 1 24 | 18 46 | 0 22 | 22 37 | 2 58 | 2 25 | 0 56 | 14 5 | 1 14 | 15 19 | 0 39 | 21 45 | 1 24 | 8 45 | 15 43 | 2 30 | 2 6 | 17 53 | 13 20 | 0 55 |
| T 16 | 9 6 | 17 3 | 4 40 | 7 19 | 1 19 | 19 7 | 0 25 | 22 27 | 2 55 | 2 20 | 0 57 | 14 6 | 1 14 | 15 19 | 0 39 | 21 46 | 1 24 | 8 44 | 15 43 | 2 29 | 2 5 | 17 53 | 13 19 | 0 55 |
| W17 | 9 27 | 18 2 | 5 7 | 8 3 | 1 14 | 19 28 | 0 28 | 22 17 | 2 53 | 2 15 | 0 57 | 14 6 | 1 14 | 15 18 | 0 39 | 21 46 | 1 23 | 8 43 | 15 43 | 2 28 | 2 3 | 17 53 | 13 18 | 0 55 |
| T 18 | 9 49 | 17 51 | 5 15 | 8 47 | 1 8 | 19 48 | 0 31 | 22 7 | 2 51 | 2 11 | 0 57 | 14 6 | 1 14 | 15 17 | 0 39 | 21 46 | 1 23 | 8 43 | 15 43 | 2 27 | 2 2 | 17 52 | 13 17 | 0 55 |
| F 19 | 10 10 | 16 32 | 5 3 | 9 30 | 1 2 | 20 7 | 0 34 | 21 56 | 2 49 | 2 6 | 0 57 | 14 7 | 1 14 | 15 17 | 0 39 | 21 46 | 1 23 | 8 42 | 15 44 | 2 27 | 2 1 | 17 52 | 13 16 | 0 55 |
| S 20 | 10 31 | 14 14 | 4 33 | 10 13 | 0 56 | 20 26 | 0 37 | 21 46 | 2 47 | 2 1 | 0 57 | 14 7 | 1 14 | 15 16 | 0 39 | 21 46 | 1 23 | 8 41 | 15 44 | 2 27 | 2 0 | 17 51 | 13 15 | 0 55 |
| S 21 | 10 52 | 11 7 | 3 48 | 10 55 | 0 50 | 20 45 | 0 40 | 21 35 | 2 45 | 1 57 | 0 57 | 14 7 | 1 14 | 15 16 | 0 39 | 21 46 | 1 23 | 8 41 | 15 44 | 2 27 | 1 58 | 17 51 | 13 14 | 0 55 |
| M22 | 11 13 | 7 25 | 2 49 | 11 36 | 0 43 | 21 3 | 0 43 | 21 24 | 2 43 | 1 52 | 0 57 | 14 8 | 1 14 | 15 15 | 0 39 | 21 46 | 1 23 | 8 40 | 15 44 | 2 28 | 1 57 | 17 51 | 13 13 | 0 55 |
| T 23 | 11 34 | 3 23 | 1 42 | 12 17 | 0 37 | 21 20 | 0 46 | 21 13 | 2 41 | 1 47 | 0 57 | 14 8 | 1 14 | 15 15 | 0 39 | 21 46 | 1 23 | 8 39 | 15 44 | 2 28 | 1 56 | 17 50 | 13 12 | 0 56 |
| W24 | 11 54 | 0s46 | 0 30 | 12 57 | 0 30 | 21 37 | 0 49 | 21 2 | 2 39 | 1 43 | 0 57 | 14 8 | 1 14 | 15 14 | 0 39 | 21 46 | 1 23 | 8 38 | 15 44 | 2 29 | 1 55 | 17 50 | 13 11 | 0 56 |
| T 25 | 12 15 | 4 49 | 0n42 | 13 36 | 0 23 | 21 53 | 0 52 | 20 51 | 2 37 | 1 38 | 0 58 | 14 8 | 1 14 | 15 14 | 0 39 | 21 47 | 1 23 | 8 38 | 15 45 | 2 29 | 1 53 | 17 49 | 13 10 | 0 56 |
| F 26 | 12 35 | 8 35 | 1 51 | 14 14 | 0 17 | 22 9 | 0 55 | 20 39 | 2 35 | 1 34 | 0 58 | 14 8 | 1 14 | 15 13 | 0 40 | 21 47 | 1 23 | 8 37 | 15 45 | 2 28 | 1 52 | 17 49 | 13 9 | 0 56 |
| S 27 | 12 55 | 11 53 | 2 53 | 14 51 | 0 10 | 22 24 | 0 58 | 20 27 | 2 33 | 1 29 | 0 58 | 14 8 | 1 14 | 15 13 | 0 40 | 21 47 | 1 23 | 8 37 | 15 45 | 2 27 | 1 51 | 17 49 | 13 8 | 0 56 |
| S 28 | 13 15 | 14 35 | 3 45 | 15 28 | 0 3 | 22 39 | 1 1 | 20 15 | 2 31 | 1 25 | 0 58 | 14 8 | 1 14 | 15 12 | 0 40 | 21 47 | 1 23 | 8 36 | 15 45 | 2 25 | 1 50 | 17 48 | 13 7 | 0 56 |
| M29 | 13 34 | 16 34 | 4 26 | 16 4 | 0s 4 | 22 52 | 1 4 | 20 3 | 2 29 | 1 20 | 0 58 | 14 8 | 1 14 | 15 12 | 0 40 | 21 47 | 1 23 | 8 35 | 15 45 | 2 23 | 1 48 | 17 48 | 13 6 | 0 56 |
| T 30 | 13 54 | 17 46 | 4 54 | 16 38 | 0 11 | 23 6 | 1 7 | 19 51 | 2 27 | 1 16 | 0 58 | 14 8 | 1 14 | 15 11 | 0 40 | 21 47 | 1 23 | 8 35 | 15 46 | 2 21 | 1 47 | 17 47 | 13 5 | 0 56 |
| W31 | 14s13 | 18s 9 | 5n 9 | 17s12 | 0s18 | 23s18 | 1s 9 | 19s39 | 2s26 | 1n11 | 0n58 | 14s 8 | 1s14 | 15n11 | 0n40 | 21s47 | 1n23 | 8n34 | 15n46 | 2s19 | 1s46 | 17s47 | 13n 4 | 0s56 |

Julian Day Number = 2803912.5, Delta T = 51m07s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°14'41, Lahiri = 37°21'42


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# ASTRODIENST EPHEMERIS for the year 2964
# geocentric

## NOVEMBER 2964 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 44 41 | 9♏20'23 | 10♑32 | 18♏56 | 13♐36 | 11♒53 | 29♍26 | 25♒26 | 20♌36 | 23♐50 | 15♎20 | 5°R47 | 4♎25 | 10♑51 | 7°R30 | T 1 |
| F 2 | 2 48 38 | 10°19'54 | 22°24 | 20°31 | 14°49 | 12°31 | 29°38 | 25°26 | 20°37 | 23°52 | 15°22 | 5♎44 | 4°21 | 10°57 | 7♉28 | F 2 |
| S 3 | 2 52 35 | 11°19'27 | 4♒17 | 22° 5 | 16° 1 | 13°10 | 29°49 | 25°27 | 20°38 | 23°54 | 15°24 | 5°42 | 4°18 | 11° 4 | 7°25 | S 3 |
| S 4 | 2 56 31 | 12°19'01 | 16°17 | 23°39 | 17°14 | 13°49 | 0♎ 0 | 25°27 | 20°40 | 23°55 | 15°26 | 5°D42 | 4°15 | 11°11 | 7°22 | S 4 |
| M 5 | 3 0 28 | 13°18'37 | 28°28 | 25°11 | 18°26 | 14°28 | 0°11 | 25°28 | 20°41 | 23°57 | 15°28 | 5°43 | 4°12 | 11°18 | 7°19 | M 5 |
| T 6 | 3 4 24 | 14°18'15 | 10♓55 | 26°44 | 19°39 | 15° 7 | 0°22 | 25°29 | 20°42 | 23°59 | 15°30 | 5°45 | 4° 9 | 11°24 | 7°16 | T 6 |
| W 7 | 3 8 21 | 15°17'54 | 23°44 | 28°16 | 20°51 | 15°46 | 0°33 | 25°30 | 20°43 | 24° 1 | 15°32 | 5°46 | 4° 5 | 11°31 | 7°14 | W 7 |
| T 8 | 3 12 17 | 16°17'35 | 6♈56 | 29°47 | 22° 4 | 16°26 | 0°44 | 25°30 | 20°44 | 24° 3 | 15°34 | 5°R47 | 4° 2 | 11°38 | 7°11 | T 8 |
| F 9 | 3 16 14 | 17°17'18 | 20°34 | 1♐18 | 23°16 | 17° 6 | 0°55 | 25°32 | 20°45 | 24° 5 | 15°36 | 5°46 | 3°59 | 11°45 | 7° 8 | F 9 |
| S 10 | 3 20 10 | 18°17'03 | 4♉37 | 2°48 | 24°29 | 17°45 | 1° 6 | 25°33 | 20°46 | 24° 6 | 15°38 | 5°43 | 3°56 | 11°51 | 7° 5 | S 10 |
| S 11 | 3 24 7 | 19°16'49 | 19° 2 | 4°17 | 25°41 | 18°25 | 1°16 | 25°34 | 20°46 | 24° 8 | 15°40 | 5°38 | 3°53 | 11°58 | 7° 3 | S 11 |
| M12 | 3 28 4 | 20°16'38 | 3♊44 | 5°46 | 26°54 | 19° 5 | 1°27 | 25°35 | 20°47 | 24°10 | 15°42 | 5°32 | 3°50 | 12° 5 | 7° 0 | M12 |
| T 13 | 3 32 0 | 21°16'29 | 18°35 | 7°15 | 28° 6 | 19°45 | 1°37 | 25°37 | 20°48 | 24°12 | 15°44 | 5°24 | 3°46 | 12°11 | 6°57 | T 13 |
| W14 | 3 35 57 | 22°16'21 | 3♋26 | 8°42 | 29°18 | 20°26 | 1°48 | 25°38 | 20°49 | 24°14 | 15°46 | 5°17 | 3°43 | 12°18 | 6°55 | W14 |
| T 15 | 3 39 53 | 23°16'16 | 18°10 | 10°10 | 0♑31 | 21° 6 | 1°58 | 25°40 | 20°49 | 24°16 | 15°48 | 5°11 | 3°40 | 12°25 | 6°52 | T 15 |
| F 16 | 3 43 50 | 24°16'13 | 2♌40 | 11°36 | 1°43 | 21°47 | 2° 8 | 25°42 | 20°50 | 24°18 | 15°50 | 5° 7 | 3°37 | 12°32 | 6°49 | F 16 |
| S 17 | 3 47 46 | 25°16'11 | 16°52 | 13° 2 | 2°55 | 22°27 | 2°18 | 25°43 | 20°50 | 24°20 | 15°52 | 5° 5 | 3°34 | 12°38 | 6°47 | S 17 |
| S 18 | 3 51 43 | 26°16'12 | 0♍45 | 14°28 | 4° 7 | 23° 8 | 2°28 | 25°45 | 20°51 | 24°22 | 15°54 | 5°D 5 | 3°31 | 12°45 | 6°44 | S 18 |
| M19 | 3 55 39 | 27°16'15 | 14°19 | 15°52 | 5°19 | 23°49 | 2°38 | 25°47 | 20°51 | 24°24 | 15°56 | 5° 6 | 3°27 | 12°52 | 6°42 | M19 |
| T 20 | 3 59 36 | 28°16'20 | 27°36 | 17°16 | 6°31 | 24°30 | 2°48 | 25°50 | 20°51 | 24°26 | 15°57 | 5° 7 | 3°24 | 12°58 | 6°39 | T 20 |
| W21 | 4 3 33 | 29°16'28 | 10♎38 | 18°39 | 7°43 | 25°11 | 2°58 | 25°52 | 20°52 | 24°28 | 15°59 | 5°R 7 | 3°21 | 13° 5 | 6°36 | W21 |
| T 22 | 4 7 29 | 0♐16'37 | 23°26 | 20° 2 | 8°55 | 25°52 | 3° 7 | 25°54 | 20°52 | 24°31 | 16° 1 | 5° 5 | 3°18 | 13°12 | 6°34 | T 22 |
| F 23 | 4 11 26 | 1°16'48 | 6♏ 4 | 21°23 | 10° 7 | 26°33 | 3°17 | 25°57 | 20°52 | 24°33 | 16° 3 | 5° 1 | 3°15 | 13°19 | 6°31 | F 23 |
| S 24 | 4 15 22 | 2°17'01 | 18°31 | 22°43 | 11°19 | 27°15 | 3°26 | 25°59 | 20°52 | 24°35 | 16° 4 | 4°54 | 3°11 | 13°25 | 6°29 | S 24 |
| S 25 | 4 19 19 | 3°17'16 | 0♐49 | 24° 2 | 12°31 | 27°56 | 3°36 | 26° 2 | 20°52 | 24°37 | 16° 6 | 4°45 | 3° 8 | 13°32 | 6°27 | S 25 |
| M26 | 4 23 15 | 4°17'32 | 12°59 | 25°20 | 13°43 | 28°38 | 3°45 | 26° 4 | 20°R52 | 24°39 | 16° 8 | 4°33 | 3° 5 | 13°39 | 6°24 | M26 |
| T 27 | 4 27 12 | 5°17'50 | 25° 1 | 26°36 | 14°55 | 29°19 | 3°54 | 26° 7 | 20°52 | 24°41 | 16° 9 | 4°21 | 3° 2 | 13°46 | 6°22 | T 27 |
| W28 | 4 31 8 | 6°18'10 | 6♑58 | 27°51 | 16° 7 | 0♓ 1 | 4° 3 | 26°10 | 20°52 | 24°43 | 16°11 | 4° 9 | 2°59 | 13°52 | 6°19 | W28 |
| T 29 | 4 35 5 | 7°18'31 | 18°50 | 29° 4 | 17°18 | 0°43 | 4°12 | 26°13 | 20°52 | 24°46 | 16°13 | 3°58 | 2°56 | 13°59 | 6°17 | T 29 |
| F 30 | 4 39 2 | 8♐18'54 | 0♒40 | 0♑15 | 18♑30 | 1♓25 | 4♎21 | 26♒16 | 20♌52 | 24♐48 | 16♎14 | 3♎50 | 2♎52 | 14♑ 6 | 6♉15 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s32 | 17s44 | 5n10 | 17s46 | 0s25 | 23s30 | 1s12 | 19s26 | 2s24 | 1n 7 | 0n59 | 14s 8 | 1s14 | 15n11 | 0n40 | 21s47 | 1n23 | 8n34 | 15n46 | 2s17 | 1s45 | 17s46 | 13n 3 | 0s56 |
| F 2 | 14 50 | 16 33 | 4 59 | 18 18 | 0 32 | 23 42 | 1 15 | 19 13 | 2 22 | 1 3 | 0 59 | 14 8 | 1 13 | 15 10 | 0 40 | 21 47 | 1 23 | 8 33 | 15 46 | 2 16 | 1 43 | 17 46 | 13 2 | 0 56 |
| S 3 | 15 9 | 14 39 | 4 34 | 18 49 | 0 39 | 23 52 | 1 18 | 19 1 | 2 20 | 0 58 | 0 59 | 14 7 | 1 13 | 15 10 | 0 40 | 21 48 | 1 23 | 8 33 | 15 47 | 2 15 | 1 42 | 17 46 | 13 1 | 0 56 |
| S 4 | 15 27 | 12 6 | 3 57 | 19 19 | 0 45 | 24 2 | 1 21 | 18 48 | 2 18 | 0 54 | 0 59 | 14 7 | 1 13 | 15 10 | 0 40 | 21 48 | 1 23 | 8 32 | 15 47 | 2 15 | 1 41 | 17 45 | 13 0 | 0 56 |
| M 5 | 15 45 | 8 59 | 3 9 | 19 48 | 0 52 | 24 12 | 1 23 | 18 34 | 2 16 | 0 50 | 0 59 | 14 7 | 1 13 | 15 9 | 0 40 | 21 48 | 1 23 | 8 31 | 15 47 | 2 16 | 1 40 | 17 45 | 12 59 | 0 57 |
| T 6 | 16 3 | 5 25 | 2 11 | 20 16 | 0 59 | 24 20 | 1 26 | 18 21 | 2 14 | 0 46 | 0 59 | 14 7 | 1 13 | 15 9 | 0 40 | 21 48 | 1 23 | 8 31 | 15 47 | 2 16 | 1 38 | 17 44 | 12 58 | 0 57 |
| W 7 | 16 20 | 1 29 | 1 5 | 20 44 | 1 5 | 24 28 | 1 29 | 18 8 | 2 12 | 0 41 | 0 59 | 14 6 | 1 13 | 15 9 | 0 40 | 21 48 | 1 23 | 8 30 | 15 48 | 2 17 | 1 37 | 17 44 | 12 57 | 0 57 |
| T 8 | 16 37 | 2n38 | 0s 6 | 21 10 | 1 12 | 24 36 | 1 31 | 17 54 | 2 10 | 0 37 | 1 0 | 14 6 | 1 13 | 15 8 | 0 40 | 21 48 | 1 23 | 8 30 | 15 48 | 2 17 | 1 36 | 17 43 | 12 57 | 0 57 |
| F 9 | 16 54 | 6 46 | 1 19 | 21 35 | 1 18 | 24 42 | 1 34 | 17 40 | 2 8 | 0 33 | 1 0 | 14 6 | 1 13 | 15 8 | 0 40 | 21 48 | 1 23 | 8 30 | 15 48 | 2 17 | 1 35 | 17 43 | 12 56 | 0 57 |
| S 10 | 17 11 | 10 38 | 2 30 | 21 59 | 1 24 | 24 48 | 1 36 | 17 26 | 2 7 | 0 29 | 1 0 | 14 5 | 1 13 | 15 8 | 0 40 | 21 48 | 1 23 | 8 29 | 15 49 | 2 16 | 1 33 | 17 43 | 12 55 | 0 57 |
| S 11 | 17 27 | 13 59 | 3 32 | 22 22 | 1 30 | 24 53 | 1 39 | 17 12 | 2 5 | 0 25 | 1 0 | 14 5 | 1 13 | 15 8 | 0 40 | 21 49 | 1 23 | 8 29 | 15 49 | 2 14 | 1 32 | 17 42 | 12 54 | 0 57 |
| M12 | 17 43 | 16 30 | 4 22 | 22 44 | 1 36 | 24 58 | 1 41 | 16 58 | 2 3 | 0 21 | 1 0 | 14 4 | 1 13 | 15 7 | 0 40 | 21 49 | 1 23 | 8 28 | 15 49 | 2 11 | 1 31 | 17 42 | 12 53 | 0 57 |
| T 13 | 17 59 | 17 56 | 4 55 | 23 5 | 1 42 | 25 2 | 1 44 | 16 44 | 2 1 | 0 17 | 1 0 | 14 4 | 1 13 | 15 7 | 0 40 | 21 49 | 1 22 | 8 28 | 15 50 | 2 8 | 1 30 | 17 41 | 12 52 | 0 57 |
| W14 | 18 14 | 18 9 | 5 7 | 23 24 | 1 47 | 25 5 | 1 46 | 16 29 | 1 59 | 0 13 | 1 1 | 14 3 | 1 13 | 15 7 | 0 40 | 21 49 | 1 22 | 8 27 | 15 50 | 2 5 | 1 28 | 17 41 | 12 51 | 0 57 |
| T 15 | 18 30 | 17 8 | 5 0 | 23 43 | 1 53 | 25 7 | 1 48 | 16 14 | 1 57 | 0 9 | 1 1 | 14 2 | 1 13 | 15 7 | 0 40 | 21 49 | 1 22 | 8 27 | 15 50 | 2 3 | 1 27 | 17 40 | 12 50 | 0 57 |
| F 16 | 18 44 | 15 1 | 4 33 | 24 0 | 1 58 | 25 8 | 1 50 | 16 0 | 1 55 | 0 5 | 1 1 | 14 2 | 1 13 | 15 7 | 0 40 | 21 49 | 1 22 | 8 27 | 15 51 | 2 1 | 1 26 | 17 40 | 12 49 | 0 57 |
| S 17 | 18 59 | 12 2 | 3 50 | 24 16 | 2 3 | 25 9 | 1 53 | 15 45 | 1 54 | 0 1 | 1 1 | 14 1 | 1 13 | 15 7 | 0 40 | 21 49 | 1 22 | 8 26 | 15 51 | 2 1 | 1 25 | 17 39 | 12 48 | 0 57 |
| S 18 | 19 13 | 8 26 | 2 54 | 24 31 | 2 7 | 25 9 | 1 55 | 15 30 | 1 52 | 0s 2 | 1 1 | 14 0 | 1 13 | 15 7 | 0 40 | 21 49 | 1 22 | 8 26 | 15 51 | 2 1 | 1 23 | 17 39 | 12 47 | 0 57 |
| M19 | 19 27 | 4 27 | 1 49 | 24 45 | 2 12 | 25 9 | 1 57 | 15 15 | 1 50 | 0 6 | 1 1 | 14 0 | 1 13 | 15 7 | 0 41 | 21 49 | 1 22 | 8 26 | 15 52 | 2 1 | 1 22 | 17 38 | 12 46 | 0 57 |
| T 20 | 19 40 | 0 20 | 0 40 | 24 58 | 2 16 | 25 8 | 1 59 | 14 59 | 1 48 | 0 10 | 1 2 | 13 59 | 1 13 | 15 6 | 0 41 | 21 50 | 1 22 | 8 25 | 15 52 | 2 1 | 1 21 | 17 38 | 12 45 | 0 58 |
| W21 | 19 53 | 3s44 | 0n30 | 25 9 | 2 20 | 25 6 | 2 1 | 14 44 | 1 46 | 0 14 | 1 2 | 13 58 | 1 12 | 15 6 | 0 41 | 21 50 | 1 22 | 8 25 | 15 52 | 2 1 | 1 20 | 17 37 | 12 45 | 0 58 |
| T 22 | 20 6 | 7 34 | 1 37 | 25 19 | 2 23 | 25 3 | 2 2 | 14 28 | 1 45 | 0 17 | 1 2 | 13 57 | 1 12 | 15 6 | 0 41 | 21 50 | 1 22 | 8 25 | 15 53 | 2 1 | 1 18 | 17 37 | 12 44 | 0 58 |
| F 23 | 20 18 | 10 59 | 2 38 | 25 28 | 2 27 | 24 59 | 2 4 | 14 13 | 1 43 | 0 21 | 1 2 | 13 56 | 1 12 | 15 6 | 0 41 | 21 50 | 1 22 | 8 24 | 15 53 | 1 59 | 1 17 | 17 36 | 12 43 | 0 58 |
| S 24 | 20 30 | 13 52 | 3 30 | 25 36 | 2 29 | 24 55 | 2 6 | 13 57 | 1 41 | 0 24 | 1 2 | 13 55 | 1 12 | 15 6 | 0 41 | 21 50 | 1 22 | 8 24 | 15 54 | 1 56 | 1 16 | 17 36 | 12 42 | 0 58 |
| S 25 | 20 42 | 16 6 | 4 12 | 25 42 | 2 32 | 24 50 | 2 7 | 13 41 | 1 39 | 0 28 | 1 3 | 13 55 | 1 12 | 15 6 | 0 41 | 21 50 | 1 22 | 8 24 | 15 54 | 1 53 | 1 14 | 17 35 | 12 41 | 0 58 |
| M26 | 20 53 | 17 34 | 4 42 | 25 48 | 2 34 | 24 45 | 2 9 | 13 25 | 1 38 | 0 31 | 1 3 | 13 54 | 1 12 | 15 6 | 0 41 | 21 50 | 1 22 | 8 24 | 15 54 | 1 48 | 1 13 | 17 35 | 12 40 | 0 58 |
| T 27 | 21 4 | 18 14 | 4 59 | 25 52 | 2 36 | 24 38 | 2 10 | 13 9 | 1 36 | 0 35 | 1 3 | 13 53 | 1 12 | 15 6 | 0 41 | 21 50 | 1 22 | 8 23 | 15 55 | 1 43 | 1 12 | 17 34 | 12 39 | 0 58 |
| W28 | 21 15 | 18 6 | 5 3 | 25 54 | 2 37 | 24 31 | 2 12 | 12 53 | 1 34 | 0 38 | 1 3 | 13 52 | 1 12 | 15 7 | 0 41 | 21 50 | 1 22 | 8 23 | 15 55 | 1 39 | 1 11 | 17 34 | 12 39 | 0 58 |
| T 29 | 21 25 | 17 10 | 4 53 | 25 56 | 2 37 | 24 24 | 2 13 | 12 36 | 1 33 | 0 41 | 1 3 | 13 50 | 1 12 | 15 7 | 0 41 | 21 50 | 1 22 | 8 23 | 15 56 | 1 34 | 1 9 | 17 33 | 12 38 | 0 58 |
| F 30 | 21s35 | 15s29 | 4n31 | 25s56 | 2s37 | 24s15 | 2s14 | 12s20 | 1s31 | 0s45 | 1n 4 | 13s49 | 1s12 | 15n 7 | 0n41 | 21s51 | 1n22 | 8n23 | 15n56 | 1s31 | 1s 8 | 17s33 | 12n37 | 0s58 |

Julian Day Number = 2803943.5, Delta T = 51m07s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°14'45, Lahiri = 37°21'46


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# ASTRODIENST EPHEMERIS for the year 2964
# geocentric

## DECEMBER 2964 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 42 58 | 9♐19'18 | 12♒31 | 1♑24 | 19♑41 | 2♓ 7 | 4♎29 | 26♒19 | 20°R51 | 24♐50 | 16♎16 | 3°R44 | 2♎49 | 14♑12 | 6°R13 | S 1 |
| S 2 | 4 46 55 | 10°19'44 | 24°28 | 2°30 | 20°53 | 2°49 | 4°38 | 26°23 | 20♌51 | 24°52 | 16°17 | 3♎40 | 2°46 | 14°19 | 6♉10 | S 2 |
| M 3 | 4 50 51 | 11°20'10 | 6♓35 | 3°33 | 22° 4 | 3°31 | 4°46 | 26°26 | 20°51 | 24°54 | 16°19 | 3°D39 | 2°43 | 14°26 | 6° 8 | M 3 |
| T 4 | 4 54 48 | 12°20'38 | 18°57 | 4°33 | 23°16 | 4°13 | 4°54 | 26°30 | 20°50 | 24°56 | 16°20 | 3°39 | 2°40 | 14°33 | 6° 6 | T 4 |
| W 5 | 4 58 44 | 13°21'07 | 1♈39 | 5°29 | 24°27 | 4°55 | 5° 2 | 26°33 | 20°50 | 24°59 | 16°22 | 3°R39 | 2°37 | 14°39 | 6° 4 | W 5 |
| T 6 | 5 2 41 | 14°21'38 | 14°47 | 6°21 | 25°38 | 5°38 | 5°10 | 26°37 | 20°49 | 25° 1 | 16°23 | 3°39 | 2°33 | 14°46 | 6° 2 | T 6 |
| F 7 | 5 6 37 | 15°22'09 | 28°23 | 7° 8 | 26°50 | 6°20 | 5°18 | 26°40 | 20°49 | 25° 3 | 16°25 | 3°36 | 2°30 | 14°53 | 6° 0 | F 7 |
| S 8 | 5 10 34 | 16°22'42 | 12♉29 | 7°50 | 28° 1 | 7° 3 | 5°26 | 26°44 | 20°48 | 25° 5 | 16°26 | 3°31 | 2°27 | 14°59 | 5°58 | S 8 |
| S 9 | 5 14 31 | 17°23'16 | 27° 4 | 8°25 | 29°12 | 7°45 | 5°34 | 26°48 | 20°47 | 25° 8 | 16°27 | 3°24 | 2°24 | 15° 6 | 5°56 | S 9 |
| M10 | 5 18 27 | 18°23'51 | 12♊ 1 | 8°54 | 0♒23 | 8°28 | 5°41 | 26°52 | 20°46 | 25°10 | 16°29 | 3°14 | 2°21 | 15°13 | 5°54 | M10 |
| T 11 | 5 22 24 | 19°24'28 | 27°12 | 9°15 | 1°33 | 9°10 | 5°48 | 26°56 | 20°46 | 25°12 | 16°30 | 3° 3 | 2°17 | 15°20 | 5°52 | T 11 |
| W12 | 5 26 20 | 20°25'06 | 12♋27 | 9°28 | 2°44 | 9°53 | 5°56 | 27° 0 | 20°45 | 25°14 | 16°31 | 2°52 | 2°14 | 15°26 | 5°50 | W12 |
| T 13 | 5 30 17 | 21°25'46 | 27°34 | 9°R32 | 3°55 | 10°36 | 6° 3 | 27° 4 | 20°44 | 25°17 | 16°32 | 2°42 | 2°11 | 15°33 | 5°49 | T 13 |
| F 14 | 5 34 13 | 22°26'26 | 12♌25 | 9°25 | 5° 5 | 11°18 | 6°10 | 27° 9 | 20°43 | 25°19 | 16°33 | 2°35 | 2° 8 | 15°40 | 5°47 | F 14 |
| S 15 | 5 38 10 | 23°27'09 | 26°51 | 9° 9 | 6°16 | 12° 1 | 6°16 | 27°13 | 20°42 | 25°21 | 16°35 | 2°30 | 2° 5 | 15°47 | 5°45 | S 15 |
| S 16 | 5 42 6 | 24°27'53 | 10♍53 | 8°41 | 7°26 | 12°44 | 6°23 | 27°18 | 20°41 | 25°23 | 16°36 | 2°28 | 2° 2 | 15°53 | 5°44 | S 16 |
| M17 | 5 46 3 | 25°28'38 | 24°28 | 8° 2 | 8°37 | 13°27 | 6°30 | 27°22 | 20°40 | 25°26 | 16°37 | 2°27 | 1°58 | 16° 0 | 5°42 | M17 |
| T 18 | 5 50 0 | 26°29'25 | 7♎40 | 7°12 | 9°47 | 14°10 | 6°36 | 27°27 | 20°39 | 25°28 | 16°38 | 2°27 | 1°55 | 16° 7 | 5°41 | T 18 |
| W19 | 5 53 56 | 27°30'13 | 20°32 | 6°12 | 10°57 | 14°53 | 6°42 | 27°31 | 20°37 | 25°30 | 16°39 | 2°26 | 1°52 | 16°13 | 5°39 | W19 |
| T 20 | 5 57 53 | 28°31'03 | 3♏ 8 | 5° 3 | 12° 7 | 15°36 | 6°48 | 27°36 | 20°36 | 25°32 | 16°40 | 2°23 | 1°49 | 16°20 | 5°38 | T 20 |
| F 21 | 6 1 49 | 29°31'53 | 15°31 | 3°47 | 13°17 | 16°19 | 6°54 | 27°41 | 20°35 | 25°35 | 16°41 | 2°18 | 1°46 | 16°27 | 5°36 | F 21 |
| S 22 | 6 5 46 | 0♑32'46 | 27°44 | 2°26 | 14°27 | 17° 2 | 7° 0 | 27°46 | 20°33 | 25°37 | 16°42 | 2° 9 | 1°43 | 16°34 | 5°35 | S 22 |
| S 23 | 6 9 42 | 1°33'39 | 9♐50 | 1° 3 | 15°36 | 17°45 | 7° 5 | 27°51 | 20°32 | 25°39 | 16°43 | 1°57 | 1°39 | 16°40 | 5°34 | S 23 |
| M24 | 6 13 39 | 2°34'33 | 21°50 | 29♐41 | 16°46 | 18°28 | 7°11 | 27°56 | 20°31 | 25°41 | 16°44 | 1°43 | 1°36 | 16°47 | 5°32 | M24 |
| T 25 | 6 17 36 | 3°35'29 | 3♑47 | 28°22 | 17°55 | 19°12 | 7°16 | 28° 1 | 20°29 | 25°44 | 16°45 | 1°28 | 1°33 | 16°54 | 5°31 | T 25 |
| W26 | 6 21 32 | 4°36'25 | 15°40 | 27° 9 | 19° 5 | 19°55 | 7°21 | 28° 6 | 20°27 | 25°46 | 16°45 | 1°12 | 1°30 | 17° 0 | 5°30 | W26 |
| T 27 | 6 25 29 | 5°37'22 | 27°31 | 26° 4 | 20°14 | 20°38 | 7°26 | 28°11 | 20°26 | 25°48 | 16°46 | 0°59 | 1°27 | 17° 7 | 5°29 | T 27 |
| F 28 | 6 29 25 | 6°38'20 | 9♒21 | 25° 9 | 21°23 | 21°21 | 7°31 | 28°17 | 20°24 | 25°50 | 16°47 | 0°47 | 1°23 | 17°14 | 5°28 | F 28 |
| S 29 | 6 33 22 | 7°39'19 | 21°14 | 24°24 | 22°32 | 22° 5 | 7°35 | 28°22 | 20°23 | 25°53 | 16°48 | 0°38 | 1°20 | 17°21 | 5°27 | S 29 |
| S 30 | 6 37 18 | 8°40'18 | 3♓12 | 23°50 | 23°41 | 22°48 | 7°40 | 28°27 | 20°21 | 25°55 | 16°48 | 0°33 | 1°17 | 17°27 | 5°26 | S 30 |
| M31 | 6 41 15 | 9♑41'17 | 15♓18 | 23♐28 | 24♒49 | 23♓31 | 7♎44 | 28♒33 | 20♌19 | 25♐57 | 16♎49 | 0♎30 | 1♎14 | 17♑34 | 5♉25 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s44 | 13s10 | 3n57 | 25s55 | 2s37 | 24s 6 | 2s15 | 12s 3 | 1s29 | 0s48 | 1n 4 | 13s48 | 1s12 | 15n 7 | 0n41 | 21s51 | 1n22 | 8n23 | 15n57 | 1s28 | 1s 7 | 17s32 | 12n36 | 0s58 |
| S 2 | 21 53 | 10 16 | 3 12 | 25 53 | 2 35 | 23 57 | 2 16 | 11 47 | 1 27 | 0 51 | 1 4 | 13 47 | 1 12 | 15 7 | 0 41 | 21 51 | 1 22 | 8 22 | 15 57 | 1 27 | 1 6 | 17 32 | 12 35 | 0 58 |
| M 3 | 22 1 | 6 54 | 2 19 | 25 49 | 2 33 | 23 46 | 2 17 | 11 30 | 1 26 | 0 54 | 1 4 | 13 46 | 1 12 | 15 7 | 0 41 | 21 51 | 1 22 | 8 22 | 15 57 | 1 26 | 1 4 | 17 31 | 12 35 | 0 58 |
| T 4 | 22 9 | 3 10 | 1 17 | 25 44 | 2 30 | 23 35 | 2 18 | 11 13 | 1 24 | 0 57 | 1 4 | 13 45 | 1 12 | 15 7 | 0 41 | 21 51 | 1 22 | 8 22 | 15 58 | 1 26 | 1 3 | 17 31 | 12 34 | 0 58 |
| W 5 | 22 17 | 0n49 | 0 11 | 25 39 | 2 27 | 23 23 | 2 19 | 10 56 | 1 23 | 1 0 | 1 5 | 13 43 | 1 12 | 15 8 | 0 41 | 21 51 | 1 22 | 8 22 | 15 58 | 1 27 | 1 2 | 17 30 | 12 33 | 0 58 |
| T 6 | 22 24 | 4 53 | 0s59 | 25 32 | 2 22 | 23 11 | 2 19 | 10 39 | 1 21 | 1 3 | 1 5 | 13 42 | 1 12 | 15 8 | 0 41 | 21 51 | 1 22 | 8 22 | 15 59 | 1 26 | 1 1 | 17 30 | 12 33 | 0 58 |
| F 7 | 22 31 | 8 52 | 2 7 | 25 24 | 2 17 | 22 58 | 2 20 | 10 22 | 1 19 | 1 6 | 1 5 | 13 41 | 1 12 | 15 8 | 0 41 | 21 51 | 1 22 | 8 22 | 15 59 | 1 26 | 0 59 | 17 29 | 12 32 | 0 58 |
| S 8 | 22 37 | 12 29 | 3 10 | 25 15 | 2 10 | 22 44 | 2 20 | 10 5 | 1 18 | 1 9 | 1 5 | 13 40 | 1 12 | 15 8 | 0 41 | 21 51 | 1 22 | 8 22 | 16 0 | 1 24 | 0 58 | 17 29 | 12 31 | 0 58 |
| S 9 | 22 43 | 15 27 | 4 3 | 25 5 | 2 3 | 22 30 | 2 21 | 9 48 | 1 16 | 1 12 | 1 5 | 13 38 | 1 12 | 15 9 | 0 41 | 21 51 | 1 22 | 8 22 | 16 0 | 1 21 | 0 57 | 17 28 | 12 30 | 0 58 |
| M10 | 22 48 | 17 28 | 4 41 | 24 54 | 1 54 | 22 15 | 2 21 | 9 30 | 1 14 | 1 14 | 1 6 | 13 37 | 1 12 | 15 9 | 0 41 | 21 52 | 1 22 | 8 22 | 16 1 | 1 17 | 0 56 | 17 28 | 12 30 | 0 59 |
| T 11 | 22 53 | 18 18 | 4 59 | 24 43 | 1 43 | 22 0 | 2 21 | 9 13 | 1 13 | 1 17 | 1 6 | 13 35 | 1 12 | 15 9 | 0 41 | 21 52 | 1 22 | 8 22 | 16 1 | 1 12 | 0 54 | 17 27 | 12 29 | 0 59 |
| W12 | 22 58 | 17 48 | 4 57 | 24 30 | 1 32 | 21 44 | 2 21 | 8 55 | 1 11 | 1 20 | 1 6 | 13 34 | 1 11 | 15 9 | 0 41 | 21 52 | 1 22 | 8 22 | 16 2 | 1 8 | 0 53 | 17 27 | 12 29 | 0 59 |
| T 13 | 23 2 | 16 4 | 4 33 | 24 17 | 1 19 | 21 27 | 2 21 | 8 38 | 1 10 | 1 22 | 1 6 | 13 32 | 1 11 | 15 10 | 0 42 | 21 52 | 1 22 | 8 22 | 16 2 | 1 4 | 0 52 | 17 26 | 12 28 | 0 59 |
| F 14 | 23 6 | 13 17 | 3 52 | 24 3 | 1 4 | 21 10 | 2 21 | 8 20 | 1 8 | 1 25 | 1 7 | 13 31 | 1 11 | 15 10 | 0 42 | 21 52 | 1 22 | 8 22 | 16 3 | 1 1 | 0 51 | 17 26 | 12 27 | 0 59 |
| S 15 | 23 9 | 9 44 | 2 56 | 23 48 | 0 49 | 20 53 | 2 21 | 8 3 | 1 7 | 1 27 | 1 7 | 13 29 | 1 11 | 15 10 | 0 42 | 21 52 | 1 22 | 8 22 | 16 3 | 0 59 | 0 49 | 17 25 | 12 27 | 0 59 |
| S 16 | 23 12 | 5 44 | 1 51 | 23 33 | 0 32 | 20 34 | 2 20 | 7 45 | 1 5 | 1 30 | 1 7 | 13 28 | 1 11 | 15 11 | 0 42 | 21 52 | 1 22 | 8 22 | 16 4 | 0 58 | 0 48 | 17 25 | 12 26 | 0 59 |
| M17 | 23 14 | 1 33 | 0 42 | 23 17 | 0 13 | 20 16 | 2 20 | 7 27 | 1 3 | 1 32 | 1 7 | 13 26 | 1 11 | 15 11 | 0 42 | 21 52 | 1 22 | 8 22 | 16 4 | 0 58 | 0 47 | 17 24 | 12 26 | 0 59 |
| T 18 | 23 16 | 2s36 | 0n28 | 23 1 | 0n 6 | 19 56 | 2 19 | 7 9 | 1 2 | 1 34 | 1 7 | 13 25 | 1 11 | 15 12 | 0 42 | 21 52 | 1 22 | 8 22 | 16 5 | 0 58 | 0 46 | 17 23 | 12 25 | 0 59 |
| W19 | 23 17 | 6 31 | 1 34 | 22 44 | 0 26 | 19 36 | 2 18 | 6 51 | 1 0 | 1 37 | 1 8 | 13 23 | 1 11 | 15 12 | 0 42 | 21 52 | 1 22 | 8 22 | 16 5 | 0 58 | 0 44 | 17 23 | 12 25 | 0 59 |
| T 20 | 23 18 | 10 4 | 2 34 | 22 27 | 0 46 | 19 16 | 2 17 | 6 33 | 0 59 | 1 39 | 1 8 | 13 21 | 1 11 | 15 12 | 0 42 | 21 52 | 1 22 | 8 22 | 16 6 | 0 57 | 0 43 | 17 22 | 12 24 | 0 59 |
| F 21 | 23 19 | 13 6 | 3 26 | 22 9 | 1 6 | 18 55 | 2 16 | 6 15 | 0 57 | 1 41 | 1 8 | 13 20 | 1 11 | 15 13 | 0 42 | 21 52 | 1 22 | 8 23 | 16 6 | 0 54 | 0 42 | 17 22 | 12 24 | 0 59 |
| S 22 | 23 19 | 15 31 | 4 8 | 21 52 | 1 26 | 18 34 | 2 15 | 5 57 | 0 56 | 1 43 | 1 8 | 13 18 | 1 11 | 15 13 | 0 42 | 21 53 | 1 22 | 8 23 | 16 7 | 0 51 | 0 41 | 17 21 | 12 23 | 0 59 |
| S 23 | 23 18 | 17 14 | 4 38 | 21 35 | 1 44 | 18 12 | 2 14 | 5 39 | 0 55 | 1 45 | 1 9 | 13 16 | 1 11 | 15 14 | 0 42 | 21 53 | 1 22 | 8 23 | 16 8 | 0 46 | 0 39 | 17 21 | 12 23 | 0 59 |
| M24 | 23 17 | 18 9 | 4 55 | 21 18 | 2 1 | 17 50 | 2 13 | 5 21 | 0 53 | 1 47 | 1 9 | 13 14 | 1 11 | 15 14 | 0 42 | 21 53 | 1 22 | 8 23 | 16 8 | 0 41 | 0 38 | 17 20 | 12 22 | 0 59 |
| T 25 | 23 16 | 18 17 | 4 59 | 21 3 | 2 15 | 17 28 | 2 11 | 5 3 | 0 52 | 1 49 | 1 9 | 13 13 | 1 11 | 15 15 | 0 42 | 21 53 | 1 22 | 8 23 | 16 9 | 0 35 | 0 37 | 17 19 | 12 22 | 0 59 |
| W26 | 23 14 | 17 36 | 4 50 | 20 49 | 2 28 | 17 5 | 2 10 | 4 45 | 0 50 | 1 50 | 1 9 | 13 11 | 1 11 | 15 15 | 0 42 | 21 53 | 1 22 | 8 23 | 16 9 | 0 29 | 0 36 | 17 19 | 12 21 | 0 59 |
| T 27 | 23 12 | 16 10 | 4 28 | 20 37 | 2 38 | 16 41 | 2 8 | 4 26 | 0 49 | 1 52 | 1 10 | 13 9 | 1 11 | 15 16 | 0 42 | 21 53 | 1 22 | 8 24 | 16 10 | 0 23 | 0 34 | 17 18 | 12 21 | 0 59 |
| F 28 | 23 9 | 14 2 | 3 55 | 20 28 | 2 46 | 16 18 | 2 6 | 4 8 | 0 47 | 1 54 | 1 10 | 13 7 | 1 11 | 15 16 | 0 42 | 21 53 | 1 22 | 8 24 | 16 10 | 0 19 | 0 33 | 17 18 | 12 21 | 0 59 |
| S 29 | 23 5 | 11 19 | 3 11 | 20 21 | 2 51 | 15 53 | 2 4 | 3 50 | 0 46 | 1 55 | 1 10 | 13 5 | 1 11 | 15 17 | 0 42 | 21 53 | 1 22 | 8 24 | 16 11 | 0 15 | 0 32 | 17 17 | 12 20 | 0 59 |
| S 30 | 23 2 | 8 7 | 2 19 | 20 16 | 2 54 | 15 29 | 2 2 | 3 31 | 0 45 | 1 57 | 1 10 | 13 3 | 1 11 | 15 18 | 0 42 | 21 53 | 1 22 | 8 24 | 16 11 | 0 13 | 0 31 | 17 17 | 12 20 | 0 59 |
| M31 | 22s58 | 4s32 | 1n20 | 20s14 | 2n55 | 15s 4 | 2s 0 | 3s13 | 0s43 | 1s58 | 1n11 | 13s 1 | 1s11 | 15n18 | 0n42 | 21s53 | 1n22 | 8n25 | 16n12 | 0s12 | 0s29 | 17s16 | 12n20 | 0s59 |

Julian Day Number = 2803973.5, Delta T = 51m08s
Ecliptic obliquity = 23°18'42, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°14'50, Lahiri = 37°21'50


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# ASTRODIENST EPHEMERIS for the year 2965
# geocentric

## JANUARY 2965 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 45 11 | 10♑42'17 | 27♓37 | 23°R16 | 25♒58 | 24♓15 | 7♎48 | 28♒38 | 20°R17 | 25♐59 | 16♎50 | 0°D29 | 1♎11 | 17♑41 | 5°R24 | T 1 |
| W 2 | 6 49 8 | 11°43'18 | 10♈14 | 23°D14 | 27° 6 | 24°58 | 7°52 | 28°44 | 20♌15 | 26° 1 | 16°50 | 0°R30 | 1° 8 | 17°47 | 5♉24 | W 2 |
| T 3 | 6 53 5 | 12°44'19 | 23°14 | 23♐23 | 28°14 | 25°42 | 7°56 | 28°50 | 20°14 | 26° 4 | 16°51 | 0♎29 | 1° 4 | 17°54 | 5°23 | T 3 |
| F 4 | 6 57 1 | 13°45'20 | 6♉41 | 23°40 | 29°22 | 26°25 | 7°59 | 28°56 | 20°12 | 26° 6 | 16°51 | 0°27 | 1° 1 | 18° 1 | 5°22 | F 4 |
| S 5 | 7 0 58 | 14°46'21 | 20°38 | 24° 5 | 0♓29 | 27° 9 | 8° 3 | 29° 1 | 20°10 | 26° 8 | 16°52 | 0°23 | 0°58 | 18° 8 | 5°22 | S 5 |
| S 6 | 7 4 54 | 15°47'23 | 5♊ 5 | 24°37 | 1°37 | 27°52 | 8° 6 | 29° 7 | 20° 8 | 26°10 | 16°52 | 0°16 | 0°55 | 18°14 | 5°21 | S 6 |
| M 7 | 7 8 51 | 16°48'25 | 19°58 | 25°16 | 2°44 | 28°36 | 8° 9 | 29°13 | 20° 6 | 26°12 | 16°52 | 0° 7 | 0°52 | 18°21 | 5°21 | M 7 |
| T 8 | 7 12 47 | 17°49'27 | 5♋11 | 26° 1 | 3°51 | 29°19 | 8°12 | 29°19 | 20° 4 | 26°14 | 16°53 | 29♍56 | 0°49 | 18°28 | 5°20 | T 8 |
| W 9 | 7 16 44 | 18°50'30 | 20°34 | 26°51 | 4°58 | 0♈ 2 | 8°14 | 29°25 | 20° 2 | 26°17 | 16°53 | 29°45 | 0°45 | 18°34 | 5°20 | W 9 |
| T 10 | 7 20 40 | 19°51'33 | 5♌53 | 27°45 | 6° 5 | 0°46 | 8°17 | 29°31 | 19°59 | 26°19 | 16°53 | 29°35 | 0°42 | 18°41 | 5°20 | T 10 |
| F 11 | 7 24 37 | 20°52'37 | 20°59 | 28°43 | 7°11 | 1°29 | 8°19 | 29°37 | 19°57 | 26°21 | 16°54 | 29°28 | 0°39 | 18°48 | 5°19 | F 11 |
| S 12 | 7 28 34 | 21°53'41 | 5♍42 | 29°45 | 8°18 | 2°13 | 8°21 | 29°43 | 19°55 | 26°23 | 16°54 | 29°23 | 0°36 | 18°55 | 5°19 | S 12 |
| S 13 | 7 32 30 | 22°54'45 | 19°57 | 0♑50 | 9°24 | 2°56 | 8°23 | 29°50 | 19°53 | 26°25 | 16°54 | 29°21 | 0°33 | 19° 1 | 5°19 | S 13 |
| M14 | 7 36 27 | 23°55'50 | 3♎44 | 1°58 | 10°29 | 3°40 | 8°25 | 29°56 | 19°51 | 26°27 | 16°54 | 29°D21 | 0°29 | 19° 8 | 5°19 | M14 |
| T 15 | 7 40 23 | 24°56'55 | 17° 2 | 3° 9 | 11°35 | 4°23 | 8°26 | 0♓ 2 | 19°48 | 26°29 | 16°54 | 29°21 | 0°26 | 19°15 | 5°D19 | T 15 |
| W16 | 7 44 20 | 25°58'01 | 29°56 | 4°21 | 12°40 | 5° 7 | 8°28 | 0° 9 | 19°46 | 26°31 | 16°55 | 29°R21 | 0°23 | 19°21 | 5°19 | W16 |
| T 17 | 7 48 16 | 26°59'07 | 12♏30 | 5°36 | 13°45 | 5°50 | 8°29 | 0°15 | 19°44 | 26°33 | 16°55 | 29°20 | 0°20 | 19°28 | 5°19 | T 17 |
| F 18 | 7 52 13 | 28° 0'14 | 24°48 | 6°52 | 14°50 | 6°34 | 8°30 | 0°21 | 19°41 | 26°35 | 16°R55 | 29°17 | 0°17 | 19°35 | 5°19 | F 18 |
| S 19 | 7 56 9 | 29° 1'21 | 6♐54 | 8°10 | 15°54 | 7°17 | 8°31 | 0°28 | 19°39 | 26°37 | 16°55 | 29°10 | 0°14 | 19°42 | 5°19 | S 19 |
| S 20 | 8 0 6 | 0♒ 2'28 | 18°53 | 9°29 | 16°58 | 8° 1 | 8°31 | 0°35 | 19°37 | 26°39 | 16°55 | 29° 2 | 0°10 | 19°48 | 5°20 | S 20 |
| M21 | 8 4 3 | 1° 3'36 | 0♑47 | 10°49 | 18° 2 | 8°44 | 8°32 | 0°41 | 19°34 | 26°41 | 16°55 | 28°51 | 0° 7 | 19°55 | 5°20 | M21 |
| T 22 | 8 7 59 | 2° 4'43 | 12°39 | 12°11 | 19° 5 | 9°28 | 8°R32 | 0°48 | 19°32 | 26°43 | 16°54 | 28°39 | 0° 4 | 20° 2 | 5°20 | T 22 |
| W23 | 8 11 56 | 3° 5'51 | 24°30 | 13°33 | 20° 8 | 10°11 | 8°32 | 0°54 | 19°29 | 26°45 | 16°54 | 28°28 | 0° 1 | 20° 8 | 5°21 | W23 |
| T 24 | 8 15 52 | 4° 6'58 | 6♒23 | 14°57 | 21°11 | 10°55 | 8°32 | 1° 1 | 19°27 | 26°47 | 16°54 | 28°17 | 29♍58 | 20°15 | 5°21 | T 24 |
| F 25 | 8 19 49 | 5° 8'05 | 18°18 | 16°21 | 22°14 | 11°38 | 8°31 | 1° 8 | 19°24 | 26°49 | 16°54 | 28° 8 | 29°55 | 20°22 | 5°22 | F 25 |
| S 26 | 8 23 45 | 6° 9'12 | 0♓17 | 17°46 | 23°16 | 12°22 | 8°31 | 1°15 | 19°22 | 26°50 | 16°54 | 28° 2 | 29°51 | 20°29 | 5°22 | S 26 |
| S 27 | 8 27 42 | 7°10'19 | 12°22 | 19°13 | 24°17 | 13° 5 | 8°30 | 1°21 | 19°19 | 26°52 | 16°53 | 27°58 | 29°48 | 20°35 | 5°23 | S 27 |
| M28 | 8 31 38 | 8°11'25 | 24°35 | 20°39 | 25°19 | 13°49 | 8°29 | 1°28 | 19°17 | 26°54 | 16°53 | 27°D56 | 29°45 | 20°42 | 5°24 | M28 |
| T 29 | 8 35 35 | 9°12'30 | 7♈ 0 | 22° 7 | 26°19 | 14°32 | 8°28 | 1°35 | 19°14 | 26°56 | 16°53 | 27°57 | 29°42 | 20°49 | 5°25 | T 29 |
| W30 | 8 39 32 | 10°13'35 | 19°39 | 23°35 | 27°20 | 15°16 | 8°26 | 1°42 | 19°11 | 26°58 | 16°52 | 27°58 | 29°39 | 20°55 | 5°25 | W30 |
| T 31 | 8 43 28 | 11♒14'40 | 2♉37 | 25♑ 3 | 28♓20 | 15♈59 | 8♎25 | 1♓49 | 19♌ 9 | 26♐59 | 16♎52 | 27♍59 | 29♍35 | 21♑ 2 | 5♉26 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s53 | 0s43 | 0n15 | 20s14 | 2n55 | 14s39 | 1s58 | 2s55 | 0s42 | 2s 0 | 1n11 | 13s 0 | 1s11 | 15n19 | 0n42 | 21s53 | 1n22 | 8n25 | 16n13 | 0s12 | 0s28 | 17s15 | 12n19 | 0s59 |
| W 2 | 22 48 | 3n15 | 0s51 | 20 16 | 2 53 | 14 13 | 1 55 | 2 36 | 0 40 | 2 1 | 1 11 | 12 58 | 1 11 | 15 19 | 0 42 | 21 53 | 1 22 | 8 25 | 16 13 | 0 12 | 0 27 | 17 15 | 12 19 | 0 59 |
| T 3 | 22 42 | 7 10 | 1 57 | 20 20 | 2 49 | 13 47 | 1 53 | 2 18 | 0 39 | 2 2 | 1 11 | 12 56 | 1 11 | 15 20 | 0 42 | 21 53 | 1 22 | 8 26 | 16 14 | 0 12 | 0 25 | 17 14 | 12 19 | 0 59 |
| F 4 | 22 36 | 10 51 | 2 59 | 20 25 | 2 45 | 13 21 | 1 50 | 2 0 | 0 38 | 2 3 | 1 12 | 12 54 | 1 11 | 15 21 | 0 42 | 21 53 | 1 22 | 8 26 | 16 14 | 0 11 | 0 24 | 17 14 | 12 19 | 0 59 |
| S 5 | 22 30 | 14 4 | 3 53 | 20 32 | 2 39 | 12 55 | 1 47 | 1 41 | 0 36 | 2 4 | 1 12 | 12 52 | 1 11 | 15 21 | 0 42 | 21 53 | 1 22 | 8 26 | 16 15 | 0 9 | 0 23 | 17 13 | 12 18 | 0 59 |
| S 6 | 22 23 | 16 33 | 4 33 | 20 39 | 2 33 | 12 28 | 1 44 | 1 23 | 0 35 | 2 5 | 1 12 | 12 49 | 1 11 | 15 22 | 0 42 | 21 53 | 1 22 | 8 27 | 16 15 | 0 6 | 0 22 | 17 12 | 12 18 | 0 59 |
| M 7 | 22 16 | 18 0 | 4 57 | 20 48 | 2 26 | 12 1 | 1 41 | 1 4 | 0 34 | 2 6 | 1 12 | 12 47 | 1 11 | 15 23 | 0 42 | 21 54 | 1 22 | 8 27 | 16 16 | 0 3 | 0 20 | 17 12 | 12 18 | 0 59 |
| T 8 | 22 8 | 18 13 | 5 0 | 20 56 | 2 19 | 11 34 | 1 38 | 0 46 | 0 32 | 2 7 | 1 13 | 12 45 | 1 11 | 15 23 | 0 42 | 21 54 | 1 22 | 8 27 | 16 16 | 0n 2 | 0 19 | 17 11 | 12 18 | 0 59 |
| W 9 | 22 0 | 17 6 | 4 42 | 21 6 | 2 11 | 11 6 | 1 34 | 0 28 | 0 31 | 2 8 | 1 13 | 12 43 | 1 11 | 15 24 | 0 42 | 21 54 | 1 22 | 8 28 | 16 17 | 0 6 | 0 18 | 17 11 | 12 18 | 0 59 |
| T 10 | 21 51 | 14 45 | 4 4 | 21 15 | 2 3 | 10 38 | 1 31 | 0 9 | 0 30 | 2 9 | 1 13 | 12 41 | 1 11 | 15 25 | 0 42 | 21 54 | 1 22 | 8 28 | 16 18 | 0 10 | 0 17 | 17 10 | 12 18 | 0 59 |
| F 11 | 21 42 | 11 26 | 3 9 | 21 24 | 1 54 | 10 10 | 1 27 | 0n 9 | 0 29 | 2 9 | 1 14 | 12 39 | 1 11 | 15 25 | 0 42 | 21 54 | 1 22 | 8 29 | 16 18 | 0 13 | 0 15 | 17 9 | 12 17 | 0 59 |
| S 12 | 21 33 | 7 29 | 2 2 | 21 33 | 1 46 | 9 42 | 1 23 | 0 28 | 0 27 | 2 10 | 1 14 | 12 37 | 1 11 | 15 26 | 0 43 | 21 54 | 1 22 | 8 29 | 16 19 | 0 15 | 0 14 | 17 9 | 12 17 | 0 59 |
| S 13 | 21 23 | 3 12 | 0 50 | 21 41 | 1 37 | 9 14 | 1 19 | 0 46 | 0 26 | 2 10 | 1 14 | 12 35 | 1 11 | 15 27 | 0 43 | 21 54 | 1 22 | 8 30 | 16 19 | 0 15 | 0 13 | 17 8 | 12 17 | 1 0 |
| M14 | 21 12 | 1s 7 | 0n23 | 21 50 | 1 28 | 8 45 | 1 15 | 1 4 | 0 25 | 2 11 | 1 14 | 12 32 | 1 11 | 15 28 | 0 43 | 21 54 | 1 22 | 8 30 | 16 20 | 0 16 | 0 12 | 17 7 | 12 17 | 1 0 |
| T 15 | 21 2 | 5 14 | 1 33 | 21 57 | 1 19 | 8 17 | 1 11 | 1 23 | 0 24 | 2 11 | 1 15 | 12 30 | 1 11 | 15 28 | 0 43 | 21 54 | 1 22 | 8 30 | 16 20 | 0 15 | 0 10 | 17 7 | 12 17 | 1 0 |
| W16 | 20 50 | 8 58 | 2 35 | 22 4 | 1 11 | 7 48 | 1 7 | 1 41 | 0 22 | 2 11 | 1 15 | 12 28 | 1 11 | 15 29 | 0 43 | 21 54 | 1 22 | 8 31 | 16 21 | 0 15 | 0 9 | 17 6 | 12 17 | 1 0 |
| T 17 | 20 39 | 12 11 | 3 29 | 22 10 | 1 2 | 7 19 | 1 2 | 1 59 | 0 21 | 2 12 | 1 15 | 12 26 | 1 11 | 15 30 | 0 43 | 21 54 | 1 22 | 8 31 | 16 22 | 0 16 | 0 8 | 17 6 | 12 17 | 1 0 |
| F 18 | 20 27 | 14 48 | 4 11 | 22 15 | 0 53 | 6 50 | 0 58 | 2 17 | 0 20 | 2 12 | 1 15 | 12 23 | 1 11 | 15 31 | 0 43 | 21 54 | 1 22 | 8 32 | 16 22 | 0 17 | 0 7 | 17 5 | 12 17 | 1 0 |
| S 19 | 20 15 | 16 43 | 4 42 | 22 19 | 0 44 | 6 21 | 0 53 | 2 35 | 0 19 | 2 12 | 1 16 | 12 21 | 1 11 | 15 31 | 0 43 | 21 54 | 1 22 | 8 33 | 16 23 | 0 20 | 0 5 | 17 4 | 12 17 | 1 0 |
| S 20 | 20 2 | 17 53 | 4 59 | 22 23 | 0 36 | 5 52 | 0 48 | 2 54 | 0 18 | 2 12 | 1 16 | 12 19 | 1 11 | 15 32 | 0 43 | 21 54 | 1 22 | 8 33 | 16 23 | 0 23 | 0 4 | 17 4 | 12 17 | 1 0 |
| M21 | 19 49 | 18 15 | 5 4 | 22 25 | 0 27 | 5 22 | 0 43 | 3 12 | 0 16 | 2 12 | 1 16 | 12 16 | 1 11 | 15 33 | 0 43 | 21 54 | 1 22 | 8 34 | 16 24 | 0 27 | 0 3 | 17 3 | 12 17 | 1 0 |
| T 22 | 19 35 | 17 49 | 4 55 | 22 26 | 0 19 | 4 53 | 0 38 | 3 30 | 0 15 | 2 12 | 1 16 | 12 14 | 1 11 | 15 34 | 0 43 | 21 54 | 1 22 | 8 34 | 16 24 | 0 32 | 0 2 | 17 2 | 12 18 | 1 0 |
| W23 | 19 22 | 16 37 | 4 34 | 22 27 | 0 11 | 4 23 | 0 33 | 3 48 | 0 14 | 2 11 | 1 17 | 12 12 | 1 11 | 15 34 | 0 43 | 21 54 | 1 22 | 8 35 | 16 25 | 0 37 | 0 0 | 17 2 | 12 18 | 1 0 |
| T 24 | 19 7 | 14 42 | 4 0 | 22 26 | 0 3 | 3 54 | 0 27 | 4 6 | 0 13 | 2 11 | 1 17 | 12 9 | 1 11 | 15 35 | 0 43 | 21 54 | 1 22 | 8 35 | 16 26 | 0 41 | 0n 1 | 17 1 | 12 18 | 1 0 |
| F 25 | 18 53 | 12 9 | 3 16 | 22 24 | 0s 5 | 3 24 | 0 22 | 4 24 | 0 12 | 2 11 | 1 17 | 12 7 | 1 11 | 15 36 | 0 43 | 21 54 | 1 22 | 8 36 | 16 26 | 0 44 | 0 2 | 17 0 | 12 18 | 1 0 |
| S 26 | 18 38 | 9 5 | 2 23 | 22 21 | 0 13 | 2 54 | 0 16 | 4 42 | 0 11 | 2 10 | 1 18 | 12 5 | 1 11 | 15 37 | 0 43 | 21 54 | 1 22 | 8 37 | 16 27 | 0 47 | 0 3 | 17 0 | 12 18 | 1 0 |
| S 27 | 18 23 | 5 36 | 1 23 | 22 17 | 0 20 | 2 25 | 0 10 | 5 0 | 0 10 | 2 10 | 1 18 | 12 2 | 1 11 | 15 38 | 0 43 | 21 54 | 1 22 | 8 37 | 16 27 | 0 48 | 0 5 | 16 59 | 12 18 | 1 0 |
| M28 | 18 7 | 1 52 | 0 18 | 22 11 | 0 28 | 1 55 | 0 4 | 5 17 | 0 8 | 2 9 | 1 18 | 12 0 | 1 11 | 15 38 | 0 43 | 21 54 | 1 22 | 8 38 | 16 28 | 0 49 | 0 6 | 16 58 | 12 19 | 1 0 |
| T 29 | 17 51 | 2n 1 | 0s49 | 22 5 | 0 35 | 1 26 | 0n 2 | 5 35 | 0 7 | 2 8 | 1 18 | 11 57 | 1 11 | 15 39 | 0 43 | 21 54 | 1 22 | 8 38 | 16 28 | 0 49 | 0 7 | 16 58 | 12 19 | 1 0 |
| W30 | 17 35 | 5 53 | 1 55 | 21 57 | 0 42 | 0 56 | 0 8 | 5 53 | 0 6 | 2 7 | 1 19 | 11 55 | 1 11 | 15 40 | 0 43 | 21 54 | 1 22 | 8 39 | 16 29 | 0 48 | 0 8 | 16 57 | 12 19 | 1 0 |
| T 31 | 17s19 | 9n33 | 2s56 | 21s48 | 0s48 | 0s26 | 0n14 | 6n11 | 0s 5 | 2s 7 | 1n19 | 11s53 | 1s11 | 15n41 | 0n43 | 21s54 | 1n22 | 8n40 | 16n29 | 0n48 | 0n10 | 16s56 | 12n19 | 1s 0 |

Julian Day Number = 2804004.5, Delta T = 51m08s
Ecliptic obliquity = 23°18'41, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°14'54, Lahiri = 37°21'54


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# ASTRODIENST EPHEMERIS for the year 2965
# geocentric

## FEBRUARY 2965 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 8 47 25 | 12♒15'43 | 15♉58 | 26♋33 | 29♓19 | 16♈43 | 8°R23 | 1♓56 | 19°R 6 | 27♐ 1 | 16°R51 | 27°R59 | 29♍32 | 21♋ 9 | 5♉27 | F 1 |
| S 2 | 8 51 21 | 13°16'46 | 29°43 | 28° 3 | 0♈19 | 17°26 | 8♎21 | 2° 3 | 19♌ 4 | 27° 3 | 16♎51 | 27♍58 | 29°29 | 21°16 | 5°28 | S 2 |
| S 3 | 8 55 18 | 14°17'48 | 13♊54 | 29°33 | 1°17 | 18° 9 | 8°19 | 2°10 | 19° 1 | 27° 5 | 16°50 | 27°55 | 29°26 | 21°22 | 5°29 | S 3 |
| M 4 | 8 59 14 | 15°18'50 | 28°30 | 1♒ 4 | 2°15 | 18°53 | 8°17 | 2°17 | 18°58 | 27° 6 | 16°50 | 27°50 | 29°23 | 21°29 | 5°30 | M 4 |
| T 5 | 9 3 11 | 16°19'50 | 13♋26 | 2°36 | 3°13 | 19°36 | 8°14 | 2°24 | 18°56 | 27° 8 | 16°49 | 27°43 | 29°20 | 21°36 | 5°31 | T 5 |
| W 6 | 9 7 7 | 17°20'50 | 28°35 | 4° 8 | 4°10 | 20°20 | 8°12 | 2°31 | 18°53 | 27° 9 | 16°49 | 27°37 | 29°16 | 21°42 | 5°33 | W 6 |
| T 7 | 9 11 4 | 18°21'49 | 13♌47 | 5°41 | 5° 6 | 21° 3 | 8° 9 | 2°38 | 18°51 | 27°11 | 16°48 | 27°31 | 29°13 | 21°49 | 5°34 | T 7 |
| F 8 | 9 15 1 | 19°22'47 | 28°51 | 7°15 | 6° 2 | 21°46 | 8° 6 | 2°45 | 18°48 | 27°13 | 16°47 | 27°27 | 29°10 | 21°56 | 5°35 | F 8 |
| S 9 | 9 18 57 | 20°23'45 | 13♍39 | 8°49 | 6°57 | 22°29 | 8° 2 | 2°52 | 18°45 | 27°14 | 16°47 | 27°24 | 29° 7 | 22° 3 | 5°37 | S 9 |
| S 10 | 9 22 54 | 21°24'42 | 28° 3 | 10°24 | 7°51 | 23°13 | 7°59 | 2°59 | 18°43 | 27°16 | 16°46 | 27°D23 | 29° 4 | 22° 9 | 5°38 | S 10 |
| M11 | 9 26 50 | 22°25'38 | 12♎ 0 | 11°59 | 8°45 | 23°56 | 7°55 | 3° 6 | 18°40 | 27°17 | 16°45 | 27°24 | 29° 1 | 22°16 | 5°40 | M11 |
| T 12 | 9 30 47 | 23°26'34 | 25°29 | 13°35 | 9°38 | 24°39 | 7°52 | 3°13 | 18°38 | 27°19 | 16°44 | 27°26 | 28°57 | 22°23 | 5°41 | T 12 |
| W13 | 9 34 43 | 24°27'29 | 8♏31 | 15°12 | 10°31 | 25°22 | 7°48 | 3°21 | 18°35 | 27°20 | 16°44 | 27°27 | 28°54 | 22°29 | 5°43 | W13 |
| T 14 | 9 38 40 | 25°28'23 | 21°11 | 16°49 | 11°23 | 26° 5 | 7°44 | 3°28 | 18°32 | 27°21 | 16°43 | 27°R28 | 28°51 | 22°36 | 5°44 | T 14 |
| F 15 | 9 42 36 | 26°29'17 | 3♐32 | 18°27 | 12°14 | 26°49 | 7°39 | 3°35 | 18°30 | 27°23 | 16°42 | 27°28 | 28°48 | 22°43 | 5°46 | F 15 |
| S 16 | 9 46 33 | 27°30'11 | 15°38 | 20° 6 | 13° 4 | 27°32 | 7°35 | 3°42 | 18°27 | 27°24 | 16°41 | 27°27 | 28°45 | 22°50 | 5°48 | S 16 |
| S 17 | 9 50 30 | 28°31'03 | 27°36 | 21°45 | 13°53 | 28°15 | 7°30 | 3°49 | 18°25 | 27°26 | 16°40 | 27°24 | 28°41 | 22°56 | 5°49 | S 17 |
| M18 | 9 54 26 | 29°31'55 | 9♑28 | 23°25 | 14°42 | 28°58 | 7°25 | 3°56 | 18°22 | 27°27 | 16°39 | 27°19 | 28°38 | 23° 3 | 5°51 | M18 |
| T 19 | 9 58 23 | 0♓32'46 | 21°18 | 25° 6 | 15°29 | 29°41 | 7°21 | 4° 4 | 18°19 | 27°28 | 16°38 | 27°15 | 28°35 | 23°10 | 5°53 | T 19 |
| W20 | 10 2 19 | 1°33'37 | 3♒10 | 26°48 | 16°16 | 0♉24 | 7°15 | 4°11 | 18°17 | 27°29 | 16°37 | 27°10 | 28°32 | 23°16 | 5°55 | W20 |
| T 21 | 10 6 16 | 2°34'26 | 15° 6 | 28°30 | 17° 2 | 1° 7 | 7°10 | 4°18 | 18°14 | 27°31 | 16°36 | 27° 5 | 28°29 | 23°23 | 5°57 | T 21 |
| F 22 | 10 10 12 | 3°35'14 | 27° 7 | 0♓13 | 17°47 | 1°50 | 7° 5 | 4°25 | 18°12 | 27°32 | 16°35 | 27° 2 | 28°26 | 23°30 | 5°59 | F 22 |
| S 23 | 10 14 9 | 4°36'01 | 9♓17 | 1°57 | 18°30 | 2°33 | 6°59 | 4°33 | 18° 9 | 27°33 | 16°34 | 26°59 | 28°22 | 23°37 | 6° 1 | S 23 |
| S 24 | 10 18 5 | 5°36'46 | 21°35 | 3°42 | 19°13 | 3°16 | 6°54 | 4°40 | 18° 7 | 27°34 | 16°33 | 26°D58 | 28°19 | 23°43 | 6° 3 | S 24 |
| M25 | 10 22 2 | 6°37'31 | 4♈ 3 | 5°27 | 19°54 | 3°59 | 6°48 | 4°47 | 18° 4 | 27°35 | 16°31 | 26°58 | 28°16 | 23°50 | 6° 5 | M25 |
| T 26 | 10 25 59 | 7°38'13 | 16°44 | 7°14 | 20°35 | 4°42 | 6°42 | 4°54 | 18° 2 | 27°36 | 16°30 | 26°59 | 28°13 | 23°57 | 6° 8 | T 26 |
| W27 | 10 29 55 | 8°38'55 | 29°37 | 9° 1 | 21°14 | 5°25 | 6°36 | 5° 1 | 18° 0 | 27°37 | 16°29 | 27° 1 | 28°10 | 24° 3 | 6°10 | W27 |
| T 28 | 10 33 52 | 9♓39'35 | 12♉45 | 10♓49 | 21♈52 | 6♉ 7 | 6♎29 | 5♓ 9 | 17♌57 | 27♐38 | 16♎28 | 27♍ 2 | 28♍ 6 | 24♋10 | 6♉12 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 17s 2 | 12n51 | 3s50 | 21s38 | 0s55 | 0n 3 | 0n21 | 6n28 | 0s 4 | 2s 6 | 1n19 | 11s50 | 1s11 | 15n42 | 0n43 | 21s54 | 1n22 | 8n40 | 16n30 | 0n48 | 0n11 | 16s56 | 12n20 | 1s 0 | F 1 |
| S 2 | 16 45 | 15 32 | 4 33 | 21 26 | 1 1 | 0 33 | 0 27 | 6 46 | 0 3 | 2 5 | 1 19 | 11 48 | 1 11 | 15 43 | 0 43 | 21 54 | 1 22 | 8 41 | 16 30 | 0 48 | 0 12 | 16 55 | 12 20 | 1 0 | S 2 |
| S 3 | 16 27 | 17 23 | 5 0 | 21 14 | 1 7 | 1 2 | 0 34 | 7 3 | 0 2 | 2 4 | 1 20 | 11 45 | 1 11 | 15 43 | 0 43 | 21 54 | 1 22 | 8 42 | 16 31 | 0 50 | 0 13 | 16 54 | 12 20 | 1 0 | S 3 |
| M 4 | 16 9 | 18 9 | 5 9 | 21 0 | 1 13 | 1 31 | 0 41 | 7 20 | 0 1 | 2 2 | 1 20 | 11 43 | 1 11 | 15 44 | 0 43 | 21 54 | 1 22 | 8 42 | 16 31 | 0 52 | 0 15 | 16 54 | 12 21 | 1 0 | M 4 |
| T 5 | 15 51 | 17 42 | 4 58 | 20 45 | 1 18 | 2 0 | 0 48 | 7 38 | 0 0 | 2 1 | 1 20 | 11 40 | 1 11 | 15 45 | 0 43 | 21 54 | 1 23 | 8 43 | 16 32 | 0 54 | 0 16 | 16 53 | 12 21 | 1 0 | T 5 |
| W 6 | 15 33 | 16 0 | 4 26 | 20 28 | 1 24 | 2 30 | 0 55 | 7 55 | 0n 1 | 2 0 | 1 20 | 11 38 | 1 11 | 15 46 | 0 43 | 21 54 | 1 23 | 8 44 | 16 33 | 0 57 | 0 17 | 16 52 | 12 21 | 1 0 | W 6 |
| T 7 | 15 15 | 13 10 | 3 35 | 20 11 | 1 29 | 2 58 | 1 3 | 8 12 | 0 2 | 1 59 | 1 21 | 11 35 | 1 11 | 15 47 | 0 43 | 21 54 | 1 23 | 8 44 | 16 33 | 0 59 | 0 19 | 16 52 | 12 22 | 1 0 | T 7 |
| F 8 | 14 56 | 9 29 | 2 29 | 19 52 | 1 33 | 3 27 | 1 10 | 8 29 | 0 3 | 1 57 | 1 21 | 11 33 | 1 11 | 15 47 | 0 43 | 21 54 | 1 23 | 8 45 | 16 34 | 1 1 | 0 20 | 16 51 | 12 22 | 1 0 | F 8 |
| S 9 | 14 37 | 5 15 | 1 14 | 19 32 | 1 38 | 3 56 | 1 18 | 8 46 | 0 4 | 1 56 | 1 21 | 11 30 | 1 11 | 15 48 | 0 43 | 21 54 | 1 23 | 8 46 | 16 34 | 1 2 | 0 21 | 16 50 | 12 23 | 1 0 | S 9 |
| S 10 | 14 17 | 0 50 | 0n 4 | 19 11 | 1 42 | 4 24 | 1 25 | 9 3 | 0 5 | 1 54 | 1 21 | 11 28 | 1 11 | 15 49 | 0 43 | 21 54 | 1 23 | 8 47 | 16 35 | 1 2 | 0 22 | 16 50 | 12 23 | 1 0 | S 10 |
| M11 | 13 58 | 3s30 | 1 19 | 18 48 | 1 46 | 4 53 | 1 33 | 9 20 | 0 6 | 1 53 | 1 22 | 11 25 | 1 11 | 15 50 | 0 43 | 21 54 | 1 23 | 8 47 | 16 35 | 1 2 | 0 24 | 16 49 | 12 24 | 1 0 | M11 |
| T 12 | 13 38 | 7 31 | 2 27 | 18 24 | 1 50 | 5 21 | 1 41 | 9 36 | 0 7 | 1 51 | 1 22 | 11 23 | 1 11 | 15 51 | 0 43 | 21 54 | 1 23 | 8 48 | 16 36 | 1 1 | 0 25 | 16 48 | 12 24 | 1 0 | T 12 |
| W13 | 13 18 | 11 1 | 3 26 | 17 59 | 1 53 | 5 49 | 1 49 | 9 53 | 0 8 | 1 49 | 1 22 | 11 20 | 1 11 | 15 51 | 0 43 | 21 54 | 1 23 | 8 49 | 16 36 | 1 0 | 0 26 | 16 47 | 12 25 | 1 0 | W13 |
| T 14 | 12 58 | 13 54 | 4 13 | 17 33 | 1 56 | 6 16 | 1 57 | 10 9 | 0 9 | 1 47 | 1 22 | 11 18 | 1 11 | 15 52 | 0 43 | 21 54 | 1 23 | 8 50 | 16 36 | 1 0 | 0 27 | 16 47 | 12 25 | 1 0 | T 14 |
| F 15 | 12 37 | 16 4 | 4 46 | 17 6 | 1 58 | 6 44 | 2 5 | 10 26 | 0 10 | 1 45 | 1 23 | 11 15 | 1 11 | 15 53 | 0 43 | 21 54 | 1 23 | 8 50 | 16 37 | 1 0 | 0 29 | 16 46 | 12 26 | 1 0 | F 15 |
| S 16 | 12 17 | 17 28 | 5 6 | 16 37 | 2 1 | 7 11 | 2 14 | 10 42 | 0 11 | 1 43 | 1 23 | 11 12 | 1 11 | 15 54 | 0 43 | 21 54 | 1 23 | 8 51 | 16 37 | 1 1 | 0 30 | 16 45 | 12 26 | 1 0 | S 16 |
| S 17 | 11 56 | 18 5 | 5 13 | 16 7 | 2 3 | 7 38 | 2 22 | 10 58 | 0 11 | 1 41 | 1 23 | 11 10 | 1 11 | 15 55 | 0 43 | 21 54 | 1 23 | 8 52 | 16 38 | 1 2 | 0 31 | 16 45 | 12 27 | 1 0 | S 17 |
| M18 | 11 35 | 17 53 | 5 6 | 15 36 | 2 4 | 8 5 | 2 31 | 11 14 | 0 12 | 1 39 | 1 23 | 11 7 | 1 12 | 15 55 | 0 43 | 21 54 | 1 23 | 8 53 | 16 38 | 1 4 | 0 32 | 16 44 | 12 27 | 1 0 | M18 |
| T 19 | 11 13 | 16 55 | 4 46 | 15 3 | 2 5 | 8 31 | 2 40 | 11 30 | 0 13 | 1 37 | 1 24 | 11 5 | 1 12 | 15 56 | 0 43 | 21 54 | 1 23 | 8 53 | 16 39 | 1 5 | 0 34 | 16 43 | 12 28 | 1 0 | T 19 |
| W20 | 10 52 | 15 14 | 4 14 | 14 30 | 2 6 | 8 57 | 2 48 | 11 46 | 0 14 | 1 35 | 1 24 | 11 2 | 1 12 | 15 57 | 0 43 | 21 54 | 1 23 | 8 54 | 16 39 | 1 7 | 0 35 | 16 42 | 12 28 | 1 0 | W20 |
| T 21 | 10 30 | 12 52 | 3 30 | 13 55 | 2 7 | 9 23 | 2 57 | 12 2 | 0 15 | 1 33 | 1 24 | 11 0 | 1 12 | 15 58 | 0 43 | 21 54 | 1 23 | 8 55 | 16 40 | 1 9 | 0 36 | 16 42 | 12 29 | 1 0 | T 21 |
| F 22 | 10 8 | 9 57 | 2 37 | 13 19 | 2 7 | 9 49 | 3 6 | 12 18 | 0 16 | 1 30 | 1 24 | 10 57 | 1 12 | 15 59 | 0 43 | 21 54 | 1 23 | 8 56 | 16 40 | 1 10 | 0 37 | 16 41 | 12 30 | 1 0 | F 22 |
| S 23 | 9 46 | 6 34 | 1 36 | 12 41 | 2 6 | 10 14 | 3 15 | 12 33 | 0 17 | 1 28 | 1 24 | 10 55 | 1 12 | 15 59 | 0 43 | 21 54 | 1 23 | 8 57 | 16 40 | 1 11 | 0 39 | 16 40 | 12 30 | 1 0 | S 23 |
| S 24 | 9 24 | 2 52 | 0 30 | 12 3 | 2 5 | 10 38 | 3 25 | 12 49 | 0 17 | 1 26 | 1 25 | 10 52 | 1 12 | 16 0 | 0 43 | 21 54 | 1 23 | 8 57 | 16 41 | 1 12 | 0 40 | 16 39 | 12 31 | 1 0 | S 24 |
| M25 | 9 2 | 1n 0 | 0s39 | 11 23 | 2 4 | 11 3 | 3 34 | 13 4 | 0 18 | 1 23 | 1 25 | 10 49 | 1 12 | 16 1 | 0 43 | 21 54 | 1 23 | 8 58 | 16 41 | 1 12 | 0 41 | 16 39 | 12 32 | 1 0 | M25 |
| T 26 | 8 40 | 4 53 | 1 47 | 10 42 | 2 2 | 11 27 | 3 43 | 13 19 | 0 19 | 1 21 | 1 25 | 10 47 | 1 12 | 16 2 | 0 43 | 21 54 | 1 23 | 8 59 | 16 42 | 1 11 | 0 42 | 16 38 | 12 32 | 1 0 | T 26 |
| W27 | 8 17 | 8 37 | 2 51 | 10 0 | 2 0 | 11 50 | 3 53 | 13 34 | 0 20 | 1 18 | 1 25 | 10 44 | 1 12 | 16 2 | 0 43 | 21 54 | 1 23 | 9 0 | 16 42 | 1 11 | 0 44 | 16 37 | 12 33 | 1 0 | W27 |
| T 28 | 7s54 | 11n59 | 3s47 | 9s17 | 1s57 | 12n13 | 4n 2 | 13n49 | 0n21 | 1s15 | 1n25 | 10s42 | 1s12 | 16n 3 | 0n43 | 21s54 | 1n23 | 9n 1 | 16n42 | 1n10 | 0n45 | 16s36 | 12n34 | 1s 1 | T 28 |

Julian Day Number = 2804035.5, Delta T = 51m09s
Ecliptic obliquity = 23°18'42, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°14'58, Lahiri = 37°21'59


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# ASTRODIENST EPHEMERIS for the year 2965
# geocentric

## MARCH 2965 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 37 48 | 10♓40'14 | 26♉ 9 | 12♓37 | 22♈28 | 6♉50 | 6°R23 | 5♓16 | 17°R55 | 27♐39 | 16°R27 | 27♍ 3 | 28♍ 3 | 24♑17 | 6♉15 | F 1 |
| S 2 | 10 41 45 | 11°40'50 | 9♊52 | 14°26 | 23° 4 | 7°33 | 6♎17 | 5°23 | 17♌53 | 27°40 | 16♎25 | 27°R 4 | 28° 0 | 24°23 | 6°17 | S 2 |
| S 3 | 10 45 41 | 12°41'26 | 23°52 | 16°16 | 23°37 | 8°16 | 6°10 | 5°30 | 17°50 | 27°41 | 16°24 | 27° 4 | 27°57 | 24°30 | 6°19 | S 3 |
| M 4 | 10 49 38 | 13°41'59 | 8♋10 | 18° 7 | 24°10 | 8°59 | 6° 3 | 5°37 | 17°48 | 27°42 | 16°23 | 27° 3 | 27°54 | 24°37 | 6°22 | M 4 |
| T 5 | 10 53 34 | 14°42'31 | 22°43 | 19°58 | 24°40 | 9°41 | 5°57 | 5°45 | 17°46 | 27°43 | 16°21 | 27° 1 | 27°51 | 24°44 | 6°24 | T 5 |
| W 6 | 10 57 31 | 15°43'01 | 7♌25 | 21°50 | 25° 9 | 10°24 | 5°50 | 5°52 | 17°43 | 27°43 | 16°20 | 27° 0 | 27°47 | 24°50 | 6°27 | W 6 |
| T 7 | 11 1 27 | 16°43'29 | 22°13 | 23°42 | 25°37 | 11° 6 | 5°43 | 5°59 | 17°41 | 27°44 | 16°19 | 26°59 | 27°44 | 24°57 | 6°29 | T 7 |
| F 8 | 11 5 24 | 17°43'56 | 6♍57 | 25°34 | 26° 3 | 11°49 | 5°36 | 6° 6 | 17°39 | 27°45 | 16°17 | 26°58 | 27°41 | 25° 4 | 6°32 | F 8 |
| S 9 | 11 9 21 | 18°44'21 | 21°31 | 27°26 | 26°26 | 12°32 | 5°28 | 6°13 | 17°37 | 27°46 | 16°16 | 26°D57 | 27°38 | 25°10 | 6°35 | S 9 |
| S 10 | 11 13 17 | 19°44'44 | 5♎49 | 29°18 | 26°49 | 13°14 | 5°21 | 6°20 | 17°35 | 27°46 | 16°15 | 26°57 | 27°35 | 25°17 | 6°37 | S 10 |
| M11 | 11 17 14 | 20°45'06 | 19°45 | 1♈10 | 27° 9 | 13°57 | 5°14 | 6°27 | 17°33 | 27°47 | 16°13 | 26°58 | 27°32 | 25°24 | 6°40 | M11 |
| T 12 | 11 21 10 | 21°45'26 | 3♏18 | 3° 1 | 27°27 | 14°39 | 5° 6 | 6°34 | 17°31 | 27°48 | 16°12 | 26°58 | 27°28 | 25°31 | 6°43 | T 12 |
| W13 | 11 25 7 | 22°45'45 | 16°26 | 4°51 | 27°43 | 15°21 | 4°59 | 6°42 | 17°29 | 27°48 | 16°10 | 26°59 | 27°25 | 25°37 | 6°46 | W13 |
| T 14 | 11 29 3 | 23°46'03 | 29°12 | 6°40 | 27°57 | 16° 4 | 4°51 | 6°49 | 17°27 | 27°49 | 16° 9 | 26°59 | 27°22 | 25°44 | 6°49 | T 14 |
| F 15 | 11 33 0 | 24°46'19 | 11♐39 | 8°27 | 28° 9 | 16°46 | 4°44 | 6°56 | 17°25 | 27°49 | 16° 7 | 26°59 | 27°19 | 25°51 | 6°51 | F 15 |
| S 16 | 11 36 56 | 25°46'34 | 23°49 | 10°12 | 28°19 | 17°29 | 4°36 | 7° 3 | 17°23 | 27°50 | 16° 6 | 26°R59 | 27°16 | 25°57 | 6°54 | S 16 |
| S 17 | 11 40 53 | 26°46'48 | 5♑49 | 11°55 | 28°26 | 18°11 | 4°29 | 7°10 | 17°21 | 27°50 | 16° 4 | 26°D59 | 27°12 | 26° 4 | 6°57 | S 17 |
| M18 | 11 44 50 | 27°47'00 | 17°41 | 13°34 | 28°31 | 18°53 | 4°21 | 7°16 | 17°19 | 27°51 | 16° 3 | 26°59 | 27° 9 | 26°11 | 7° 0 | M18 |
| T 19 | 11 48 46 | 28°47'10 | 29°32 | 15°10 | 28°34 | 19°35 | 4°13 | 7°23 | 17°17 | 27°51 | 16° 1 | 26°59 | 27° 6 | 26°17 | 7° 3 | T 19 |
| W20 | 11 52 43 | 29°47'19 | 11♒25 | 16°42 | 28°R35 | 20°18 | 4° 5 | 7°30 | 17°16 | 27°51 | 16° 0 | 27° 0 | 27° 3 | 26°24 | 7° 6 | W20 |
| T 21 | 11 56 39 | 0♈47'27 | 23°24 | 18° 9 | 28°32 | 21° 0 | 3°58 | 7°37 | 17°14 | 27°52 | 15°58 | 27° 0 | 27° 0 | 26°31 | 7° 9 | T 21 |
| F 22 | 12 0 36 | 1°47'33 | 5♓33 | 19°30 | 28°28 | 21°42 | 3°50 | 7°44 | 17°12 | 27°52 | 15°56 | 27° 1 | 26°57 | 26°38 | 7°12 | F 22 |
| S 23 | 12 4 32 | 2°47'37 | 17°53 | 20°46 | 28°21 | 22°24 | 3°42 | 7°51 | 17°11 | 27°52 | 15°55 | 27° 1 | 26°53 | 26°44 | 7°15 | S 23 |
| S 24 | 12 8 29 | 3°47'39 | 0♈27 | 21°56 | 28°11 | 23° 6 | 3°34 | 7°58 | 17° 9 | 27°52 | 15°53 | 27°R 1 | 26°50 | 26°51 | 7°19 | S 24 |
| M25 | 12 12 25 | 4°47'39 | 13°15 | 22°58 | 27°59 | 23°48 | 3°26 | 8° 4 | 17° 8 | 27°52 | 15°52 | 27° 1 | 26°47 | 26°58 | 7°22 | M25 |
| T 26 | 12 16 22 | 5°47'38 | 26°17 | 23°54 | 27°45 | 24°30 | 3°18 | 8°11 | 17° 6 | 27°53 | 15°50 | 27° 0 | 26°44 | 27° 4 | 7°25 | T 26 |
| W27 | 12 20 18 | 6°47'35 | 9♉34 | 24°41 | 27°28 | 25°12 | 3°11 | 8°18 | 17° 5 | 27°53 | 15°48 | 26°59 | 26°41 | 27°11 | 7°28 | W27 |
| T 28 | 12 24 15 | 7°47'29 | 23° 4 | 25°21 | 27° 9 | 25°54 | 3° 3 | 8°24 | 17° 3 | 27°53 | 15°47 | 26°57 | 26°37 | 27°18 | 7°31 | T 28 |
| F 29 | 12 28 12 | 8°47'22 | 6♊46 | 25°52 | 26°47 | 26°36 | 2°55 | 8°31 | 17° 2 | 27°53 | 15°45 | 26°56 | 26°34 | 27°25 | 7°35 | F 29 |
| S 30 | 12 32 8 | 9°47'12 | 20°38 | 26°15 | 26°23 | 27°18 | 2°47 | 8°37 | 17° 1 | 27°R53 | 15°43 | 26°55 | 26°31 | 27°31 | 7°38 | S 30 |
| S 31 | 12 36 5 | 10♈47'01 | 4♋40 | 26♈30 | 25♈57 | 28♉ 0 | 2♎40 | 8♓44 | 16♌59 | 27♐53 | 15♎42 | 26°D54 | 26♍28 | 27♑38 | 7♉41 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 7s32 | 14n47 | 4s32 | 8s33 | 1s54 | 12n36 | 4n12 | 14n 4 | 0n22 | 1s13 | 1n25 | 10s39 | 1s12 | 16n 4 | 0n43 | 21s54 | 1n23 | 9n 1 | 16n43 | 1n10 | 0n46 | 16s36 | 12n35 | 1s 1 | F 1 |
| S 2 | 7 9 | 16 49 | 5 2 | 7 47 | 1 50 | 12 58 | 4 22 | 14 19 | 0 22 | 1 10 | 1 26 | 10 37 | 1 12 | 16 4 | 0 43 | 21 54 | 1 23 | 9 2 | 16 43 | 1 10 | 0 47 | 16 35 | 12 35 | 1 1 | S 2 |
| S 3 | 6 46 | 17 55 | 5 16 | 7 1 | 1 46 | 13 20 | 4 31 | 14 33 | 0 23 | 1 7 | 1 26 | 10 34 | 1 12 | 16 5 | 0 43 | 21 54 | 1 23 | 9 3 | 16 44 | 1 10 | 0 49 | 16 34 | 12 36 | 1 1 | S 3 |
| M 4 | 6 23 | 17 54 | 5 11 | 6 14 | 1 41 | 13 41 | 4 41 | 14 47 | 0 24 | 1 5 | 1 26 | 10 31 | 1 12 | 16 6 | 0 43 | 21 54 | 1 23 | 9 4 | 16 44 | 1 10 | 0 50 | 16 33 | 12 37 | 1 1 | M 4 |
| T 5 | 5 59 | 16 43 | 4 45 | 5 25 | 1 36 | 14 1 | 4 51 | 15 2 | 0 25 | 1 2 | 1 26 | 10 29 | 1 12 | 16 6 | 0 43 | 21 54 | 1 24 | 9 5 | 16 44 | 1 11 | 0 51 | 16 33 | 12 38 | 1 1 | T 5 |
| W 6 | 5 36 | 14 25 | 4 1 | 4 36 | 1 29 | 14 21 | 5 1 | 15 16 | 0 25 | 0 59 | 1 26 | 10 26 | 1 13 | 16 7 | 0 43 | 21 54 | 1 24 | 9 5 | 16 45 | 1 11 | 0 52 | 16 32 | 12 39 | 1 1 | W 6 |
| T 7 | 5 13 | 11 11 | 3 1 | 3 46 | 1 23 | 14 40 | 5 11 | 15 30 | 0 26 | 0 56 | 1 26 | 10 24 | 1 13 | 16 8 | 0 43 | 21 54 | 1 24 | 9 6 | 16 45 | 1 12 | 0 54 | 16 31 | 12 39 | 1 1 | T 7 |
| F 8 | 4 49 | 7 14 | 1 49 | 2 55 | 1 16 | 14 59 | 5 21 | 15 44 | 0 27 | 0 53 | 1 27 | 10 21 | 1 13 | 16 8 | 0 43 | 21 54 | 1 24 | 9 7 | 16 45 | 1 12 | 0 55 | 16 30 | 12 40 | 1 1 | F 8 |
| S 9 | 4 26 | 2 53 | 0 30 | 2 3 | 1 8 | 15 17 | 5 31 | 15 57 | 0 28 | 0 50 | 1 27 | 10 19 | 1 13 | 16 9 | 0 43 | 21 54 | 1 24 | 9 8 | 16 46 | 1 12 | 0 56 | 16 30 | 12 41 | 1 1 | S 9 |
| S 10 | 4 2 | 1s33 | 0n49 | 1 11 | 0 59 | 15 34 | 5 41 | 16 11 | 0 28 | 0 47 | 1 27 | 10 16 | 1 13 | 16 10 | 0 43 | 21 54 | 1 24 | 9 9 | 16 46 | 1 12 | 0 57 | 16 29 | 12 42 | 1 1 | S 10 |
| M11 | 3 39 | 5 47 | 2 3 | 0 18 | 0 50 | 15 51 | 5 50 | 16 24 | 0 29 | 0 44 | 1 27 | 10 14 | 1 13 | 16 10 | 0 43 | 21 54 | 1 24 | 9 9 | 16 46 | 1 12 | 0 59 | 16 28 | 12 43 | 1 1 | M11 |
| T 12 | 3 15 | 9 35 | 3 8 | 0n34 | 0 40 | 16 6 | 6 0 | 16 37 | 0 30 | 0 41 | 1 27 | 10 11 | 1 13 | 16 11 | 0 43 | 21 54 | 1 24 | 9 10 | 16 46 | 1 12 | 1 0 | 16 27 | 12 44 | 1 1 | T 12 |
| W13 | 2 51 | 12 48 | 4 2 | 1 27 | 0 30 | 16 21 | 6 10 | 16 50 | 0 30 | 0 38 | 1 27 | 10 9 | 1 13 | 16 12 | 0 43 | 21 54 | 1 24 | 9 11 | 16 47 | 1 12 | 1 1 | 16 27 | 12 44 | 1 1 | W13 |
| T 14 | 2 28 | 15 18 | 4 41 | 2 20 | 0 19 | 16 35 | 6 19 | 17 3 | 0 31 | 0 35 | 1 27 | 10 6 | 1 13 | 16 12 | 0 43 | 21 54 | 1 24 | 9 12 | 16 47 | 1 12 | 1 3 | 16 26 | 12 45 | 1 1 | T 14 |
| F 15 | 2 4 | 17 0 | 5 6 | 3 13 | 0 8 | 16 49 | 6 29 | 17 16 | 0 32 | 0 32 | 1 27 | 10 3 | 1 13 | 16 13 | 0 43 | 21 54 | 1 24 | 9 13 | 16 47 | 1 11 | 1 4 | 16 25 | 12 46 | 1 1 | F 15 |
| S 16 | 1 40 | 17 53 | 5 17 | 4 5 | 0n 4 | 17 1 | 6 38 | 17 29 | 0 32 | 0 29 | 1 27 | 10 1 | 1 13 | 16 13 | 0 43 | 21 54 | 1 24 | 9 13 | 16 47 | 1 11 | 1 5 | 16 24 | 12 47 | 1 1 | S 16 |
| S 17 | 1 16 | 17 58 | 5 14 | 4 56 | 0 16 | 17 12 | 6 47 | 17 41 | 0 33 | 0 26 | 1 28 | 9 59 | 1 14 | 16 14 | 0 43 | 21 54 | 1 24 | 9 14 | 16 48 | 1 11 | 1 6 | 16 23 | 12 48 | 1 1 | S 17 |
| M18 | 0 53 | 17 14 | 4 57 | 5 47 | 0 29 | 17 22 | 6 56 | 17 53 | 0 34 | 0 23 | 1 28 | 9 56 | 1 14 | 16 14 | 0 43 | 21 54 | 1 24 | 9 15 | 16 48 | 1 11 | 1 8 | 16 23 | 12 49 | 1 1 | M18 |
| T 19 | 0 29 | 15 46 | 4 28 | 6 36 | 0 42 | 17 31 | 7 5 | 18 5 | 0 34 | 0 20 | 1 28 | 9 54 | 1 14 | 16 15 | 0 43 | 21 54 | 1 24 | 9 16 | 16 48 | 1 11 | 1 9 | 16 22 | 12 50 | 1 1 | T 19 |
| W20 | 0 5 | 13 37 | 3 47 | 7 23 | 0 56 | 17 39 | 7 13 | 18 17 | 0 35 | 0 16 | 1 28 | 9 51 | 1 14 | 16 15 | 0 43 | 21 54 | 1 24 | 9 16 | 16 48 | 1 11 | 1 10 | 16 21 | 12 51 | 1 1 | W20 |
| T 21 | 0n19 | 10 52 | 2 56 | 8 9 | 1 9 | 17 46 | 7 21 | 18 29 | 0 36 | 0 13 | 1 28 | 9 49 | 1 14 | 16 16 | 0 43 | 21 54 | 1 24 | 9 17 | 16 49 | 1 11 | 1 11 | 16 20 | 12 52 | 1 1 | T 21 |
| F 22 | 0 43 | 7 37 | 1 56 | 8 52 | 1 22 | 17 52 | 7 29 | 18 41 | 0 36 | 0 10 | 1 28 | 9 46 | 1 14 | 16 16 | 0 43 | 21 53 | 1 24 | 9 18 | 16 49 | 1 11 | 1 13 | 16 19 | 12 53 | 1 1 | F 22 |
| S 23 | 1 6 | 3 59 | 0 50 | 9 33 | 1 36 | 17 56 | 7 37 | 18 52 | 0 37 | 0 7 | 1 28 | 9 44 | 1 14 | 16 17 | 0 43 | 21 53 | 1 24 | 9 19 | 16 49 | 1 11 | 1 14 | 16 19 | 12 54 | 1 1 | S 23 |
| S 24 | 1 30 | 0 7 | 0s19 | 10 11 | 1 49 | 17 59 | 7 44 | 19 3 | 0 38 | 0 4 | 1 28 | 9 41 | 1 14 | 16 17 | 0 42 | 21 53 | 1 24 | 9 19 | 16 49 | 1 11 | 1 15 | 16 18 | 12 55 | 1 1 | S 24 |
| M25 | 1 54 | 3n50 | 1 29 | 10 47 | 2 2 | 18 1 | 7 50 | 19 14 | 0 38 | 0 1 | 1 28 | 9 39 | 1 14 | 16 18 | 0 42 | 21 53 | 1 24 | 9 20 | 16 49 | 1 11 | 1 16 | 16 17 | 12 56 | 1 1 | M25 |
| T 26 | 2 17 | 7 41 | 2 35 | 11 19 | 2 15 | 18 1 | 7 56 | 19 25 | 0 39 | 0n 2 | 1 28 | 9 37 | 1 14 | 16 18 | 0 42 | 21 53 | 1 24 | 9 21 | 16 49 | 1 11 | 1 18 | 16 16 | 12 57 | 1 1 | T 26 |
| W27 | 2 41 | 11 12 | 3 35 | 11 47 | 2 26 | 18 0 | 8 1 | 19 36 | 0 39 | 0 5 | 1 28 | 9 34 | 1 15 | 16 18 | 0 42 | 21 53 | 1 24 | 9 22 | 16 49 | 1 12 | 1 19 | 16 15 | 12 58 | 1 1 | W27 |
| T 28 | 3 5 | 14 12 | 4 23 | 12 12 | 2 38 | 17 57 | 8 6 | 19 46 | 0 40 | 0 9 | 1 28 | 9 32 | 1 15 | 16 19 | 0 42 | 21 53 | 1 24 | 9 22 | 16 50 | 1 12 | 1 20 | 16 15 | 12 59 | 1 1 | T 28 |
| F 29 | 3 28 | 16 26 | 4 57 | 12 33 | 2 48 | 17 53 | 8 10 | 19 57 | 0 40 | 0 12 | 1 28 | 9 29 | 1 15 | 16 19 | 0 42 | 21 53 | 1 25 | 9 23 | 16 50 | 1 13 | 1 21 | 16 14 | 13 0 | 1 2 | F 29 |
| S 30 | 3 51 | 17 45 | 5 15 | 12 50 | 2 57 | 17 47 | 8 14 | 20 7 | 0 41 | 0 15 | 1 28 | 9 27 | 1 15 | 16 20 | 0 42 | 21 53 | 1 25 | 9 24 | 16 50 | 1 13 | 1 23 | 16 13 | 13 1 | 1 2 | S 30 |
| S 31 | 4n15 | 18n 0 | 5s14 | 13n 3 | 3n 5 | 17n40 | 8n16 | 20n17 | 0n42 | 0n18 | 1n28 | 9s25 | 1s15 | 16n20 | 0n42 | 21s53 | 1n25 | 9n24 | 16n50 | 1n13 | 1n24 | 16s12 | 13n 2 | 1s 2 | S 31 |

Julian Day Number = 2804063.5, Delta T = 51m09s
Ecliptic obliquity = 23°18'42, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°15'02, Lahiri = 37°22'02


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# ASTRODIENST EPHEMERIS for the year 2965
# geocentric

## APRIL 2965 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 40 1 | 11♈46'47 | 18♋50 | 26°R36 | 25°R29 | 28♉41 | 2°R32 | 8♓50 | 16°R58 | 27°R53 | 15°R40 | 26♍54 | 26♍25 | 27♉45 | 7♉45 | M 1 |
| T 2 | 12 43 58 | 12°46'30 | 3♌ 5 | 26♈33 | 24♈59 | 29°23 | 2♎24 | 8°57 | 16♌57 | 27♐53 | 15♎39 | 26°55 | 26°22 | 27°51 | 7°48 | T 2 |
| W 3 | 12 47 54 | 13°46'12 | 17°23 | 26°22 | 24°27 | 0♊ 5 | 2°17 | 9° 3 | 16°56 | 27°52 | 15°37 | 26°56 | 26°18 | 27°58 | 7°51 | W 3 |
| T 4 | 12 51 51 | 14°45'51 | 1♍42 | 26° 4 | 23°54 | 0°47 | 2° 9 | 9°10 | 16°55 | 27°52 | 15°35 | 26°57 | 26°15 | 28° 5 | 7°55 | T 4 |
| F 5 | 12 55 47 | 15°45'28 | 15°57 | 25°39 | 23°20 | 1°28 | 2° 2 | 9°16 | 16°54 | 27°52 | 15°34 | 26°58 | 26°12 | 28°11 | 7°58 | F 5 |
| S 6 | 12 59 44 | 16°45'03 | 0♎ 5 | 25° 7 | 22°44 | 2°10 | 1°54 | 9°22 | 16°53 | 27°52 | 15°32 | 26°R59 | 26° 9 | 28°18 | 8° 2 | S 6 |
| S 7 | 13 3 41 | 17°44'36 | 14° 2 | 24°29 | 22° 7 | 2°51 | 1°47 | 9°28 | 16°52 | 27°52 | 15°30 | 26°58 | 26° 6 | 28°25 | 8° 5 | S 7 |
| M 8 | 13 7 37 | 18°44'07 | 27°44 | 23°46 | 21°30 | 3°33 | 1°40 | 9°34 | 16°51 | 27°51 | 15°29 | 26°56 | 26° 3 | 28°32 | 8° 9 | M 8 |
| T 9 | 13 11 34 | 19°43'36 | 11♏ 8 | 23° 0 | 20°52 | 4°14 | 1°33 | 9°41 | 16°50 | 27°51 | 15°27 | 26°53 | 25°59 | 28°38 | 8°12 | T 9 |
| W10 | 13 15 30 | 20°43'03 | 24°13 | 22°10 | 20°15 | 4°56 | 1°26 | 9°47 | 16°50 | 27°51 | 15°25 | 26°49 | 25°56 | 28°45 | 8°16 | W10 |
| T 11 | 13 19 27 | 21°42'29 | 6♐59 | 21°19 | 19°37 | 5°37 | 1°19 | 9°53 | 16°49 | 27°50 | 15°24 | 26°45 | 25°53 | 28°52 | 8°19 | T 11 |
| F 12 | 13 23 23 | 22°41'52 | 19°27 | 20°27 | 19° 0 | 6°19 | 1°12 | 9°59 | 16°48 | 27°50 | 15°22 | 26°42 | 25°50 | 28°58 | 8°23 | F 12 |
| S 13 | 13 27 20 | 23°41'14 | 1♑40 | 19°36 | 18°23 | 7° 0 | 1° 5 | 10° 5 | 16°48 | 27°49 | 15°20 | 26°39 | 25°47 | 29° 5 | 8°26 | S 13 |
| S 14 | 13 31 16 | 24°40'34 | 13°41 | 18°46 | 17°47 | 7°41 | 0°58 | 10°10 | 16°47 | 27°49 | 15°19 | 26°37 | 25°43 | 29°12 | 8°30 | S 14 |
| M15 | 13 35 13 | 25°39'53 | 25°35 | 17°58 | 17°13 | 8°23 | 0°52 | 10°16 | 16°47 | 27°48 | 15°17 | 26°D36 | 25°40 | 29°18 | 8°33 | M15 |
| T 16 | 13 39 10 | 26°39'09 | 7♒26 | 17°13 | 16°39 | 9° 4 | 0°45 | 10°22 | 16°46 | 27°48 | 15°16 | 26°37 | 25°37 | 29°25 | 8°37 | T 16 |
| W17 | 13 43 6 | 27°38'24 | 19°20 | 16°32 | 16° 7 | 9°45 | 0°39 | 10°28 | 16°46 | 27°47 | 15°14 | 26°38 | 25°34 | 29°32 | 8°41 | W17 |
| T 18 | 13 47 3 | 28°37'37 | 1♓21 | 15°55 | 15°37 | 10°26 | 0°33 | 10°33 | 16°46 | 27°47 | 15°12 | 26°40 | 25°31 | 29°39 | 8°44 | T 18 |
| F 19 | 13 50 59 | 29°36'49 | 13°33 | 15°23 | 15° 9 | 11° 7 | 0°27 | 10°39 | 16°45 | 27°46 | 15°11 | 26°42 | 25°28 | 29°45 | 8°48 | F 19 |
| S 20 | 13 54 56 | 0♉35'58 | 26° 1 | 14°57 | 14°43 | 11°49 | 0°21 | 10°44 | 16°45 | 27°45 | 15° 9 | 26°R42 | 25°24 | 29°52 | 8°51 | S 20 |
| S 21 | 13 58 52 | 1°35'06 | 8♈47 | 14°35 | 14°18 | 12°30 | 0°15 | 10°50 | 16°45 | 27°45 | 15° 8 | 26°42 | 25°21 | 29°59 | 8°55 | S 21 |
| M22 | 14 2 49 | 2°34'12 | 21°53 | 14°19 | 13°56 | 13°11 | 0° 9 | 10°55 | 16°45 | 27°44 | 15° 6 | 26°39 | 25°18 | 0♒ 5 | 8°59 | M22 |
| T 23 | 14 6 45 | 3°33'16 | 5♉18 | 14° 9 | 13°37 | 13°52 | 0° 4 | 11° 1 | 16°45 | 27°43 | 15° 4 | 26°35 | 25°15 | 0°12 | 9° 2 | T 23 |
| W24 | 14 10 42 | 4°32'17 | 19° 1 | 14°D 4 | 13°19 | 14°33 | 29♍58 | 11° 6 | 16°D45 | 27°42 | 15° 3 | 26°30 | 25°12 | 0°19 | 9° 6 | W24 |
| T 25 | 14 14 38 | 5°31'17 | 2♊59 | 14° 4 | 13° 4 | 15°14 | 29°53 | 11°11 | 16°45 | 27°41 | 15° 1 | 26°23 | 25° 9 | 0°25 | 9°10 | T 25 |
| F 26 | 14 18 35 | 6°30'15 | 17° 8 | 14°10 | 12°52 | 15°55 | 29°48 | 11°16 | 16°45 | 27°41 | 15° 0 | 26°17 | 25° 5 | 0°32 | 9°13 | F 26 |
| S 27 | 14 22 32 | 7°29'11 | 1♋22 | 14°21 | 12°41 | 16°36 | 29°43 | 11°21 | 16°45 | 27°40 | 14°58 | 26°12 | 25° 2 | 0°39 | 9°17 | S 27 |
| S 28 | 14 26 28 | 8°28'05 | 15°38 | 14°36 | 12°34 | 17°16 | 29°38 | 11°26 | 16°45 | 27°39 | 14°57 | 26° 8 | 24°59 | 0°45 | 9°20 | S 28 |
| M29 | 14 30 25 | 9°26'56 | 29°53 | 14°57 | 12°28 | 17°57 | 29°33 | 11°31 | 16°46 | 27°38 | 14°55 | 26° 6 | 24°56 | 0°52 | 9°24 | M29 |
| T 30 | 14 34 21 | 10♉25'45 | 14♌ 3 | 15♈22 | 12♈26 | 18♊38 | 29♍29 | 11♓36 | 16♌46 | 27♐37 | 14♎54 | 26°D 6 | 24♍53 | 0♒59 | 9♉28 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 4n38 | 17n 9 | 4s54 | 13n12 | 3n12 | 17n32 | 8n18 | 20n27 | 0n42 | 0n21 | 1n28 | 9s23 | 1s15 | 16n20 | 0n42 | 21s53 | 1n25 | 9n25 | 16n50 | 1n13 | 1n25 | 16s11 | 13n 3 | 1s 2 |
| T 2 | 5 1 | 15 13 | 4 16 | 13 16 | 3 18 | 17 21 | 8 19 | 20 36 | 0 43 | 0 24 | 1 28 | 9 20 | 1 15 | 16 21 | 0 42 | 21 53 | 1 25 | 9 26 | 16 50 | 1 13 | 1 26 | 16 10 | 13 4 | 1 2 |
| W 3 | 5 24 | 12 20 | 3 22 | 13 16 | 3 22 | 17 10 | 8 20 | 20 46 | 0 43 | 0 27 | 1 28 | 9 18 | 1 15 | 16 21 | 0 42 | 21 53 | 1 25 | 9 26 | 16 50 | 1 13 | 1 28 | 16 10 | 13 5 | 1 2 |
| T 4 | 5 47 | 8 42 | 2 15 | 13 11 | 3 24 | 16 57 | 8 19 | 20 55 | 0 44 | 0 30 | 1 28 | 9 16 | 1 16 | 16 21 | 0 42 | 21 53 | 1 25 | 9 27 | 16 50 | 1 12 | 1 29 | 16 9 | 13 6 | 1 2 |
| F 5 | 6 10 | 4 35 | 1 1 | 13 2 | 3 25 | 16 42 | 8 17 | 21 4 | 0 44 | 0 33 | 1 28 | 9 13 | 1 16 | 16 22 | 0 42 | 21 53 | 1 25 | 9 28 | 16 50 | 1 12 | 1 30 | 16 8 | 13 7 | 1 2 |
| S 6 | 6 33 | 0 14 | 0n17 | 12 49 | 3 23 | 16 27 | 8 15 | 21 13 | 0 45 | 0 36 | 1 28 | 9 11 | 1 16 | 16 22 | 0 42 | 21 53 | 1 25 | 9 28 | 16 50 | 1 12 | 1 31 | 16 7 | 13 8 | 1 2 |
| S 7 | 6 56 | 4s 5 | 1 33 | 12 33 | 3 20 | 16 10 | 8 11 | 21 22 | 0 45 | 0 38 | 1 28 | 9 9 | 1 16 | 16 22 | 0 42 | 21 53 | 1 25 | 9 29 | 16 50 | 1 12 | 1 33 | 16 6 | 13 9 | 1 2 |
| M 8 | 7 18 | 8 6 | 2 41 | 12 12 | 3 15 | 15 52 | 8 7 | 21 30 | 0 46 | 0 41 | 1 28 | 9 7 | 1 16 | 16 22 | 0 42 | 21 53 | 1 25 | 9 30 | 16 50 | 1 13 | 1 34 | 16 5 | 13 10 | 1 2 |
| T 9 | 7 41 | 11 36 | 3 40 | 11 49 | 3 9 | 15 32 | 8 2 | 21 38 | 0 46 | 0 44 | 1 28 | 9 5 | 1 16 | 16 22 | 0 42 | 21 53 | 1 25 | 9 30 | 16 50 | 1 14 | 1 35 | 16 5 | 13 11 | 1 2 |
| W10 | 8 3 | 14 27 | 4 25 | 11 23 | 3 0 | 15 12 | 7 56 | 21 46 | 0 47 | 0 47 | 1 28 | 9 3 | 1 16 | 16 23 | 0 42 | 21 53 | 1 25 | 9 31 | 16 50 | 1 15 | 1 36 | 16 4 | 13 12 | 1 2 |
| T 11 | 8 25 | 16 30 | 4 56 | 10 54 | 2 50 | 14 51 | 7 49 | 21 54 | 0 47 | 0 49 | 1 28 | 9 0 | 1 17 | 16 23 | 0 42 | 21 53 | 1 25 | 9 32 | 16 50 | 1 17 | 1 38 | 16 3 | 13 13 | 1 2 |
| F 12 | 8 47 | 17 43 | 5 11 | 10 24 | 2 39 | 14 30 | 7 41 | 22 2 | 0 48 | 0 52 | 1 28 | 8 58 | 1 17 | 16 23 | 0 42 | 21 53 | 1 25 | 9 32 | 16 50 | 1 18 | 1 39 | 16 2 | 13 14 | 1 2 |
| S 13 | 9 9 | 18 5 | 5 13 | 9 53 | 2 26 | 14 8 | 7 32 | 22 9 | 0 48 | 0 55 | 1 27 | 8 56 | 1 17 | 16 23 | 0 42 | 21 53 | 1 25 | 9 33 | 16 50 | 1 20 | 1 40 | 16 1 | 13 15 | 1 2 |
| S 14 | 9 31 | 17 38 | 5 0 | 9 21 | 2 12 | 13 45 | 7 22 | 22 17 | 0 49 | 0 57 | 1 27 | 8 54 | 1 17 | 16 23 | 0 42 | 21 52 | 1 25 | 9 33 | 16 50 | 1 20 | 1 41 | 16 0 | 13 17 | 1 2 |
| M15 | 9 52 | 16 24 | 4 35 | 8 49 | 1 57 | 13 23 | 7 12 | 22 24 | 0 49 | 1 0 | 1 27 | 8 52 | 1 17 | 16 23 | 0 42 | 21 52 | 1 25 | 9 34 | 16 50 | 1 21 | 1 43 | 15 59 | 13 18 | 1 2 |
| T 16 | 10 14 | 14 29 | 3 58 | 8 18 | 1 42 | 13 0 | 7 1 | 22 30 | 0 50 | 1 2 | 1 27 | 8 50 | 1 17 | 16 24 | 0 42 | 21 52 | 1 25 | 9 34 | 16 50 | 1 20 | 1 44 | 15 58 | 13 19 | 1 2 |
| W17 | 10 35 | 11 56 | 3 10 | 7 47 | 1 26 | 12 37 | 6 50 | 22 37 | 0 50 | 1 5 | 1 27 | 8 48 | 1 17 | 16 24 | 0 42 | 21 52 | 1 25 | 9 35 | 16 50 | 1 20 | 1 45 | 15 58 | 13 20 | 1 3 |
| T 18 | 10 56 | 8 51 | 2 14 | 7 18 | 1 10 | 12 14 | 6 38 | 22 44 | 0 50 | 1 7 | 1 27 | 8 46 | 1 18 | 16 24 | 0 42 | 21 52 | 1 25 | 9 35 | 16 50 | 1 19 | 1 46 | 15 57 | 13 21 | 1 3 |
| F 19 | 11 17 | 5 20 | 1 11 | 6 51 | 0 53 | 11 52 | 6 26 | 22 50 | 0 51 | 1 9 | 1 27 | 8 44 | 1 18 | 16 24 | 0 42 | 21 52 | 1 25 | 9 36 | 16 50 | 1 18 | 1 48 | 15 56 | 13 22 | 1 3 |
| S 20 | 11 37 | 1 31 | 0 4 | 6 26 | 0 37 | 11 30 | 6 13 | 22 56 | 0 51 | 1 12 | 1 27 | 8 42 | 1 18 | 16 24 | 0 42 | 21 52 | 1 25 | 9 36 | 16 50 | 1 18 | 1 49 | 15 55 | 13 23 | 1 3 |
| S 21 | 11 58 | 2n28 | 1s 6 | 6 3 | 0 21 | 11 8 | 5 59 | 23 2 | 0 52 | 1 14 | 1 27 | 8 40 | 1 18 | 16 24 | 0 42 | 21 52 | 1 25 | 9 37 | 16 50 | 1 18 | 1 50 | 15 54 | 13 24 | 1 3 |
| M22 | 12 18 | 6 25 | 2 13 | 5 42 | 0 5 | 10 47 | 5 46 | 23 7 | 0 52 | 1 16 | 1 27 | 8 38 | 1 18 | 16 24 | 0 42 | 21 52 | 1 25 | 9 37 | 16 50 | 1 19 | 1 51 | 15 53 | 13 25 | 1 3 |
| T 23 | 12 38 | 10 9 | 3 15 | 5 24 | 0s10 | 10 27 | 5 32 | 23 13 | 0 52 | 1 18 | 1 26 | 8 36 | 1 18 | 16 24 | 0 42 | 21 52 | 1 25 | 9 38 | 16 49 | 1 21 | 1 53 | 15 52 | 13 26 | 1 3 |
| W24 | 12 58 | 13 26 | 4 6 | 5 8 | 0 25 | 10 7 | 5 18 | 23 18 | 0 53 | 1 20 | 1 26 | 8 35 | 1 18 | 16 24 | 0 42 | 21 52 | 1 26 | 9 38 | 16 49 | 1 23 | 1 54 | 15 51 | 13 27 | 1 3 |
| T 25 | 13 18 | 15 59 | 4 44 | 4 55 | 0 39 | 9 48 | 5 4 | 23 23 | 0 53 | 1 22 | 1 26 | 8 33 | 1 19 | 16 24 | 0 42 | 21 52 | 1 26 | 9 39 | 16 49 | 1 26 | 1 55 | 15 51 | 13 28 | 1 3 |
| F 26 | 13 37 | 17 37 | 5 6 | 4 44 | 0 53 | 9 31 | 4 50 | 23 28 | 0 54 | 1 24 | 1 26 | 8 31 | 1 19 | 16 24 | 0 42 | 21 52 | 1 26 | 9 39 | 16 49 | 1 28 | 1 56 | 15 50 | 13 30 | 1 3 |
| S 27 | 13 56 | 18 10 | 5 8 | 4 36 | 1 6 | 9 14 | 4 36 | 23 32 | 0 54 | 1 26 | 1 26 | 8 29 | 1 19 | 16 24 | 0 41 | 21 52 | 1 26 | 9 40 | 16 49 | 1 30 | 1 58 | 15 49 | 13 31 | 1 3 |
| S 28 | 14 15 | 17 34 | 4 52 | 4 31 | 1 19 | 8 58 | 4 22 | 23 37 | 0 54 | 1 27 | 1 26 | 8 28 | 1 19 | 16 23 | 0 41 | 21 52 | 1 26 | 9 40 | 16 49 | 1 32 | 1 59 | 15 48 | 13 32 | 1 3 |
| M29 | 14 34 | 15 52 | 4 18 | 4 28 | 1 30 | 8 43 | 4 8 | 23 41 | 0 55 | 1 29 | 1 26 | 8 26 | 1 19 | 16 23 | 0 41 | 21 52 | 1 26 | 9 40 | 16 48 | 1 33 | 2 0 | 15 47 | 13 33 | 1 3 |
| T 30 | 14n52 | 13n12 | 3s28 | 4n28 | 1s41 | 8n29 | 3n54 | 23n45 | 0n55 | 1n31 | 1n25 | 8s24 | 1s19 | 16n23 | 0n41 | 21s52 | 1n26 | 9n41 | 16n48 | 1n33 | 2n 1 | 15s46 | 13n34 | 1s 3 |

Julian Day Number = 2804094.5, Delta T = 51m10s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°15'06, Lahiri = 37°22'07


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# ASTRODIENST EPHEMERIS for the year 2965
# geocentric

## MAY 2965 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 38 18 | 11♉24'32 | 28♌ 7 | 15♈52 | 12°D25 | 19♊19 | 29°R24 | 11♓41 | 16♌46 | 27°R36 | 14°R53 | 26♍ 6 | 24♍49 | 1♒ 6 | 9♉31 | W 1 |
| T 2 | 14 42 14 | 12°23'16 | 12♍ 5 | 16°25 | 12♈27 | 19°59 | 29♍20 | 11°45 | 16°47 | 27♐35 | 14♎51 | 26° 8 | 24°46 | 1°12 | 9°35 | T 2 |
| F 3 | 14 46 11 | 13°21'58 | 25°54 | 17° 3 | 12°31 | 20°40 | 29°16 | 11°50 | 16°47 | 27°34 | 14°50 | 26°R 8 | 24°43 | 1°19 | 9°39 | F 3 |
| S 4 | 14 50 7 | 14°20'38 | 9♎35 | 17°44 | 12°38 | 21°21 | 29°12 | 11°55 | 16°48 | 27°33 | 14°48 | 26° 7 | 24°40 | 1°26 | 9°42 | S 4 |
| S 5 | 14 54 4 | 15°19'16 | 23° 5 | 18°30 | 12°46 | 22° 1 | 29° 9 | 11°59 | 16°48 | 27°32 | 14°47 | 26° 4 | 24°37 | 1°32 | 9°46 | S 5 |
| M 6 | 14 58 1 | 16°17'52 | 6♏24 | 19°18 | 12°57 | 22°42 | 29° 5 | 12° 4 | 16°49 | 27°31 | 14°46 | 25°59 | 24°34 | 1°39 | 9°50 | M 6 |
| T 7 | 15 1 57 | 17°16'27 | 19°31 | 20°10 | 13°10 | 23°22 | 29° 2 | 12° 8 | 16°50 | 27°30 | 14°44 | 25°52 | 24°30 | 1°46 | 9°53 | T 7 |
| W 8 | 15 5 54 | 18°14'59 | 2♐23 | 21° 5 | 13°25 | 24° 3 | 28°59 | 12°12 | 16°50 | 27°29 | 14°43 | 25°43 | 24°27 | 1°52 | 9°57 | W 8 |
| T 9 | 15 9 50 | 19°13'29 | 15° 1 | 22° 3 | 13°42 | 24°43 | 28°56 | 12°16 | 16°51 | 27°27 | 14°42 | 25°33 | 24°24 | 1°59 | 10° 1 | T 9 |
| F 10 | 15 13 47 | 20°11'58 | 27°24 | 23° 4 | 14° 1 | 25°24 | 28°53 | 12°21 | 16°52 | 27°26 | 14°40 | 25°24 | 24°21 | 2° 6 | 10° 4 | F 10 |
| S 11 | 15 17 43 | 21°10'26 | 9♑35 | 24° 8 | 14°22 | 26° 4 | 28°50 | 12°25 | 16°53 | 27°25 | 14°39 | 25°15 | 24°18 | 2°13 | 10° 8 | S 11 |
| S 12 | 15 21 40 | 22° 8'51 | 21°35 | 25°14 | 14°44 | 26°45 | 28°48 | 12°29 | 16°54 | 27°24 | 14°38 | 25° 9 | 24°15 | 2°19 | 10°11 | S 12 |
| M13 | 15 25 36 | 23° 7'15 | 3♒28 | 26°23 | 15° 9 | 27°25 | 28°46 | 12°32 | 16°55 | 27°22 | 14°37 | 25° 4 | 24°11 | 2°26 | 10°15 | M13 |
| T 14 | 15 29 33 | 24° 5'37 | 15°19 | 27°35 | 15°35 | 28° 5 | 28°44 | 12°36 | 16°56 | 27°21 | 14°35 | 25° 2 | 24° 8 | 2°33 | 10°18 | T 14 |
| W15 | 15 33 30 | 25° 3'58 | 27°11 | 28°49 | 16° 2 | 28°45 | 28°42 | 12°40 | 16°57 | 27°20 | 14°34 | 25°D 2 | 24° 5 | 2°39 | 10°22 | W15 |
| T 16 | 15 37 26 | 26° 2'18 | 9♓11 | 0♉ 5 | 16°31 | 29°26 | 28°40 | 12°44 | 16°58 | 27°19 | 14°33 | 25° 2 | 24° 2 | 2°46 | 10°26 | T 16 |
| F 17 | 15 41 23 | 27° 0'36 | 21°24 | 1°23 | 17° 2 | 0♋ 6 | 28°39 | 12°47 | 16°59 | 27°17 | 14°32 | 25°R 3 | 23°59 | 2°53 | 10°29 | F 17 |
| S 18 | 15 45 19 | 27°58'52 | 3♈55 | 2°44 | 17°34 | 0°46 | 28°37 | 12°51 | 17° 1 | 27°16 | 14°31 | 25° 3 | 23°55 | 2°59 | 10°33 | S 18 |
| S 19 | 15 49 16 | 28°57'07 | 16°47 | 4° 7 | 18° 7 | 1°26 | 28°36 | 12°54 | 17° 2 | 27°15 | 14°30 | 25° 0 | 23°52 | 3° 6 | 10°36 | S 19 |
| M20 | 15 53 12 | 29°55'20 | 0♉ 3 | 5°32 | 18°42 | 2° 6 | 28°35 | 12°57 | 17° 3 | 27°13 | 14°29 | 24°56 | 23°49 | 3°13 | 10°40 | M20 |
| T 21 | 15 57 9 | 0♊53'32 | 13°45 | 6°59 | 19°18 | 2°46 | 28°34 | 13° 0 | 17° 5 | 27°12 | 14°28 | 24°49 | 23°46 | 3°19 | 10°43 | T 21 |
| W22 | 16 1 5 | 1°51'43 | 27°49 | 8°28 | 19°55 | 3°26 | 28°34 | 13° 4 | 17° 6 | 27°10 | 14°27 | 24°40 | 23°43 | 3°26 | 10°47 | W22 |
| T 23 | 16 5 2 | 2°49'51 | 12♊12 | 10° 0 | 20°34 | 4° 6 | 28°33 | 13° 7 | 17° 8 | 27° 9 | 14°26 | 24°30 | 23°40 | 3°33 | 10°50 | T 23 |
| F 24 | 16 8 59 | 3°47'59 | 26°48 | 11°33 | 21°13 | 4°46 | 28°33 | 13°10 | 17° 9 | 27° 7 | 14°25 | 24°19 | 23°36 | 3°40 | 10°54 | F 24 |
| S 25 | 16 12 55 | 4°46'04 | 11♋29 | 13° 8 | 21°54 | 5°26 | 28°D33 | 13°12 | 17°11 | 27° 6 | 14°24 | 24°10 | 23°33 | 3°46 | 10°57 | S 25 |
| S 26 | 16 16 52 | 5°44'08 | 26° 8 | 14°46 | 22°35 | 6° 6 | 28°33 | 13°15 | 17°13 | 27° 5 | 14°23 | 24° 3 | 23°30 | 3°53 | 11° 0 | S 26 |
| M27 | 16 20 48 | 6°42'10 | 10♌38 | 16°25 | 23°18 | 6°46 | 28°33 | 13°18 | 17°14 | 27° 3 | 14°22 | 23°58 | 23°27 | 4° 0 | 11° 4 | M27 |
| T 28 | 16 24 45 | 7°40'10 | 24°55 | 18° 7 | 24° 2 | 7°26 | 28°34 | 13°20 | 17°16 | 27° 2 | 14°21 | 23°56 | 23°24 | 4° 6 | 11° 7 | T 28 |
| W29 | 16 28 41 | 8°38'08 | 8♍58 | 19°50 | 24°46 | 8° 6 | 28°34 | 13°23 | 17°18 | 27° 0 | 14°21 | 23°D55 | 23°20 | 4°13 | 11°10 | W29 |
| T 30 | 16 32 38 | 9°36'04 | 22°46 | 21°36 | 25°31 | 8°46 | 28°35 | 13°25 | 17°20 | 26°59 | 14°20 | 23°R55 | 23°17 | 4°20 | 11°14 | T 30 |
| F 31 | 16 36 34 | 10♊33'59 | 6♎20 | 23♉23 | 26♈18 | 9♋26 | 28♍36 | 13♓28 | 17♌22 | 26♐57 | 14♎19 | 23♍55 | 23♍14 | 4♒26 | 11♉17 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15n10 | 9n47 | 2s26 | 4n30 | 1s51 | 8n16 | 3n40 | 23n48 | 0n55 | 1n32 | 1n25 | 8s22 | 1s20 | 16n23 | 0n41 | 21s52 | 1n26 | 9n41 | 16n48 | 1n32 | 2n 3 | 15s45 | 13n35 | 1s 3 |
| T 2 | 15 28 | 5 50 | 1 15 | 4 34 | 2 1 | 8 4 | 3 27 | 23 52 | 0 56 | 1 34 | 1 25 | 8 21 | 1 20 | 16 23 | 0 41 | 21 52 | 1 26 | 9 41 | 16 48 | 1 32 | 2 4 | 15 44 | 13 36 | 1 4 |
| F 3 | 15 46 | 1 36 | 0 1 | 4 40 | 2 10 | 7 53 | 3 13 | 23 55 | 0 56 | 1 35 | 1 25 | 8 19 | 1 20 | 16 23 | 0 41 | 21 52 | 1 26 | 9 42 | 16 48 | 1 32 | 2 5 | 15 43 | 13 37 | 1 4 |
| S 4 | 16 3 | 2s40 | 1n12 | 4 48 | 2 18 | 7 44 | 3 0 | 23 58 | 0 57 | 1 37 | 1 25 | 8 18 | 1 20 | 16 23 | 0 41 | 21 52 | 1 26 | 9 42 | 16 47 | 1 32 | 2 7 | 15 42 | 13 38 | 1 4 |
| S 5 | 16 21 | 6 45 | 2 20 | 4 58 | 2 25 | 7 35 | 2 47 | 24 1 | 0 57 | 1 38 | 1 25 | 8 16 | 1 20 | 16 22 | 0 41 | 21 51 | 1 26 | 9 42 | 16 47 | 1 33 | 2 8 | 15 42 | 13 39 | 1 4 |
| M 6 | 16 37 | 10 27 | 3 19 | 5 11 | 2 31 | 7 27 | 2 34 | 24 4 | 0 57 | 1 39 | 1 24 | 8 15 | 1 21 | 16 22 | 0 41 | 21 51 | 1 26 | 9 43 | 16 47 | 1 35 | 2 9 | 15 41 | 13 40 | 1 4 |
| T 7 | 16 54 | 13 33 | 4 7 | 5 25 | 2 37 | 7 21 | 2 21 | 24 6 | 0 58 | 1 40 | 1 24 | 8 13 | 1 21 | 16 22 | 0 41 | 21 51 | 1 26 | 9 43 | 16 47 | 1 38 | 2 10 | 15 40 | 13 41 | 1 4 |
| W 8 | 17 10 | 15 56 | 4 41 | 5 40 | 2 43 | 7 15 | 2 9 | 24 8 | 0 58 | 1 41 | 1 24 | 8 12 | 1 21 | 16 22 | 0 41 | 21 51 | 1 26 | 9 43 | 16 46 | 1 42 | 2 12 | 15 39 | 13 42 | 1 4 |
| T 9 | 17 26 | 17 30 | 5 1 | 5 57 | 2 47 | 7 10 | 1 57 | 24 11 | 0 58 | 1 42 | 1 24 | 8 10 | 1 21 | 16 21 | 0 41 | 21 51 | 1 26 | 9 43 | 16 46 | 1 46 | 2 13 | 15 38 | 13 43 | 1 4 |
| F 10 | 17 42 | 18 12 | 5 5 | 6 16 | 2 51 | 7 7 | 1 45 | 24 12 | 0 58 | 1 43 | 1 24 | 8 9 | 1 21 | 16 21 | 0 41 | 21 51 | 1 26 | 9 44 | 16 46 | 1 49 | 2 14 | 15 37 | 13 45 | 1 4 |
| S 11 | 17 57 | 18 3 | 4 56 | 6 37 | 2 54 | 7 4 | 1 34 | 24 14 | 0 59 | 1 44 | 1 23 | 8 7 | 1 21 | 16 21 | 0 41 | 21 51 | 1 26 | 9 44 | 16 46 | 1 53 | 2 15 | 15 36 | 13 46 | 1 4 |
| S 12 | 18 12 | 17 5 | 4 34 | 6 58 | 2 57 | 7 3 | 1 22 | 24 15 | 0 59 | 1 45 | 1 23 | 8 6 | 1 22 | 16 20 | 0 41 | 21 51 | 1 26 | 9 44 | 16 45 | 1 55 | 2 17 | 15 35 | 13 47 | 1 4 |
| M13 | 18 27 | 15 23 | 4 0 | 7 21 | 2 59 | 7 2 | 1 11 | 24 17 | 0 59 | 1 46 | 1 23 | 8 5 | 1 22 | 16 20 | 0 41 | 21 51 | 1 26 | 9 44 | 16 45 | 1 57 | 2 18 | 15 34 | 13 48 | 1 4 |
| T 14 | 18 42 | 13 2 | 3 16 | 7 45 | 3 0 | 7 2 | 1 1 | 24 17 | 1 0 | 1 46 | 1 23 | 8 4 | 1 22 | 16 20 | 0 41 | 21 51 | 1 26 | 9 44 | 16 45 | 1 58 | 2 19 | 15 33 | 13 49 | 1 5 |
| W15 | 18 56 | 10 8 | 2 23 | 8 11 | 3 0 | 7 3 | 0 50 | 24 18 | 1 0 | 1 47 | 1 23 | 8 2 | 1 22 | 16 19 | 0 41 | 21 51 | 1 26 | 9 44 | 16 44 | 1 58 | 2 20 | 15 32 | 13 50 | 1 5 |
| T 16 | 19 10 | 6 47 | 1 24 | 8 37 | 3 0 | 7 5 | 0 40 | 24 19 | 1 0 | 1 47 | 1 22 | 8 1 | 1 22 | 16 19 | 0 41 | 21 51 | 1 26 | 9 45 | 16 44 | 1 58 | 2 22 | 15 31 | 13 51 | 1 5 |
| F 17 | 19 23 | 3 6 | 0 19 | 9 5 | 3 0 | 7 7 | 0 30 | 24 19 | 1 0 | 1 48 | 1 22 | 8 0 | 1 23 | 16 19 | 0 41 | 21 51 | 1 26 | 9 45 | 16 44 | 1 57 | 2 23 | 15 30 | 13 52 | 1 5 |
| S 18 | 19 36 | 0n49 | 0s47 | 9 33 | 2 59 | 7 11 | 0 21 | 24 19 | 1 1 | 1 48 | 1 22 | 7 59 | 1 23 | 16 18 | 0 41 | 21 51 | 1 26 | 9 45 | 16 43 | 1 58 | 2 24 | 15 29 | 13 53 | 1 5 |
| S 19 | 19 49 | 4 49 | 1 53 | 10 3 | 2 57 | 7 15 | 0 11 | 24 19 | 1 1 | 1 48 | 1 22 | 7 58 | 1 23 | 16 18 | 0 41 | 21 51 | 1 26 | 9 45 | 16 43 | 1 58 | 2 25 | 15 28 | 13 54 | 1 5 |
| M20 | 20 2 | 8 42 | 2 55 | 10 33 | 2 55 | 7 20 | 0 2 | 24 19 | 1 1 | 1 49 | 1 22 | 7 57 | 1 23 | 16 17 | 0 41 | 21 51 | 1 26 | 9 45 | 16 43 | 2 0 | 2 27 | 15 27 | 13 55 | 1 5 |
| T 21 | 20 14 | 12 14 | 3 49 | 11 4 | 2 52 | 7 25 | 0s 6 | 24 18 | 1 1 | 1 49 | 1 21 | 7 56 | 1 23 | 16 17 | 0 41 | 21 51 | 1 26 | 9 45 | 16 42 | 2 3 | 2 28 | 15 27 | 13 56 | 1 5 |
| W22 | 20 25 | 15 11 | 4 30 | 11 35 | 2 48 | 7 31 | 0 15 | 24 18 | 1 2 | 1 49 | 1 21 | 7 55 | 1 24 | 16 16 | 0 41 | 21 51 | 1 26 | 9 45 | 16 42 | 2 6 | 2 29 | 15 26 | 13 57 | 1 5 |
| T 23 | 20 37 | 17 15 | 4 56 | 12 8 | 2 45 | 7 38 | 0 23 | 24 17 | 1 2 | 1 49 | 1 21 | 7 54 | 1 24 | 16 16 | 0 41 | 21 51 | 1 26 | 9 45 | 16 42 | 2 11 | 2 30 | 15 25 | 13 58 | 1 5 |
| F 24 | 20 48 | 18 14 | 5 2 | 12 41 | 2 40 | 7 45 | 0 31 | 24 16 | 1 2 | 1 49 | 1 21 | 7 53 | 1 24 | 16 15 | 0 41 | 21 51 | 1 26 | 9 45 | 16 41 | 2 15 | 2 32 | 15 24 | 13 59 | 1 5 |
| S 25 | 20 59 | 18 1 | 4 49 | 13 14 | 2 35 | 7 53 | 0 39 | 24 14 | 1 2 | 1 49 | 1 21 | 7 52 | 1 24 | 16 15 | 0 41 | 21 51 | 1 26 | 9 45 | 16 41 | 2 18 | 2 33 | 15 23 | 14 0 | 1 5 |
| S 26 | 21 9 | 16 36 | 4 17 | 13 48 | 2 29 | 8 2 | 0 46 | 24 13 | 1 3 | 1 48 | 1 20 | 7 51 | 1 24 | 16 14 | 0 41 | 21 50 | 1 26 | 9 45 | 16 41 | 2 21 | 2 34 | 15 22 | 14 1 | 1 6 |
| M27 | 21 19 | 14 8 | 3 28 | 14 22 | 2 23 | 8 11 | 0 53 | 24 11 | 1 3 | 1 48 | 1 20 | 7 50 | 1 25 | 16 14 | 0 41 | 21 50 | 1 26 | 9 45 | 16 40 | 2 23 | 2 35 | 15 21 | 14 2 | 1 6 |
| T 28 | 21 28 | 10 50 | 2 27 | 14 56 | 2 17 | 8 21 | 1 0 | 24 9 | 1 3 | 1 48 | 1 20 | 7 49 | 1 25 | 16 13 | 0 41 | 21 50 | 1 26 | 9 45 | 16 40 | 2 24 | 2 37 | 15 20 | 14 2 | 1 6 |
| W29 | 21 38 | 6 57 | 1 18 | 15 31 | 2 10 | 8 31 | 1 7 | 24 7 | 1 3 | 1 47 | 1 20 | 7 48 | 1 25 | 16 13 | 0 40 | 21 50 | 1 26 | 9 45 | 16 39 | 2 24 | 2 38 | 15 19 | 14 3 | 1 6 |
| T 30 | 21 46 | 2 46 | 0 6 | 16 6 | 2 2 | 8 41 | 1 13 | 24 5 | 1 4 | 1 47 | 1 20 | 7 48 | 1 25 | 16 12 | 0 40 | 21 50 | 1 26 | 9 45 | 16 39 | 2 24 | 2 39 | 15 18 | 14 4 | 1 6 |
| F 31 | 21n55 | 1s30 | 1n 5 | 16n40 | 1s55 | 8n52 | 1s19 | 24n 2 | 1n 4 | 1n46 | 1n19 | 7s47 | 1s25 | 16n11 | 0n40 | 21s50 | 1n26 | 9n45 | 16n39 | 2n24 | 2n40 | 15s17 | 14n 5 | 1s 6 |

Julian Day Number = 2804124.5, Delta T = 51m10s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°15'10, Lahiri = 37°22'11


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# ASTRODIENST EPHEMERIS for the year 2965
# geocentric

## JUNE 2965 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 40 31 | 11♊31'51 | 19♎41 | 25♉13 | 27♈ 5 | 10♋ 5 | 28♍38 | 13♓30 | 17♌24 | 26°R55 | 14°R18 | 23°R53 | 23♍11 | 4♒33 | 11♉20 | S 1 |
| S 2 | 16 44 28 | 12°29'43 | 2♏49 | 27° 4 | 27°52 | 10°45 | 28°39 | 13°32 | 17°26 | 26♐54 | 14♎18 | 23♍48 | 23° 8 | 4°40 | 11°24 | S 2 |
| M 3 | 16 48 24 | 13°27'32 | 15°47 | 28°58 | 28°41 | 11°25 | 28°41 | 13°34 | 17°28 | 26°52 | 14°17 | 23°41 | 23° 5 | 4°46 | 11°27 | M 3 |
| T 4 | 16 52 21 | 14°25'20 | 28°33 | 0♊53 | 29°30 | 12° 4 | 28°42 | 13°36 | 17°30 | 26°51 | 14°16 | 23°30 | 23° 1 | 4°53 | 11°30 | T 4 |
| W 5 | 16 56 17 | 15°23'07 | 11♐ 8 | 2°51 | 0♉20 | 12°44 | 28°44 | 13°38 | 17°32 | 26°49 | 14°16 | 23°18 | 22°58 | 5° 0 | 11°33 | W 5 |
| T 6 | 17 0 14 | 16°20'52 | 23°33 | 4°50 | 1°11 | 13°24 | 28°46 | 13°39 | 17°34 | 26°48 | 14°15 | 23° 5 | 22°55 | 5° 6 | 11°36 | T 6 |
| F 7 | 17 4 10 | 17°18'36 | 5♑46 | 6°51 | 2° 2 | 14° 3 | 28°49 | 13°41 | 17°36 | 26°46 | 14°15 | 22°51 | 22°52 | 5°13 | 11°40 | F 7 |
| S 8 | 17 8 7 | 18°16'19 | 17°51 | 8°55 | 2°54 | 14°43 | 28°51 | 13°43 | 17°38 | 26°44 | 14°14 | 22°40 | 22°49 | 5°20 | 11°43 | S 8 |
| S 9 | 17 12 4 | 19°14'01 | 29°47 | 10°59 | 3°47 | 15°22 | 28°54 | 13°44 | 17°41 | 26°43 | 14°14 | 22°30 | 22°46 | 5°27 | 11°46 | S 9 |
| M10 | 17 16 0 | 20°11'42 | 11♒38 | 13° 6 | 4°40 | 16° 2 | 28°56 | 13°45 | 17°43 | 26°41 | 14°13 | 22°23 | 22°42 | 5°33 | 11°49 | M10 |
| T 11 | 17 19 57 | 21° 9'21 | 23°27 | 15°14 | 5°34 | 16°41 | 28°59 | 13°47 | 17°45 | 26°40 | 14°13 | 22°18 | 22°39 | 5°40 | 11°52 | T 11 |
| W12 | 17 23 53 | 22° 7'00 | 5♓18 | 17°23 | 6°28 | 17°21 | 29° 3 | 13°48 | 17°48 | 26°38 | 14°12 | 22°16 | 22°36 | 5°47 | 11°55 | W12 |
| T 13 | 17 27 50 | 23° 4'38 | 17°17 | 19°33 | 7°23 | 18° 0 | 29° 6 | 13°49 | 17°50 | 26°36 | 14°12 | 22°15 | 22°33 | 5°53 | 11°58 | T 13 |
| F 14 | 17 31 46 | 24° 2'14 | 29°28 | 21°44 | 8°18 | 18°39 | 29° 9 | 13°50 | 17°53 | 26°35 | 14°12 | 22°15 | 22°30 | 6° 0 | 12° 1 | F 14 |
| S 15 | 17 35 43 | 24°59'50 | 11♈57 | 23°56 | 9°14 | 19°19 | 29°13 | 13°51 | 17°55 | 26°33 | 14°11 | 22°15 | 22°26 | 6° 7 | 12° 3 | S 15 |
| S 16 | 17 39 39 | 25°57'26 | 24°49 | 26° 8 | 10°10 | 19°58 | 29°17 | 13°52 | 17°58 | 26°32 | 14°11 | 22°13 | 22°23 | 6°13 | 12° 6 | S 16 |
| M17 | 17 43 36 | 26°55'00 | 8♉ 7 | 28°20 | 11° 7 | 20°37 | 29°21 | 13°52 | 18° 0 | 26°30 | 14°11 | 22° 8 | 22°20 | 6°20 | 12° 9 | M17 |
| T 18 | 17 47 33 | 27°52'34 | 21°54 | 0♋33 | 12° 4 | 21°17 | 29°25 | 13°53 | 18° 3 | 26°28 | 14°11 | 22° 1 | 22°17 | 6°27 | 12°12 | T 18 |
| W19 | 17 51 29 | 28°50'06 | 6♊ 9 | 2°44 | 13° 1 | 21°56 | 29°29 | 13°53 | 18° 6 | 26°27 | 14°10 | 21°51 | 22°14 | 6°33 | 12°15 | W19 |
| T 20 | 17 55 26 | 29°47'39 | 20°48 | 4°55 | 13°59 | 22°35 | 29°34 | 13°54 | 18° 8 | 26°25 | 14°10 | 21°41 | 22°11 | 6°40 | 12°17 | T 20 |
| F 21 | 17 59 22 | 0♋45'10 | 5♋43 | 7° 5 | 14°58 | 23°15 | 29°38 | 13°54 | 18°11 | 26°23 | 14°10 | 21°30 | 22° 7 | 6°47 | 12°20 | F 21 |
| S 22 | 18 3 19 | 1°42'40 | 20°45 | 9°14 | 15°56 | 23°54 | 29°43 | 13°54 | 18°14 | 26°22 | 14°10 | 21°20 | 22° 4 | 6°53 | 12°23 | S 22 |
| S 23 | 18 7 15 | 2°40'09 | 5♌46 | 11°21 | 16°55 | 24°33 | 29°48 | 13°R54 | 18°17 | 26°20 | 14°10 | 21°12 | 22° 1 | 7° 0 | 12°25 | S 23 |
| M24 | 18 11 12 | 3°37'37 | 20°36 | 13°27 | 17°55 | 25°12 | 29°53 | 13°54 | 18°20 | 26°19 | 14°D10 | 21° 7 | 21°58 | 7° 7 | 12°28 | M24 |
| T 25 | 18 15 8 | 4°35'04 | 5♍ 8 | 15°31 | 18°55 | 25°51 | 29°58 | 13°54 | 18°22 | 26°17 | 14°10 | 21° 4 | 21°55 | 7°14 | 12°31 | T 25 |
| W26 | 18 19 5 | 5°32'30 | 19°20 | 17°33 | 19°55 | 26°30 | 0♎ 3 | 13°54 | 18°25 | 26°15 | 14°10 | 21°D 3 | 21°52 | 7°20 | 12°33 | W26 |
| T 27 | 18 23 2 | 6°29'55 | 3♎10 | 19°33 | 20°55 | 27° 9 | 0° 9 | 13°53 | 18°28 | 26°14 | 14°10 | 21°R 3 | 21°48 | 7°27 | 12°36 | T 27 |
| F 28 | 18 26 58 | 7°27'19 | 16°40 | 21°30 | 21°56 | 27°48 | 0°15 | 13°53 | 18°31 | 26°12 | 14°10 | 21° 3 | 21°45 | 7°34 | 12°38 | F 28 |
| S 29 | 18 30 55 | 8°24'41 | 29°52 | 23°26 | 22°57 | 28°27 | 0°20 | 13°52 | 18°34 | 26°11 | 14°10 | 21° 1 | 21°42 | 7°40 | 12°40 | S 29 |
| S 30 | 18 34 51 | 9♋22'03 | 12♏47 | 25♋19 | 23♉58 | 29♋ 7 | 0♎26 | 13♓52 | 18♌37 | 26♐ 9 | 14♎11 | 20♍57 | 21♍39 | 7♒47 | 12♉43 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n 3 | 5s37 | 2n12 | 17n15 | 1s46 | 9n 3 | 1s25 | 24n 0 | 1n 4 | 1n45 | 1n19 | 7s46 | 1s26 | 16n11 | 0n40 | 21s50 | 1n26 | 9n45 | 16n38 | 2n25 | 2n42 | 15s16 | 14n 6 | 1s 6 |
| S 2 | 22 10 | 9 24 | 3 10 | 17 49 | 1 38 | 9 15 | 1 31 | 23 57 | 1 4 | 1 45 | 1 19 | 7 46 | 1 26 | 16 10 | 0 40 | 21 50 | 1 26 | 9 44 | 16 38 | 2 27 | 2 43 | 15 15 | 14 7 | 1 6 |
| M 3 | 22 18 | 12 40 | 3 58 | 18 23 | 1 28 | 9 27 | 1 36 | 23 54 | 1 4 | 1 44 | 1 19 | 7 45 | 1 26 | 16 10 | 0 40 | 21 50 | 1 26 | 9 44 | 16 37 | 2 30 | 2 44 | 15 14 | 14 8 | 1 6 |
| T 4 | 22 24 | 15 18 | 4 33 | 18 56 | 1 19 | 9 39 | 1 41 | 23 50 | 1 5 | 1 43 | 1 19 | 7 45 | 1 26 | 16 9 | 0 40 | 21 50 | 1 26 | 9 44 | 16 37 | 2 34 | 2 45 | 15 13 | 14 9 | 1 6 |
| W 5 | 22 31 | 17 9 | 4 54 | 19 29 | 1 9 | 9 52 | 1 46 | 23 47 | 1 5 | 1 42 | 1 18 | 7 44 | 1 26 | 16 8 | 0 40 | 21 50 | 1 26 | 9 44 | 16 36 | 2 39 | 2 47 | 15 12 | 14 10 | 1 7 |
| T 6 | 22 37 | 18 10 | 5 0 | 20 1 | 0 59 | 10 5 | 1 51 | 23 43 | 1 5 | 1 41 | 1 18 | 7 44 | 1 27 | 16 8 | 0 40 | 21 50 | 1 26 | 9 44 | 16 36 | 2 44 | 2 48 | 15 11 | 14 11 | 1 7 |
| F 7 | 22 43 | 18 19 | 4 53 | 20 32 | 0 49 | 10 18 | 1 56 | 23 39 | 1 5 | 1 40 | 1 18 | 7 43 | 1 27 | 16 7 | 0 40 | 21 50 | 1 26 | 9 44 | 16 36 | 2 49 | 2 49 | 15 10 | 14 11 | 1 7 |
| S 8 | 22 48 | 17 38 | 4 32 | 21 2 | 0 39 | 10 32 | 2 0 | 23 35 | 1 5 | 1 39 | 1 18 | 7 43 | 1 27 | 16 6 | 0 40 | 21 50 | 1 26 | 9 43 | 16 35 | 2 54 | 2 50 | 15 9 | 14 12 | 1 7 |
| S 9 | 22 53 | 16 11 | 4 0 | 21 31 | 0 28 | 10 45 | 2 4 | 23 31 | 1 5 | 1 37 | 1 17 | 7 42 | 1 27 | 16 5 | 0 40 | 21 50 | 1 26 | 9 43 | 16 35 | 2 58 | 2 52 | 15 8 | 14 13 | 1 7 |
| M10 | 22 57 | 14 3 | 3 17 | 21 58 | 0 17 | 10 59 | 2 8 | 23 26 | 1 6 | 1 36 | 1 17 | 7 42 | 1 28 | 16 5 | 0 40 | 21 50 | 1 26 | 9 43 | 16 34 | 3 1 | 2 53 | 15 7 | 14 14 | 1 7 |
| T 11 | 23 1 | 11 20 | 2 26 | 22 23 | 0 7 | 11 14 | 2 12 | 23 22 | 1 6 | 1 35 | 1 17 | 7 42 | 1 28 | 16 4 | 0 40 | 21 50 | 1 26 | 9 43 | 16 34 | 3 2 | 2 54 | 15 6 | 14 15 | 1 7 |
| W12 | 23 5 | 8 9 | 1 29 | 22 47 | 0n 4 | 11 28 | 2 16 | 23 17 | 1 6 | 1 33 | 1 17 | 7 42 | 1 28 | 16 3 | 0 40 | 21 50 | 1 26 | 9 42 | 16 33 | 3 3 | 2 55 | 15 5 | 14 16 | 1 7 |
| T 13 | 23 8 | 4 36 | 0 26 | 23 9 | 0 14 | 11 42 | 2 19 | 23 12 | 1 6 | 1 32 | 1 17 | 7 41 | 1 28 | 16 2 | 0 40 | 21 50 | 1 26 | 9 42 | 16 33 | 3 3 | 2 57 | 15 4 | 14 16 | 1 7 |
| F 14 | 23 11 | 0 48 | 0s38 | 23 28 | 0 25 | 11 57 | 2 22 | 23 7 | 1 6 | 1 30 | 1 16 | 7 41 | 1 28 | 16 2 | 0 40 | 21 50 | 1 26 | 9 42 | 16 32 | 3 3 | 2 58 | 15 3 | 14 17 | 1 8 |
| S 15 | 23 13 | 3n 8 | 1 42 | 23 45 | 0 35 | 12 12 | 2 25 | 23 1 | 1 6 | 1 29 | 1 16 | 7 41 | 1 29 | 16 1 | 0 40 | 21 50 | 1 26 | 9 41 | 16 32 | 3 4 | 2 59 | 15 2 | 14 18 | 1 8 |
| S 16 | 23 15 | 7 2 | 2 43 | 24 0 | 0 45 | 12 27 | 2 28 | 22 56 | 1 6 | 1 27 | 1 16 | 7 41 | 1 29 | 16 0 | 0 40 | 21 50 | 1 26 | 9 41 | 16 31 | 3 5 | 3 0 | 15 1 | 14 19 | 1 8 |
| M17 | 23 17 | 10 42 | 3 37 | 24 12 | 0 54 | 12 42 | 2 31 | 22 50 | 1 7 | 1 25 | 1 16 | 7 41 | 1 29 | 15 59 | 0 40 | 21 50 | 1 26 | 9 41 | 16 31 | 3 6 | 3 2 | 15 0 | 14 19 | 1 8 |
| T 18 | 23 18 | 13 56 | 4 21 | 24 22 | 1 3 | 12 56 | 2 33 | 22 44 | 1 7 | 1 23 | 1 16 | 7 41 | 1 29 | 15 58 | 0 40 | 21 50 | 1 26 | 9 40 | 16 30 | 3 9 | 3 3 | 14 59 | 14 20 | 1 8 |
| W19 | 23 18 | 16 27 | 4 50 | 24 28 | 1 11 | 13 11 | 2 35 | 22 38 | 1 7 | 1 21 | 1 15 | 7 41 | 1 29 | 15 58 | 0 40 | 21 50 | 1 26 | 9 40 | 16 30 | 3 13 | 3 4 | 14 58 | 14 21 | 1 8 |
| T 20 | 23 19 | 17 59 | 5 1 | 24 32 | 1 19 | 13 27 | 2 38 | 22 32 | 1 7 | 1 20 | 1 15 | 7 41 | 1 30 | 15 57 | 0 40 | 21 49 | 1 26 | 9 40 | 16 29 | 3 17 | 3 5 | 14 57 | 14 22 | 1 8 |
| F 21 | 23 19 | 18 20 | 4 52 | 24 34 | 1 26 | 13 42 | 2 40 | 22 26 | 1 7 | 1 18 | 1 15 | 7 41 | 1 30 | 15 56 | 0 40 | 21 49 | 1 26 | 9 39 | 16 29 | 3 21 | 3 7 | 14 56 | 14 22 | 1 8 |
| S 22 | 23 18 | 17 23 | 4 23 | 24 32 | 1 33 | 13 57 | 2 41 | 22 19 | 1 7 | 1 15 | 1 15 | 7 41 | 1 30 | 15 55 | 0 40 | 21 49 | 1 26 | 9 39 | 16 29 | 3 25 | 3 8 | 14 55 | 14 23 | 1 9 |
| S 23 | 23 17 | 15 15 | 3 35 | 24 28 | 1 39 | 14 12 | 2 43 | 22 12 | 1 7 | 1 13 | 1 15 | 7 41 | 1 30 | 15 54 | 0 40 | 21 49 | 1 26 | 9 38 | 16 28 | 3 28 | 3 9 | 14 54 | 14 24 | 1 9 |
| M24 | 23 16 | 12 7 | 2 34 | 24 21 | 1 44 | 14 27 | 2 44 | 22 5 | 1 7 | 1 11 | 1 14 | 7 42 | 1 31 | 15 53 | 0 40 | 21 49 | 1 26 | 9 38 | 16 28 | 3 30 | 3 10 | 14 53 | 14 24 | 1 9 |
| T 25 | 23 14 | 8 17 | 1 23 | 24 12 | 1 48 | 14 42 | 2 46 | 21 58 | 1 8 | 1 9 | 1 14 | 7 42 | 1 31 | 15 52 | 0 40 | 21 49 | 1 26 | 9 37 | 16 27 | 3 31 | 3 12 | 14 52 | 14 25 | 1 9 |
| W26 | 23 12 | 4 4 | 0 9 | 24 1 | 1 52 | 14 56 | 2 47 | 21 51 | 1 8 | 1 7 | 1 14 | 7 42 | 1 31 | 15 51 | 0 40 | 21 49 | 1 26 | 9 37 | 16 27 | 3 32 | 3 13 | 14 50 | 14 26 | 1 9 |
| T 27 | 23 9 | 0s17 | 1n 4 | 23 47 | 1 55 | 15 11 | 2 48 | 21 43 | 1 8 | 1 4 | 1 14 | 7 42 | 1 31 | 15 50 | 0 40 | 21 49 | 1 26 | 9 36 | 16 26 | 3 32 | 3 14 | 14 49 | 14 26 | 1 9 |
| F 28 | 23 6 | 4 30 | 2 12 | 23 31 | 1 57 | 15 26 | 2 49 | 21 36 | 1 8 | 1 2 | 1 14 | 7 43 | 1 31 | 15 50 | 0 40 | 21 49 | 1 26 | 9 36 | 16 26 | 3 32 | 3 15 | 14 48 | 14 27 | 1 9 |
| S 29 | 23 3 | 8 23 | 3 10 | 23 14 | 1 58 | 15 40 | 2 49 | 21 28 | 1 8 | 0 59 | 1 13 | 7 43 | 1 32 | 15 49 | 0 40 | 21 49 | 1 26 | 9 35 | 16 25 | 3 32 | 3 16 | 14 47 | 14 27 | 1 9 |
| S 30 | 22n59 | 11s48 | 3n58 | 22n54 | 1n58 | 15n55 | 2s50 | 21n20 | 1n 8 | 0n57 | 1n13 | 7s44 | 1s32 | 15n48 | 0n40 | 21s49 | 1n26 | 9n35 | 16n25 | 3n34 | 3n18 | 14s46 | 14n28 | 1s 9 |

Julian Day Number = 2804155.5, Delta T = 51m11s
Ecliptic obliquity = 23°18'41, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°15'15, Lahiri = 37°22'15


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# ASTRODIENST EPHEMERIS for the year 2965
# geocentric

## JULY 2965 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 38 48 | 10♋19'24 | 25♏28 | 27♋10 | 24♉59 | 29♋45 | 0♎32 | 13°R51 | 18♌40 | 26°R 8 | 14♎11 | 20°R51 | 21♍36 | 7♒54 | 12♉45 | M 1 |
| T 2 | 18 42 44 | 11°16'45 | 7♐58 | 28°59 | 26° 1 | 0♌24 | 0°39 | 13♓50 | 18°43 | 26♐ 6 | 14°11 | 20♍41 | 21°32 | 8° 0 | 12°47 | T 2 |
| W 3 | 18 46 41 | 12°14'04 | 20°18 | 0♌45 | 27° 3 | 1° 3 | 0°45 | 13°49 | 18°47 | 26° 4 | 14°11 | 20°30 | 21°29 | 8° 7 | 12°50 | W 3 |
| T 4 | 18 50 37 | 13°11'23 | 2♑29 | 2°29 | 28° 6 | 1°42 | 0°52 | 13°48 | 18°50 | 26° 3 | 14°12 | 20°18 | 21°26 | 8°14 | 12°52 | T 4 |
| F 5 | 18 54 34 | 14° 8'41 | 14°33 | 4°11 | 29° 8 | 2°21 | 0°58 | 13°47 | 18°53 | 26° 1 | 14°12 | 20° 7 | 21°23 | 8°20 | 12°54 | F 5 |
| S 6 | 18 58 31 | 15° 5'59 | 26°30 | 5°50 | 0♊11 | 3° 0 | 1° 5 | 13°46 | 18°56 | 26° 0 | 14°13 | 19°56 | 21°20 | 8°27 | 12°56 | S 6 |
| S 7 | 19 2 27 | 16° 3'16 | 8♒22 | 7°27 | 1°14 | 3°39 | 1°12 | 13°45 | 18°59 | 25°58 | 14°13 | 19°47 | 21°17 | 8°34 | 12°58 | S 7 |
| M 8 | 19 6 24 | 17° 0'33 | 20°11 | 9° 1 | 2°18 | 4°18 | 1°19 | 13°43 | 19° 3 | 25°57 | 14°13 | 19°40 | 21°13 | 8°40 | 13° 0 | M 8 |
| T 9 | 19 10 20 | 17°57'50 | 2♓ 0 | 10°33 | 3°21 | 4°57 | 1°26 | 13°42 | 19° 6 | 25°55 | 14°14 | 19°37 | 21°10 | 8°47 | 13° 2 | T 9 |
| W10 | 19 14 17 | 18°55'06 | 13°51 | 12° 2 | 4°25 | 5°35 | 1°33 | 13°40 | 19° 9 | 25°54 | 14°14 | 19°35 | 21° 7 | 8°54 | 13° 4 | W10 |
| T 11 | 19 18 13 | 19°52'22 | 25°50 | 13°29 | 5°29 | 6°14 | 1°41 | 13°39 | 19°12 | 25°52 | 14°15 | 19°D35 | 21° 4 | 9° 0 | 13° 6 | T 11 |
| F 12 | 19 22 10 | 20°49'38 | 8♈ 1 | 14°53 | 6°33 | 6°53 | 1°48 | 13°37 | 19°16 | 25°51 | 14°16 | 19°36 | 21° 1 | 9° 7 | 13° 8 | F 12 |
| S 13 | 19 26 6 | 21°46'55 | 20°29 | 16°15 | 7°38 | 7°32 | 1°56 | 13°35 | 19°19 | 25°50 | 14°16 | 19°R36 | 20°58 | 9°14 | 13° 9 | S 13 |
| S 14 | 19 30 3 | 22°44'11 | 3♉18 | 17°34 | 8°42 | 8°10 | 2° 4 | 13°33 | 19°23 | 25°48 | 14°17 | 19°36 | 20°54 | 9°20 | 13°11 | S 14 |
| M15 | 19 34 0 | 23°41'27 | 16°33 | 18°51 | 9°47 | 8°49 | 2°12 | 13°31 | 19°26 | 25°47 | 14°17 | 19°33 | 20°51 | 9°27 | 13°13 | M15 |
| T 16 | 19 37 56 | 24°38'43 | 0♊17 | 20° 5 | 10°52 | 9°28 | 2°20 | 13°29 | 19°29 | 25°45 | 14°18 | 19°29 | 20°48 | 9°34 | 13°14 | T 16 |
| W17 | 19 41 53 | 25°36'00 | 14°30 | 21°16 | 11°57 | 10° 7 | 2°28 | 13°27 | 19°33 | 25°44 | 14°19 | 19°23 | 20°45 | 9°41 | 13°16 | W17 |
| T 18 | 19 45 49 | 26°33'17 | 29° 9 | 22°25 | 13° 3 | 10°45 | 2°36 | 13°25 | 19°36 | 25°43 | 14°20 | 19°15 | 20°42 | 9°47 | 13°18 | T 18 |
| F 19 | 19 49 46 | 27°30'33 | 14♋ 9 | 23°30 | 14° 8 | 11°24 | 2°44 | 13°22 | 19°40 | 25°41 | 14°20 | 19° 7 | 20°38 | 9°54 | 13°19 | F 19 |
| S 20 | 19 53 42 | 28°27'50 | 29°21 | 24°33 | 15°14 | 12° 3 | 2°53 | 13°20 | 19°43 | 25°40 | 14°21 | 19° 0 | 20°35 | 10° 1 | 13°21 | S 20 |
| S 21 | 19 57 39 | 29°25'07 | 14♌35 | 25°32 | 16°20 | 12°41 | 3° 1 | 13°17 | 19°47 | 25°39 | 14°22 | 18°55 | 20°32 | 10° 7 | 13°22 | S 21 |
| M22 | 20 1 35 | 0♌22'23 | 29°39 | 26°29 | 17°26 | 13°20 | 3°10 | 13°15 | 19°50 | 25°38 | 14°23 | 18°51 | 20°29 | 10°14 | 13°23 | M22 |
| T 23 | 20 5 32 | 1°19'40 | 14♍27 | 27°22 | 18°32 | 13°58 | 3°19 | 13°12 | 19°54 | 25°36 | 14°24 | 18°D50 | 20°26 | 10°21 | 13°25 | T 23 |
| W24 | 20 9 29 | 2°16'56 | 28°52 | 28°12 | 19°38 | 14°37 | 3°28 | 13° 9 | 19°57 | 25°35 | 14°25 | 18°50 | 20°23 | 10°27 | 13°26 | W24 |
| T 25 | 20 13 25 | 3°14'12 | 12♎52 | 28°58 | 20°45 | 15°16 | 3°37 | 13° 6 | 20° 1 | 25°34 | 14°26 | 18°51 | 20°19 | 10°34 | 13°27 | T 25 |
| F 26 | 20 17 22 | 4°11'27 | 26°27 | 29°41 | 21°51 | 15°54 | 3°46 | 13° 3 | 20° 4 | 25°33 | 14°27 | 18°52 | 20°16 | 10°41 | 13°28 | F 26 |
| S 27 | 20 21 18 | 5° 8'43 | 9♏38 | 0♍19 | 22°58 | 16°33 | 3°55 | 13° 0 | 20° 8 | 25°31 | 14°28 | 18°R52 | 20°13 | 10°47 | 13°29 | S 27 |
| S 28 | 20 25 15 | 6° 5'59 | 22°29 | 0°54 | 24° 5 | 17°11 | 4° 5 | 12°57 | 20°12 | 25°30 | 14°29 | 18°51 | 20°10 | 10°54 | 13°30 | S 28 |
| M29 | 20 29 11 | 7° 3'14 | 5♐ 4 | 1°25 | 25°12 | 17°50 | 4°14 | 12°54 | 20°15 | 25°29 | 14°30 | 18°48 | 20° 7 | 11° 1 | 13°31 | M29 |
| T 30 | 20 33 8 | 8° 0'30 | 17°24 | 1°52 | 26°19 | 18°28 | 4°24 | 12°51 | 20°19 | 25°28 | 14°31 | 18°43 | 20° 4 | 11° 7 | 13°32 | T 30 |
| W31 | 20 37 4 | 8♌57'46 | 29♐33 | 2♍14 | 27♊27 | 19♌ 7 | 4♎33 | 12♓48 | 20♌23 | 25♐27 | 14♎32 | 18♍37 | 20♍ 0 | 11♒14 | 13♉33 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n55 | 14s36 | 4n34 | 22n33 | 1n58 | 16n 9 | 2s50 | 21n12 | 1n 8 | 0n54 | 1n13 | 7s44 | 1s32 | 15n47 | 0n40 | 21s49 | 1n26 | 9n34 | 16n24 | 3n37 | 3n19 | 14s45 | 14n29 | 1s10 |
| T 2 | 22 50 | 16 40 | 4 55 | 22 10 | 1 57 | 16 23 | 2 51 | 21 4 | 1 8 | 0 52 | 1 13 | 7 45 | 1 32 | 15 46 | 0 40 | 21 49 | 1 26 | 9 34 | 16 24 | 3 40 | 3 20 | 14 44 | 14 29 | 1 10 |
| W 3 | 22 45 | 17 56 | 5 2 | 21 46 | 1 56 | 16 37 | 2 51 | 20 56 | 1 8 | 0 49 | 1 13 | 7 45 | 1 32 | 15 45 | 0 40 | 21 49 | 1 26 | 9 33 | 16 23 | 3 45 | 3 21 | 14 43 | 14 30 | 1 10 |
| T 4 | 22 40 | 18 22 | 4 56 | 21 20 | 1 53 | 16 51 | 2 51 | 20 47 | 1 8 | 0 46 | 1 12 | 7 46 | 1 33 | 15 44 | 0 40 | 21 49 | 1 26 | 9 33 | 16 23 | 3 49 | 3 23 | 14 42 | 14 30 | 1 10 |
| F 5 | 22 34 | 17 57 | 4 36 | 20 53 | 1 50 | 17 5 | 2 51 | 20 38 | 1 8 | 0 43 | 1 12 | 7 46 | 1 33 | 15 43 | 0 40 | 21 49 | 1 26 | 9 32 | 16 22 | 3 54 | 3 24 | 14 41 | 14 31 | 1 10 |
| S 6 | 22 28 | 16 45 | 4 4 | 20 26 | 1 46 | 17 18 | 2 51 | 20 30 | 1 9 | 0 41 | 1 12 | 7 47 | 1 33 | 15 42 | 0 40 | 21 49 | 1 26 | 9 32 | 16 22 | 3 58 | 3 25 | 14 40 | 14 31 | 1 10 |
| S 7 | 22 21 | 14 50 | 3 21 | 19 57 | 1 42 | 17 31 | 2 50 | 20 21 | 1 9 | 0 38 | 1 12 | 7 48 | 1 33 | 15 41 | 0 40 | 21 49 | 1 26 | 9 31 | 16 21 | 4 2 | 3 26 | 14 39 | 14 32 | 1 10 |
| M 8 | 22 14 | 12 18 | 2 30 | 19 28 | 1 37 | 17 44 | 2 50 | 20 12 | 1 9 | 0 35 | 1 12 | 7 48 | 1 34 | 15 40 | 0 40 | 21 49 | 1 26 | 9 30 | 16 21 | 4 4 | 3 28 | 14 38 | 14 32 | 1 11 |
| T 9 | 22 7 | 9 16 | 1 33 | 18 58 | 1 31 | 17 57 | 2 49 | 20 2 | 1 9 | 0 32 | 1 12 | 7 49 | 1 34 | 15 39 | 0 40 | 21 49 | 1 26 | 9 30 | 16 20 | 4 6 | 3 29 | 14 37 | 14 33 | 1 11 |
| W10 | 21 59 | 5 51 | 0 31 | 18 27 | 1 25 | 18 9 | 2 49 | 19 53 | 1 9 | 0 29 | 1 11 | 7 50 | 1 34 | 15 38 | 0 40 | 21 49 | 1 26 | 9 29 | 16 20 | 4 6 | 3 30 | 14 36 | 14 33 | 1 11 |
| T 11 | 21 51 | 2 9 | 0s34 | 17 56 | 1 18 | 18 21 | 2 48 | 19 43 | 1 9 | 0 26 | 1 11 | 7 51 | 1 34 | 15 37 | 0 40 | 21 49 | 1 26 | 9 28 | 16 19 | 4 6 | 3 31 | 14 35 | 14 34 | 1 11 |
| F 12 | 21 42 | 1n40 | 1 37 | 17 24 | 1 10 | 18 33 | 2 47 | 19 34 | 1 9 | 0 22 | 1 11 | 7 52 | 1 34 | 15 36 | 0 40 | 21 49 | 1 26 | 9 28 | 16 19 | 4 6 | 3 33 | 14 33 | 14 34 | 1 11 |
| S 13 | 21 34 | 5 31 | 2 38 | 16 52 | 1 2 | 18 44 | 2 46 | 19 24 | 1 9 | 0 19 | 1 11 | 7 53 | 1 35 | 15 35 | 0 40 | 21 49 | 1 26 | 9 27 | 16 18 | 4 6 | 3 34 | 14 32 | 14 34 | 1 11 |
| S 14 | 21 24 | 9 13 | 3 32 | 16 20 | 0 54 | 18 55 | 2 45 | 19 14 | 1 9 | 0 16 | 1 11 | 7 54 | 1 35 | 15 33 | 0 40 | 21 49 | 1 26 | 9 26 | 16 18 | 4 6 | 3 35 | 14 31 | 14 35 | 1 11 |
| M15 | 21 15 | 12 35 | 4 18 | 15 48 | 0 45 | 19 6 | 2 44 | 19 4 | 1 9 | 0 13 | 1 11 | 7 54 | 1 35 | 15 32 | 0 40 | 21 49 | 1 26 | 9 26 | 16 17 | 4 7 | 3 36 | 14 30 | 14 35 | 1 11 |
| T 16 | 21 5 | 15 23 | 4 50 | 15 16 | 0 35 | 19 17 | 2 42 | 18 54 | 1 9 | 0 9 | 1 10 | 7 55 | 1 35 | 15 31 | 0 40 | 21 49 | 1 26 | 9 25 | 16 17 | 4 9 | 3 38 | 14 29 | 14 35 | 1 12 |
| W17 | 20 55 | 17 21 | 5 5 | 14 44 | 0 25 | 19 27 | 2 41 | 18 44 | 1 9 | 0 6 | 1 10 | 7 56 | 1 35 | 15 30 | 0 40 | 21 49 | 1 26 | 9 24 | 16 16 | 4 11 | 3 39 | 14 28 | 14 36 | 1 12 |
| T 18 | 20 44 | 18 16 | 5 2 | 14 12 | 0 14 | 19 37 | 2 39 | 18 33 | 1 9 | 0 3 | 1 10 | 7 58 | 1 36 | 15 29 | 0 39 | 21 49 | 1 26 | 9 24 | 16 16 | 4 14 | 3 40 | 14 27 | 14 36 | 1 12 |
| F 19 | 20 33 | 17 57 | 4 38 | 13 40 | 0 3 | 19 46 | 2 38 | 18 22 | 1 9 | 0s 1 | 1 10 | 7 59 | 1 36 | 15 28 | 0 39 | 21 49 | 1 26 | 9 23 | 16 15 | 4 17 | 3 41 | 14 26 | 14 36 | 1 12 |
| S 20 | 20 22 | 16 21 | 3 54 | 13 9 | 0s 8 | 19 55 | 2 36 | 18 12 | 1 9 | 0 4 | 1 10 | 8 0 | 1 36 | 15 27 | 0 39 | 21 49 | 1 26 | 9 22 | 16 15 | 4 20 | 3 43 | 14 25 | 14 37 | 1 12 |
| S 21 | 20 10 | 13 36 | 2 54 | 12 38 | 0 20 | 20 4 | 2 34 | 18 1 | 1 9 | 0 8 | 1 10 | 8 1 | 1 36 | 15 26 | 0 39 | 21 49 | 1 26 | 9 21 | 16 14 | 4 22 | 3 44 | 14 24 | 14 37 | 1 12 |
| M22 | 19 58 | 9 57 | 1 42 | 12 7 | 0 32 | 20 12 | 2 32 | 17 50 | 1 9 | 0 11 | 1 9 | 8 2 | 1 36 | 15 25 | 0 39 | 21 49 | 1 26 | 9 21 | 16 14 | 4 23 | 3 45 | 14 22 | 14 37 | 1 12 |
| T 23 | 19 45 | 5 43 | 0 24 | 11 38 | 0 45 | 20 19 | 2 30 | 17 39 | 1 9 | 0 15 | 1 9 | 8 3 | 1 37 | 15 24 | 0 39 | 21 49 | 1 26 | 9 20 | 16 14 | 4 24 | 3 46 | 14 21 | 14 38 | 1 13 |
| W24 | 19 33 | 1 17 | 0n54 | 11 8 | 0 57 | 20 27 | 2 28 | 17 28 | 1 9 | 0 19 | 1 9 | 8 4 | 1 37 | 15 22 | 0 39 | 21 49 | 1 26 | 9 19 | 16 13 | 4 24 | 3 48 | 14 20 | 14 38 | 1 13 |
| T 25 | 19 20 | 3s 7 | 2 6 | 10 40 | 1 11 | 20 34 | 2 26 | 17 17 | 1 9 | 0 22 | 1 9 | 8 6 | 1 37 | 15 21 | 0 39 | 21 49 | 1 26 | 9 18 | 16 13 | 4 23 | 3 49 | 14 19 | 14 38 | 1 13 |
| F 26 | 19 6 | 7 12 | 3 9 | 10 13 | 1 24 | 20 40 | 2 24 | 17 5 | 1 9 | 0 26 | 1 9 | 8 7 | 1 37 | 15 20 | 0 39 | 21 49 | 1 26 | 9 17 | 16 12 | 4 23 | 3 50 | 14 18 | 14 38 | 1 13 |
| S 27 | 18 53 | 10 49 | 4 0 | 9 47 | 1 38 | 20 46 | 2 22 | 16 54 | 1 9 | 0 30 | 1 9 | 8 8 | 1 37 | 15 19 | 0 39 | 21 49 | 1 25 | 9 17 | 16 12 | 4 23 | 3 51 | 14 17 | 14 38 | 1 13 |
| S 28 | 18 39 | 13 49 | 4 38 | 9 21 | 1 51 | 20 52 | 2 19 | 16 42 | 1 9 | 0 34 | 1 9 | 8 10 | 1 37 | 15 18 | 0 39 | 21 49 | 1 25 | 9 16 | 16 11 | 4 23 | 3 53 | 14 16 | 14 39 | 1 13 |
| M29 | 18 25 | 16 5 | 5 1 | 8 57 | 2 5 | 20 57 | 2 17 | 16 30 | 1 9 | 0 38 | 1 8 | 8 11 | 1 38 | 15 17 | 0 39 | 21 49 | 1 25 | 9 15 | 16 11 | 4 25 | 3 54 | 14 15 | 14 39 | 1 13 |
| T 30 | 18 10 | 17 35 | 5 10 | 8 35 | 2 19 | 21 1 | 2 14 | 16 18 | 1 9 | 0 41 | 1 8 | 8 12 | 1 38 | 15 16 | 0 39 | 21 49 | 1 25 | 9 14 | 16 10 | 4 26 | 3 55 | 14 14 | 14 39 | 1 14 |
| W31 | 17n55 | 18s14 | 5n 4 | 8n14 | 2s33 | 21n 5 | 2s12 | 16n 6 | 1n 9 | 0s45 | 1n 8 | 8s14 | 1s38 | 15n15 | 0n39 | 21s49 | 1n25 | 9n13 | 16n10 | 4n29 | 3n56 | 14s12 | 14n39 | 1s14 |

Julian Day Number = 2804185.5, Delta T = 51m11s
Ecliptic obliquity = 23°18'41, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°15'19, Lahiri = 37°22'19


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# ASTRODIENST EPHEMERIS for the year 2965
# geocentric

## AUGUST 2965 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 41 1 | 9♌55'02 | 11♉35 | 2♍32 | 28♊34 | 19♌45 | 4♎43 | 12°R44 | 20♌26 | 25°R26 | 14♎34 | 18°R30 | 19♍57 | 11♒21 | 13♉34 | T 1 |
| F 2 | 20 44 58 | 10°52'18 | 23°30 | 2°46 | 29°42 | 20°24 | 4°53 | 12♓41 | 20°30 | 25♐25 | 14°35 | 18♍23 | 19°54 | 11°27 | 13°35 | F 2 |
| S 3 | 20 48 54 | 11°49'34 | 5♒22 | 2°54 | 0♋49 | 21° 2 | 5° 3 | 12°37 | 20°34 | 25°24 | 14°36 | 18°17 | 19°51 | 11°34 | 13°36 | S 3 |
| S 4 | 20 52 51 | 12°46'51 | 17°12 | 2°R58 | 1°57 | 21°40 | 5°13 | 12°34 | 20°37 | 25°23 | 14°37 | 18°12 | 19°48 | 11°41 | 13°36 | S 4 |
| M 5 | 20 56 47 | 13°44'08 | 29° 1 | 2°57 | 3° 5 | 22°19 | 5°23 | 12°30 | 20°41 | 25°22 | 14°39 | 18° 9 | 19°44 | 11°47 | 13°37 | M 5 |
| T 6 | 21 0 44 | 14°41'25 | 10♓53 | 2°51 | 4°13 | 22°57 | 5°33 | 12°27 | 20°45 | 25°21 | 14°40 | 18° 7 | 19°41 | 11°54 | 13°38 | T 6 |
| W 7 | 21 4 40 | 15°38'44 | 22°49 | 2°39 | 5°21 | 23°36 | 5°43 | 12°23 | 20°48 | 25°20 | 14°41 | 18°D 7 | 19°38 | 12° 1 | 13°38 | W 7 |
| T 8 | 21 8 37 | 16°36'03 | 4♈53 | 2°24 | 6°30 | 24°14 | 5°53 | 12°19 | 20°52 | 25°19 | 14°43 | 18° 8 | 19°35 | 12° 7 | 13°39 | T 8 |
| F 9 | 21 12 33 | 17°33'22 | 17° 9 | 2° 3 | 7°38 | 24°52 | 6° 4 | 12°15 | 20°56 | 25°18 | 14°44 | 18° 9 | 19°32 | 12°14 | 13°39 | F 9 |
| S 10 | 21 16 30 | 18°30'43 | 29°39 | 1°38 | 8°47 | 25°31 | 6°14 | 12°11 | 20°59 | 25°18 | 14°46 | 18°11 | 19°29 | 12°21 | 13°39 | S 10 |
| S 11 | 21 20 27 | 19°28'04 | 12♉28 | 1° 8 | 9°55 | 26° 9 | 6°25 | 12° 7 | 21° 3 | 25°17 | 14°47 | 18°12 | 19°25 | 12°27 | 13°40 | S 11 |
| M12 | 21 24 23 | 20°25'26 | 25°40 | 0°34 | 11° 4 | 26°47 | 6°35 | 12° 3 | 21° 7 | 25°16 | 14°48 | 18°R12 | 19°22 | 12°34 | 13°40 | M12 |
| T 13 | 21 28 20 | 21°22'50 | 9♊17 | 29♌57 | 12°13 | 27°26 | 6°46 | 11°59 | 21°10 | 25°15 | 14°50 | 18°11 | 19°19 | 12°41 | 13°40 | T 13 |
| W14 | 21 32 16 | 22°20'14 | 23°21 | 29°17 | 13°22 | 28° 4 | 6°57 | 11°55 | 21°14 | 25°15 | 14°52 | 18° 9 | 19°16 | 12°47 | 13°40 | W14 |
| T 15 | 21 36 13 | 23°17'40 | 7♋50 | 28°34 | 14°31 | 28°42 | 7° 8 | 11°51 | 21°18 | 25°14 | 14°53 | 18° 6 | 19°13 | 12°54 | 13°40 | T 15 |
| F 16 | 21 40 9 | 24°15'06 | 22°40 | 27°50 | 15°40 | 29°21 | 7°19 | 11°47 | 21°21 | 25°13 | 14°55 | 18° 3 | 19°10 | 13° 1 | 13°R40 | F 16 |
| S 17 | 21 44 6 | 25°12'34 | 7♌46 | 27° 5 | 16°49 | 29°59 | 7°30 | 11°43 | 21°25 | 25°13 | 14°56 | 18° 0 | 19° 6 | 13° 7 | 13°40 | S 17 |
| S 18 | 21 48 2 | 26°10'02 | 22°57 | 26°19 | 17°59 | 0♍37 | 7°41 | 11°38 | 21°29 | 25°12 | 14°58 | 17°58 | 19° 3 | 13°14 | 13°40 | S 18 |
| M19 | 21 51 59 | 27° 7'31 | 8♍ 4 | 25°34 | 19° 8 | 1°16 | 7°52 | 11°34 | 21°33 | 25°12 | 15° 0 | 17°56 | 19° 0 | 13°21 | 13°40 | M19 |
| T 20 | 21 55 56 | 28° 5'01 | 22°59 | 24°51 | 20°18 | 1°54 | 8° 3 | 11°30 | 21°36 | 25°11 | 15° 1 | 17°D56 | 18°57 | 13°27 | 13°40 | T 20 |
| W21 | 21 59 52 | 29° 2'31 | 7♎34 | 24°10 | 21°28 | 2°32 | 8°14 | 11°25 | 21°40 | 25°10 | 15° 3 | 17°57 | 18°54 | 13°34 | 13°40 | W21 |
| T 22 | 22 3 49 | 0♍ 0'03 | 21°43 | 23°32 | 22°37 | 3°10 | 8°26 | 11°21 | 21°44 | 25°10 | 15° 5 | 17°58 | 18°50 | 13°41 | 13°39 | T 22 |
| F 23 | 22 7 45 | 0°57'35 | 5♏27 | 22°57 | 23°47 | 3°49 | 8°37 | 11°17 | 21°47 | 25°10 | 15° 6 | 17°59 | 18°47 | 13°47 | 13°39 | F 23 |
| S 24 | 22 11 42 | 1°55'08 | 18°44 | 22°28 | 24°57 | 4°27 | 8°49 | 11°12 | 21°51 | 25° 9 | 15° 8 | 18° 0 | 18°44 | 13°54 | 13°39 | S 24 |
| S 25 | 22 15 38 | 2°52'41 | 1♐38 | 22° 3 | 26° 7 | 5° 5 | 9° 0 | 11° 8 | 21°55 | 25° 9 | 15°10 | 18°R 1 | 18°41 | 14° 1 | 13°38 | S 25 |
| M26 | 22 19 35 | 3°50'16 | 14°11 | 21°45 | 27°18 | 5°43 | 9°12 | 11° 3 | 21°58 | 25° 8 | 15°12 | 18° 0 | 18°38 | 14° 7 | 13°38 | M26 |
| T 27 | 22 23 31 | 4°47'51 | 26°28 | 21°32 | 28°28 | 6°22 | 9°23 | 10°59 | 22° 2 | 25° 8 | 15°14 | 18° 0 | 18°35 | 14°14 | 13°37 | T 27 |
| W28 | 22 27 28 | 5°45'27 | 8♑33 | 21°D27 | 29°38 | 7° 0 | 9°35 | 10°54 | 22° 5 | 25° 8 | 15°15 | 17°58 | 18°31 | 14°21 | 13°37 | W28 |
| T 29 | 22 31 25 | 6°43'04 | 20°29 | 21°28 | 0♌48 | 7°38 | 9°47 | 10°50 | 22° 9 | 25° 8 | 15°17 | 17°57 | 18°28 | 14°27 | 13°36 | T 29 |
| F 30 | 22 35 21 | 7°40'42 | 2♒21 | 21°36 | 1°59 | 8°16 | 9°59 | 10°45 | 22°13 | 25° 7 | 15°19 | 17°55 | 18°25 | 14°34 | 13°35 | F 30 |
| S 31 | 22 39 18 | 8♍38'21 | 14♒10 | 21♌52 | 3♌10 | 8♍54 | 10♎10 | 10♓41 | 22♌16 | 25♐ 7 | 15♎21 | 17♍54 | 18♍22 | 14♒41 | 13♉34 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n40 | 18s 4 | 4n45 | 7n54 | 2s47 | 21n 9 | 2s 9 | 15n54 | 1n 9 | 0s49 | 1n 8 | 8s15 | 1s38 | 15n13 | 0n39 | 21s49 | 1n25 | 9n12 | 16n10 | 4n32 | 3n58 | 14s11 | 14n39 | 1s14 |
| F 2 | 17 25 | 17 6 | 4 14 | 7 37 | 3 1 | 21 12 | 2 7 | 15 42 | 1 9 | 0 53 | 1 8 | 8 17 | 1 38 | 15 12 | 0 39 | 21 49 | 1 25 | 9 12 | 16 9 | 4 34 | 3 59 | 14 10 | 14 39 | 1 14 |
| S 3 | 17 9 | 15 24 | 3 32 | 7 21 | 3 15 | 21 15 | 2 4 | 15 30 | 1 9 | 0 57 | 1 8 | 8 18 | 1 38 | 15 11 | 0 39 | 21 49 | 1 25 | 9 11 | 16 9 | 4 37 | 4 0 | 14 9 | 14 39 | 1 14 |
| S 4 | 16 53 | 13 3 | 2 41 | 7 7 | 3 28 | 21 17 | 2 1 | 15 18 | 1 9 | 1 1 | 1 8 | 8 20 | 1 39 | 15 10 | 0 39 | 21 49 | 1 25 | 9 10 | 16 8 | 4 39 | 4 1 | 14 8 | 14 39 | 1 14 |
| M 5 | 16 37 | 10 9 | 1 42 | 6 55 | 3 41 | 21 18 | 1 58 | 15 5 | 1 9 | 1 5 | 1 8 | 8 21 | 1 39 | 15 9 | 0 39 | 21 49 | 1 25 | 9 9 | 16 8 | 4 40 | 4 2 | 14 7 | 14 39 | 1 14 |
| T 6 | 16 20 | 6 50 | 0 39 | 6 46 | 3 54 | 21 19 | 1 55 | 14 53 | 1 9 | 1 10 | 1 7 | 8 23 | 1 39 | 15 8 | 0 39 | 21 49 | 1 25 | 9 8 | 16 7 | 4 40 | 4 4 | 14 6 | 14 39 | 1 15 |
| W 7 | 16 4 | 3 14 | 0s26 | 6 39 | 4 6 | 21 20 | 1 52 | 14 40 | 1 9 | 1 14 | 1 7 | 8 24 | 1 39 | 15 6 | 0 39 | 21 49 | 1 25 | 9 7 | 16 7 | 4 41 | 4 5 | 14 4 | 14 39 | 1 15 |
| T 8 | 15 47 | 0n33 | 1 31 | 6 34 | 4 17 | 21 20 | 1 49 | 14 27 | 1 9 | 1 18 | 1 7 | 8 26 | 1 39 | 15 5 | 0 39 | 21 49 | 1 25 | 9 6 | 16 7 | 4 40 | 4 6 | 14 3 | 14 39 | 1 15 |
| F 9 | 15 29 | 4 21 | 2 33 | 6 32 | 4 27 | 21 19 | 1 46 | 14 15 | 1 9 | 1 22 | 1 7 | 8 28 | 1 39 | 15 4 | 0 39 | 21 49 | 1 25 | 9 6 | 16 6 | 4 40 | 4 7 | 14 2 | 14 39 | 1 15 |
| S 10 | 15 12 | 8 2 | 3 28 | 6 32 | 4 36 | 21 18 | 1 43 | 14 2 | 1 9 | 1 26 | 1 7 | 8 29 | 1 39 | 15 3 | 0 39 | 21 49 | 1 25 | 9 5 | 16 6 | 4 39 | 4 9 | 14 1 | 14 39 | 1 15 |
| S 11 | 14 54 | 11 26 | 4 15 | 6 35 | 4 44 | 21 17 | 1 40 | 13 49 | 1 9 | 1 31 | 1 7 | 8 31 | 1 40 | 15 2 | 0 39 | 21 49 | 1 25 | 9 4 | 16 5 | 4 38 | 4 10 | 14 0 | 14 39 | 1 15 |
| M12 | 14 36 | 14 22 | 4 51 | 6 40 | 4 51 | 21 14 | 1 37 | 13 36 | 1 9 | 1 35 | 1 7 | 8 32 | 1 40 | 15 1 | 0 39 | 21 49 | 1 25 | 9 3 | 16 5 | 4 38 | 4 11 | 13 59 | 14 39 | 1 15 |
| T 13 | 14 18 | 16 36 | 5 11 | 6 48 | 4 56 | 21 12 | 1 34 | 13 23 | 1 9 | 1 39 | 1 7 | 8 34 | 1 40 | 14 59 | 0 39 | 21 49 | 1 25 | 9 2 | 16 5 | 4 39 | 4 12 | 13 58 | 14 39 | 1 16 |
| W14 | 14 0 | 17 56 | 5 13 | 6 58 | 5 0 | 21 8 | 1 31 | 13 9 | 1 9 | 1 44 | 1 6 | 8 36 | 1 40 | 14 58 | 0 39 | 21 49 | 1 25 | 9 1 | 16 4 | 4 40 | 4 14 | 13 56 | 14 39 | 1 16 |
| T 15 | 13 41 | 18 9 | 4 56 | 7 11 | 5 2 | 21 4 | 1 28 | 12 56 | 1 9 | 1 48 | 1 6 | 8 38 | 1 40 | 14 57 | 0 39 | 21 49 | 1 25 | 9 0 | 16 4 | 4 41 | 4 15 | 13 55 | 14 39 | 1 16 |
| F 16 | 13 22 | 17 9 | 4 19 | 7 26 | 5 2 | 21 0 | 1 24 | 12 43 | 1 8 | 1 52 | 1 6 | 8 39 | 1 40 | 14 56 | 0 39 | 21 49 | 1 25 | 8 59 | 16 4 | 4 42 | 4 16 | 13 54 | 14 39 | 1 16 |
| S 17 | 13 3 | 14 57 | 3 24 | 7 43 | 5 0 | 20 55 | 1 21 | 12 29 | 1 8 | 1 57 | 1 6 | 8 41 | 1 40 | 14 55 | 0 39 | 21 49 | 1 25 | 8 58 | 16 3 | 4 43 | 4 17 | 13 53 | 14 39 | 1 16 |
| S 18 | 12 44 | 11 41 | 2 14 | 8 1 | 4 57 | 20 49 | 1 18 | 12 16 | 1 8 | 2 1 | 1 6 | 8 43 | 1 41 | 14 53 | 0 39 | 21 49 | 1 25 | 8 57 | 16 3 | 4 44 | 4 19 | 13 52 | 14 39 | 1 16 |
| M19 | 12 24 | 7 40 | 0 54 | 8 21 | 4 52 | 20 43 | 1 15 | 12 2 | 1 8 | 2 6 | 1 6 | 8 44 | 1 41 | 14 52 | 0 39 | 21 49 | 1 24 | 8 56 | 16 3 | 4 45 | 4 20 | 13 51 | 14 38 | 1 17 |
| T 20 | 12 5 | 3 12 | 0n28 | 8 42 | 4 45 | 20 37 | 1 11 | 11 48 | 1 8 | 2 10 | 1 6 | 8 46 | 1 41 | 14 51 | 0 39 | 21 49 | 1 24 | 8 55 | 16 2 | 4 45 | 4 21 | 13 49 | 14 38 | 1 17 |
| W21 | 11 45 | 1s21 | 1 46 | 9 3 | 4 36 | 20 30 | 1 8 | 11 35 | 1 8 | 2 15 | 1 6 | 8 48 | 1 41 | 14 50 | 0 40 | 21 49 | 1 24 | 8 55 | 16 2 | 4 44 | 4 22 | 13 48 | 14 38 | 1 17 |
| T 22 | 11 25 | 5 42 | 2 56 | 9 25 | 4 26 | 20 22 | 1 5 | 11 21 | 1 8 | 2 19 | 1 6 | 8 50 | 1 41 | 14 49 | 0 40 | 21 49 | 1 24 | 8 54 | 16 2 | 4 44 | 4 24 | 13 47 | 14 38 | 1 17 |
| F 23 | 11 5 | 9 36 | 3 53 | 9 47 | 4 14 | 20 14 | 1 1 | 11 7 | 1 8 | 2 24 | 1 6 | 8 51 | 1 41 | 14 48 | 0 40 | 21 49 | 1 24 | 8 53 | 16 1 | 4 43 | 4 25 | 13 46 | 14 38 | 1 17 |
| S 24 | 10 44 | 12 52 | 4 36 | 10 9 | 4 1 | 20 5 | 0 58 | 10 53 | 1 8 | 2 28 | 1 5 | 8 53 | 1 41 | 14 46 | 0 40 | 21 49 | 1 24 | 8 52 | 16 1 | 4 43 | 4 26 | 13 45 | 14 37 | 1 17 |
| S 25 | 10 24 | 15 25 | 5 4 | 10 30 | 3 46 | 19 55 | 0 54 | 10 39 | 1 8 | 2 33 | 1 5 | 8 55 | 1 41 | 14 45 | 0 40 | 21 49 | 1 24 | 8 51 | 16 1 | 4 43 | 4 27 | 13 43 | 14 37 | 1 17 |
| M26 | 10 3 | 17 9 | 5 16 | 10 51 | 3 31 | 19 45 | 0 51 | 10 25 | 1 8 | 2 37 | 1 5 | 8 57 | 1 41 | 14 44 | 0 40 | 21 49 | 1 24 | 8 50 | 16 0 | 4 43 | 4 29 | 13 42 | 14 37 | 1 18 |
| T 27 | 9 42 | 18 3 | 5 13 | 11 10 | 3 15 | 19 35 | 0 48 | 10 11 | 1 8 | 2 42 | 1 5 | 8 59 | 1 41 | 14 43 | 0 40 | 21 49 | 1 24 | 8 49 | 16 0 | 4 43 | 4 30 | 13 41 | 14 36 | 1 18 |
| W28 | 9 21 | 18 6 | 4 57 | 11 28 | 2 58 | 19 24 | 0 44 | 9 57 | 1 8 | 2 47 | 1 5 | 9 0 | 1 42 | 14 42 | 0 40 | 21 49 | 1 24 | 8 48 | 16 0 | 4 44 | 4 31 | 13 40 | 14 36 | 1 18 |
| T 29 | 9 0 | 17 21 | 4 27 | 11 44 | 2 41 | 19 12 | 0 41 | 9 42 | 1 7 | 2 51 | 1 5 | 9 2 | 1 42 | 14 41 | 0 40 | 21 49 | 1 24 | 8 47 | 15 59 | 4 44 | 4 32 | 13 39 | 14 36 | 1 18 |
| F 30 | 8 39 | 15 51 | 3 47 | 11 58 | 2 23 | 19 0 | 0 38 | 9 28 | 1 7 | 2 56 | 1 5 | 9 4 | 1 42 | 14 39 | 0 40 | 21 49 | 1 24 | 8 46 | 15 59 | 4 45 | 4 33 | 13 37 | 14 35 | 1 18 |
| S 31 | 8n17 | 13s40 | 2n56 | 12n10 | 2s 6 | 18n48 | 0s34 | 9n14 | 1n 7 | 3s 1 | 1n 5 | 9s 6 | 1s42 | 14n38 | 0n40 | 21s49 | 1n24 | 8n45 | 15n59 | 4n46 | 4n35 | 13s36 | 14n35 | 1s18 |

Julian Day Number = 2804216.5, Delta T = 51m12s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°15'23, Lahiri = 37°22'24


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# ASTRODIENST EPHEMERIS for the year 2965
# geocentric

## SEPTEMBER 2965 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 43 14 | 9♍36'01 | 26♒ 0 | 22♌15 | 4♌20 | 9♍33 | 10♎22 | 10°R36 | 22♌20 | 25°R 7 | 15♎23 | 17°R53 | 18♍19 | 14♒47 | 13°R34 | S 1 |
| M 2 | 22 47 11 | 10°33'43 | 7♓54 | 22°45 | 5°31 | 10°11 | 10°34 | 10♓32 | 22°23 | 25♐ 7 | 15°25 | 17♍52 | 18°15 | 14°54 | 13♉33 | M 2 |
| T 3 | 22 51 7 | 11°31'25 | 19°52 | 23°23 | 6°42 | 10°49 | 10°46 | 10°27 | 22°27 | 25° 7 | 15°27 | 17°D52 | 18°12 | 15° 1 | 13°32 | T 3 |
| W 4 | 22 55 4 | 12°29'09 | 1♈59 | 24° 7 | 7°53 | 11°27 | 10°58 | 10°23 | 22°30 | 25° 7 | 15°29 | 17°52 | 18° 9 | 15° 7 | 13°31 | W 4 |
| T 5 | 22 59 0 | 13°26'54 | 14°14 | 24°59 | 9° 4 | 12° 5 | 11°11 | 10°18 | 22°34 | 25° 7 | 15°31 | 17°53 | 18° 6 | 15°14 | 13°30 | T 5 |
| F 6 | 23 2 57 | 14°24'40 | 26°41 | 25°58 | 10°15 | 12°44 | 11°23 | 10°14 | 22°38 | 25°D 7 | 15°33 | 17°53 | 18° 3 | 15°21 | 13°29 | F 6 |
| S 7 | 23 6 53 | 15°22'29 | 9♉22 | 27° 3 | 11°26 | 13°22 | 11°35 | 10° 9 | 22°41 | 25° 7 | 15°35 | 17°53 | 18° 0 | 15°27 | 13°28 | S 7 |
| S 8 | 23 10 50 | 16°20'18 | 22°18 | 28°15 | 12°37 | 14° 0 | 11°47 | 10° 5 | 22°44 | 25° 7 | 15°37 | 17°54 | 17°56 | 15°34 | 13°26 | S 8 |
| M 9 | 23 14 47 | 17°18'10 | 5♊32 | 29°32 | 13°49 | 14°38 | 11°59 | 10° 0 | 22°48 | 25° 7 | 15°39 | 17°54 | 17°53 | 15°41 | 13°25 | M 9 |
| T 10 | 23 18 43 | 18°16'03 | 19° 6 | 0♍55 | 15° 0 | 15°16 | 12°12 | 9°56 | 22°51 | 25° 7 | 15°41 | 17°54 | 17°50 | 15°47 | 13°24 | T 10 |
| W11 | 23 22 40 | 19°13'58 | 3♋ 1 | 2°24 | 16°12 | 15°54 | 12°24 | 9°51 | 22°55 | 25° 7 | 15°43 | 17°54 | 17°47 | 15°54 | 13°23 | W11 |
| T 12 | 23 26 36 | 20°11'55 | 17°15 | 3°57 | 17°23 | 16°33 | 12°36 | 9°47 | 22°58 | 25° 7 | 15°45 | 17°54 | 17°44 | 16° 1 | 13°21 | T 12 |
| F 13 | 23 30 33 | 21° 9'54 | 1♌48 | 5°34 | 18°35 | 17°11 | 12°49 | 9°43 | 23° 2 | 25° 7 | 15°47 | 17°54 | 17°41 | 16° 7 | 13°20 | F 13 |
| S 14 | 23 34 29 | 22° 7'54 | 16°34 | 7°15 | 19°47 | 17°49 | 13° 1 | 9°38 | 23° 5 | 25° 8 | 15°49 | 17°55 | 17°37 | 16°14 | 13°18 | S 14 |
| S 15 | 23 38 26 | 23° 5'56 | 1♍29 | 9° 0 | 20°59 | 18°27 | 13°14 | 9°34 | 23° 8 | 25° 8 | 15°52 | 17°55 | 17°34 | 16°21 | 13°17 | S 15 |
| M16 | 23 42 22 | 24° 4'00 | 16°24 | 10°47 | 22°10 | 19° 5 | 13°26 | 9°30 | 23°12 | 25° 8 | 15°54 | 17°R55 | 17°31 | 16°27 | 13°15 | M16 |
| T 17 | 23 46 19 | 25° 2'05 | 1♎11 | 12°37 | 23°22 | 19°43 | 13°39 | 9°25 | 23°15 | 25° 9 | 15°56 | 17°55 | 17°28 | 16°34 | 13°14 | T 17 |
| W18 | 23 50 16 | 26° 0'11 | 15°45 | 14°28 | 24°35 | 20°22 | 13°52 | 9°21 | 23°18 | 25° 9 | 15°58 | 17°54 | 17°25 | 16°41 | 13°12 | W18 |
| T 19 | 23 54 12 | 26°58'20 | 29°57 | 16°21 | 25°47 | 21° 0 | 14° 4 | 9°17 | 23°21 | 25°10 | 16° 0 | 17°53 | 17°21 | 16°47 | 13°10 | T 19 |
| F 20 | 23 58 9 | 27°56'30 | 13♏46 | 18°16 | 26°59 | 21°38 | 14°17 | 9°13 | 23°25 | 25°10 | 16° 2 | 17°52 | 17°18 | 16°54 | 13° 8 | F 20 |
| S 21 | 0 2 5 | 28°54'41 | 27° 9 | 20°11 | 28°11 | 22°16 | 14°29 | 9° 9 | 23°28 | 25°10 | 16° 5 | 17°51 | 17°15 | 17° 1 | 13° 7 | S 21 |
| S 22 | 0 6 2 | 29°52'54 | 10♐ 7 | 22° 6 | 29°23 | 22°54 | 14°42 | 9° 4 | 23°31 | 25°11 | 16° 7 | 17°50 | 17°12 | 17° 7 | 13° 5 | S 22 |
| M23 | 0 9 58 | 0♎51'08 | 22°43 | 24° 2 | 0♍36 | 23°32 | 14°55 | 9° 0 | 23°34 | 25°12 | 16° 9 | 17°49 | 17° 9 | 17°14 | 13° 3 | M23 |
| T 24 | 0 13 55 | 1°49'23 | 5♑ 1 | 25°57 | 1°48 | 24°11 | 15° 8 | 8°56 | 23°37 | 25°12 | 16°11 | 17°D49 | 17° 6 | 17°21 | 13° 1 | T 24 |
| W25 | 0 17 51 | 2°47'40 | 17° 5 | 27°53 | 3° 1 | 24°49 | 15°20 | 8°53 | 23°40 | 25°13 | 16°13 | 17°50 | 17° 2 | 17°27 | 12°59 | W25 |
| T 26 | 0 21 48 | 3°45'59 | 29° 0 | 29°48 | 4°13 | 25°27 | 15°33 | 8°49 | 23°43 | 25°13 | 16°16 | 17°51 | 16°59 | 17°34 | 12°57 | T 26 |
| F 27 | 0 25 45 | 4°44'19 | 10♒49 | 1♎42 | 5°26 | 26° 5 | 15°46 | 8°45 | 23°46 | 25°14 | 16°18 | 17°52 | 16°56 | 17°41 | 12°55 | F 27 |
| S 28 | 0 29 41 | 5°42'40 | 22°39 | 3°36 | 6°39 | 26°43 | 15°59 | 8°41 | 23°49 | 25°15 | 16°20 | 17°53 | 16°53 | 17°47 | 12°53 | S 28 |
| S 29 | 0 33 38 | 6°41'03 | 4♓32 | 5°29 | 7°51 | 27°21 | 16°12 | 8°37 | 23°52 | 25°16 | 16°22 | 17°55 | 16°50 | 17°54 | 12°51 | S 29 |
| M30 | 0 37 34 | 7♎39'28 | 16♓31 | 7♎21 | 9♍ 4 | 28♍ 0 | 16♎25 | 8♓34 | 23♌55 | 25♐16 | 16♎25 | 17°R55 | 16♍46 | 18♒ 1 | 12♉49 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n56 | 10s55 | 1n58 | 12n19 | 1s48 | 18n34 | 0s31 | 8n59 | 1n 7 | 3s 5 | 1n 5 | 9s 7 | 1s42 | 14n37 | 0n40 | 21s50 | 1n24 | 8n44 | 15n59 | 4n46 | 4n36 | 13s35 | 14n35 | 1s18 |
| M 2 | 7 34 | 7 43 | 0 55 | 12 26 | 1 30 | 18 21 | 0 27 | 8 45 | 1 7 | 3 10 | 1 5 | 9 9 | 1 42 | 14 36 | 0 40 | 21 50 | 1 24 | 8 43 | 15 58 | 4 46 | 4 37 | 13 34 | 14 34 | 1 19 |
| T 3 | 7 12 | 4 10 | 0s11 | 12 30 | 1 13 | 18 7 | 0 24 | 8 30 | 1 7 | 3 15 | 1 5 | 9 11 | 1 42 | 14 35 | 0 40 | 21 50 | 1 24 | 8 42 | 15 58 | 4 46 | 4 38 | 13 33 | 14 34 | 1 19 |
| W 4 | 6 50 | 0 24 | 1 18 | 12 32 | 0 56 | 17 52 | 0 21 | 8 16 | 1 7 | 3 20 | 1 5 | 9 13 | 1 42 | 14 34 | 0 40 | 21 50 | 1 24 | 8 41 | 15 58 | 4 46 | 4 40 | 13 31 | 14 33 | 1 19 |
| T 5 | 6 28 | 3n25 | 2 21 | 12 30 | 0 40 | 17 37 | 0 17 | 8 1 | 1 7 | 3 24 | 1 5 | 9 14 | 1 42 | 14 33 | 0 40 | 21 50 | 1 24 | 8 40 | 15 58 | 4 46 | 4 41 | 13 30 | 14 33 | 1 19 |
| F 6 | 6 6 | 7 8 | 3 19 | 12 25 | 0 24 | 17 21 | 0 14 | 7 47 | 1 7 | 3 29 | 1 4 | 9 16 | 1 42 | 14 32 | 0 40 | 21 50 | 1 24 | 8 39 | 15 57 | 4 46 | 4 42 | 13 29 | 14 33 | 1 19 |
| S 7 | 5 44 | 10 36 | 4 9 | 12 18 | 0 9 | 17 5 | 0 11 | 7 32 | 1 6 | 3 34 | 1 4 | 9 18 | 1 42 | 14 30 | 0 40 | 21 50 | 1 24 | 8 38 | 15 57 | 4 46 | 4 43 | 13 28 | 14 32 | 1 19 |
| S 8 | 5 22 | 13 37 | 4 47 | 12 7 | 0n 6 | 16 48 | 0 8 | 7 17 | 1 6 | 3 39 | 1 4 | 9 20 | 1 42 | 14 29 | 0 40 | 21 50 | 1 23 | 8 37 | 15 57 | 4 46 | 4 45 | 13 27 | 14 32 | 1 19 |
| M 9 | 4 59 | 16 1 | 5 10 | 11 52 | 0 19 | 16 31 | 0 4 | 7 2 | 1 6 | 3 44 | 1 4 | 9 21 | 1 42 | 14 28 | 0 40 | 21 50 | 1 23 | 8 36 | 15 57 | 4 46 | 4 46 | 13 25 | 14 31 | 1 20 |
| T 10 | 4 37 | 17 35 | 5 18 | 11 35 | 0 32 | 16 14 | 0 1 | 6 48 | 1 6 | 3 49 | 1 4 | 9 23 | 1 42 | 14 27 | 0 40 | 21 50 | 1 23 | 8 36 | 15 57 | 4 46 | 4 47 | 13 24 | 14 31 | 1 20 |
| W11 | 4 14 | 18 10 | 5 7 | 11 15 | 0 44 | 15 56 | 0n 2 | 6 33 | 1 6 | 3 53 | 1 4 | 9 25 | 1 42 | 14 26 | 0 40 | 21 50 | 1 23 | 8 35 | 15 56 | 4 46 | 4 48 | 13 23 | 14 30 | 1 20 |
| T 12 | 3 52 | 17 37 | 4 37 | 10 51 | 0 54 | 15 37 | 0 5 | 6 18 | 1 6 | 3 58 | 1 4 | 9 27 | 1 42 | 14 25 | 0 40 | 21 50 | 1 23 | 8 34 | 15 56 | 4 46 | 4 49 | 13 22 | 14 29 | 1 20 |
| F 13 | 3 29 | 15 56 | 3 49 | 10 25 | 1 4 | 15 18 | 0 8 | 6 3 | 1 6 | 4 3 | 1 4 | 9 28 | 1 43 | 14 24 | 0 40 | 21 50 | 1 23 | 8 33 | 15 56 | 4 45 | 4 51 | 13 20 | 14 29 | 1 20 |
| S 14 | 3 6 | 13 9 | 2 46 | 9 56 | 1 13 | 14 59 | 0 11 | 5 48 | 1 6 | 4 8 | 1 4 | 9 30 | 1 43 | 14 23 | 0 40 | 21 50 | 1 23 | 8 32 | 15 56 | 4 45 | 4 52 | 13 19 | 14 28 | 1 20 |
| S 15 | 2 44 | 9 29 | 1 30 | 9 24 | 1 21 | 14 39 | 0 14 | 5 33 | 1 5 | 4 13 | 1 4 | 9 32 | 1 43 | 14 22 | 0 40 | 21 50 | 1 23 | 8 31 | 15 56 | 4 45 | 4 53 | 13 18 | 14 28 | 1 20 |
| M16 | 2 21 | 5 13 | 0 8 | 8 50 | 1 27 | 14 19 | 0 17 | 5 18 | 1 5 | 4 18 | 1 4 | 9 33 | 1 43 | 14 21 | 0 40 | 21 50 | 1 23 | 8 30 | 15 56 | 4 45 | 4 54 | 13 17 | 14 27 | 1 21 |
| T 17 | 1 58 | 0 39 | 1n13 | 8 14 | 1 33 | 13 58 | 0 20 | 5 3 | 1 5 | 4 23 | 1 4 | 9 35 | 1 43 | 14 20 | 0 40 | 21 50 | 1 23 | 8 29 | 15 55 | 4 45 | 4 56 | 13 16 | 14 27 | 1 21 |
| W18 | 1 35 | 3s53 | 2 28 | 7 35 | 1 38 | 13 37 | 0 23 | 4 48 | 1 5 | 4 27 | 1 4 | 9 36 | 1 43 | 14 19 | 0 40 | 21 51 | 1 23 | 8 28 | 15 55 | 4 45 | 4 57 | 13 14 | 14 26 | 1 21 |
| T 19 | 1 12 | 8 4 | 3 33 | 6 55 | 1 41 | 13 16 | 0 26 | 4 33 | 1 5 | 4 32 | 1 4 | 9 38 | 1 43 | 14 17 | 0 40 | 21 51 | 1 23 | 8 27 | 15 55 | 4 46 | 4 58 | 13 13 | 14 25 | 1 21 |
| F 20 | 0 49 | 11 42 | 4 23 | 6 13 | 1 44 | 12 54 | 0 29 | 4 18 | 1 5 | 4 37 | 1 4 | 9 40 | 1 43 | 14 16 | 0 40 | 21 51 | 1 23 | 8 26 | 15 55 | 4 46 | 4 59 | 13 12 | 14 25 | 1 21 |
| S 21 | 0 26 | 14 36 | 4 57 | 5 30 | 1 46 | 12 32 | 0 32 | 4 2 | 1 5 | 4 42 | 1 4 | 9 41 | 1 43 | 14 15 | 0 40 | 21 51 | 1 23 | 8 25 | 15 55 | 4 47 | 5 1 | 13 11 | 14 24 | 1 21 |
| S 22 | 0 3 | 16 40 | 5 14 | 4 46 | 1 47 | 12 10 | 0 34 | 3 47 | 1 4 | 4 47 | 1 4 | 9 43 | 1 43 | 14 14 | 0 40 | 21 51 | 1 23 | 8 24 | 15 55 | 4 47 | 5 2 | 13 9 | 14 23 | 1 21 |
| M23 | 0s20 | 17 51 | 5 16 | 4 0 | 1 48 | 11 47 | 0 37 | 3 32 | 1 4 | 4 52 | 1 4 | 9 44 | 1 43 | 14 13 | 0 40 | 21 51 | 1 23 | 8 23 | 15 55 | 4 47 | 5 3 | 13 8 | 14 23 | 1 22 |
| T 24 | 0 43 | 18 10 | 5 3 | 3 14 | 1 47 | 11 24 | 0 40 | 3 17 | 1 4 | 4 57 | 1 4 | 9 46 | 1 43 | 14 12 | 0 40 | 21 51 | 1 23 | 8 23 | 15 55 | 4 47 | 5 4 | 13 7 | 14 22 | 1 22 |
| W25 | 1 6 | 17 39 | 4 37 | 2 28 | 1 46 | 11 0 | 0 42 | 3 2 | 1 4 | 5 2 | 1 4 | 9 47 | 1 43 | 14 11 | 0 40 | 21 51 | 1 23 | 8 22 | 15 54 | 4 47 | 5 6 | 13 6 | 14 21 | 1 22 |
| T 26 | 1 29 | 16 21 | 3 59 | 1 41 | 1 44 | 10 36 | 0 45 | 2 47 | 1 4 | 5 7 | 1 4 | 9 49 | 1 43 | 14 10 | 0 40 | 21 51 | 1 23 | 8 21 | 15 54 | 4 47 | 5 7 | 13 4 | 14 20 | 1 22 |
| F 27 | 1 52 | 14 21 | 3 11 | 0 53 | 1 42 | 10 12 | 0 47 | 2 31 | 1 4 | 5 12 | 1 4 | 9 50 | 1 43 | 14 10 | 0 40 | 21 51 | 1 22 | 8 20 | 15 54 | 4 46 | 5 8 | 13 3 | 14 20 | 1 22 |
| S 28 | 2 15 | 11 45 | 2 15 | 0 6 | 1 39 | 9 48 | 0 50 | 2 16 | 1 3 | 5 17 | 1 4 | 9 51 | 1 43 | 14 9 | 0 40 | 21 51 | 1 22 | 8 19 | 15 54 | 4 46 | 5 9 | 13 2 | 14 19 | 1 22 |
| S 29 | 2 38 | 8 40 | 1 13 | 0s42 | 1 36 | 9 23 | 0 52 | 2 1 | 1 3 | 5 22 | 1 3 | 9 53 | 1 43 | 14 8 | 0 40 | 21 51 | 1 22 | 8 18 | 15 54 | 4 45 | 5 10 | 13 0 | 14 18 | 1 22 |
| M30 | 3s 1 | 5s10 | 0n 8 | 1s29 | 1n32 | 8n58 | 0n54 | 1n46 | 1n 3 | 5s26 | 1n 3 | 9s54 | 1s43 | 14n 7 | 0n40 | 21s51 | 1n22 | 8n17 | 15n54 | 4n45 | 5n12 | 12s59 | 14n17 | 1s22 |

Julian Day Number = 2804247.5, Delta T = 51m13s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°15'27, Lahiri = 37°22'28


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# ASTRODIENST EPHEMERIS for the year 2965
# geocentric

## OCTOBER 2965 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 41 31 | 8♎37'55 | 28♓40 | 9♎12 | 10♍17 | 28♍38 | 16♎37 | 8°R30 | 23♌58 | 25♐17 | 16♎27 | 17°R55 | 16♍43 | 18♒ 7 | 12°R47 | T 1 |
| W 2 | 0 45 27 | 9°36'23 | 11♈ 0 | 11° 2 | 11°30 | 29°16 | 16°50 | 8♓26 | 24° 1 | 25°18 | 16°29 | 17♍53 | 16°40 | 18°14 | 12♉44 | W 2 |
| T 3 | 0 49 24 | 10°34'53 | 23°32 | 12°51 | 12°43 | 29°54 | 17° 3 | 8°23 | 24° 4 | 25°19 | 16°31 | 17°51 | 16°37 | 18°21 | 12°42 | T 3 |
| F 4 | 0 53 20 | 11°33'25 | 6♉18 | 14°39 | 13°56 | 0♎32 | 17°16 | 8°20 | 24° 7 | 25°20 | 16°34 | 17°47 | 16°34 | 18°27 | 12°40 | F 4 |
| S 5 | 0 57 17 | 12°31'59 | 19°18 | 16°27 | 15° 9 | 1°10 | 17°29 | 8°16 | 24° 9 | 25°21 | 16°36 | 17°44 | 16°31 | 18°34 | 12°37 | S 5 |
| S 6 | 1 1 13 | 13°30'35 | 2♊31 | 18°13 | 16°22 | 1°49 | 17°42 | 8°13 | 24°12 | 25°22 | 16°38 | 17°40 | 16°27 | 18°41 | 12°35 | S 6 |
| M 7 | 1 5 10 | 14°29'13 | 15°57 | 19°58 | 17°36 | 2°27 | 17°55 | 8°10 | 24°15 | 25°23 | 16°41 | 17°37 | 16°24 | 18°47 | 12°33 | M 7 |
| T 8 | 1 9 7 | 15°27'53 | 29°37 | 21°43 | 18°49 | 3° 5 | 18° 8 | 8° 7 | 24°17 | 25°24 | 16°43 | 17°35 | 16°21 | 18°54 | 12°30 | T 8 |
| W 9 | 1 13 3 | 16°26'36 | 13♋29 | 23°26 | 20° 2 | 3°43 | 18°21 | 8° 4 | 24°20 | 25°25 | 16°45 | 17°D34 | 16°18 | 19° 1 | 12°28 | W 9 |
| T 10 | 1 17 0 | 17°25'21 | 27°33 | 25° 8 | 21°16 | 4°21 | 18°34 | 8° 1 | 24°23 | 25°26 | 16°47 | 17°34 | 16°15 | 19° 7 | 12°25 | T 10 |
| F 11 | 1 20 56 | 18°24'08 | 11♌48 | 26°50 | 22°29 | 5° 0 | 18°47 | 7°58 | 24°25 | 25°27 | 16°50 | 17°35 | 16°12 | 19°14 | 12°23 | F 11 |
| S 12 | 1 24 53 | 19°22'57 | 26°12 | 28°30 | 23°43 | 5°38 | 19° 0 | 7°55 | 24°28 | 25°28 | 16°52 | 17°37 | 16° 8 | 19°21 | 12°20 | S 12 |
| S 13 | 1 28 49 | 20°21'49 | 10♍42 | 0♏10 | 24°57 | 6°16 | 19°13 | 7°52 | 24°30 | 25°29 | 16°54 | 17°R38 | 16° 5 | 19°27 | 12°18 | S 13 |
| M14 | 1 32 46 | 21°20'42 | 25°13 | 1°48 | 26°10 | 6°54 | 19°26 | 7°49 | 24°32 | 25°30 | 16°57 | 17°38 | 16° 2 | 19°34 | 12°15 | M14 |
| T 15 | 1 36 42 | 22°19'38 | 9♎41 | 3°26 | 27°24 | 7°33 | 19°39 | 7°47 | 24°35 | 25°32 | 16°59 | 17°36 | 15°59 | 19°41 | 12°13 | T 15 |
| W16 | 1 40 39 | 23°18'35 | 23°59 | 5° 3 | 28°38 | 8°11 | 19°52 | 7°44 | 24°37 | 25°33 | 17° 1 | 17°32 | 15°56 | 19°47 | 12°10 | W16 |
| T 17 | 1 44 36 | 24°17'35 | 8♏ 2 | 6°39 | 29°51 | 8°49 | 20° 5 | 7°42 | 24°39 | 25°34 | 17° 3 | 17°27 | 15°52 | 19°54 | 12° 7 | T 17 |
| F 18 | 1 48 32 | 25°16'36 | 21°46 | 8°14 | 1♎ 5 | 9°27 | 20°18 | 7°40 | 24°42 | 25°35 | 17° 6 | 17°21 | 15°49 | 20° 1 | 12° 5 | F 18 |
| S 19 | 1 52 29 | 26°15'40 | 5♐ 8 | 9°48 | 2°19 | 10° 6 | 20°30 | 7°37 | 24°44 | 25°37 | 17° 8 | 17°15 | 15°46 | 20° 7 | 12° 2 | S 19 |
| S 20 | 1 56 25 | 27°14'45 | 18° 8 | 11°22 | 3°33 | 10°44 | 20°43 | 7°35 | 24°46 | 25°38 | 17°10 | 17° 9 | 15°43 | 20°14 | 11°59 | S 20 |
| M21 | 2 0 22 | 28°13'52 | 0♑46 | 12°55 | 4°47 | 11°22 | 20°56 | 7°33 | 24°48 | 25°39 | 17°12 | 17° 4 | 15°40 | 20°21 | 11°57 | M21 |
| T 22 | 2 4 18 | 29°13'01 | 13° 5 | 14°27 | 6° 1 | 12° 0 | 21° 9 | 7°31 | 24°50 | 25°41 | 17°15 | 17° 1 | 15°37 | 20°27 | 11°54 | T 22 |
| W23 | 2 8 15 | 0♏12'11 | 25°10 | 15°58 | 7°15 | 12°39 | 21°22 | 7°29 | 24°52 | 25°42 | 17°17 | 16°D59 | 15°33 | 20°34 | 11°51 | W23 |
| T 24 | 2 12 11 | 1°11'23 | 7♒ 4 | 17°28 | 8°29 | 13°17 | 21°35 | 7°28 | 24°54 | 25°44 | 17°19 | 16°59 | 15°30 | 20°41 | 11°48 | T 24 |
| F 25 | 2 16 8 | 2°10'37 | 18°54 | 18°58 | 9°43 | 13°55 | 21°48 | 7°26 | 24°56 | 25°45 | 17°21 | 17° 0 | 15°27 | 20°47 | 11°46 | F 25 |
| S 26 | 2 20 5 | 3° 9'53 | 0♓43 | 20°27 | 10°58 | 14°33 | 22° 1 | 7°24 | 24°58 | 25°47 | 17°24 | 17° 2 | 15°24 | 20°54 | 11°43 | S 26 |
| S 27 | 2 24 1 | 4° 9'10 | 12°38 | 21°55 | 12°12 | 15°12 | 22°14 | 7°23 | 25° 0 | 25°48 | 17°26 | 17°R 3 | 15°21 | 21° 1 | 11°40 | S 27 |
| M28 | 2 27 58 | 5° 8'29 | 24°43 | 23°22 | 13°26 | 15°50 | 22°26 | 7°22 | 25° 2 | 25°50 | 17°28 | 17° 3 | 15°18 | 21° 7 | 11°37 | M28 |
| T 29 | 2 31 54 | 6° 7'50 | 7♈ 1 | 24°49 | 14°40 | 16°28 | 22°39 | 7°20 | 25° 3 | 25°51 | 17°30 | 17° 1 | 15°14 | 21°14 | 11°35 | T 29 |
| W30 | 2 35 51 | 7° 7'13 | 19°34 | 26°14 | 15°55 | 17° 7 | 22°52 | 7°19 | 25° 5 | 25°53 | 17°32 | 16°56 | 15°11 | 21°21 | 11°32 | W30 |
| T 31 | 2 39 47 | 8♏ 6'38 | 2♉25 | 27♏39 | 17♎ 9 | 17♎45 | 23♎ 5 | 7♓18 | 25♌ 7 | 25♐55 | 17♎35 | 16♍50 | 15♍ 8 | 21♒27 | 11♉29 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 3s24 | 1s26 | 0s59 | 2s17 | 1n28 | 8n33 | 0n57 | 1n30 | 1n 3 | 5s31 | 1n 3 | 9s55 | 1s42 | 14n 6 | 0n40 | 21s51 | 1n22 | 8n16 | 15n54 | 4n45 | 5n13 | 12s58 | 14n17 | 1s23 |
| W 2 | 3 47 | 2n26 | 2 4 | 3 4 | 1 23 | 8 7 | 0 59 | 1 15 | 1 3 | 5 36 | 1 3 | 9 57 | 1 42 | 14 5 | 0 40 | 21 52 | 1 22 | 8 15 | 15 54 | 4 46 | 5 14 | 12 57 | 14 16 | 1 23 |
| T 3 | 4 10 | 6 15 | 3 4 | 3 51 | 1 18 | 7 41 | 1 1 | 1 0 | 1 2 | 5 41 | 1 3 | 9 58 | 1 42 | 14 4 | 0 40 | 21 52 | 1 22 | 8 15 | 15 54 | 4 47 | 5 15 | 12 55 | 14 15 | 1 23 |
| F 4 | 4 33 | 9 50 | 3 56 | 4 38 | 1 13 | 7 15 | 1 3 | 0 44 | 1 2 | 5 46 | 1 3 | 9 59 | 1 42 | 14 3 | 0 40 | 21 52 | 1 22 | 8 14 | 15 54 | 4 48 | 5 17 | 12 54 | 14 14 | 1 23 |
| S 5 | 4 56 | 13 1 | 4 36 | 5 24 | 1 7 | 6 49 | 1 5 | 0 29 | 1 2 | 5 51 | 1 3 | 10 0 | 1 42 | 14 2 | 0 40 | 21 52 | 1 22 | 8 13 | 15 54 | 4 50 | 5 18 | 12 53 | 14 14 | 1 23 |
| S 6 | 5 18 | 15 36 | 5 3 | 6 9 | 1 2 | 6 23 | 1 7 | 0 14 | 1 2 | 5 56 | 1 3 | 10 2 | 1 42 | 14 1 | 0 40 | 21 52 | 1 22 | 8 12 | 15 54 | 4 51 | 5 19 | 12 52 | 14 13 | 1 23 |
| M 7 | 5 41 | 17 23 | 5 14 | 6 55 | 0 56 | 5 56 | 1 9 | 0s 1 | 1 2 | 6 1 | 1 3 | 10 3 | 1 42 | 14 0 | 0 40 | 21 52 | 1 22 | 8 11 | 15 54 | 4 52 | 5 20 | 12 50 | 14 12 | 1 23 |
| T 8 | 6 3 | 18 12 | 5 7 | 7 39 | 0 49 | 5 29 | 1 11 | 0 17 | 1 2 | 6 6 | 1 3 | 10 4 | 1 42 | 14 0 | 0 41 | 21 52 | 1 22 | 8 10 | 15 54 | 4 53 | 5 21 | 12 49 | 14 11 | 1 23 |
| W 9 | 6 26 | 17 57 | 4 42 | 8 23 | 0 43 | 5 2 | 1 13 | 0 32 | 1 1 | 6 11 | 1 3 | 10 5 | 1 42 | 13 59 | 0 41 | 21 52 | 1 22 | 8 10 | 15 54 | 4 53 | 5 23 | 12 48 | 14 10 | 1 24 |
| T 10 | 6 48 | 16 36 | 4 1 | 9 7 | 0 36 | 4 35 | 1 14 | 0 47 | 1 1 | 6 16 | 1 3 | 10 6 | 1 42 | 13 58 | 0 41 | 21 52 | 1 22 | 8 9 | 15 54 | 4 53 | 5 24 | 12 46 | 14 9 | 1 24 |
| F 11 | 7 11 | 14 13 | 3 4 | 9 50 | 0 30 | 4 8 | 1 16 | 1 3 | 1 1 | 6 20 | 1 3 | 10 7 | 1 42 | 13 57 | 0 41 | 21 52 | 1 22 | 8 8 | 15 54 | 4 53 | 5 25 | 12 45 | 14 8 | 1 24 |
| S 12 | 7 33 | 10 55 | 1 55 | 10 32 | 0 23 | 3 40 | 1 17 | 1 18 | 1 1 | 6 25 | 1 3 | 10 8 | 1 42 | 13 56 | 0 41 | 21 52 | 1 22 | 8 7 | 15 54 | 4 52 | 5 26 | 12 44 | 14 8 | 1 24 |
| S 13 | 7 55 | 6 56 | 0 38 | 11 13 | 0 16 | 3 12 | 1 19 | 1 33 | 1 0 | 6 30 | 1 3 | 10 9 | 1 42 | 13 56 | 0 41 | 21 52 | 1 22 | 8 6 | 15 54 | 4 52 | 5 28 | 12 43 | 14 7 | 1 24 |
| M14 | 8 17 | 2 31 | 0n41 | 11 54 | 0 9 | 2 45 | 1 20 | 1 48 | 1 0 | 6 35 | 1 3 | 10 10 | 1 42 | 13 55 | 0 41 | 21 53 | 1 22 | 8 6 | 15 54 | 4 52 | 5 29 | 12 41 | 14 6 | 1 24 |
| T 15 | 8 39 | 2s 1 | 1 58 | 12 34 | 0 2 | 2 17 | 1 22 | 2 3 | 1 0 | 6 40 | 1 3 | 10 11 | 1 42 | 13 54 | 0 41 | 21 53 | 1 22 | 8 5 | 15 55 | 4 53 | 5 30 | 12 40 | 14 5 | 1 24 |
| W16 | 9 1 | 6 23 | 3 5 | 13 13 | 0s 5 | 1 49 | 1 23 | 2 19 | 1 0 | 6 45 | 1 3 | 10 12 | 1 42 | 13 53 | 0 41 | 21 53 | 1 22 | 8 4 | 15 55 | 4 54 | 5 31 | 12 39 | 14 4 | 1 24 |
| T 17 | 9 22 | 10 19 | 4 0 | 13 51 | 0 12 | 1 21 | 1 24 | 2 34 | 1 0 | 6 50 | 1 3 | 10 13 | 1 42 | 13 53 | 0 41 | 21 53 | 1 22 | 8 3 | 15 55 | 4 56 | 5 33 | 12 37 | 14 3 | 1 24 |
| F 18 | 9 44 | 13 36 | 4 40 | 14 29 | 0 19 | 0 53 | 1 25 | 2 49 | 0 59 | 6 54 | 1 3 | 10 13 | 1 42 | 13 52 | 0 41 | 21 53 | 1 21 | 8 3 | 15 55 | 4 58 | 5 34 | 12 36 | 14 2 | 1 24 |
| S 19 | 10 5 | 16 4 | 5 4 | 15 6 | 0 27 | 0 24 | 1 26 | 3 4 | 0 59 | 6 59 | 1 3 | 10 14 | 1 42 | 13 51 | 0 41 | 21 53 | 1 21 | 8 2 | 15 55 | 5 1 | 5 35 | 12 35 | 14 1 | 1 25 |
| S 20 | 10 26 | 17 38 | 5 10 | 15 42 | 0 34 | 0s 4 | 1 27 | 3 19 | 0 59 | 7 4 | 1 4 | 10 15 | 1 41 | 13 50 | 0 41 | 21 53 | 1 21 | 8 1 | 15 55 | 5 3 | 5 36 | 12 33 | 14 0 | 1 25 |
| M21 | 10 47 | 18 17 | 5 2 | 16 17 | 0 41 | 0 32 | 1 28 | 3 34 | 0 59 | 7 9 | 1 4 | 10 16 | 1 41 | 13 50 | 0 41 | 21 53 | 1 21 | 8 0 | 15 55 | 5 5 | 5 37 | 12 32 | 14 0 | 1 25 |
| T 22 | 11 8 | 18 3 | 4 39 | 16 51 | 0 48 | 1 1 | 1 29 | 3 49 | 0 58 | 7 14 | 1 4 | 10 16 | 1 41 | 13 49 | 0 41 | 21 53 | 1 21 | 8 0 | 15 55 | 5 6 | 5 39 | 12 31 | 13 59 | 1 25 |
| W23 | 11 29 | 16 59 | 4 4 | 17 24 | 0 55 | 1 29 | 1 30 | 4 5 | 0 58 | 7 18 | 1 4 | 10 17 | 1 41 | 13 48 | 0 41 | 21 53 | 1 21 | 7 59 | 15 55 | 5 7 | 5 40 | 12 29 | 13 58 | 1 25 |
| T 24 | 11 50 | 15 11 | 3 20 | 17 57 | 1 2 | 1 58 | 1 31 | 4 20 | 0 58 | 7 23 | 1 4 | 10 17 | 1 41 | 13 48 | 0 41 | 21 53 | 1 21 | 7 58 | 15 56 | 5 7 | 5 41 | 12 28 | 13 57 | 1 25 |
| F 25 | 12 10 | 12 45 | 2 27 | 18 28 | 1 9 | 2 26 | 1 31 | 4 35 | 0 58 | 7 28 | 1 4 | 10 18 | 1 41 | 13 47 | 0 41 | 21 54 | 1 21 | 7 58 | 15 56 | 5 6 | 5 42 | 12 27 | 13 56 | 1 25 |
| S 26 | 12 30 | 9 48 | 1 27 | 18 59 | 1 16 | 2 54 | 1 32 | 4 50 | 0 57 | 7 33 | 1 4 | 10 18 | 1 41 | 13 47 | 0 41 | 21 54 | 1 21 | 7 57 | 15 56 | 5 6 | 5 44 | 12 25 | 13 55 | 1 25 |
| S 27 | 12 50 | 6 25 | 0 24 | 19 28 | 1 22 | 3 23 | 1 32 | 5 4 | 0 57 | 7 37 | 1 4 | 10 19 | 1 41 | 13 46 | 0 41 | 21 54 | 1 21 | 7 56 | 15 56 | 5 5 | 5 45 | 12 24 | 13 54 | 1 25 |
| M28 | 13 10 | 2 43 | 0s41 | 19 57 | 1 29 | 3 51 | 1 33 | 5 19 | 0 57 | 7 42 | 1 4 | 10 19 | 1 41 | 13 46 | 0 41 | 21 54 | 1 21 | 7 56 | 15 56 | 5 5 | 5 46 | 12 23 | 13 53 | 1 25 |
| T 29 | 13 30 | 1n 9 | 1 46 | 20 25 | 1 35 | 4 19 | 1 33 | 5 34 | 0 57 | 7 47 | 1 4 | 10 20 | 1 41 | 13 45 | 0 41 | 21 54 | 1 21 | 7 55 | 15 56 | 5 6 | 5 47 | 12 21 | 13 52 | 1 26 |
| W30 | 13 49 | 5 3 | 2 46 | 20 51 | 1 42 | 4 48 | 1 33 | 5 49 | 0 56 | 7 51 | 1 4 | 10 20 | 1 41 | 13 44 | 0 41 | 21 54 | 1 21 | 7 55 | 15 57 | 5 8 | 5 48 | 12 20 | 13 51 | 1 26 |
| T 31 | 14s 8 | 8n49 | 3s39 | 21s17 | 1s48 | 5s16 | 1n33 | 6s 4 | 0n56 | 7s56 | 1n 4 | 10s20 | 1s41 | 13n44 | 0n41 | 21s54 | 1n21 | 7n54 | 15n57 | 5n10 | 5n50 | 12s19 | 13n50 | 1s26 |

Julian Day Number = 2804277.5, Delta T = 51m13s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°15'32, Lahiri = 37°22'32


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# ASTRODIENST EPHEMERIS for the year 2965
# geocentric

## NOVEMBER 2965 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 2 43 44 | 9♏ 6'04 | 15♉33 | 29♏ 3 | 18♎24 | 18♎23 | 23♎17 | 7°R17 | 25♌ 8 | 25♐56 | 17♎37 | 16°R41 | 15♍ 5 | 21♒34 | 11°R26 | F 1 |
| S 2 | 2 47 40 | 10° 5'33 | 28°58 | 0♐26 | 19°38 | 19° 2 | 23°30 | 7♓16 | 25°10 | 25°58 | 17°39 | 16♍32 | 15° 2 | 21°40 | 11♉23 | S 2 |
| S 3 | 2 51 37 | 11° 5'04 | 12♊35 | 1°49 | 20°53 | 19°40 | 23°43 | 7°15 | 25°11 | 26° 0 | 17°41 | 16°23 | 14°58 | 21°47 | 11°20 | S 3 |
| M 4 | 2 55 33 | 12° 4'37 | 26°24 | 3°10 | 22° 7 | 20°18 | 23°55 | 7°15 | 25°13 | 26° 2 | 17°43 | 16°15 | 14°55 | 21°54 | 11°18 | M 4 |
| T 5 | 2 59 30 | 13° 4'12 | 10♋21 | 4°30 | 23°22 | 20°57 | 24° 8 | 7°14 | 25°14 | 26° 3 | 17°45 | 16° 8 | 14°52 | 22° 0 | 11°15 | T 5 |
| W 6 | 3 3 27 | 14° 3'49 | 24°23 | 5°49 | 24°36 | 21°35 | 24°21 | 7°14 | 25°16 | 26° 5 | 17°47 | 16° 4 | 14°49 | 22° 7 | 11°12 | W 6 |
| T 7 | 3 7 23 | 15° 3'29 | 8♌28 | 7° 7 | 25°51 | 22°13 | 24°33 | 7°13 | 25°17 | 26° 7 | 17°50 | 16° 3 | 14°46 | 22°14 | 11° 9 | T 7 |
| F 8 | 3 11 20 | 16° 3'10 | 22°34 | 8°23 | 27° 6 | 22°52 | 24°46 | 7°13 | 25°18 | 26° 9 | 17°52 | 16°D 3 | 14°43 | 22°20 | 11° 6 | F 8 |
| S 9 | 3 15 16 | 17° 2'54 | 6♍42 | 9°38 | 28°20 | 23°30 | 24°58 | 7°13 | 25°19 | 26°10 | 17°54 | 16° 3 | 14°39 | 22°27 | 11° 4 | S 9 |
| S 10 | 3 19 13 | 18° 2'40 | 20°49 | 10°52 | 29°35 | 24° 8 | 25°11 | 7°D13 | 25°21 | 26°12 | 17°56 | 16°R 3 | 14°36 | 22°34 | 11° 1 | S 10 |
| M11 | 3 23 9 | 19° 2'29 | 4♎54 | 12° 4 | 0♏50 | 24°47 | 25°23 | 7°13 | 25°22 | 26°14 | 17°58 | 16° 2 | 14°33 | 22°40 | 10°58 | M11 |
| T 12 | 3 27 6 | 20° 2'19 | 18°55 | 13°14 | 2° 4 | 25°25 | 25°36 | 7°13 | 25°23 | 26°16 | 18° 0 | 15°58 | 14°30 | 22°47 | 10°55 | T 12 |
| W13 | 3 31 2 | 21° 2'12 | 2♏48 | 14°23 | 3°19 | 26° 4 | 25°48 | 7°13 | 25°24 | 26°18 | 18° 2 | 15°51 | 14°27 | 22°54 | 10°52 | W13 |
| T 14 | 3 34 59 | 22° 2'06 | 16°31 | 15°29 | 4°34 | 26°42 | 26° 0 | 7°13 | 25°25 | 26°20 | 18° 4 | 15°42 | 14°23 | 23° 0 | 10°50 | T 14 |
| F 15 | 3 38 56 | 23° 2'03 | 29°59 | 16°32 | 5°49 | 27°21 | 26°12 | 7°14 | 25°25 | 26°22 | 18° 6 | 15°31 | 14°20 | 23° 7 | 10°47 | F 15 |
| S 16 | 3 42 52 | 24° 2'01 | 13♐11 | 17°33 | 7° 4 | 27°59 | 26°25 | 7°14 | 25°26 | 26°24 | 18° 8 | 15°18 | 14°17 | 23°14 | 10°44 | S 16 |
| S 17 | 3 46 49 | 25° 2'01 | 26° 4 | 18°31 | 8°19 | 28°37 | 26°37 | 7°15 | 25°27 | 26°26 | 18°10 | 15° 7 | 14°14 | 23°20 | 10°41 | S 17 |
| M18 | 3 50 45 | 26° 2'03 | 8♑39 | 19°26 | 9°34 | 29°16 | 26°49 | 7°16 | 25°28 | 26°28 | 18°12 | 14°56 | 14°11 | 23°27 | 10°39 | M18 |
| T 19 | 3 54 42 | 27° 2'06 | 20°57 | 20°17 | 10°49 | 29°54 | 27° 1 | 7°17 | 25°28 | 26°30 | 18°13 | 14°49 | 14° 8 | 23°34 | 10°36 | T 19 |
| W20 | 3 58 38 | 28° 2'11 | 3♒ 0 | 21° 3 | 12° 4 | 0♏33 | 27°13 | 7°17 | 25°29 | 26°32 | 18°15 | 14°43 | 14° 4 | 23°40 | 10°33 | W20 |
| T 21 | 4 2 35 | 29° 2'18 | 14°54 | 21°45 | 13°19 | 1°11 | 27°25 | 7°19 | 25°30 | 26°34 | 18°17 | 14°40 | 14° 1 | 23°47 | 10°31 | T 21 |
| F 22 | 4 6 31 | 0♐ 2'25 | 26°42 | 22°22 | 14°34 | 1°50 | 27°37 | 7°20 | 25°30 | 26°36 | 18°19 | 14°D39 | 13°58 | 23°54 | 10°28 | F 22 |
| S 23 | 4 10 28 | 1° 2'35 | 8♓31 | 22°53 | 15°49 | 2°28 | 27°49 | 7°21 | 25°31 | 26°38 | 18°21 | 14°R39 | 13°55 | 24° 0 | 10°25 | S 23 |
| S 24 | 4 14 25 | 2° 2'46 | 20°26 | 23°17 | 17° 4 | 3° 7 | 28° 1 | 7°22 | 25°31 | 26°40 | 18°23 | 14°39 | 13°52 | 24° 7 | 10°23 | S 24 |
| M25 | 4 18 21 | 3° 2'58 | 2♈32 | 23°34 | 18°19 | 3°45 | 28°12 | 7°24 | 25°31 | 26°42 | 18°24 | 14°38 | 13°49 | 24°14 | 10°20 | M25 |
| T 26 | 4 22 18 | 4° 3'12 | 14°54 | 23°43 | 19°34 | 4°24 | 28°24 | 7°25 | 25°31 | 26°44 | 18°26 | 14°35 | 13°45 | 24°20 | 10°18 | T 26 |
| W27 | 4 26 14 | 5° 3'27 | 27°36 | 23°R44 | 20°49 | 5° 2 | 28°36 | 7°27 | 25°32 | 26°46 | 18°28 | 14°29 | 13°42 | 24°27 | 10°15 | W27 |
| T 28 | 4 30 11 | 6° 3'44 | 10♉40 | 23°36 | 22° 4 | 5°41 | 28°47 | 7°29 | 25°32 | 26°49 | 18°30 | 14°20 | 13°39 | 24°33 | 10°13 | T 28 |
| F 29 | 4 34 7 | 7° 4'02 | 24° 7 | 23°17 | 23°19 | 6°19 | 28°59 | 7°31 | 25°32 | 26°51 | 18°31 | 14° 9 | 13°36 | 24°40 | 10°10 | F 29 |
| S 30 | 4 38 4 | 8♐ 4'22 | 7♊55 | 22♐49 | 24♏35 | 6♏58 | 29♎10 | 7♓33 | 25°R32 | 26♐53 | 18♎33 | 13♍56 | 13♍33 | 24♒47 | 10♉ 8 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14s27 | 12n13 | 4s22 | 21s42 | 1s54 | 5s44 | 1n34 | 6s19 | 0n56 | 8s 1 | 1n 4 | 10s21 | 1s40 | 13n43 | 0n41 | 21s54 | 1n21 | 7n53 | 15n57 | 5n14 | 5n51 | 12s17 | 13n49 | 1s26 |
| S 2 | 14 46 | 15 4 | 4 52 | 22 5 | 2 0 | 6 12 | 1 34 | 6 33 | 0 56 | 8 5 | 1 4 | 10 21 | 1 40 | 13 43 | 0 41 | 21 54 | 1 21 | 7 53 | 15 57 | 5 17 | 5 52 | 12 16 | 13 48 | 1 26 |
| S 3 | 15 4 | 17 9 | 5 5 | 22 28 | 2 5 | 6 40 | 1 34 | 6 48 | 0 55 | 8 10 | 1 4 | 10 21 | 1 40 | 13 42 | 0 42 | 21 54 | 1 21 | 7 52 | 15 58 | 5 21 | 5 53 | 12 15 | 13 47 | 1 26 |
| M 4 | 15 23 | 18 15 | 5 1 | 22 49 | 2 11 | 7 7 | 1 34 | 7 3 | 0 55 | 8 14 | 1 4 | 10 21 | 1 40 | 13 42 | 0 42 | 21 54 | 1 21 | 7 52 | 15 58 | 5 24 | 5 55 | 12 13 | 13 46 | 1 26 |
| T 5 | 15 41 | 18 16 | 4 39 | 23 9 | 2 16 | 7 35 | 1 33 | 7 17 | 0 55 | 8 19 | 1 4 | 10 21 | 1 40 | 13 42 | 0 42 | 21 54 | 1 21 | 7 51 | 15 58 | 5 26 | 5 56 | 12 12 | 13 45 | 1 26 |
| W 6 | 15 58 | 17 11 | 4 0 | 23 29 | 2 21 | 8 2 | 1 33 | 7 32 | 0 54 | 8 24 | 1 4 | 10 22 | 1 40 | 13 41 | 0 42 | 21 55 | 1 21 | 7 51 | 15 58 | 5 28 | 5 57 | 12 11 | 13 45 | 1 26 |
| T 7 | 16 16 | 15 2 | 3 7 | 23 47 | 2 26 | 8 30 | 1 33 | 7 46 | 0 54 | 8 28 | 1 4 | 10 22 | 1 40 | 13 41 | 0 42 | 21 55 | 1 21 | 7 50 | 15 59 | 5 29 | 5 58 | 12 9 | 13 44 | 1 26 |
| F 8 | 16 33 | 11 59 | 2 2 | 24 3 | 2 30 | 8 57 | 1 32 | 8 1 | 0 54 | 8 33 | 1 4 | 10 22 | 1 40 | 13 40 | 0 42 | 21 55 | 1 21 | 7 50 | 15 59 | 5 29 | 5 59 | 12 8 | 13 43 | 1 26 |
| S 9 | 16 50 | 8 14 | 0 50 | 24 19 | 2 34 | 9 24 | 1 32 | 8 15 | 0 54 | 8 37 | 1 4 | 10 22 | 1 40 | 13 40 | 0 42 | 21 55 | 1 21 | 7 49 | 15 59 | 5 28 | 6 1 | 12 7 | 13 42 | 1 26 |
| S 10 | 17 7 | 4 1 | 0n25 | 24 33 | 2 38 | 9 50 | 1 31 | 8 29 | 0 53 | 8 42 | 1 4 | 10 22 | 1 40 | 13 40 | 0 42 | 21 55 | 1 21 | 7 49 | 15 59 | 5 28 | 6 2 | 12 5 | 13 41 | 1 27 |
| M11 | 17 23 | 0s25 | 1 39 | 24 47 | 2 41 | 10 17 | 1 31 | 8 44 | 0 53 | 8 46 | 1 4 | 10 21 | 1 39 | 13 39 | 0 42 | 21 55 | 1 21 | 7 48 | 16 0 | 5 29 | 6 3 | 12 4 | 13 40 | 1 27 |
| T 12 | 17 39 | 4 49 | 2 46 | 24 59 | 2 44 | 10 43 | 1 30 | 8 58 | 0 53 | 8 50 | 1 5 | 10 21 | 1 39 | 13 39 | 0 42 | 21 55 | 1 21 | 7 48 | 16 0 | 5 30 | 6 4 | 12 3 | 13 39 | 1 27 |
| W13 | 17 55 | 8 54 | 3 42 | 25 9 | 2 46 | 11 9 | 1 30 | 9 12 | 0 52 | 8 55 | 1 5 | 10 21 | 1 39 | 13 39 | 0 42 | 21 55 | 1 20 | 7 47 | 16 0 | 5 33 | 6 6 | 12 1 | 13 38 | 1 27 |
| T 14 | 18 11 | 12 27 | 4 25 | 25 19 | 2 48 | 11 35 | 1 29 | 9 26 | 0 52 | 8 59 | 1 5 | 10 21 | 1 39 | 13 39 | 0 42 | 21 55 | 1 20 | 7 47 | 16 1 | 5 37 | 6 7 | 12 0 | 13 37 | 1 27 |
| F 15 | 18 26 | 15 17 | 4 52 | 25 27 | 2 50 | 12 0 | 1 28 | 9 40 | 0 52 | 9 3 | 1 5 | 10 21 | 1 39 | 13 38 | 0 42 | 21 55 | 1 20 | 7 46 | 16 1 | 5 41 | 6 8 | 11 58 | 13 36 | 1 27 |
| S 16 | 18 41 | 17 16 | 5 2 | 25 34 | 2 51 | 12 26 | 1 27 | 9 54 | 0 51 | 9 8 | 1 5 | 10 20 | 1 39 | 13 38 | 0 42 | 21 55 | 1 20 | 7 46 | 16 1 | 5 46 | 6 9 | 11 57 | 13 35 | 1 27 |
| S 17 | 18 55 | 18 18 | 4 57 | 25 39 | 2 51 | 12 51 | 1 26 | 10 8 | 0 51 | 9 12 | 1 5 | 10 20 | 1 39 | 13 38 | 0 42 | 21 55 | 1 20 | 7 46 | 16 2 | 5 50 | 6 10 | 11 56 | 13 34 | 1 27 |
| M18 | 19 10 | 18 25 | 4 37 | 25 43 | 2 50 | 13 15 | 1 25 | 10 22 | 0 51 | 9 16 | 1 5 | 10 20 | 1 39 | 13 38 | 0 42 | 21 56 | 1 20 | 7 45 | 16 2 | 5 54 | 6 12 | 11 54 | 13 34 | 1 27 |
| T 19 | 19 23 | 17 39 | 4 5 | 25 46 | 2 49 | 13 40 | 1 24 | 10 35 | 0 50 | 9 21 | 1 5 | 10 19 | 1 39 | 13 37 | 0 42 | 21 56 | 1 20 | 7 45 | 16 2 | 5 57 | 6 13 | 11 53 | 13 33 | 1 27 |
| W20 | 19 37 | 16 6 | 3 22 | 25 47 | 2 47 | 14 4 | 1 23 | 10 49 | 0 50 | 9 25 | 1 5 | 10 19 | 1 38 | 13 37 | 0 42 | 21 56 | 1 20 | 7 44 | 16 3 | 5 59 | 6 14 | 11 52 | 13 32 | 1 27 |
| T 21 | 19 50 | 13 52 | 2 31 | 25 47 | 2 44 | 14 27 | 1 22 | 11 3 | 0 50 | 9 29 | 1 5 | 10 18 | 1 38 | 13 37 | 0 42 | 21 56 | 1 20 | 7 44 | 16 3 | 6 0 | 6 15 | 11 50 | 13 31 | 1 27 |
| F 22 | 20 3 | 11 4 | 1 34 | 25 46 | 2 40 | 14 51 | 1 20 | 11 16 | 0 49 | 9 33 | 1 5 | 10 18 | 1 38 | 13 37 | 0 42 | 21 56 | 1 20 | 7 44 | 16 3 | 6 1 | 6 16 | 11 49 | 13 30 | 1 27 |
| S 23 | 20 16 | 7 50 | 0 33 | 25 42 | 2 35 | 15 13 | 1 19 | 11 30 | 0 49 | 9 37 | 1 5 | 10 17 | 1 38 | 13 37 | 0 42 | 21 56 | 1 20 | 7 43 | 16 4 | 6 1 | 6 18 | 11 47 | 13 29 | 1 27 |
| S 24 | 20 28 | 4 14 | 0s31 | 25 38 | 2 29 | 15 36 | 1 18 | 11 43 | 0 49 | 9 41 | 1 6 | 10 17 | 1 38 | 13 37 | 0 42 | 21 56 | 1 20 | 7 43 | 16 4 | 6 1 | 6 19 | 11 46 | 13 28 | 1 27 |
| M25 | 20 39 | 0 26 | 1 33 | 25 31 | 2 22 | 15 58 | 1 16 | 11 57 | 0 48 | 9 45 | 1 6 | 10 16 | 1 38 | 13 37 | 0 42 | 21 56 | 1 20 | 7 43 | 16 5 | 6 1 | 6 20 | 11 45 | 13 27 | 1 27 |
| T 26 | 20 51 | 3n29 | 2 33 | 25 23 | 2 13 | 16 20 | 1 15 | 12 10 | 0 48 | 9 49 | 1 6 | 10 15 | 1 38 | 13 37 | 0 42 | 21 56 | 1 20 | 7 43 | 16 5 | 6 2 | 6 21 | 11 43 | 13 27 | 1 27 |
| W27 | 21 2 | 7 21 | 3 27 | 25 13 | 2 3 | 16 41 | 1 13 | 12 23 | 0 48 | 9 53 | 1 6 | 10 14 | 1 38 | 13 37 | 0 43 | 21 56 | 1 20 | 7 42 | 16 5 | 6 5 | 6 23 | 11 42 | 13 26 | 1 27 |
| T 28 | 21 12 | 10 58 | 4 11 | 25 1 | 1 52 | 17 2 | 1 11 | 12 36 | 0 47 | 9 57 | 1 6 | 10 14 | 1 38 | 13 37 | 0 43 | 21 56 | 1 20 | 7 42 | 16 6 | 6 8 | 6 24 | 11 40 | 13 25 | 1 28 |
| F 29 | 21 22 | 14 8 | 4 43 | 24 47 | 1 38 | 17 23 | 1 10 | 12 49 | 0 47 | 10 1 | 1 6 | 10 13 | 1 38 | 13 37 | 0 43 | 21 56 | 1 20 | 7 42 | 16 6 | 6 12 | 6 25 | 11 39 | 13 24 | 1 28 |
| S 30 | 21s32 | 16n36 | 4s59 | 24s31 | 1s24 | 17s43 | 1n 8 | 13s 2 | 0n47 | 10s 5 | 1n 6 | 10s12 | 1s37 | 13n37 | 0n43 | 21s56 | 1n20 | 7n42 | 16n 7 | 6n17 | 6n26 | 11s38 | 13n23 | 1s28 |

Julian Day Number = 2804308.5, Delta T = 51m14s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°15'36, Lahiri = 37°22'36


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# ASTRODIENST EPHEMERIS for the year 2965
# geocentric

## DECEMBER 2965 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 42 0 | 9♐ 4'44 | 22♊ 0 | 22°R10 | 25♏50 | 7♏36 | 29♎21 | 7♓35 | 25°R32 | 26♐55 | 18♎35 | 13°R44 | 13♍29 | 24♒53 | 10°R 5 | S 1 |
| M 2 | 4 45 57 | 10° 5'07 | 6♋17 | 21♐21 | 27° 5 | 8°15 | 29°33 | 7°37 | 25♌32 | 26°57 | 18°36 | 13♍33 | 13°26 | 25° 0 | 10♉ 3 | M 2 |
| T 3 | 4 49 54 | 11° 5'32 | 20°39 | 20°23 | 28°20 | 8°54 | 29°44 | 7°39 | 25°32 | 26°59 | 18°38 | 13°24 | 13°23 | 25° 7 | 10° 1 | T 3 |
| W 4 | 4 53 50 | 12° 5'58 | 5♌ 2 | 19°16 | 29°35 | 9°32 | 29°55 | 7°41 | 25°32 | 27° 2 | 18°39 | 13°17 | 13°20 | 25°13 | 9°58 | W 4 |
| T 5 | 4 57 47 | 13° 6'27 | 19°21 | 18° 2 | 0♐51 | 10°11 | 0♏ 6 | 7°44 | 25°31 | 27° 4 | 18°41 | 13°14 | 13°17 | 25°20 | 9°56 | T 5 |
| F 6 | 5 1 43 | 14° 6'57 | 3♍33 | 16°43 | 2° 6 | 10°49 | 0°17 | 7°46 | 25°31 | 27° 6 | 18°42 | 13°13 | 13°14 | 25°27 | 9°54 | F 6 |
| S 7 | 5 5 40 | 15° 7'29 | 17°37 | 15°21 | 3°21 | 11°28 | 0°28 | 7°49 | 25°31 | 27° 8 | 18°44 | 13°13 | 13°10 | 25°33 | 9°52 | S 7 |
| S 8 | 5 9 36 | 16° 8'02 | 1♎32 | 14° 0 | 4°36 | 12° 7 | 0°39 | 7°52 | 25°30 | 27°10 | 18°45 | 13°12 | 13° 7 | 25°40 | 9°50 | S 8 |
| M 9 | 5 13 33 | 17° 8'38 | 15°18 | 12°41 | 5°52 | 12°45 | 0°50 | 7°55 | 25°30 | 27°13 | 18°47 | 13°10 | 13° 4 | 25°47 | 9°47 | M 9 |
| T 10 | 5 17 30 | 18° 9'15 | 28°55 | 11°28 | 7° 7 | 13°24 | 1° 0 | 7°58 | 25°30 | 27°15 | 18°48 | 13° 5 | 13° 1 | 25°53 | 9°45 | T 10 |
| W11 | 5 21 26 | 19° 9'53 | 12♏24 | 10°23 | 8°22 | 14° 3 | 1°11 | 8° 1 | 25°29 | 27°17 | 18°49 | 12°58 | 12°58 | 26° 0 | 9°43 | W11 |
| T 12 | 5 25 23 | 20°10'33 | 25°41 | 9°27 | 9°38 | 14°41 | 1°22 | 8° 4 | 25°28 | 27°19 | 18°51 | 12°47 | 12°55 | 26° 7 | 9°41 | T 12 |
| F 13 | 5 29 19 | 21°11'15 | 8♐48 | 8°42 | 10°53 | 15°20 | 1°32 | 8° 7 | 25°28 | 27°22 | 18°52 | 12°34 | 12°51 | 26°13 | 9°39 | F 13 |
| S 14 | 5 33 16 | 22°11'58 | 21°41 | 8° 8 | 12° 8 | 15°59 | 1°42 | 8°10 | 25°27 | 27°24 | 18°53 | 12°20 | 12°48 | 26°20 | 9°37 | S 14 |
| S 15 | 5 37 12 | 23°12'42 | 4♑20 | 7°46 | 13°24 | 16°37 | 1°53 | 8°14 | 25°26 | 27°26 | 18°55 | 12° 7 | 12°45 | 26°27 | 9°36 | S 15 |
| M16 | 5 41 9 | 24°13'27 | 16°45 | 7°D35 | 14°39 | 17°16 | 2° 3 | 8°17 | 25°25 | 27°28 | 18°56 | 11°55 | 12°42 | 26°33 | 9°34 | M16 |
| T 17 | 5 45 5 | 25°14'14 | 28°57 | 7°35 | 15°55 | 17°55 | 2°13 | 8°21 | 25°25 | 27°31 | 18°57 | 11°45 | 12°39 | 26°40 | 9°32 | T 17 |
| W18 | 5 49 2 | 26°15'01 | 10♒57 | 7°45 | 17°10 | 18°33 | 2°23 | 8°24 | 25°24 | 27°33 | 18°58 | 11°38 | 12°35 | 26°47 | 9°30 | W18 |
| T 19 | 5 52 59 | 27°15'50 | 22°48 | 8° 5 | 18°25 | 19°12 | 2°33 | 8°28 | 25°23 | 27°35 | 18°59 | 11°34 | 12°32 | 26°53 | 9°29 | T 19 |
| F 20 | 5 56 55 | 28°16'39 | 4♓35 | 8°33 | 19°41 | 19°51 | 2°42 | 8°32 | 25°22 | 27°37 | 19° 0 | 11°32 | 12°29 | 27° 0 | 9°27 | F 20 |
| S 21 | 6 0 52 | 29°17'29 | 16°22 | 9° 9 | 20°56 | 20°30 | 2°52 | 8°36 | 25°21 | 27°40 | 19° 1 | 11°D32 | 12°26 | 27° 6 | 9°25 | S 21 |
| S 22 | 6 4 48 | 0♑18'20 | 28°15 | 9°52 | 22°12 | 21° 8 | 3° 2 | 8°40 | 25°19 | 27°42 | 19° 2 | 11°R33 | 12°23 | 27°13 | 9°24 | S 22 |
| M23 | 6 8 45 | 1°19'11 | 10♈19 | 10°41 | 23°27 | 21°47 | 3°11 | 8°44 | 25°18 | 27°44 | 19° 3 | 11°32 | 12°20 | 27°20 | 9°22 | M23 |
| T 24 | 6 12 41 | 2°20'03 | 22°40 | 11°36 | 24°43 | 22°26 | 3°21 | 8°48 | 25°17 | 27°46 | 19° 4 | 11°30 | 12°16 | 27°26 | 9°21 | T 24 |
| W25 | 6 16 38 | 3°20'56 | 5♉22 | 12°35 | 25°58 | 23° 5 | 3°30 | 8°52 | 25°16 | 27°49 | 19° 5 | 11°26 | 12°13 | 27°33 | 9°19 | W25 |
| T 26 | 6 20 34 | 4°21'50 | 18°29 | 13°38 | 27°13 | 23°43 | 3°39 | 8°57 | 25°14 | 27°51 | 19° 6 | 11°19 | 12°10 | 27°40 | 9°18 | T 26 |
| F 27 | 6 24 31 | 5°22'44 | 2♊ 4 | 14°45 | 28°29 | 24°22 | 3°48 | 9° 1 | 25°13 | 27°53 | 19° 7 | 11°10 | 12° 7 | 27°46 | 9°17 | F 27 |
| S 28 | 6 28 28 | 6°23'39 | 16° 4 | 15°54 | 29°44 | 25° 1 | 3°57 | 9° 6 | 25°12 | 27°55 | 19° 8 | 11° 0 | 12° 4 | 27°53 | 9°16 | S 28 |
| S 29 | 6 32 24 | 7°24'35 | 0♋28 | 17° 7 | 1♑ 0 | 25°40 | 4° 6 | 9°10 | 25°10 | 27°58 | 19° 9 | 10°49 | 12° 1 | 28° 0 | 9°14 | S 29 |
| M30 | 6 36 21 | 8°25'32 | 15° 8 | 18°22 | 2°15 | 26°18 | 4°14 | 9°15 | 25° 9 | 28° 0 | 19°10 | 10°39 | 11°57 | 28° 6 | 9°13 | M30 |
| T 31 | 6 40 17 | 9♑26'29 | 29♋58 | 19♐39 | 3♑31 | 26♏57 | 4♏23 | 9♓20 | 25♌ 7 | 28♐ 2 | 19♎10 | 10♍31 | 11♍54 | 28♒13 | 9♉12 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s42 | 18n 7 | 4s57 | 24s12 | 1s 8 | 18s 2 | 1n 6 | 13s15 | 0n46 | 10s 9 | 1n 6 | 10s11 | 1s37 | 13n37 | 0n43 | 21s57 | 1n20 | 7n42 | 16n 7 | 6n22 | 6n27 | 11s36 | 13n23 | 1s28 |
| M 2 | 21 51 | 18 33 | 4 37 | 23 52 | 0 50 | 18 21 | 1 5 | 13 27 | 0 46 | 10 13 | 1 6 | 10 10 | 1 37 | 13 37 | 0 43 | 21 57 | 1 20 | 7 41 | 16 8 | 6 26 | 6 29 | 11 35 | 13 22 | 1 28 |
| T 3 | 21 59 | 17 47 | 4 0 | 23 29 | 0 31 | 18 40 | 1 3 | 13 40 | 0 46 | 10 17 | 1 6 | 10 9 | 1 37 | 13 37 | 0 43 | 21 57 | 1 20 | 7 41 | 16 8 | 6 30 | 6 30 | 11 33 | 13 21 | 1 28 |
| W 4 | 22 7 | 15 53 | 3 7 | 23 4 | 0 11 | 18 58 | 1 1 | 13 53 | 0 45 | 10 21 | 1 7 | 10 8 | 1 37 | 13 37 | 0 43 | 21 57 | 1 20 | 7 41 | 16 8 | 6 32 | 6 31 | 11 32 | 13 20 | 1 28 |
| T 5 | 22 15 | 13 0 | 2 3 | 22 38 | 0n 9 | 19 15 | 0 59 | 14 5 | 0 45 | 10 24 | 1 7 | 10 7 | 1 37 | 13 37 | 0 43 | 21 57 | 1 20 | 7 41 | 16 9 | 6 33 | 6 32 | 11 31 | 13 20 | 1 28 |
| F 6 | 22 22 | 9 22 | 0 51 | 22 10 | 0 29 | 19 32 | 0 57 | 14 17 | 0 44 | 10 28 | 1 7 | 10 6 | 1 37 | 13 37 | 0 43 | 21 57 | 1 20 | 7 41 | 16 9 | 6 34 | 6 33 | 11 29 | 13 19 | 1 28 |
| S 7 | 22 29 | 5 14 | 0n23 | 21 42 | 0 49 | 19 49 | 0 55 | 14 30 | 0 44 | 10 32 | 1 7 | 10 5 | 1 37 | 13 37 | 0 43 | 21 57 | 1 20 | 7 41 | 16 10 | 6 34 | 6 35 | 11 28 | 13 18 | 1 28 |
| S 8 | 22 36 | 0 51 | 1 35 | 21 13 | 1 9 | 20 5 | 0 53 | 14 42 | 0 44 | 10 35 | 1 7 | 10 4 | 1 37 | 13 38 | 0 43 | 21 57 | 1 20 | 7 41 | 16 10 | 6 34 | 6 36 | 11 26 | 13 17 | 1 28 |
| M 9 | 22 42 | 3s31 | 2 41 | 20 46 | 1 27 | 20 20 | 0 51 | 14 54 | 0 43 | 10 39 | 1 7 | 10 3 | 1 36 | 13 38 | 0 43 | 21 57 | 1 20 | 7 41 | 16 11 | 6 35 | 6 37 | 11 25 | 13 17 | 1 28 |
| T 10 | 22 47 | 7 39 | 3 37 | 20 20 | 1 43 | 20 35 | 0 49 | 15 6 | 0 43 | 10 43 | 1 7 | 10 2 | 1 36 | 13 38 | 0 43 | 21 57 | 1 20 | 7 40 | 16 11 | 6 37 | 6 38 | 11 23 | 13 16 | 1 28 |
| W11 | 22 52 | 11 21 | 4 19 | 19 56 | 1 58 | 20 49 | 0 47 | 15 18 | 0 42 | 10 46 | 1 7 | 10 1 | 1 36 | 13 38 | 0 43 | 21 57 | 1 20 | 7 40 | 16 12 | 6 40 | 6 40 | 11 22 | 13 15 | 1 28 |
| T 12 | 22 57 | 14 25 | 4 47 | 19 36 | 2 10 | 21 2 | 0 45 | 15 29 | 0 42 | 10 50 | 1 8 | 9 59 | 1 36 | 13 38 | 0 43 | 21 57 | 1 20 | 7 40 | 16 12 | 6 44 | 6 41 | 11 21 | 13 15 | 1 28 |
| F 13 | 23 1 | 16 43 | 5 0 | 19 19 | 2 20 | 21 15 | 0 42 | 15 41 | 0 42 | 10 53 | 1 8 | 9 58 | 1 36 | 13 39 | 0 43 | 21 57 | 1 20 | 7 40 | 16 13 | 6 48 | 6 42 | 11 19 | 13 14 | 1 28 |
| S 14 | 23 5 | 18 7 | 4 56 | 19 6 | 2 28 | 21 28 | 0 40 | 15 52 | 0 41 | 10 57 | 1 8 | 9 57 | 1 36 | 13 39 | 0 43 | 21 57 | 1 20 | 7 40 | 16 13 | 6 54 | 6 43 | 11 18 | 13 14 | 1 28 |
| S 15 | 23 8 | 18 36 | 4 39 | 18 57 | 2 34 | 21 39 | 0 38 | 16 4 | 0 41 | 11 0 | 1 8 | 9 55 | 1 36 | 13 39 | 0 43 | 21 57 | 1 20 | 7 40 | 16 14 | 6 59 | 6 44 | 11 16 | 13 13 | 1 28 |
| M16 | 23 11 | 18 10 | 4 8 | 18 51 | 2 38 | 21 51 | 0 36 | 16 15 | 0 40 | 11 3 | 1 8 | 9 54 | 1 36 | 13 40 | 0 43 | 21 57 | 1 20 | 7 40 | 16 14 | 7 3 | 6 46 | 11 15 | 13 12 | 1 28 |
| T 17 | 23 14 | 16 54 | 3 26 | 18 49 | 2 40 | 22 1 | 0 33 | 16 26 | 0 40 | 11 7 | 1 8 | 9 53 | 1 36 | 13 40 | 0 43 | 21 57 | 1 20 | 7 40 | 16 15 | 7 7 | 6 47 | 11 13 | 13 12 | 1 28 |
| W18 | 23 16 | 14 54 | 2 35 | 18 51 | 2 41 | 22 11 | 0 31 | 16 37 | 0 39 | 11 10 | 1 8 | 9 51 | 1 36 | 13 40 | 0 43 | 21 58 | 1 20 | 7 41 | 16 15 | 7 10 | 6 48 | 11 12 | 13 11 | 1 28 |
| T 19 | 23 17 | 12 18 | 1 38 | 18 55 | 2 40 | 22 20 | 0 29 | 16 48 | 0 39 | 11 13 | 1 9 | 9 50 | 1 35 | 13 41 | 0 43 | 21 58 | 1 20 | 7 41 | 16 16 | 7 11 | 6 49 | 11 11 | 13 11 | 1 28 |
| F 20 | 23 18 | 9 12 | 0 37 | 19 1 | 2 37 | 22 28 | 0 26 | 16 59 | 0 39 | 11 16 | 1 9 | 9 48 | 1 35 | 13 41 | 0 44 | 21 58 | 1 20 | 7 41 | 16 16 | 7 12 | 6 50 | 11 9 | 13 10 | 1 28 |
| S 21 | 23 19 | 5 45 | 0s26 | 19 10 | 2 34 | 22 36 | 0 24 | 17 10 | 0 38 | 11 19 | 1 9 | 9 47 | 1 35 | 13 41 | 0 44 | 21 58 | 1 20 | 7 41 | 16 17 | 7 12 | 6 52 | 11 8 | 13 10 | 1 28 |
| S 22 | 23 19 | 2 2 | 1 28 | 19 20 | 2 30 | 22 43 | 0 22 | 17 20 | 0 38 | 11 22 | 1 9 | 9 45 | 1 35 | 13 42 | 0 44 | 21 58 | 1 20 | 7 41 | 16 17 | 7 12 | 6 53 | 11 6 | 13 9 | 1 28 |
| M23 | 23 18 | 1n48 | 2 27 | 19 32 | 2 25 | 22 50 | 0 19 | 17 31 | 0 37 | 11 26 | 1 9 | 9 43 | 1 35 | 13 42 | 0 44 | 21 58 | 1 20 | 7 41 | 16 18 | 7 12 | 6 54 | 11 5 | 13 9 | 1 28 |
| T 24 | 23 17 | 5 40 | 3 21 | 19 45 | 2 19 | 22 56 | 0 17 | 17 41 | 0 37 | 11 29 | 1 9 | 9 42 | 1 35 | 13 43 | 0 44 | 21 58 | 1 20 | 7 41 | 16 18 | 7 13 | 6 55 | 11 3 | 13 8 | 1 28 |
| W25 | 23 16 | 9 22 | 4 6 | 19 59 | 2 13 | 23 1 | 0 14 | 17 51 | 0 36 | 11 32 | 1 9 | 9 40 | 1 35 | 13 43 | 0 44 | 21 58 | 1 20 | 7 41 | 16 19 | 7 14 | 6 56 | 11 2 | 13 8 | 1 28 |
| T 26 | 23 14 | 12 45 | 4 40 | 20 13 | 2 6 | 23 5 | 0 12 | 18 2 | 0 36 | 11 34 | 1 10 | 9 38 | 1 35 | 13 44 | 0 44 | 21 58 | 1 20 | 7 42 | 16 20 | 7 17 | 6 58 | 11 0 | 13 7 | 1 28 |
| F 27 | 23 12 | 15 34 | 5 0 | 20 28 | 1 59 | 23 9 | 0 10 | 18 11 | 0 35 | 11 37 | 1 10 | 9 37 | 1 35 | 13 44 | 0 44 | 21 58 | 1 20 | 7 42 | 16 20 | 7 20 | 6 59 | 10 59 | 13 7 | 1 28 |
| S 28 | 23 9 | 17 34 | 5 2 | 20 43 | 1 52 | 23 11 | 0 7 | 18 21 | 0 35 | 11 40 | 1 10 | 9 35 | 1 35 | 13 45 | 0 44 | 21 58 | 1 20 | 7 42 | 16 21 | 7 24 | 7 0 | 10 57 | 13 6 | 1 28 |
| S 29 | 23 6 | 18 32 | 4 46 | 20 57 | 1 45 | 23 14 | 0 5 | 18 31 | 0 34 | 11 43 | 1 10 | 9 33 | 1 35 | 13 45 | 0 44 | 21 58 | 1 20 | 7 42 | 16 21 | 7 28 | 7 1 | 10 56 | 13 6 | 1 28 |
| M30 | 23 3 | 18 18 | 4 11 | 21 12 | 1 37 | 23 15 | 0 2 | 18 41 | 0 34 | 11 46 | 1 10 | 9 31 | 1 35 | 13 46 | 0 44 | 21 58 | 1 20 | 7 42 | 16 22 | 7 32 | 7 2 | 10 55 | 13 6 | 1 28 |
| T 31 | 22s59 | 16n49 | 3s19 | 21s26 | 1n29 | 23s16 | 0s 0 | 18s50 | 0n33 | 11s48 | 1n10 | 9s29 | 1s34 | 13n46 | 0n44 | 21s58 | 1n20 | 7n43 | 16n22 | 7n35 | 7n 4 | 10s53 | 13n 5 | 1s28 |

Julian Day Number = 2804338.5, Delta T = 51m14s
Ecliptic obliquity = 23°18'41, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°15'40, Lahiri = 37°22'40


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# ASTRODIENST EPHEMERIS for the year 2966
# geocentric

## JANUARY 2966 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 6 44 14 | 10♉27'27 | 14♌47 | 20♐58 | 4♉46 | 27♏36 | 4♏31 | 9♓24 | 25°R 6 | 28♐ 4 | 19♎11 | 10°R26 | 11♍51 | 28♒20 | 9°R11 | W 1 |
| T 2 | 6 48 10 | 11°28'26 | 29°30 | 22°18 | 6° 2 | 28°15 | 4°40 | 9°29 | 25♌ 4 | 28° 7 | 19°12 | 10♍23 | 11°48 | 28°26 | 9♉10 | T 2 |
| F 3 | 6 52 7 | 12°29'26 | 14♍ 1 | 23°40 | 7°17 | 28°54 | 4°48 | 9°34 | 25° 2 | 28° 9 | 19°12 | 10°D23 | 11°45 | 28°33 | 9° 9 | F 3 |
| S 4 | 6 56 3 | 13°30'26 | 28°15 | 25° 3 | 8°33 | 29°33 | 4°56 | 9°39 | 25° 0 | 28°11 | 19°13 | 10°24 | 11°41 | 28°40 | 9° 8 | S 4 |
| S 5 | 7 0 0 | 14°31'28 | 12♎13 | 26°26 | 9°48 | 0♐11 | 5° 4 | 9°44 | 24°59 | 28°13 | 19°14 | 10°R24 | 11°38 | 28°46 | 9° 8 | S 5 |
| M 6 | 7 3 57 | 15°32'30 | 25°54 | 27°51 | 11° 4 | 0°50 | 5°12 | 9°50 | 24°57 | 28°15 | 19°14 | 10°24 | 11°35 | 28°53 | 9° 7 | M 6 |
| T 7 | 7 7 53 | 16°33'34 | 9♏18 | 29°17 | 12°19 | 1°29 | 5°20 | 9°55 | 24°55 | 28°18 | 19°15 | 10°21 | 11°32 | 29° 0 | 9° 6 | T 7 |
| W 8 | 7 11 50 | 17°34'38 | 22°29 | 0♉44 | 13°35 | 2° 8 | 5°27 | 10° 0 | 24°53 | 28°20 | 19°15 | 10°17 | 11°29 | 29° 6 | 9° 5 | W 8 |
| T 9 | 7 15 46 | 18°35'42 | 5♐26 | 2°11 | 14°50 | 2°47 | 5°35 | 10° 5 | 24°51 | 28°22 | 19°15 | 10° 9 | 11°26 | 29°13 | 9° 5 | T 9 |
| F 10 | 7 19 43 | 19°36'48 | 18°11 | 3°38 | 16° 6 | 3°26 | 5°42 | 10°11 | 24°49 | 28°24 | 19°16 | 10° 0 | 11°22 | 29°19 | 9° 4 | F 10 |
| S 11 | 7 23 39 | 20°37'53 | 0♉44 | 5° 7 | 17°21 | 4° 5 | 5°49 | 10°16 | 24°47 | 28°26 | 19°16 | 9°51 | 11°19 | 29°26 | 9° 4 | S 11 |
| S 12 | 7 27 36 | 21°39'00 | 13° 6 | 6°35 | 18°37 | 4°44 | 5°56 | 10°22 | 24°45 | 28°28 | 19°17 | 9°41 | 11°16 | 29°33 | 9° 3 | S 12 |
| M13 | 7 31 32 | 22°40'06 | 25°18 | 8° 5 | 19°52 | 5°22 | 6° 3 | 10°28 | 24°43 | 28°30 | 19°17 | 9°33 | 11°13 | 29°39 | 9° 3 | M13 |
| T 14 | 7 35 29 | 23°41'13 | 7♒20 | 9°34 | 21° 8 | 6° 1 | 6°10 | 10°33 | 24°41 | 28°32 | 19°17 | 9°26 | 11°10 | 29°46 | 9° 3 | T 14 |
| W15 | 7 39 26 | 24°42'20 | 19°15 | 11° 4 | 22°23 | 6°40 | 6°16 | 10°39 | 24°39 | 28°35 | 19°17 | 9°21 | 11° 7 | 29°53 | 9° 2 | W15 |
| T 16 | 7 43 22 | 25°43'27 | 1♓ 3 | 12°35 | 23°39 | 7°19 | 6°23 | 10°45 | 24°37 | 28°37 | 19°18 | 9°19 | 11° 3 | 29°59 | 9° 2 | T 16 |
| F 17 | 7 47 19 | 26°44'33 | 12°49 | 14° 6 | 24°54 | 7°58 | 6°29 | 10°51 | 24°35 | 28°39 | 19°18 | 9°D19 | 11° 0 | 0♓ 6 | 9° 2 | F 17 |
| S 18 | 7 51 15 | 27°45'40 | 24°36 | 15°37 | 26°10 | 8°37 | 6°35 | 10°57 | 24°32 | 28°41 | 19°18 | 9°20 | 10°57 | 0°13 | 9° 2 | S 18 |
| S 19 | 7 55 12 | 28°46'47 | 6♈28 | 17° 9 | 27°25 | 9°16 | 6°41 | 11° 2 | 24°30 | 28°43 | 19°18 | 9°21 | 10°54 | 0°19 | 9°D 2 | S 19 |
| M20 | 7 59 8 | 29°47'53 | 18°30 | 18°41 | 28°41 | 9°55 | 6°47 | 11° 9 | 24°28 | 28°45 | 19°18 | 9°23 | 10°51 | 0°26 | 9° 2 | M20 |
| T 21 | 8 3 5 | 0♒48'59 | 0♉47 | 20°13 | 29°56 | 10°34 | 6°53 | 11°15 | 24°25 | 28°47 | 19°R18 | 9°R23 | 10°47 | 0°33 | 9° 2 | T 21 |
| W22 | 8 7 1 | 1°50'05 | 13°24 | 21°46 | 1♒12 | 11°13 | 6°58 | 11°21 | 24°23 | 28°49 | 19°18 | 9°23 | 10°44 | 0°39 | 9° 2 | W22 |
| T 23 | 8 10 58 | 2°51'11 | 26°26 | 23°19 | 2°27 | 11°52 | 7° 4 | 11°27 | 24°21 | 28°51 | 19°18 | 9°20 | 10°41 | 0°46 | 9° 3 | T 23 |
| F 24 | 8 14 55 | 3°52'16 | 9♊55 | 24°53 | 3°43 | 12°31 | 7° 9 | 11°33 | 24°18 | 28°53 | 19°18 | 9°16 | 10°38 | 0°53 | 9° 3 | F 24 |
| S 25 | 8 18 51 | 4°53'20 | 23°54 | 26°27 | 4°58 | 13°10 | 7°14 | 11°39 | 24°16 | 28°55 | 19°18 | 9°11 | 10°35 | 0°59 | 9° 3 | S 25 |
| S 26 | 8 22 48 | 5°54'25 | 8♋20 | 28° 1 | 6°14 | 13°49 | 7°19 | 11°46 | 24°13 | 28°56 | 19°18 | 9° 6 | 10°32 | 1° 6 | 9° 4 | S 26 |
| M27 | 8 26 44 | 6°55'29 | 23° 8 | 29°36 | 7°29 | 14°28 | 7°23 | 11°52 | 24°11 | 28°58 | 19°17 | 9° 1 | 10°28 | 1°12 | 9° 4 | M27 |
| T 28 | 8 30 41 | 7°56'32 | 8♌12 | 1♒12 | 8°44 | 15° 7 | 7°28 | 11°59 | 24° 9 | 29° 0 | 19°17 | 8°57 | 10°25 | 1°19 | 9° 5 | T 28 |
| W29 | 8 34 37 | 8°57'36 | 23°22 | 2°48 | 10° 0 | 15°46 | 7°32 | 12° 5 | 24° 6 | 29° 2 | 19°17 | 8°55 | 10°22 | 1°26 | 9° 5 | W29 |
| T 30 | 8 38 34 | 9°58'39 | 8♍28 | 4°24 | 11°15 | 16°25 | 7°37 | 12°12 | 24° 4 | 29° 4 | 19°17 | 8°D54 | 10°19 | 1°32 | 9° 6 | T 30 |
| F 31 | 8 42 31 | 10♒59'41 | 23♍21 | 6♒ 1 | 12♒31 | 17♐ 4 | 7♏41 | 12♓18 | 24♌ 1 | 29♐ 6 | 19♎16 | 8♍55 | 10♍16 | 1♓39 | 9♉ 6 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 22s54 | 14n12 | 2s13 | 21s40 | 1n21 | 23s16 | 0s 2 | 18s59 | 0n33 | 11s51 | 1n11 | 9s28 | 1s34 | 13n47 | 0n44 | 21s58 | 1n20 | 7n43 | 16n23 | 7n37 | 7n 5 | 10s52 | 13n 5 | 1s28 | |
| T 2 | 22 49 | 10 41 | 0 58 | 21 53 | 1 13 | 23 15 | 0 5 | 19 8 | 0 32 | 11 54 | 1 11 | 9 26 | 1 34 | 13 47 | 0 44 | 21 58 | 1 20 | 7 43 | 16 23 | 7 38 | 7 6 | 10 50 | 13 5 | 1 28 | |
| F 3 | 22 44 | 6 33 | 0n19 | 22 5 | 1 5 | 23 14 | 0 7 | 19 17 | 0 32 | 11 56 | 1 11 | 9 24 | 1 34 | 13 48 | 0 44 | 21 58 | 1 20 | 7 43 | 16 24 | 7 38 | 7 7 | 10 49 | 13 4 | 1 28 | |
| S 4 | 22 38 | 2 8 | 1 34 | 22 16 | 0 57 | 23 12 | 0 10 | 19 26 | 0 31 | 11 59 | 1 11 | 9 22 | 1 34 | 13 49 | 0 44 | 21 58 | 1 20 | 7 44 | 16 25 | 7 38 | 7 8 | 10 47 | 13 4 | 1 28 | |
| S 5 | 22 31 | 2s19 | 2 42 | 22 27 | 0 49 | 23 9 | 0 12 | 19 35 | 0 31 | 12 1 | 1 11 | 9 20 | 1 34 | 13 49 | 0 44 | 21 58 | 1 20 | 7 44 | 16 25 | 7 38 | 7 10 | 10 46 | 13 4 | 1 28 | |
| M 6 | 22 25 | 6 32 | 3 39 | 22 37 | 0 41 | 23 6 | 0 14 | 19 43 | 0 30 | 12 4 | 1 11 | 9 18 | 1 34 | 13 50 | 0 44 | 21 58 | 1 20 | 7 44 | 16 26 | 7 38 | 7 11 | 10 44 | 13 4 | 1 28 | |
| T 7 | 22 17 | 10 21 | 4 23 | 22 46 | 0 33 | 23 1 | 0 17 | 19 52 | 0 30 | 12 6 | 1 12 | 9 16 | 1 34 | 13 50 | 0 44 | 21 58 | 1 20 | 7 45 | 16 26 | 7 39 | 7 12 | 10 43 | 13 3 | 1 28 | |
| W 8 | 22 10 | 13 35 | 4 52 | 22 54 | 0 25 | 22 57 | 0 19 | 20 0 | 0 29 | 12 8 | 1 12 | 9 14 | 1 34 | 13 51 | 0 44 | 21 58 | 1 20 | 7 45 | 16 27 | 7 41 | 7 13 | 10 41 | 13 3 | 1 28 | |
| T 9 | 22 2 | 16 5 | 5 6 | 23 1 | 0 17 | 22 51 | 0 22 | 20 8 | 0 29 | 12 11 | 1 12 | 9 12 | 1 34 | 13 52 | 0 44 | 21 58 | 1 20 | 7 46 | 16 27 | 7 43 | 7 14 | 10 40 | 13 3 | 1 28 | |
| F 10 | 21 53 | 17 45 | 5 4 | 23 6 | 0 9 | 22 45 | 0 24 | 20 16 | 0 28 | 12 13 | 1 12 | 9 10 | 1 34 | 13 52 | 0 44 | 21 58 | 1 20 | 7 46 | 16 28 | 7 47 | 7 16 | 10 38 | 13 3 | 1 28 | |
| S 11 | 21 44 | 18 32 | 4 47 | 23 11 | 0 2 | 22 38 | 0 26 | 20 24 | 0 28 | 12 15 | 1 12 | 9 7 | 1 34 | 13 53 | 0 44 | 21 58 | 1 20 | 7 46 | 16 29 | 7 50 | 7 17 | 10 37 | 13 3 | 1 28 | |
| S 12 | 21 35 | 18 25 | 4 17 | 23 15 | 0s 6 | 22 30 | 0 28 | 20 32 | 0 27 | 12 17 | 1 13 | 9 5 | 1 34 | 13 54 | 0 44 | 21 58 | 1 20 | 7 47 | 16 29 | 7 54 | 7 18 | 10 35 | 13 3 | 1 28 | |
| M13 | 21 25 | 17 26 | 3 35 | 23 17 | 0 13 | 22 21 | 0 31 | 20 39 | 0 26 | 12 19 | 1 13 | 9 3 | 1 34 | 13 55 | 0 44 | 21 58 | 1 20 | 7 47 | 16 30 | 7 57 | 7 19 | 10 34 | 13 3 | 1 28 | |
| T 14 | 21 15 | 15 41 | 2 44 | 23 18 | 0 20 | 22 12 | 0 33 | 20 46 | 0 26 | 12 21 | 1 13 | 9 1 | 1 34 | 13 55 | 0 44 | 21 58 | 1 20 | 7 48 | 16 30 | 8 0 | 7 20 | 10 32 | 13 2 | 1 28 | |
| W15 | 21 4 | 13 17 | 1 47 | 23 18 | 0 27 | 22 2 | 0 35 | 20 54 | 0 25 | 12 23 | 1 13 | 8 59 | 1 33 | 13 56 | 0 44 | 21 58 | 1 20 | 7 48 | 16 31 | 8 1 | 7 22 | 10 31 | 13 2 | 1 28 | |
| T 16 | 20 53 | 10 21 | 0 45 | 23 17 | 0 34 | 21 52 | 0 37 | 21 1 | 0 25 | 12 25 | 1 13 | 8 56 | 1 33 | 13 57 | 0 44 | 21 58 | 1 20 | 7 48 | 16 31 | 8 2 | 7 23 | 10 29 | 13 2 | 1 28 | |
| F 17 | 20 42 | 7 0 | 0s19 | 23 15 | 0 41 | 21 41 | 0 39 | 21 7 | 0 24 | 12 27 | 1 14 | 8 54 | 1 33 | 13 58 | 0 44 | 21 58 | 1 20 | 7 49 | 16 32 | 8 2 | 7 24 | 10 28 | 13 2 | 1 28 | |
| S 18 | 20 30 | 3 24 | 1 22 | 23 11 | 0 47 | 21 29 | 0 42 | 21 14 | 0 24 | 12 29 | 1 14 | 8 52 | 1 33 | 13 58 | 0 44 | 21 58 | 1 20 | 7 49 | 16 33 | 8 2 | 7 25 | 10 26 | 13 2 | 1 28 | |
| S 19 | 20 18 | 0n22 | 2 23 | 23 6 | 0 53 | 21 17 | 0 44 | 21 21 | 0 23 | 12 31 | 1 14 | 8 50 | 1 33 | 13 59 | 0 44 | 21 58 | 1 20 | 7 50 | 16 33 | 8 1 | 7 26 | 10 25 | 13 2 | 1 28 | |
| M20 | 20 5 | 4 10 | 3 17 | 23 0 | 0 59 | 21 4 | 0 46 | 21 27 | 0 22 | 12 32 | 1 14 | 8 47 | 1 33 | 14 0 | 0 45 | 21 58 | 1 20 | 7 50 | 16 34 | 8 1 | 7 28 | 10 23 | 13 2 | 1 28 | |
| T 21 | 19 52 | 7 52 | 4 4 | 22 53 | 1 5 | 20 50 | 0 48 | 21 33 | 0 22 | 12 34 | 1 14 | 8 45 | 1 33 | 14 1 | 0 45 | 21 58 | 1 20 | 7 51 | 16 34 | 8 0 | 7 29 | 10 22 | 13 2 | 1 28 | |
| W22 | 19 39 | 11 18 | 4 41 | 22 44 | 1 11 | 20 36 | 0 50 | 21 39 | 0 21 | 12 35 | 1 15 | 8 43 | 1 33 | 14 1 | 0 45 | 21 58 | 1 20 | 7 52 | 16 35 | 8 1 | 7 30 | 10 20 | 13 2 | 1 28 | |
| T 23 | 19 25 | 14 19 | 5 4 | 22 34 | 1 16 | 20 21 | 0 52 | 21 45 | 0 20 | 12 37 | 1 15 | 8 40 | 1 33 | 14 2 | 0 45 | 21 58 | 1 20 | 7 52 | 16 35 | 8 2 | 7 31 | 10 19 | 13 2 | 1 28 | |
| F 24 | 19 11 | 16 40 | 5 12 | 22 23 | 1 22 | 20 5 | 0 54 | 21 51 | 0 20 | 12 38 | 1 15 | 8 38 | 1 33 | 14 3 | 0 45 | 21 58 | 1 20 | 7 53 | 16 36 | 8 3 | 7 32 | 10 17 | 13 3 | 1 28 | |
| S 25 | 18 57 | 18 8 | 5 2 | 22 10 | 1 27 | 19 49 | 0 55 | 21 56 | 0 19 | 12 40 | 1 15 | 8 35 | 1 33 | 14 4 | 0 45 | 21 58 | 1 20 | 7 53 | 16 37 | 8 5 | 7 34 | 10 16 | 13 3 | 1 28 | |
| S 26 | 18 42 | 18 31 | 4 33 | 21 56 | 1 31 | 19 33 | 0 57 | 22 2 | 0 19 | 12 41 | 1 15 | 8 33 | 1 33 | 14 5 | 0 45 | 21 58 | 1 20 | 7 54 | 16 37 | 8 7 | 7 35 | 10 14 | 13 3 | 1 28 | |
| M27 | 18 27 | 17 39 | 3 45 | 21 41 | 1 36 | 19 15 | 0 59 | 22 7 | 0 18 | 12 43 | 1 16 | 8 30 | 1 33 | 14 6 | 0 45 | 21 58 | 1 20 | 7 54 | 16 38 | 8 9 | 7 36 | 10 13 | 13 3 | 1 28 | |
| T 28 | 18 11 | 15 32 | 2 41 | 21 25 | 1 40 | 18 57 | 1 1 | 22 12 | 0 17 | 12 44 | 1 16 | 8 28 | 1 33 | 14 6 | 0 45 | 21 58 | 1 20 | 7 55 | 16 38 | 8 10 | 7 37 | 10 11 | 13 3 | 1 28 | |
| W29 | 17 55 | 12 20 | 1 24 | 21 7 | 1 44 | 18 39 | 1 3 | 22 17 | 0 17 | 12 45 | 1 16 | 8 26 | 1 33 | 14 7 | 0 45 | 21 58 | 1 20 | 7 56 | 16 39 | 8 11 | 7 38 | 10 10 | 13 3 | 1 28 | |
| T 30 | 17 39 | 8 19 | 0 2 | 20 48 | 1 48 | 18 20 | 1 4 | 22 21 | 0 16 | 12 46 | 1 16 | 8 23 | 1 33 | 14 8 | 0 45 | 21 58 | 1 20 | 7 56 | 16 39 | 8 11 | 7 40 | 10 8 | 13 3 | 1 28 | |
| F 31 | 17s23 | 3n50 | 1n19 | 20s28 | 1s51 | 18s 1 | 1s 6 | 22s26 | 0n15 | 12s47 | 1n17 | 8s20 | 1s33 | 14n 9 | 0n45 | 21s58 | 1n20 | 7n57 | 16n40 | 8n11 | 7n41 | 10s 7 | 13n 4 | 1s28 | |

Julian Day Number = 2804369.5, Delta T = 51m15s
Ecliptic obliquity = 23°18'41, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°15'44, Lahiri = 37°22'45


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# ASTRODIENST EPHEMERIS for the year 2966
# geocentric

## FEBRUARY 2966 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 46 27 | 12♒ 0'44 | 7♎56 | 7♒38 | 13♒46 | 17♐43 | 7♏44 | 12♓25 | 23°R58 | 29♐ 7 | 19°R16 | 8♍56 | 10♍13 | 1♓46 | 9♉ 7 | S 1 |
| S 2 | 8 50 24 | 13° 1'46 | 22° 9 | 9°16 | 15° 2 | 18°22 | 7°48 | 12°31 | 23♌56 | 29° 9 | 19♎15 | 8°57 | 10° 9 | 1°52 | 9° 8 | S 2 |
| M 3 | 8 54 20 | 14° 2'48 | 5♏58 | 10°54 | 16°17 | 19° 1 | 7°52 | 12°38 | 23°53 | 29°11 | 19°15 | 8°59 | 10° 6 | 1°59 | 9° 9 | M 3 |
| T 4 | 8 58 17 | 15° 3'50 | 19°24 | 12°33 | 17°33 | 19°40 | 7°55 | 12°45 | 23°51 | 29°13 | 19°15 | 8°R59 | 10° 3 | 2° 6 | 9°10 | T 4 |
| W 5 | 9 2 13 | 16° 4'52 | 2♐29 | 14°13 | 18°48 | 20°19 | 7°58 | 12°51 | 23°48 | 29°14 | 19°14 | 8°58 | 10° 0 | 2°12 | 9°11 | W 5 |
| T 6 | 9 6 10 | 17° 5'53 | 15°15 | 15°53 | 20° 3 | 20°58 | 8° 1 | 12°58 | 23°46 | 29°16 | 19°14 | 8°56 | 9°57 | 2°19 | 9°12 | T 6 |
| F 7 | 9 10 6 | 18° 6'54 | 27°46 | 17°34 | 21°19 | 21°37 | 8° 4 | 13° 5 | 23°43 | 29°18 | 19°13 | 8°53 | 9°53 | 2°26 | 9°13 | F 7 |
| S 8 | 9 14 3 | 19° 7'55 | 10♑ 4 | 19°15 | 22°34 | 22°16 | 8° 7 | 13°12 | 23°40 | 29°19 | 19°12 | 8°50 | 9°50 | 2°32 | 9°14 | S 8 |
| S 9 | 9 17 59 | 20° 8'55 | 22°11 | 20°57 | 23°50 | 22°55 | 8° 9 | 13°19 | 23°38 | 29°21 | 19°12 | 8°46 | 9°47 | 2°39 | 9°15 | S 9 |
| M10 | 9 21 56 | 21° 9'55 | 4♒11 | 22°39 | 25° 5 | 23°34 | 8°11 | 13°26 | 23°35 | 29°22 | 19°11 | 8°43 | 9°44 | 2°46 | 9°16 | M10 |
| T 11 | 9 25 53 | 22°10'53 | 16° 4 | 24°22 | 26°21 | 24°13 | 8°13 | 13°33 | 23°33 | 29°24 | 19°10 | 8°41 | 9°41 | 2°52 | 9°18 | T 11 |
| W12 | 9 29 49 | 23°11'51 | 27°53 | 26° 6 | 27°36 | 24°52 | 8°15 | 13°39 | 23°30 | 29°26 | 19°10 | 8°40 | 9°38 | 2°59 | 9°19 | W12 |
| T 13 | 9 33 46 | 24°12'48 | 9♓40 | 27°50 | 28°51 | 25°31 | 8°17 | 13°46 | 23°27 | 29°27 | 19° 9 | 8°D40 | 9°34 | 3° 5 | 9°20 | T 13 |
| F 14 | 9 37 42 | 25°13'44 | 21°28 | 29°35 | 0♓ 7 | 26°10 | 8°19 | 13°54 | 23°25 | 29°29 | 19° 8 | 8°40 | 9°31 | 3°12 | 9°22 | F 14 |
| S 15 | 9 41 39 | 26°14'39 | 3♈17 | 1♓20 | 1°22 | 26°49 | 8°20 | 14° 1 | 23°22 | 29°30 | 19° 7 | 8°41 | 9°28 | 3°19 | 9°23 | S 15 |
| S 16 | 9 45 35 | 27°15'33 | 15°13 | 3° 6 | 2°37 | 27°28 | 8°21 | 14° 8 | 23°19 | 29°31 | 19° 6 | 8°42 | 9°25 | 3°25 | 9°25 | S 16 |
| M17 | 9 49 32 | 28°16'26 | 27°17 | 4°52 | 3°53 | 28° 7 | 8°22 | 14°15 | 23°17 | 29°33 | 19° 6 | 8°43 | 9°22 | 3°32 | 9°26 | M17 |
| T 18 | 9 53 28 | 29°17'18 | 9♉35 | 6°39 | 5° 8 | 28°46 | 8°23 | 14°22 | 23°14 | 29°34 | 19° 5 | 8°44 | 9°19 | 3°39 | 9°28 | T 18 |
| W19 | 9 57 25 | 0♓18'08 | 22°10 | 8°26 | 6°23 | 29°25 | 8°23 | 14°29 | 23°12 | 29°35 | 19° 4 | 8°45 | 9°15 | 3°45 | 9°30 | W19 |
| T 20 | 10 1 22 | 1°18'57 | 5♊ 5 | 10°13 | 7°39 | 0♑ 4 | 8°24 | 14°36 | 23° 9 | 29°37 | 19° 3 | 8°R45 | 9°12 | 3°52 | 9°32 | T 20 |
| F 21 | 10 5 18 | 2°19'45 | 18°25 | 12° 0 | 8°54 | 0°43 | 8°24 | 14°43 | 23° 6 | 29°38 | 19° 2 | 8°45 | 9° 9 | 3°59 | 9°33 | F 21 |
| S 22 | 10 9 15 | 3°20'31 | 2♋12 | 13°47 | 10° 9 | 1°22 | 8°R24 | 14°50 | 23° 4 | 29°39 | 19° 1 | 8°44 | 9° 6 | 4° 5 | 9°35 | S 22 |
| S 23 | 10 13 11 | 4°21'16 | 16°26 | 15°33 | 11°24 | 2° 1 | 8°24 | 14°58 | 23° 1 | 29°41 | 19° 0 | 8°44 | 9° 3 | 4°12 | 9°37 | S 23 |
| M24 | 10 17 8 | 5°22'00 | 1♌ 5 | 17°19 | 12°40 | 2°40 | 8°23 | 15° 5 | 22°59 | 29°42 | 18°59 | 8°43 | 8°59 | 4°19 | 9°39 | M24 |
| T 25 | 10 21 4 | 6°22'42 | 16° 4 | 19° 5 | 13°55 | 3°19 | 8°23 | 15°12 | 22°56 | 29°43 | 18°58 | 8°43 | 8°56 | 4°25 | 9°41 | T 25 |
| W26 | 10 25 1 | 7°23'23 | 1♍15 | 20°49 | 15°10 | 3°58 | 8°22 | 15°19 | 22°54 | 29°44 | 18°57 | 8°43 | 8°53 | 4°32 | 9°43 | W26 |
| T 27 | 10 28 57 | 8°24'02 | 16°30 | 22°32 | 16°25 | 4°37 | 8°21 | 15°26 | 22°51 | 29°45 | 18°55 | 8°43 | 8°50 | 4°38 | 9°45 | T 27 |
| F 28 | 10 32 54 | 9♓24'40 | 1♎38 | 24♓13 | 17♓40 | 5♑16 | 8♏20 | 15♓34 | 22♌49 | 29♐46 | 18♎54 | 8♍43 | 8♍47 | 4♓45 | 9♉47 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17s 6 | 0s47 | 2n33 | 20s 6 | 1s54 | 17s41 | 1s 7 | 22s30 | 0n15 | 12s48 | 1n17 | 8s18 | 1s33 | 14n10 | 0n45 | 21s58 | 1n20 | 7n57 | 16n40 | 8n11 | 7n42 | 10s 5 | 13n 4 | 1s28 |
| S 2 | 16 49 | 5 14 | 3 36 | 19 43 | 1 57 | 17 20 | 1 9 | 22 34 | 0 14 | 12 49 | 1 17 | 8 15 | 1 33 | 14 11 | 0 45 | 21 58 | 1 20 | 7 58 | 16 41 | 8 10 | 7 43 | 10 3 | 13 4 | 1 28 |
| M 3 | 16 32 | 9 16 | 4 25 | 19 19 | 1 59 | 16 59 | 1 10 | 22 38 | 0 13 | 12 50 | 1 17 | 8 13 | 1 33 | 14 11 | 0 45 | 21 58 | 1 20 | 7 59 | 16 42 | 8 10 | 7 44 | 10 2 | 13 4 | 1 28 |
| T 4 | 16 14 | 12 43 | 4 57 | 18 53 | 2 1 | 16 38 | 1 12 | 22 42 | 0 13 | 12 51 | 1 17 | 8 10 | 1 33 | 14 12 | 0 45 | 21 58 | 1 20 | 7 59 | 16 42 | 8 10 | 7 46 | 10 0 | 13 5 | 1 28 |
| W 5 | 15 56 | 15 25 | 5 13 | 18 27 | 2 3 | 16 16 | 1 13 | 22 46 | 0 12 | 12 52 | 1 18 | 8 8 | 1 33 | 14 13 | 0 45 | 21 58 | 1 20 | 8 0 | 16 43 | 8 10 | 7 47 | 9 59 | 13 5 | 1 28 |
| T 6 | 15 38 | 17 18 | 5 13 | 17 58 | 2 5 | 15 54 | 1 14 | 22 49 | 0 11 | 12 53 | 1 18 | 8 5 | 1 33 | 14 14 | 0 45 | 21 58 | 1 20 | 8 1 | 16 43 | 8 11 | 7 48 | 9 57 | 13 5 | 1 28 |
| F 7 | 15 19 | 18 19 | 4 58 | 17 29 | 2 6 | 15 31 | 1 16 | 22 53 | 0 10 | 12 53 | 1 18 | 8 2 | 1 33 | 14 15 | 0 45 | 21 58 | 1 20 | 8 1 | 16 44 | 8 12 | 7 49 | 9 56 | 13 6 | 1 28 |
| S 8 | 15 0 | 18 27 | 4 30 | 16 58 | 2 6 | 15 8 | 1 17 | 22 56 | 0 10 | 12 54 | 1 18 | 8 0 | 1 33 | 14 16 | 0 45 | 21 58 | 1 20 | 8 2 | 16 44 | 8 13 | 7 50 | 9 54 | 13 6 | 1 28 |
| S 9 | 14 41 | 17 43 | 3 50 | 16 26 | 2 6 | 14 44 | 1 18 | 22 58 | 0 9 | 12 55 | 1 19 | 7 57 | 1 33 | 14 17 | 0 45 | 21 58 | 1 20 | 8 3 | 16 45 | 8 14 | 7 52 | 9 53 | 13 6 | 1 28 |
| M10 | 14 22 | 16 12 | 3 0 | 15 53 | 2 6 | 14 20 | 1 19 | 23 1 | 0 8 | 12 55 | 1 19 | 7 55 | 1 33 | 14 18 | 0 45 | 21 58 | 1 20 | 8 4 | 16 45 | 8 15 | 7 53 | 9 51 | 13 7 | 1 28 |
| T 11 | 14 3 | 14 0 | 2 2 | 15 18 | 2 6 | 13 55 | 1 20 | 23 4 | 0 7 | 12 55 | 1 19 | 7 52 | 1 33 | 14 18 | 0 45 | 21 58 | 1 21 | 8 4 | 16 46 | 8 16 | 7 54 | 9 50 | 13 7 | 1 28 |
| W12 | 13 43 | 11 13 | 0 59 | 14 42 | 2 4 | 13 31 | 1 21 | 23 6 | 0 7 | 12 56 | 1 19 | 7 49 | 1 33 | 14 19 | 0 45 | 21 58 | 1 21 | 8 5 | 16 46 | 8 17 | 7 55 | 9 48 | 13 8 | 1 28 |
| T 13 | 13 23 | 7 59 | 0s 6 | 14 5 | 2 3 | 13 5 | 1 22 | 23 8 | 0 6 | 12 56 | 1 20 | 7 47 | 1 33 | 14 20 | 0 45 | 21 58 | 1 21 | 8 6 | 16 47 | 8 17 | 7 56 | 9 46 | 13 8 | 1 28 |
| F 14 | 13 3 | 4 27 | 1 10 | 13 27 | 2 1 | 12 40 | 1 23 | 23 10 | 0 5 | 12 56 | 1 20 | 7 44 | 1 33 | 14 21 | 0 45 | 21 58 | 1 21 | 8 7 | 16 47 | 8 17 | 7 58 | 9 45 | 13 9 | 1 28 |
| S 15 | 12 42 | 0 44 | 2 13 | 12 47 | 1 58 | 12 14 | 1 23 | 23 12 | 0 4 | 12 57 | 1 20 | 7 41 | 1 33 | 14 22 | 0 45 | 21 58 | 1 21 | 8 7 | 16 48 | 8 16 | 7 59 | 9 43 | 13 9 | 1 28 |
| S 16 | 12 22 | 3n 3 | 3 9 | 12 6 | 1 55 | 11 48 | 1 24 | 23 14 | 0 4 | 12 57 | 1 20 | 7 38 | 1 33 | 14 23 | 0 45 | 21 58 | 1 21 | 8 8 | 16 48 | 8 16 | 8 0 | 9 42 | 13 10 | 1 28 |
| M17 | 12 1 | 6 44 | 3 59 | 11 24 | 1 51 | 11 21 | 1 25 | 23 15 | 0 3 | 12 57 | 1 20 | 7 36 | 1 33 | 14 24 | 0 45 | 21 58 | 1 21 | 8 9 | 16 49 | 8 15 | 8 1 | 9 40 | 13 10 | 1 28 |
| T 18 | 11 40 | 10 12 | 4 38 | 10 41 | 1 47 | 10 54 | 1 25 | 23 16 | 0 2 | 12 57 | 1 21 | 7 33 | 1 33 | 14 24 | 0 45 | 21 58 | 1 21 | 8 10 | 16 49 | 8 15 | 8 2 | 9 39 | 13 11 | 1 28 |
| W19 | 11 18 | 13 18 | 5 5 | 9 57 | 1 42 | 10 27 | 1 26 | 23 18 | 0 1 | 12 57 | 1 21 | 7 30 | 1 33 | 14 25 | 0 45 | 21 58 | 1 21 | 8 10 | 16 50 | 8 15 | 8 3 | 9 37 | 13 11 | 1 28 |
| T 20 | 10 57 | 15 50 | 5 17 | 9 12 | 1 37 | 10 0 | 1 26 | 23 18 | 0 0 | 12 57 | 1 21 | 7 28 | 1 33 | 14 26 | 0 45 | 21 58 | 1 21 | 8 11 | 16 50 | 8 15 | 8 5 | 9 35 | 13 12 | 1 28 |
| F 21 | 10 35 | 17 36 | 5 14 | 8 26 | 1 31 | 9 32 | 1 27 | 23 19 | 0s 1 | 12 57 | 1 21 | 7 25 | 1 33 | 14 27 | 0 45 | 21 58 | 1 21 | 8 12 | 16 51 | 8 15 | 8 6 | 9 34 | 13 12 | 1 28 |
| S 22 | 10 14 | 18 26 | 4 52 | 7 39 | 1 24 | 9 4 | 1 27 | 23 20 | 0 1 | 12 56 | 1 22 | 7 22 | 1 33 | 14 28 | 0 45 | 21 58 | 1 21 | 8 13 | 16 51 | 8 15 | 8 7 | 9 32 | 13 13 | 1 28 |
| S 23 | 9 52 | 18 8 | 4 12 | 6 51 | 1 17 | 8 36 | 1 27 | 23 20 | 0 2 | 12 56 | 1 22 | 7 19 | 1 33 | 14 29 | 0 45 | 21 58 | 1 21 | 8 13 | 16 51 | 8 15 | 8 8 | 9 31 | 13 13 | 1 28 |
| M24 | 9 30 | 16 39 | 3 15 | 6 3 | 1 9 | 8 7 | 1 28 | 23 20 | 0 3 | 12 56 | 1 22 | 7 17 | 1 33 | 14 30 | 0 45 | 21 58 | 1 21 | 8 14 | 16 52 | 8 15 | 8 9 | 9 29 | 13 14 | 1 28 |
| T 25 | 9 7 | 13 59 | 2 3 | 5 14 | 1 0 | 7 39 | 1 28 | 23 20 | 0 4 | 12 55 | 1 22 | 7 14 | 1 33 | 14 30 | 0 45 | 21 58 | 1 21 | 8 15 | 16 52 | 8 16 | 8 11 | 9 28 | 13 15 | 1 28 |
| W26 | 8 45 | 10 20 | 0 41 | 4 24 | 0 51 | 7 10 | 1 28 | 23 20 | 0 5 | 12 55 | 1 22 | 7 11 | 1 33 | 14 31 | 0 45 | 21 58 | 1 21 | 8 16 | 16 53 | 8 16 | 8 12 | 9 26 | 13 15 | 1 28 |
| T 27 | 8 23 | 5 58 | 0n43 | 3 35 | 0 41 | 6 41 | 1 28 | 23 20 | 0 6 | 12 55 | 1 23 | 7 8 | 1 33 | 14 32 | 0 45 | 21 58 | 1 21 | 8 17 | 16 53 | 8 16 | 8 13 | 9 24 | 13 16 | 1 28 |
| F 28 | 8s 0 | 1n15 | 2n 4 | 2s45 | 0s30 | 6s12 | 1s28 | 23s19 | 0s 7 | 12s54 | 1n23 | 7s 6 | 1s33 | 14n33 | 0n45 | 21s58 | 1n21 | 8n17 | 16n54 | 8n16 | 8n14 | 9s23 | 13n17 | 1s28 |

Julian Day Number = 2804400.5, Delta T = 51m15s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°15'49, Lahiri = 37°22'49


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# ASTRODIENST EPHEMERIS for the year 2966
# geocentric

## MARCH 2966 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 36 51 | 10♓25'17 | 16♎30 | 25♓52 | 18♓56 | 5♑55 | 8°R19 | 15♓41 | 22°R46 | 29♐47 | 18°R53 | 8°R43 | 8♍44 | 4♓52 | 9♉50 | S 1 |
| S 2 | 10 40 47 | 11°25'52 | 1♏ 0 | 27°28 | 20°11 | 6°34 | 8♏17 | 15°48 | 22♌44 | 29°48 | 18♎52 | 8♍42 | 8°40 | 4°58 | 9°52 | S 2 |
| M 3 | 10 44 44 | 12°26'27 | 15° 4 | 29° 0 | 21°26 | 7°13 | 8°15 | 15°56 | 22°41 | 29°49 | 18°51 | 8°42 | 8°37 | 5° 5 | 9°54 | M 3 |
| T 4 | 10 48 40 | 13°27'00 | 28°40 | 0♈29 | 22°41 | 7°52 | 8°14 | 16° 3 | 22°39 | 29°50 | 18°49 | 8°42 | 8°34 | 5°12 | 9°56 | T 4 |
| W 5 | 10 52 37 | 14°27'33 | 11♐50 | 1°53 | 23°56 | 8°31 | 8°12 | 16°10 | 22°36 | 29°51 | 18°48 | 8°D42 | 8°31 | 5°18 | 9°59 | W 5 |
| T 6 | 10 56 33 | 15°28'04 | 24°36 | 3°13 | 25°11 | 9°10 | 8° 9 | 16°17 | 22°34 | 29°52 | 18°47 | 8°42 | 8°28 | 5°25 | 10° 1 | T 6 |
| F 7 | 11 0 30 | 16°28'34 | 7♑ 3 | 4°26 | 26°26 | 9°49 | 8° 7 | 16°25 | 22°32 | 29°53 | 18°46 | 8°42 | 8°24 | 5°32 | 10° 4 | F 7 |
| S 8 | 11 4 26 | 17°29'03 | 19°14 | 5°33 | 27°41 | 10°28 | 8° 4 | 16°32 | 22°29 | 29°54 | 18°44 | 8°43 | 8°21 | 5°38 | 10° 6 | S 8 |
| S 9 | 11 8 23 | 18°29'31 | 1♒13 | 6°32 | 28°56 | 11° 7 | 8° 1 | 16°39 | 22°27 | 29°54 | 18°43 | 8°44 | 8°18 | 5°45 | 10° 9 | S 9 |
| M10 | 11 12 20 | 19°29'57 | 13° 5 | 7°24 | 0♈11 | 11°46 | 7°58 | 16°46 | 22°25 | 29°55 | 18°41 | 8°45 | 8°15 | 5°52 | 10°11 | M10 |
| T 11 | 11 16 16 | 20°30'21 | 24°53 | 8° 7 | 1°26 | 12°25 | 7°55 | 16°54 | 22°23 | 29°56 | 18°40 | 8°46 | 8°12 | 5°58 | 10°14 | T 11 |
| W12 | 11 20 13 | 21°30'45 | 6♓39 | 8°42 | 2°41 | 13° 4 | 7°52 | 17° 1 | 22°20 | 29°57 | 18°39 | 8°R46 | 8° 9 | 6° 5 | 10°16 | W12 |
| T 13 | 11 24 9 | 22°31'06 | 18°27 | 9° 7 | 3°56 | 13°43 | 7°48 | 17° 8 | 22°18 | 29°57 | 18°37 | 8°46 | 8° 5 | 6°11 | 10°19 | T 13 |
| F 14 | 11 28 6 | 23°31'26 | 0♈19 | 9°23 | 5°11 | 14°22 | 7°45 | 17°16 | 22°16 | 29°58 | 18°36 | 8°45 | 8° 2 | 6°18 | 10°22 | F 14 |
| S 15 | 11 32 2 | 24°31'45 | 12°16 | 9°R28 | 6°26 | 15° 1 | 7°41 | 17°23 | 22°14 | 29°58 | 18°34 | 8°43 | 7°59 | 6°25 | 10°25 | S 15 |
| S 16 | 11 35 59 | 25°32'01 | 24°21 | 9°25 | 7°41 | 15°40 | 7°37 | 17°30 | 22°12 | 29°59 | 18°33 | 8°41 | 7°56 | 6°31 | 10°27 | S 16 |
| M17 | 11 39 55 | 26°32'16 | 6♉35 | 9°12 | 8°56 | 16°19 | 7°33 | 17°37 | 22°10 | 29°59 | 18°31 | 8°38 | 7°53 | 6°38 | 10°30 | M17 |
| T 18 | 11 43 52 | 27°32'29 | 19° 2 | 8°49 | 10°11 | 16°57 | 7°28 | 17°44 | 22° 8 | 0♑ 0 | 18°30 | 8°35 | 7°50 | 6°45 | 10°33 | T 18 |
| W19 | 11 47 48 | 28°32'40 | 1♊42 | 8°19 | 11°25 | 17°36 | 7°24 | 17°52 | 22° 6 | 0° 0 | 18°28 | 8°33 | 7°46 | 6°51 | 10°36 | W19 |
| T 20 | 11 51 45 | 29°32'49 | 14°38 | 7°40 | 12°40 | 18°15 | 7°19 | 17°59 | 22° 4 | 0° 1 | 18°27 | 8°31 | 7°43 | 6°58 | 10°39 | T 20 |
| F 21 | 11 55 42 | 0♈32'56 | 27°54 | 6°55 | 13°55 | 18°54 | 7°14 | 18° 6 | 22° 2 | 0° 1 | 18°25 | 8°D30 | 7°40 | 7° 5 | 10°42 | F 21 |
| S 22 | 11 59 38 | 1°33'01 | 11♋30 | 6° 4 | 15°10 | 19°33 | 7° 9 | 18°13 | 22° 0 | 0° 2 | 18°24 | 8°30 | 7°37 | 7°11 | 10°45 | S 22 |
| S 23 | 12 3 35 | 2°33'04 | 25°28 | 5° 9 | 16°24 | 20°12 | 7° 4 | 18°20 | 21°58 | 0° 2 | 18°22 | 8°31 | 7°34 | 7°18 | 10°48 | S 23 |
| M24 | 12 7 31 | 3°33'04 | 9♌49 | 4°11 | 17°39 | 20°50 | 6°59 | 18°27 | 21°57 | 0° 2 | 18°20 | 8°33 | 7°30 | 7°25 | 10°51 | M24 |
| T 25 | 12 11 28 | 4°33'03 | 24°29 | 3°12 | 18°54 | 21°29 | 6°53 | 18°35 | 21°55 | 0° 2 | 18°19 | 8°34 | 7°27 | 7°31 | 10°54 | T 25 |
| W26 | 12 15 24 | 5°33'00 | 9♍25 | 2°12 | 20° 8 | 22° 8 | 6°48 | 18°42 | 21°53 | 0° 3 | 18°17 | 8°R35 | 7°24 | 7°38 | 10°57 | W26 |
| T 27 | 12 19 21 | 6°32'54 | 24°29 | 1°14 | 21°23 | 22°47 | 6°42 | 18°49 | 21°52 | 0° 3 | 18°16 | 8°34 | 7°21 | 7°44 | 11° 1 | T 27 |
| F 28 | 12 23 17 | 7°32'47 | 9♎32 | 0°18 | 22°37 | 23°26 | 6°36 | 18°56 | 21°50 | 0° 3 | 18°14 | 8°32 | 7°18 | 7°51 | 11° 4 | F 28 |
| S 29 | 12 27 14 | 8°32'37 | 24°27 | 29♓25 | 23°52 | 24° 4 | 6°30 | 19° 3 | 21°48 | 0° 3 | 18°12 | 8°28 | 7°15 | 7°58 | 11° 7 | S 29 |
| S 30 | 12 31 11 | 9°32'26 | 9♏ 5 | 28°36 | 25° 6 | 24°43 | 6°24 | 19°10 | 21°47 | 0° 3 | 18°11 | 8°24 | 7°11 | 8° 4 | 11°10 | S 30 |
| M31 | 12 35 7 | 10♈32'13 | 23♏18 | 27♓53 | 26♈21 | 25♑22 | 6♏18 | 19♓17 | 21♌45 | 0♑ 3 | 18♎ 9 | 8♍19 | 7♍ 8 | 8♓11 | 11♉13 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7s37 | 3s27 | 3n15 | 1s55 | 0s19 | 5s42 | 1s28 | 23s18 | 0s 7 | 12s53 | 1n23 | 7s 3 | 1s33 | 14n34 | 0n45 | 21s58 | 1n21 | 8n18 | 16n54 | 8n16 | 8n15 | 9s21 | 13n17 | 1s28 |
| S 2 | 7 14 | 7 49 | 4 12 | 1 6 | 0 7 | 5 13 | 1 27 | 23 17 | 0 8 | 12 53 | 1 23 | 7 0 | 1 33 | 14 34 | 0 45 | 21 58 | 1 21 | 8 19 | 16 54 | 8 16 | 8 17 | 9 20 | 13 18 | 1 28 |
| M 3 | 6 51 | 11 37 | 4 52 | 0 18 | 0n 6 | 4 43 | 1 27 | 23 16 | 0 9 | 12 52 | 1 24 | 6 57 | 1 33 | 14 35 | 0 45 | 21 58 | 1 21 | 8 20 | 16 55 | 8 16 | 8 18 | 9 18 | 13 19 | 1 28 |
| T 4 | 6 28 | 14 39 | 5 13 | 0n29 | 0 19 | 4 13 | 1 27 | 23 15 | 0 10 | 12 51 | 1 24 | 6 55 | 1 33 | 14 36 | 0 45 | 21 57 | 1 21 | 8 21 | 16 55 | 8 16 | 8 19 | 9 16 | 13 19 | 1 28 |
| W 5 | 6 5 | 16 50 | 5 18 | 1 15 | 0 33 | 3 43 | 1 26 | 23 14 | 0 11 | 12 50 | 1 24 | 6 52 | 1 33 | 14 37 | 0 45 | 21 57 | 1 21 | 8 21 | 16 55 | 8 16 | 8 20 | 9 15 | 13 20 | 1 28 |
| T 6 | 5 42 | 18 6 | 5 6 | 1 59 | 0 47 | 3 13 | 1 26 | 23 12 | 0 12 | 12 49 | 1 24 | 6 49 | 1 33 | 14 37 | 0 45 | 21 57 | 1 21 | 8 22 | 16 56 | 8 16 | 8 21 | 9 13 | 13 21 | 1 28 |
| F 7 | 5 19 | 18 28 | 4 40 | 2 42 | 1 1 | 2 43 | 1 25 | 23 10 | 0 13 | 12 48 | 1 24 | 6 46 | 1 33 | 14 38 | 0 45 | 21 57 | 1 21 | 8 23 | 16 56 | 8 16 | 8 22 | 9 12 | 13 22 | 1 28 |
| S 8 | 4 55 | 17 57 | 4 2 | 3 21 | 1 16 | 2 13 | 1 25 | 23 8 | 0 14 | 12 47 | 1 25 | 6 43 | 1 33 | 14 39 | 0 45 | 21 57 | 1 21 | 8 24 | 16 56 | 8 16 | 8 24 | 9 10 | 13 22 | 1 28 |
| S 9 | 4 32 | 16 37 | 3 14 | 3 58 | 1 31 | 1 43 | 1 24 | 23 6 | 0 15 | 12 46 | 1 25 | 6 41 | 1 33 | 14 40 | 0 45 | 21 57 | 1 21 | 8 25 | 16 57 | 8 15 | 8 25 | 9 8 | 13 23 | 1 28 |
| M10 | 4 8 | 14 36 | 2 18 | 4 32 | 1 46 | 1 12 | 1 24 | 23 4 | 0 16 | 12 45 | 1 25 | 6 38 | 1 33 | 14 40 | 0 45 | 21 57 | 1 21 | 8 25 | 16 57 | 8 15 | 8 26 | 9 7 | 13 24 | 1 28 |
| T 11 | 3 45 | 11 58 | 1 16 | 5 3 | 2 0 | 0 42 | 1 23 | 23 1 | 0 17 | 12 44 | 1 25 | 6 35 | 1 34 | 14 41 | 0 45 | 21 57 | 1 22 | 8 26 | 16 57 | 8 14 | 8 27 | 9 5 | 13 25 | 1 28 |
| W12 | 3 21 | 8 50 | 0 12 | 5 30 | 2 15 | 0 11 | 1 22 | 22 58 | 0 18 | 12 43 | 1 25 | 6 32 | 1 34 | 14 42 | 0 45 | 21 57 | 1 22 | 8 27 | 16 58 | 8 14 | 8 28 | 9 4 | 13 26 | 1 28 |
| T 13 | 2 57 | 5 22 | 0s53 | 5 52 | 2 28 | 0n19 | 1 21 | 22 55 | 0 19 | 12 41 | 1 26 | 6 30 | 1 34 | 14 42 | 0 45 | 21 57 | 1 22 | 8 28 | 16 58 | 8 14 | 8 30 | 9 2 | 13 26 | 1 28 |
| F 14 | 2 33 | 1 40 | 1 57 | 6 10 | 2 41 | 0 49 | 1 20 | 22 52 | 0 20 | 12 40 | 1 26 | 6 27 | 1 34 | 14 43 | 0 45 | 21 57 | 1 22 | 8 28 | 16 58 | 8 15 | 8 31 | 9 0 | 13 27 | 1 28 |
| S 15 | 2 10 | 2n 8 | 2 55 | 6 23 | 2 53 | 1 20 | 1 19 | 22 49 | 0 21 | 12 39 | 1 26 | 6 24 | 1 34 | 14 44 | 0 45 | 21 57 | 1 22 | 8 29 | 16 59 | 8 15 | 8 32 | 8 59 | 13 28 | 1 28 |
| S 16 | 1 46 | 5 53 | 3 46 | 6 32 | 3 4 | 1 50 | 1 18 | 22 46 | 0 22 | 12 37 | 1 26 | 6 21 | 1 34 | 14 44 | 0 45 | 21 57 | 1 22 | 8 30 | 16 59 | 8 16 | 8 33 | 8 57 | 13 29 | 1 28 |
| M17 | 1 22 | 9 25 | 4 28 | 6 36 | 3 14 | 2 21 | 1 17 | 22 42 | 0 23 | 12 36 | 1 26 | 6 19 | 1 34 | 14 45 | 0 45 | 21 57 | 1 22 | 8 31 | 16 59 | 8 17 | 8 34 | 8 56 | 13 30 | 1 28 |
| T 18 | 0 58 | 12 36 | 4 58 | 6 34 | 3 22 | 2 51 | 1 16 | 22 39 | 0 24 | 12 34 | 1 26 | 6 16 | 1 34 | 14 46 | 0 45 | 21 57 | 1 22 | 8 32 | 16 59 | 8 19 | 8 35 | 8 54 | 13 31 | 1 28 |
| W19 | 0 35 | 15 16 | 5 14 | 6 28 | 3 28 | 3 21 | 1 14 | 22 35 | 0 25 | 12 32 | 1 27 | 6 13 | 1 34 | 14 46 | 0 45 | 21 57 | 1 22 | 8 32 | 17 0 | 8 19 | 8 37 | 8 52 | 13 32 | 1 28 |
| T 20 | 0 11 | 17 14 | 5 14 | 6 17 | 3 33 | 3 51 | 1 13 | 22 31 | 0 26 | 12 31 | 1 27 | 6 10 | 1 34 | 14 47 | 0 45 | 21 57 | 1 22 | 8 33 | 17 0 | 8 20 | 8 38 | 8 51 | 13 33 | 1 28 |
| F 21 | 0n13 | 18 20 | 4 58 | 6 2 | 3 35 | 4 22 | 1 12 | 22 26 | 0 27 | 12 29 | 1 27 | 6 8 | 1 34 | 14 48 | 0 45 | 21 57 | 1 22 | 8 34 | 17 0 | 8 20 | 8 39 | 8 49 | 13 33 | 1 28 |
| S 22 | 0 37 | 18 25 | 4 25 | 5 42 | 3 35 | 4 52 | 1 10 | 22 22 | 0 29 | 12 27 | 1 27 | 6 5 | 1 34 | 14 48 | 0 45 | 21 57 | 1 22 | 8 35 | 17 0 | 8 20 | 8 40 | 8 47 | 13 34 | 1 28 |
| S 23 | 1 1 | 17 24 | 3 36 | 5 19 | 3 34 | 5 22 | 1 9 | 22 17 | 0 30 | 12 25 | 1 27 | 6 2 | 1 34 | 14 49 | 0 44 | 21 57 | 1 22 | 8 35 | 17 0 | 8 20 | 8 41 | 8 46 | 13 35 | 1 28 |
| M24 | 1 24 | 15 15 | 2 32 | 4 52 | 3 30 | 5 51 | 1 7 | 22 13 | 0 31 | 12 24 | 1 27 | 6 0 | 1 35 | 14 49 | 0 44 | 21 57 | 1 22 | 8 36 | 17 1 | 8 19 | 8 42 | 8 44 | 13 36 | 1 28 |
| T 25 | 1 48 | 12 5 | 1 17 | 4 24 | 3 24 | 6 21 | 1 6 | 22 8 | 0 32 | 12 22 | 1 28 | 5 57 | 1 35 | 14 50 | 0 44 | 21 57 | 1 22 | 8 37 | 17 1 | 8 19 | 8 44 | 8 43 | 13 37 | 1 28 |
| W26 | 2 12 | 8 4 | 0n 5 | 3 53 | 3 17 | 6 51 | 1 4 | 22 3 | 0 33 | 12 20 | 1 28 | 5 54 | 1 35 | 14 50 | 0 44 | 21 57 | 1 22 | 8 38 | 17 1 | 8 19 | 8 45 | 8 41 | 13 38 | 1 28 |
| T 27 | 2 35 | 3 30 | 1 26 | 3 21 | 3 7 | 7 20 | 1 2 | 21 58 | 0 34 | 12 18 | 1 28 | 5 52 | 1 35 | 14 51 | 0 44 | 21 57 | 1 22 | 8 38 | 17 1 | 8 19 | 8 46 | 8 39 | 13 39 | 1 28 |
| F 28 | 2 59 | 1s17 | 2 42 | 2 49 | 2 57 | 7 49 | 1 0 | 21 52 | 0 35 | 12 16 | 1 28 | 5 49 | 1 35 | 14 51 | 0 44 | 21 57 | 1 22 | 8 39 | 17 1 | 8 20 | 8 47 | 8 38 | 13 40 | 1 28 |
| S 29 | 3 22 | 5 55 | 3 46 | 2 17 | 2 44 | 8 18 | 0 59 | 21 47 | 0 37 | 12 14 | 1 28 | 5 46 | 1 35 | 14 52 | 0 44 | 21 56 | 1 22 | 8 40 | 17 1 | 8 21 | 8 48 | 8 36 | 13 41 | 1 28 |
| S 30 | 3 46 | 10 7 | 4 33 | 1 46 | 2 31 | 8 47 | 0 57 | 21 41 | 0 38 | 12 12 | 1 28 | 5 44 | 1 35 | 14 52 | 0 44 | 21 56 | 1 22 | 8 41 | 17 2 | 8 23 | 8 50 | 8 34 | 13 42 | 1 28 |
| M31 | 4n 9 | 13s37 | 5n 2 | 1n16 | 2n17 | 9n16 | 0s55 | 21s35 | 0s39 | 12s 9 | 1n28 | 5s41 | 1s35 | 14n53 | 0n44 | 21s56 | 1n22 | 8n41 | 17n 2 | 8n25 | 8n51 | 8s33 | 13n43 | 1s28 |

Julian Day Number = 2804428.5, Delta T = 51m16s
Ecliptic obliquity = 23°18'43, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°15'52, Lahiri = 37°22'53


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# ASTRODIENST EPHEMERIS for the year 2966
# geocentric

## APRIL 2966 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 39 4 | 11♈31'59 | 7♐ 4 | 27°R15 | 27♈35 | 26♑ 1 | 6°R12 | 19♓24 | 21°R44 | 0°R 3 | 18°R 8 | 8°R14 | 7♍ 5 | 8♓18 | 11♉17 | T 1 |
| W 2 | 12 43 0 | 12°31'43 | 20°22 | 26♓43 | 28°50 | 26°39 | 6♏ 5 | 19°31 | 21♌43 | 0♑ 3 | 18♎ 6 | 8♍11 | 7° 2 | 8°24 | 11°20 | W 2 |
| T 3 | 12 46 57 | 13°31'25 | 3♑14 | 26°17 | 0♉ 4 | 27°18 | 5°59 | 19°38 | 21°41 | 0° 3 | 18° 4 | 8° 9 | 6°59 | 8°31 | 11°23 | T 3 |
| F 4 | 12 50 53 | 14°31'06 | 15°44 | 25°57 | 1°18 | 27°57 | 5°52 | 19°44 | 21°40 | 0° 3 | 18° 3 | 8°D 8 | 6°55 | 8°38 | 11°27 | F 4 |
| S 5 | 12 54 50 | 15°30'45 | 27°54 | 25°43 | 2°33 | 28°35 | 5°45 | 19°51 | 21°39 | 0° 3 | 18° 1 | 8° 9 | 6°52 | 8°44 | 11°30 | S 5 |
| S 6 | 12 58 46 | 16°30'22 | 9♒52 | 25°36 | 3°47 | 29°14 | 5°38 | 19°58 | 21°38 | 0° 3 | 17°59 | 8°10 | 6°49 | 8°51 | 11°34 | S 6 |
| M 7 | 13 2 43 | 17°29'57 | 21°41 | 25°D35 | 5° 1 | 29°53 | 5°32 | 20° 5 | 21°36 | 0° 3 | 17°58 | 8°12 | 6°46 | 8°58 | 11°37 | M 7 |
| T 8 | 13 6 40 | 18°29'31 | 3♓27 | 25°39 | 6°16 | 0♒31 | 5°24 | 20°11 | 21°35 | 0° 2 | 17°56 | 8°R13 | 6°43 | 9° 4 | 11°40 | T 8 |
| W 9 | 13 10 36 | 19°29'03 | 15°14 | 25°49 | 7°30 | 1°10 | 5°17 | 20°18 | 21°34 | 0° 2 | 17°54 | 8°13 | 6°40 | 9°11 | 11°44 | W 9 |
| T 10 | 13 14 33 | 20°28'33 | 27° 6 | 26° 5 | 8°44 | 1°48 | 5°10 | 20°25 | 21°33 | 0° 2 | 17°53 | 8°11 | 6°36 | 9°17 | 11°47 | T 10 |
| F 11 | 13 18 29 | 21°28'01 | 9♈ 4 | 26°25 | 9°58 | 2°27 | 5° 3 | 20°31 | 21°32 | 0° 2 | 17°51 | 8° 7 | 6°33 | 9°24 | 11°51 | F 11 |
| S 12 | 13 22 26 | 22°27'27 | 21°12 | 26°50 | 11°12 | 3° 5 | 4°56 | 20°38 | 21°31 | 0° 1 | 17°49 | 8° 1 | 6°30 | 9°31 | 11°54 | S 12 |
| S 13 | 13 26 22 | 23°26'52 | 3♉31 | 27°20 | 12°26 | 3°44 | 4°48 | 20°45 | 21°31 | 0° 1 | 17°48 | 7°53 | 6°27 | 9°37 | 11°58 | S 13 |
| M14 | 13 30 19 | 24°26'14 | 16° 2 | 27°54 | 13°40 | 4°22 | 4°41 | 20°51 | 21°30 | 0° 0 | 17°46 | 7°45 | 6°24 | 9°44 | 12° 1 | M14 |
| T 15 | 13 34 15 | 25°25'34 | 28°44 | 28°33 | 14°54 | 5° 0 | 4°33 | 20°58 | 21°29 | 0° 0 | 17°44 | 7°36 | 6°21 | 9°51 | 12° 5 | T 15 |
| W16 | 13 38 12 | 26°24'52 | 11♊39 | 29°15 | 16° 8 | 5°39 | 4°26 | 21° 4 | 21°28 | 29♐59 | 17°43 | 7°28 | 6°17 | 9°57 | 12° 9 | W16 |
| T 17 | 13 42 8 | 27°24'08 | 24°48 | 0♈ 1 | 17°22 | 6°17 | 4°18 | 21°10 | 21°28 | 29°59 | 17°41 | 7°22 | 6°14 | 10° 4 | 12°12 | T 17 |
| F 18 | 13 46 5 | 28°23'22 | 8♋ 9 | 0°50 | 18°36 | 6°55 | 4°10 | 21°17 | 21°27 | 29°59 | 17°40 | 7°18 | 6°11 | 10°11 | 12°16 | F 18 |
| S 19 | 13 50 2 | 29°22'34 | 21°45 | 1°42 | 19°50 | 7°34 | 4° 3 | 21°23 | 21°27 | 29°58 | 17°38 | 7°16 | 6° 8 | 10°17 | 12°19 | S 19 |
| S 20 | 13 53 58 | 0♉21'43 | 5♌35 | 2°38 | 21° 4 | 8°12 | 3°55 | 21°29 | 21°26 | 29°57 | 17°36 | 7°D16 | 6° 5 | 10°24 | 12°23 | S 20 |
| M21 | 13 57 55 | 1°20'50 | 19°41 | 3°36 | 22°18 | 8°50 | 3°47 | 21°35 | 21°26 | 29°57 | 17°35 | 7°17 | 6° 1 | 10°31 | 12°27 | M21 |
| T 22 | 14 1 51 | 2°19'54 | 4♍ 1 | 4°37 | 23°32 | 9°28 | 3°40 | 21°41 | 21°25 | 29°56 | 17°33 | 7°R17 | 5°58 | 10°37 | 12°30 | T 22 |
| W23 | 14 5 48 | 3°18'56 | 18°34 | 5°41 | 24°45 | 10° 6 | 3°32 | 21°48 | 21°25 | 29°55 | 17°31 | 7°17 | 5°55 | 10°44 | 12°34 | W23 |
| T 24 | 14 9 44 | 4°17'56 | 3♎15 | 6°47 | 25°59 | 10°44 | 3°24 | 21°54 | 21°25 | 29°55 | 17°30 | 7°14 | 5°52 | 10°50 | 12°38 | T 24 |
| F 25 | 14 13 41 | 5°16'54 | 17°59 | 7°56 | 27°13 | 11°22 | 3°17 | 22° 0 | 21°24 | 29°54 | 17°28 | 7° 9 | 5°49 | 10°57 | 12°41 | F 25 |
| S 26 | 14 17 37 | 6°15'50 | 2♏38 | 9° 7 | 28°26 | 12° 0 | 3° 9 | 22° 5 | 21°24 | 29°53 | 17°27 | 7° 2 | 5°46 | 11° 4 | 12°45 | S 26 |
| S 27 | 14 21 34 | 7°14'44 | 17° 6 | 10°20 | 29°40 | 12°38 | 3° 1 | 22°11 | 21°24 | 29°52 | 17°25 | 6°53 | 5°42 | 11°10 | 12°49 | S 27 |
| M28 | 14 25 31 | 8°13'36 | 1♐16 | 11°36 | 0♊53 | 13°16 | 2°54 | 22°17 | 21°D24 | 29°52 | 17°24 | 6°43 | 5°39 | 11°17 | 12°52 | M28 |
| T 29 | 14 29 27 | 9°12'26 | 15° 2 | 12°53 | 2° 7 | 13°54 | 2°46 | 22°23 | 21°24 | 29°51 | 17°22 | 6°33 | 5°36 | 11°24 | 12°56 | T 29 |
| W30 | 14 33 24 | 10♉11'15 | 28♐23 | 14♈13 | 3♊20 | 14♒32 | 2♏38 | 22♓29 | 21♌24 | 29♐50 | 17♎21 | 6♍25 | 5♍33 | 11♓30 | 13♉ 0 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4n32 | 16s14 | 5n13 | 0n47 | 2n 3 | 9n44 | 0s53 | 21s29 | 0s40 | 12s 7 | 1n29 | 5s38 | 1s35 | 14n53 | 0n44 | 21s56 | 1n22 | 8n42 | 17n 2 | 8n26 | 8n52 | 8s31 | 13n44 | 1s29 |
| W 2 | 4 55 | 17 53 | 5 6 | 0 21 | 1 47 | 10 12 | 0 51 | 21 23 | 0 41 | 12 5 | 1 29 | 5 36 | 1 35 | 14 54 | 0 44 | 21 56 | 1 22 | 8 43 | 17 2 | 8 28 | 8 53 | 8 29 | 13 45 | 1 29 |
| T 3 | 5 19 | 18 33 | 4 44 | 0s 4 | 1 32 | 10 40 | 0 49 | 21 17 | 0 43 | 12 3 | 1 29 | 5 33 | 1 36 | 14 54 | 0 44 | 21 56 | 1 22 | 8 43 | 17 2 | 8 28 | 8 54 | 8 28 | 13 46 | 1 29 |
| F 4 | 5 42 | 18 17 | 4 8 | 0 26 | 1 17 | 11 8 | 0 47 | 21 11 | 0 44 | 12 1 | 1 29 | 5 31 | 1 36 | 14 54 | 0 44 | 21 56 | 1 22 | 8 44 | 17 2 | 8 28 | 8 55 | 8 26 | 13 47 | 1 29 |
| S 5 | 6 5 | 17 10 | 3 22 | 0 45 | 1 1 | 11 36 | 0 45 | 21 4 | 0 45 | 11 58 | 1 29 | 5 28 | 1 36 | 14 55 | 0 44 | 21 56 | 1 23 | 8 45 | 17 2 | 8 28 | 8 57 | 8 24 | 13 48 | 1 29 |
| S 6 | 6 27 | 15 18 | 2 29 | 1 2 | 0 46 | 12 3 | 0 42 | 20 58 | 0 46 | 11 56 | 1 29 | 5 25 | 1 36 | 14 55 | 0 44 | 21 56 | 1 23 | 8 45 | 17 2 | 8 28 | 8 58 | 8 23 | 13 49 | 1 29 |
| M 7 | 6 50 | 12 48 | 1 29 | 1 16 | 0 31 | 12 30 | 0 40 | 20 51 | 0 48 | 11 54 | 1 29 | 5 23 | 1 36 | 14 55 | 0 44 | 21 56 | 1 23 | 8 46 | 17 2 | 8 27 | 8 59 | 8 21 | 13 50 | 1 29 |
| T 8 | 7 13 | 9 47 | 0 26 | 1 28 | 0 17 | 12 56 | 0 38 | 20 44 | 0 49 | 11 51 | 1 29 | 5 20 | 1 36 | 14 56 | 0 44 | 21 56 | 1 23 | 8 47 | 17 2 | 8 27 | 9 0 | 8 19 | 13 51 | 1 29 |
| W 9 | 7 35 | 6 22 | 0s38 | 1 36 | 0 3 | 13 23 | 0 36 | 20 37 | 0 50 | 11 49 | 1 29 | 5 18 | 1 36 | 14 56 | 0 44 | 21 56 | 1 23 | 8 47 | 17 2 | 8 27 | 9 1 | 8 18 | 13 52 | 1 29 |
| T 10 | 7 57 | 2 42 | 1 41 | 1 43 | 0s11 | 13 49 | 0 33 | 20 30 | 0 52 | 11 46 | 1 29 | 5 15 | 1 36 | 14 56 | 0 44 | 21 56 | 1 23 | 8 48 | 17 2 | 8 27 | 9 2 | 8 16 | 13 53 | 1 29 |
| F 11 | 8 20 | 1n 8 | 2 40 | 1 47 | 0 24 | 14 14 | 0 31 | 20 22 | 0 53 | 11 44 | 1 29 | 5 13 | 1 36 | 14 57 | 0 44 | 21 56 | 1 23 | 8 49 | 17 2 | 8 29 | 9 4 | 8 14 | 13 54 | 1 29 |
| S 12 | 8 42 | 4 57 | 3 32 | 1 48 | 0 36 | 14 40 | 0 28 | 20 15 | 0 54 | 11 41 | 1 29 | 5 10 | 1 37 | 14 57 | 0 44 | 21 56 | 1 23 | 8 49 | 17 2 | 8 31 | 9 5 | 8 13 | 13 55 | 1 29 |
| S 13 | 9 4 | 8 37 | 4 15 | 1 47 | 0 48 | 15 5 | 0 26 | 20 7 | 0 56 | 11 39 | 1 29 | 5 8 | 1 37 | 14 57 | 0 44 | 21 56 | 1 23 | 8 50 | 17 2 | 8 34 | 9 6 | 8 11 | 13 56 | 1 29 |
| M14 | 9 25 | 11 58 | 4 46 | 1 44 | 1 0 | 15 29 | 0 24 | 19 59 | 0 57 | 11 36 | 1 29 | 5 6 | 1 37 | 14 57 | 0 44 | 21 56 | 1 23 | 8 50 | 17 2 | 8 37 | 9 7 | 8 9 | 13 57 | 1 29 |
| T 15 | 9 47 | 14 49 | 5 4 | 1 39 | 1 10 | 15 53 | 0 21 | 19 52 | 0 58 | 11 34 | 1 30 | 5 3 | 1 37 | 14 58 | 0 44 | 21 56 | 1 23 | 8 51 | 17 2 | 8 40 | 9 8 | 8 8 | 13 58 | 1 29 |
| W16 | 10 8 | 17 0 | 5 7 | 1 32 | 1 21 | 16 17 | 0 19 | 19 44 | 1 0 | 11 31 | 1 30 | 5 1 | 1 37 | 14 58 | 0 44 | 21 56 | 1 23 | 8 51 | 17 2 | 8 43 | 9 9 | 8 6 | 13 59 | 1 29 |
| T 17 | 10 30 | 18 19 | 4 54 | 1 23 | 1 30 | 16 40 | 0 16 | 19 35 | 1 1 | 11 29 | 1 30 | 4 58 | 1 37 | 14 58 | 0 44 | 21 56 | 1 23 | 8 52 | 17 2 | 8 46 | 9 11 | 8 4 | 14 0 | 1 29 |
| F 18 | 10 51 | 18 40 | 4 25 | 1 11 | 1 39 | 17 3 | 0 13 | 19 27 | 1 3 | 11 26 | 1 30 | 4 56 | 1 37 | 14 58 | 0 44 | 21 56 | 1 23 | 8 53 | 17 2 | 8 47 | 9 12 | 8 3 | 14 1 | 1 29 |
| S 19 | 11 12 | 17 57 | 3 40 | 0 58 | 1 47 | 17 26 | 0 11 | 19 19 | 1 4 | 11 24 | 1 30 | 4 54 | 1 38 | 14 58 | 0 44 | 21 56 | 1 23 | 8 53 | 17 2 | 8 48 | 9 13 | 8 1 | 14 2 | 1 29 |
| S 20 | 11 32 | 16 9 | 2 42 | 0 44 | 1 55 | 17 48 | 0 8 | 19 11 | 1 6 | 11 21 | 1 30 | 4 51 | 1 38 | 14 58 | 0 44 | 21 56 | 1 23 | 8 54 | 17 2 | 8 48 | 9 14 | 7 59 | 14 3 | 1 29 |
| M21 | 11 53 | 13 22 | 1 33 | 0 27 | 2 2 | 18 9 | 0 6 | 19 2 | 1 7 | 11 19 | 1 30 | 4 49 | 1 38 | 14 58 | 0 44 | 21 56 | 1 23 | 8 54 | 17 2 | 8 48 | 9 15 | 7 58 | 14 4 | 1 29 |
| T 22 | 12 13 | 9 43 | 0 18 | 0 9 | 2 9 | 18 30 | 0 3 | 18 53 | 1 9 | 11 16 | 1 30 | 4 47 | 1 38 | 14 59 | 0 44 | 21 56 | 1 23 | 8 55 | 17 2 | 8 47 | 9 16 | 7 56 | 14 5 | 1 29 |
| W23 | 12 33 | 5 26 | 1n 0 | 0n11 | 2 15 | 18 51 | 0 0 | 18 45 | 1 10 | 11 13 | 1 30 | 4 45 | 1 38 | 14 59 | 0 44 | 21 56 | 1 23 | 8 55 | 17 2 | 8 47 | 9 18 | 7 54 | 14 6 | 1 30 |
| T 24 | 12 53 | 0 47 | 2 15 | 0 32 | 2 21 | 19 11 | 0n 2 | 18 36 | 1 12 | 11 11 | 1 30 | 4 42 | 1 38 | 14 59 | 0 44 | 21 55 | 1 23 | 8 56 | 17 2 | 8 48 | 9 19 | 7 53 | 14 7 | 1 30 |
| F 25 | 13 13 | 3s56 | 3 20 | 0 54 | 2 25 | 19 31 | 0 5 | 18 27 | 1 13 | 11 8 | 1 29 | 4 40 | 1 38 | 14 59 | 0 44 | 21 55 | 1 23 | 8 56 | 17 2 | 8 50 | 9 20 | 7 51 | 14 8 | 1 30 |
| S 26 | 13 32 | 8 22 | 4 12 | 1 18 | 2 30 | 19 50 | 0 8 | 18 18 | 1 15 | 11 6 | 1 29 | 4 38 | 1 39 | 14 59 | 0 43 | 21 55 | 1 23 | 8 56 | 17 1 | 8 53 | 9 21 | 7 49 | 14 9 | 1 30 |
| S 27 | 13 51 | 12 16 | 4 47 | 1 43 | 2 33 | 20 9 | 0 10 | 18 9 | 1 16 | 11 3 | 1 29 | 4 36 | 1 39 | 14 59 | 0 43 | 21 55 | 1 23 | 8 57 | 17 1 | 8 56 | 9 22 | 7 48 | 14 10 | 1 30 |
| M28 | 14 10 | 15 21 | 5 3 | 2 9 | 2 37 | 20 27 | 0 13 | 17 59 | 1 18 | 11 1 | 1 29 | 4 34 | 1 39 | 14 59 | 0 43 | 21 55 | 1 23 | 8 57 | 17 1 | 9 0 | 9 23 | 7 46 | 14 11 | 1 30 |
| T 29 | 14 29 | 17 29 | 5 1 | 2 37 | 2 39 | 20 44 | 0 16 | 17 50 | 1 19 | 10 58 | 1 29 | 4 32 | 1 39 | 14 59 | 0 43 | 21 55 | 1 23 | 8 58 | 17 1 | 9 4 | 9 25 | 7 44 | 14 13 | 1 30 |
| W30 | 14n48 | 18s35 | 4n43 | 3n 6 | 2s41 | 21n 1 | 0n19 | 17s41 | 1s21 | 10s56 | 1n29 | 4s30 | 1s39 | 14n59 | 0n43 | 21s55 | 1n23 | 8n58 | 17n 1 | 9n 7 | 9n26 | 7s42 | 14n14 | 1s30 |

Julian Day Number = 2804459.5, Delta T = 51m16s
Ecliptic obliquity = 23°18'43, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°15'57, Lahiri = 37°22'57


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# ASTRODIENST EPHEMERIS for the year 2966
# geocentric

## MAY 2966 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 37 20 | 11♉10'01 | 11♋18 | 15♈34 | 4♊34 | 15♒10 | 2°R31 | 22♓34 | 21♌24 | 29°R49 | 17°R19 | 6°R19 | 5♍30 | 11♓37 | 13♉ 3 | T 1 |
| F 2 | 14 41 17 | 12° 8'46 | 23°50 | 16°58 | 5°47 | 15°47 | 2♏23 | 22°40 | 21°24 | 29♐48 | 17♎18 | 6♍15 | 5°27 | 11°44 | 13° 7 | F 2 |
| S 3 | 14 45 13 | 13° 7'30 | 6♒ 4 | 18°23 | 7° 0 | 16°25 | 2°16 | 22°45 | 21°25 | 29°47 | 17°16 | 6°13 | 5°23 | 11°50 | 13°11 | S 3 |
| S 4 | 14 49 10 | 14° 6'11 | 18° 3 | 19°50 | 8°14 | 17° 3 | 2° 8 | 22°51 | 21°25 | 29°46 | 17°15 | 6°D13 | 5°20 | 11°57 | 13°15 | S 4 |
| M 5 | 14 53 6 | 15° 4'51 | 29°53 | 21°19 | 9°27 | 17°40 | 2° 1 | 22°56 | 21°25 | 29°45 | 17°13 | 6°R14 | 5°17 | 12° 4 | 13°18 | M 5 |
| T 6 | 14 57 3 | 16° 3'30 | 11♓40 | 22°50 | 10°40 | 18°18 | 1°54 | 23° 2 | 21°26 | 29°44 | 17°12 | 6°14 | 5°14 | 12°10 | 13°22 | T 6 |
| W 7 | 15 1 0 | 17° 2'07 | 23°29 | 24°23 | 11°53 | 18°55 | 1°46 | 23° 7 | 21°26 | 29°43 | 17°11 | 6°12 | 5°11 | 12°17 | 13°26 | W 7 |
| T 8 | 15 4 56 | 18° 0'42 | 5♈24 | 25°57 | 13° 7 | 19°33 | 1°39 | 23°12 | 21°27 | 29°42 | 17° 9 | 6° 8 | 5° 7 | 12°24 | 13°29 | T 8 |
| F 9 | 15 8 53 | 18°59'15 | 17°30 | 27°33 | 14°20 | 20°10 | 1°32 | 23°17 | 21°27 | 29°41 | 17° 8 | 6° 2 | 5° 4 | 12°30 | 13°33 | F 9 |
| S 10 | 15 12 49 | 19°57'47 | 29°49 | 29°11 | 15°33 | 20°47 | 1°25 | 23°22 | 21°28 | 29°40 | 17° 7 | 5°53 | 5° 1 | 12°37 | 13°37 | S 10 |
| S 11 | 15 16 46 | 20°56'17 | 12♉23 | 0♉50 | 16°46 | 21°25 | 1°18 | 23°27 | 21°28 | 29°38 | 17° 5 | 5°42 | 4°58 | 12°43 | 13°40 | S 11 |
| M12 | 15 20 42 | 21°54'45 | 25°12 | 2°32 | 17°59 | 22° 2 | 1°11 | 23°32 | 21°29 | 29°37 | 17° 4 | 5°30 | 4°55 | 12°50 | 13°44 | M12 |
| T 13 | 15 24 39 | 22°53'11 | 8♊16 | 4°15 | 19°12 | 22°39 | 1° 4 | 23°37 | 21°30 | 29°36 | 17° 3 | 5°17 | 4°52 | 12°57 | 13°48 | T 13 |
| W14 | 15 28 35 | 23°51'36 | 21°33 | 6° 0 | 20°25 | 23°16 | 0°58 | 23°42 | 21°31 | 29°35 | 17° 1 | 5° 5 | 4°48 | 13° 3 | 13°51 | W14 |
| T 15 | 15 32 32 | 24°49'59 | 5♋ 2 | 7°46 | 21°37 | 23°53 | 0°51 | 23°47 | 21°31 | 29°34 | 17° 0 | 4°56 | 4°45 | 13°10 | 13°55 | T 15 |
| F 16 | 15 36 29 | 25°48'19 | 18°40 | 9°34 | 22°50 | 24°30 | 0°45 | 23°51 | 21°32 | 29°32 | 16°59 | 4°49 | 4°42 | 13°17 | 13°59 | F 16 |
| S 17 | 15 40 25 | 26°46'38 | 2♌27 | 11°25 | 24° 3 | 25° 6 | 0°38 | 23°56 | 21°33 | 29°31 | 16°58 | 4°45 | 4°39 | 13°23 | 14° 2 | S 17 |
| S 18 | 15 44 22 | 27°44'55 | 16°22 | 13°16 | 25°16 | 25°43 | 0°32 | 24° 0 | 21°34 | 29°30 | 16°57 | 4°43 | 4°36 | 13°30 | 14° 6 | S 18 |
| M19 | 15 48 18 | 28°43'10 | 0♍24 | 15°10 | 26°28 | 26°20 | 0°26 | 24° 5 | 21°35 | 29°28 | 16°55 | 4°43 | 4°33 | 13°37 | 14°10 | M19 |
| T 20 | 15 52 15 | 29°41'22 | 14°33 | 17° 5 | 27°41 | 26°56 | 0°20 | 24° 9 | 21°37 | 29°27 | 16°54 | 4°43 | 4°29 | 13°43 | 14°13 | T 20 |
| W21 | 15 56 11 | 0♊39'33 | 28°47 | 19° 3 | 28°54 | 27°33 | 0°14 | 24°13 | 21°38 | 29°26 | 16°53 | 4°42 | 4°26 | 13°50 | 14°17 | W21 |
| T 22 | 16 0 8 | 1°37'41 | 13♎ 4 | 21° 2 | 0♋ 6 | 28° 9 | 0° 9 | 24°18 | 21°39 | 29°24 | 16°52 | 4°38 | 4°23 | 13°57 | 14°20 | T 22 |
| F 23 | 16 4 4 | 2°35'48 | 27°23 | 23° 2 | 1°19 | 28°45 | 0° 3 | 24°22 | 21°40 | 29°23 | 16°51 | 4°32 | 4°20 | 14° 3 | 14°24 | F 23 |
| S 24 | 16 8 1 | 3°33'53 | 11♏37 | 25° 4 | 2°31 | 29°21 | 29♎58 | 24°26 | 21°42 | 29°22 | 16°50 | 4°23 | 4°17 | 14°10 | 14°27 | S 24 |
| S 25 | 16 11 58 | 4°31'56 | 25°43 | 27° 8 | 3°43 | 29°57 | 29°52 | 24°30 | 21°43 | 29°20 | 16°49 | 4°12 | 4°13 | 14°16 | 14°31 | S 25 |
| M26 | 16 15 54 | 5°29'58 | 9♐34 | 29°14 | 4°56 | 0♓33 | 29°47 | 24°34 | 21°44 | 29°19 | 16°48 | 4° 0 | 4°10 | 14°23 | 14°35 | M26 |
| T 27 | 16 19 51 | 6°27'58 | 23° 8 | 1♊20 | 6° 8 | 1° 9 | 29°42 | 24°37 | 21°46 | 29°17 | 16°47 | 3°48 | 4° 7 | 14°30 | 14°38 | T 27 |
| W28 | 16 23 47 | 7°25'57 | 6♋21 | 3°28 | 7°20 | 1°45 | 29°37 | 24°41 | 21°47 | 29°16 | 16°46 | 3°37 | 4° 4 | 14°36 | 14°42 | W28 |
| T 29 | 16 27 44 | 8°23'55 | 19°12 | 5°38 | 8°32 | 2°21 | 29°32 | 24°45 | 21°49 | 29°14 | 16°45 | 3°29 | 4° 1 | 14°43 | 14°45 | T 29 |
| F 30 | 16 31 40 | 9°21'51 | 1♒43 | 7°48 | 9°44 | 2°56 | 29°28 | 24°48 | 21°51 | 29°13 | 16°45 | 3°23 | 3°58 | 14°50 | 14°48 | F 30 |
| S 31 | 16 35 37 | 10♊19'45 | 13♒56 | 9♊58 | 10♋56 | 3♓32 | 29♎23 | 24♓52 | 21♌52 | 29♐11 | 16♎44 | 3♍20 | 3♍54 | 14♓56 | 14♉52 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15n 6 | 18s41 | 4n10 | 3n36 | 2s43 | 21n17 | 0n21 | 17s31 | 1s22 | 10s53 | 1n29 | 4s27 | 1s39 | 14n59 | 0n43 | 21s55 | 1n23 | 8n58 | 17n 1 | 9n 9 | 9n27 | 7s41 | 14n15 | 1s30 |
| F 2 | 15 24 | 17 50 | 3 26 | 4 6 | 2 44 | 21 33 | 0 24 | 17 21 | 1 24 | 10 51 | 1 29 | 4 25 | 1 40 | 14 58 | 0 43 | 21 55 | 1 23 | 8 59 | 17 0 | 9 10 | 9 28 | 7 39 | 14 16 | 1 30 |
| S 3 | 15 42 | 16 10 | 2 34 | 4 38 | 2 44 | 21 48 | 0 27 | 17 12 | 1 26 | 10 48 | 1 29 | 4 23 | 1 40 | 14 58 | 0 43 | 21 55 | 1 23 | 8 59 | 17 0 | 9 11 | 9 29 | 7 37 | 14 17 | 1 30 |
| S 4 | 15 59 | 13 49 | 1 36 | 5 11 | 2 44 | 22 3 | 0 29 | 17 2 | 1 27 | 10 46 | 1 29 | 4 21 | 1 40 | 14 58 | 0 43 | 21 55 | 1 24 | 8 59 | 17 0 | 9 11 | 9 30 | 7 36 | 14 18 | 1 30 |
| M 5 | 16 16 | 10 55 | 0 34 | 5 45 | 2 43 | 22 17 | 0 32 | 16 52 | 1 29 | 10 43 | 1 29 | 4 19 | 1 40 | 14 58 | 0 43 | 21 55 | 1 24 | 9 0 | 17 0 | 9 11 | 9 31 | 7 34 | 14 19 | 1 30 |
| T 6 | 16 33 | 7 36 | 0s29 | 6 19 | 2 42 | 22 30 | 0 35 | 16 42 | 1 31 | 10 41 | 1 29 | 4 17 | 1 40 | 14 58 | 0 43 | 21 55 | 1 24 | 9 0 | 16 59 | 9 11 | 9 33 | 7 32 | 14 20 | 1 30 |
| W 7 | 16 50 | 3 58 | 1 31 | 6 55 | 2 41 | 22 43 | 0 38 | 16 32 | 1 32 | 10 38 | 1 29 | 4 16 | 1 41 | 14 58 | 0 43 | 21 55 | 1 24 | 9 0 | 16 59 | 9 11 | 9 34 | 7 30 | 14 21 | 1 30 |
| T 8 | 17 6 | 0 8 | 2 29 | 7 31 | 2 38 | 22 55 | 0 40 | 16 22 | 1 34 | 10 36 | 1 29 | 4 14 | 1 41 | 14 58 | 0 43 | 21 55 | 1 24 | 9 1 | 16 59 | 9 13 | 9 35 | 7 29 | 14 22 | 1 31 |
| F 9 | 17 22 | 3n44 | 3 21 | 8 7 | 2 36 | 23 6 | 0 43 | 16 12 | 1 36 | 10 34 | 1 28 | 4 12 | 1 41 | 14 57 | 0 43 | 21 55 | 1 24 | 9 1 | 16 59 | 9 15 | 9 36 | 7 27 | 14 23 | 1 31 |
| S 10 | 17 38 | 7 32 | 4 4 | 8 45 | 2 32 | 23 17 | 0 46 | 16 2 | 1 38 | 10 31 | 1 28 | 4 10 | 1 41 | 14 57 | 0 43 | 21 55 | 1 24 | 9 1 | 16 58 | 9 18 | 9 37 | 7 25 | 14 24 | 1 31 |
| S 11 | 17 54 | 11 4 | 4 37 | 9 23 | 2 29 | 23 27 | 0 48 | 15 52 | 1 39 | 10 29 | 1 28 | 4 8 | 1 41 | 14 57 | 0 43 | 21 55 | 1 24 | 9 1 | 16 58 | 9 22 | 9 38 | 7 24 | 14 25 | 1 31 |
| M12 | 18 9 | 14 10 | 4 56 | 10 2 | 2 24 | 23 37 | 0 51 | 15 41 | 1 41 | 10 27 | 1 28 | 4 6 | 1 41 | 14 57 | 0 43 | 21 55 | 1 24 | 9 2 | 16 58 | 9 27 | 9 40 | 7 22 | 14 26 | 1 31 |
| T 13 | 18 24 | 16 37 | 5 1 | 10 41 | 2 19 | 23 46 | 0 53 | 15 31 | 1 43 | 10 25 | 1 28 | 4 5 | 1 42 | 14 56 | 0 43 | 21 55 | 1 24 | 9 2 | 16 58 | 9 31 | 9 41 | 7 20 | 14 27 | 1 31 |
| W14 | 18 38 | 18 14 | 4 49 | 11 20 | 2 14 | 23 54 | 0 56 | 15 20 | 1 45 | 10 22 | 1 28 | 4 3 | 1 42 | 14 56 | 0 43 | 21 55 | 1 24 | 9 2 | 16 57 | 9 36 | 9 42 | 7 18 | 14 28 | 1 31 |
| T 15 | 18 52 | 18 52 | 4 21 | 12 0 | 2 8 | 24 1 | 0 58 | 15 10 | 1 47 | 10 20 | 1 28 | 4 1 | 1 42 | 14 56 | 0 43 | 21 55 | 1 24 | 9 2 | 16 57 | 9 39 | 9 43 | 7 17 | 14 29 | 1 31 |
| F 16 | 19 6 | 18 25 | 3 38 | 12 40 | 2 2 | 24 8 | 1 1 | 14 59 | 1 48 | 10 18 | 1 27 | 4 0 | 1 42 | 14 55 | 0 43 | 21 55 | 1 24 | 9 2 | 16 57 | 9 42 | 9 44 | 7 15 | 14 30 | 1 31 |
| S 17 | 19 20 | 16 53 | 2 42 | 13 21 | 1 55 | 24 14 | 1 3 | 14 49 | 1 50 | 10 16 | 1 27 | 3 58 | 1 42 | 14 55 | 0 43 | 21 55 | 1 24 | 9 2 | 16 56 | 9 43 | 9 45 | 7 13 | 14 31 | 1 31 |
| S 18 | 19 33 | 14 19 | 1 36 | 14 1 | 1 48 | 24 19 | 1 6 | 14 38 | 1 52 | 10 14 | 1 27 | 3 56 | 1 43 | 14 55 | 0 43 | 21 55 | 1 24 | 9 3 | 16 56 | 9 44 | 9 46 | 7 11 | 14 32 | 1 31 |
| M19 | 19 46 | 10 55 | 0 23 | 14 42 | 1 41 | 24 24 | 1 8 | 14 28 | 1 54 | 10 12 | 1 27 | 3 55 | 1 43 | 14 54 | 0 43 | 21 55 | 1 24 | 9 3 | 16 56 | 9 44 | 9 48 | 7 10 | 14 33 | 1 31 |
| T 20 | 19 59 | 6 51 | 0n52 | 15 22 | 1 32 | 24 28 | 1 11 | 14 17 | 1 56 | 10 10 | 1 27 | 3 53 | 1 43 | 14 54 | 0 43 | 21 55 | 1 24 | 9 3 | 16 55 | 9 44 | 9 49 | 7 8 | 14 34 | 1 32 |
| W21 | 20 11 | 2 23 | 2 4 | 16 2 | 1 24 | 24 31 | 1 13 | 14 6 | 1 58 | 10 9 | 1 27 | 3 52 | 1 43 | 14 54 | 0 43 | 21 55 | 1 24 | 9 3 | 16 55 | 9 44 | 9 50 | 7 6 | 14 35 | 1 32 |
| T 22 | 20 23 | 2s15 | 3 8 | 16 43 | 1 15 | 24 34 | 1 15 | 13 56 | 2 0 | 10 7 | 1 26 | 3 50 | 1 43 | 14 53 | 0 43 | 21 55 | 1 24 | 9 3 | 16 55 | 9 46 | 9 51 | 7 5 | 14 36 | 1 32 |
| F 23 | 20 34 | 6 44 | 4 0 | 17 22 | 1 6 | 24 36 | 1 18 | 13 45 | 2 2 | 10 5 | 1 26 | 3 49 | 1 44 | 14 53 | 0 43 | 21 55 | 1 24 | 9 3 | 16 54 | 9 48 | 9 52 | 7 3 | 14 37 | 1 32 |
| S 24 | 20 45 | 10 50 | 4 38 | 18 1 | 0 56 | 24 37 | 1 20 | 13 34 | 2 4 | 10 3 | 1 26 | 3 48 | 1 44 | 14 52 | 0 42 | 21 55 | 1 24 | 9 3 | 16 54 | 9 51 | 9 53 | 7 1 | 14 38 | 1 32 |
| S 25 | 20 56 | 14 16 | 4 57 | 18 40 | 0 47 | 24 37 | 1 22 | 13 23 | 2 6 | 10 2 | 1 26 | 3 46 | 1 44 | 14 52 | 0 42 | 21 55 | 1 24 | 9 3 | 16 54 | 9 55 | 9 55 | 6 59 | 14 38 | 1 32 |
| M26 | 21 6 | 16 50 | 4 59 | 19 17 | 0 37 | 24 37 | 1 24 | 13 12 | 2 8 | 10 0 | 1 26 | 3 45 | 1 44 | 14 51 | 0 42 | 21 55 | 1 24 | 9 3 | 16 53 | 10 0 | 9 56 | 6 58 | 14 39 | 1 32 |
| T 27 | 21 16 | 18 25 | 4 44 | 19 53 | 0 26 | 24 36 | 1 26 | 13 2 | 2 10 | 9 58 | 1 25 | 3 44 | 1 45 | 14 51 | 0 42 | 21 55 | 1 24 | 9 3 | 16 53 | 10 4 | 9 57 | 6 56 | 14 40 | 1 32 |
| W28 | 21 26 | 18 56 | 4 14 | 20 29 | 0 16 | 24 35 | 1 28 | 12 51 | 2 12 | 9 57 | 1 25 | 3 42 | 1 45 | 14 50 | 0 42 | 21 55 | 1 24 | 9 3 | 16 52 | 10 8 | 9 58 | 6 54 | 14 41 | 1 32 |
| T 29 | 21 35 | 18 28 | 3 31 | 21 2 | 0 5 | 24 32 | 1 30 | 12 40 | 2 14 | 9 55 | 1 25 | 3 41 | 1 45 | 14 50 | 0 42 | 21 55 | 1 24 | 9 3 | 16 52 | 10 11 | 9 59 | 6 52 | 14 42 | 1 32 |
| F 30 | 21 44 | 17 5 | 2 39 | 21 35 | 0n 5 | 24 29 | 1 32 | 12 29 | 2 16 | 9 54 | 1 25 | 3 40 | 1 45 | 14 49 | 0 42 | 21 55 | 1 24 | 9 3 | 16 52 | 10 13 | 10 0 | 6 51 | 14 43 | 1 33 |
| S 31 | 21n53 | 14s57 | 1n41 | 22n 5 | 0n16 | 24n25 | 1n34 | 12s18 | 2s18 | 9s53 | 1n25 | 3s39 | 1s45 | 14n49 | 0n42 | 21s54 | 1n24 | 9n 3 | 16n51 | 10n14 | 10n 1 | 6s49 | 14n44 | 1s33 |

Julian Day Number = 2804489.5, Delta T = 51m17s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°16'01, Lahiri = 37°23'01


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# ASTRODIENST EPHEMERIS for the year 2966
# geocentric

## JUNE 2966 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 39 33 | 11♊17'39 | 25♒56 | 12♊10 | 12♋ 8 | 4♓ 7 | 29°R19 | 24♓55 | 21♌54 | 29°R10 | 16°R43 | 3°R19 | 3♍51 | 15♓ 3 | 14♉55 | S 1 |
| M 2 | 16 43 30 | 12°15'31 | 7♓48 | 14°21 | 13°20 | 4°42 | 29♎15 | 24°58 | 21°56 | 29♐ 8 | 16♎42 | 3♍19 | 3°48 | 15°10 | 14°59 | M 2 |
| T 3 | 16 47 27 | 13°13'22 | 19°36 | 16°32 | 14°32 | 5°17 | 29°11 | 25° 2 | 21°57 | 29° 7 | 16°41 | 3°19 | 3°45 | 15°16 | 15° 2 | T 3 |
| W 4 | 16 51 23 | 14°11'12 | 1♈27 | 18°44 | 15°44 | 5°52 | 29° 7 | 25° 5 | 21°59 | 29° 5 | 16°41 | 3°18 | 3°42 | 15°23 | 15° 5 | W 4 |
| T 5 | 16 55 20 | 15° 9'01 | 13°25 | 20°54 | 16°56 | 6°27 | 29° 4 | 25° 8 | 22° 1 | 29° 4 | 16°40 | 3°15 | 3°38 | 15°30 | 15° 9 | T 5 |
| F 6 | 16 59 16 | 16° 6'49 | 25°36 | 23° 4 | 18° 8 | 7° 2 | 29° 0 | 25°11 | 22° 3 | 29° 2 | 16°39 | 3° 9 | 3°35 | 15°36 | 15°12 | F 6 |
| S 7 | 17 3 13 | 17° 4'35 | 8♉ 3 | 25°12 | 19°19 | 7°36 | 28°57 | 25°14 | 22° 5 | 29° 1 | 16°39 | 3° 1 | 3°32 | 15°43 | 15°15 | S 7 |
| S 8 | 17 7 9 | 18° 2'21 | 20°48 | 27°19 | 20°31 | 8°11 | 28°54 | 25°16 | 22° 7 | 28°59 | 16°38 | 2°51 | 3°29 | 15°50 | 15°19 | S 8 |
| M 9 | 17 11 6 | 19° 0'06 | 3♊53 | 29°25 | 21°43 | 8°45 | 28°51 | 25°19 | 22° 9 | 28°57 | 16°38 | 2°39 | 3°26 | 15°56 | 15°22 | M 9 |
| T 10 | 17 15 2 | 19°57'49 | 17°17 | 1♋28 | 22°54 | 9°19 | 28°48 | 25°22 | 22°11 | 28°56 | 16°37 | 2°28 | 3°23 | 16° 3 | 15°25 | T 10 |
| W11 | 17 18 59 | 20°55'31 | 0♋57 | 3°30 | 24° 5 | 9°53 | 28°46 | 25°24 | 22°14 | 28°54 | 16°36 | 2°17 | 3°19 | 16°10 | 15°28 | W11 |
| T 12 | 17 22 56 | 21°53'12 | 14°51 | 5°29 | 25°17 | 10°27 | 28°43 | 25°26 | 22°16 | 28°53 | 16°36 | 2° 8 | 3°16 | 16°16 | 15°31 | T 12 |
| F 13 | 17 26 52 | 22°50'52 | 28°54 | 7°26 | 26°28 | 11° 0 | 28°41 | 25°29 | 22°18 | 28°51 | 16°36 | 2° 2 | 3°13 | 16°23 | 15°34 | F 13 |
| S 14 | 17 30 49 | 23°48'30 | 13♌ 2 | 9°20 | 27°39 | 11°34 | 28°39 | 25°31 | 22°20 | 28°49 | 16°35 | 1°58 | 3°10 | 16°29 | 15°38 | S 14 |
| S 15 | 17 34 45 | 24°46'07 | 27°12 | 11°13 | 28°51 | 12° 7 | 28°37 | 25°33 | 22°23 | 28°48 | 16°35 | 1°D57 | 3° 7 | 16°36 | 15°41 | S 15 |
| M16 | 17 38 42 | 25°43'42 | 11♍23 | 13° 2 | 0♌ 2 | 12°40 | 28°35 | 25°35 | 22°25 | 28°46 | 16°34 | 1°57 | 3° 4 | 16°43 | 15°44 | M16 |
| T 17 | 17 42 38 | 26°41'16 | 25°32 | 14°49 | 1°13 | 13°13 | 28°34 | 25°37 | 22°27 | 28°45 | 16°34 | 1°R57 | 3° 0 | 16°49 | 15°47 | T 17 |
| W18 | 17 46 35 | 27°38'49 | 9♎38 | 16°33 | 2°24 | 13°46 | 28°33 | 25°39 | 22°30 | 28°43 | 16°34 | 1°57 | 2°57 | 16°56 | 15°50 | W18 |
| T 19 | 17 50 31 | 28°36'20 | 23°40 | 18°14 | 3°35 | 14°18 | 28°32 | 25°41 | 22°32 | 28°41 | 16°34 | 1°54 | 2°54 | 17° 3 | 15°53 | T 19 |
| F 20 | 17 54 28 | 29°33'50 | 7♏37 | 19°52 | 4°46 | 14°50 | 28°31 | 25°42 | 22°35 | 28°40 | 16°33 | 1°49 | 2°51 | 17° 9 | 15°56 | F 20 |
| S 21 | 17 58 25 | 0♋31'19 | 21°26 | 21°28 | 5°56 | 15°23 | 28°30 | 25°44 | 22°37 | 28°38 | 16°33 | 1°42 | 2°48 | 17°16 | 15°58 | S 21 |
| S 22 | 18 2 21 | 1°28'47 | 5♐ 6 | 23° 1 | 7° 7 | 15°54 | 28°29 | 25°45 | 22°40 | 28°36 | 16°33 | 1°33 | 2°44 | 17°23 | 16° 1 | S 22 |
| M23 | 18 6 18 | 2°26'14 | 18°33 | 24°31 | 8°18 | 16°26 | 28°29 | 25°47 | 22°43 | 28°35 | 16°33 | 1°23 | 2°41 | 17°29 | 16° 4 | M23 |
| T 24 | 18 10 14 | 3°23'40 | 1♑45 | 25°58 | 9°28 | 16°58 | 28°28 | 25°48 | 22°45 | 28°33 | 16°33 | 1°14 | 2°38 | 17°36 | 16° 7 | T 24 |
| W25 | 18 14 11 | 4°21'05 | 14°41 | 27°22 | 10°39 | 17°29 | 28°D28 | 25°49 | 22°48 | 28°32 | 16°33 | 1° 5 | 2°35 | 17°43 | 16°10 | W25 |
| T 26 | 18 18 7 | 5°18'29 | 27°20 | 28°43 | 11°49 | 18° 0 | 28°29 | 25°50 | 22°51 | 28°30 | 16°D33 | 0°58 | 2°32 | 17°49 | 16°12 | T 26 |
| F 27 | 18 22 4 | 6°15'53 | 9♒44 | 0♌ 1 | 12°59 | 18°31 | 28°29 | 25°51 | 22°54 | 28°28 | 16°33 | 0°54 | 2°29 | 17°56 | 16°15 | F 27 |
| S 28 | 18 26 1 | 7°13'16 | 21°53 | 1°17 | 14° 9 | 19° 1 | 28°29 | 25°52 | 22°56 | 28°27 | 16°33 | 0°52 | 2°25 | 18° 3 | 16°18 | S 28 |
| S 29 | 18 29 57 | 8°10'39 | 3♓51 | 2°29 | 15°20 | 19°31 | 28°30 | 25°53 | 22°59 | 28°25 | 16°33 | 0°D51 | 2°22 | 18° 9 | 16°20 | S 29 |
| M30 | 18 33 54 | 9♋ 8'01 | 15♓42 | 3♌38 | 16♌30 | 20♓ 1 | 28♎31 | 25♓53 | 23♌ 2 | 28♐24 | 16♎33 | 0♍52 | 2♍19 | 18♓16 | 16♉23 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n 1 | 12s12 | 0n39 | 22n34 | 0n26 | 24n21 | 1n36 | 12s 7 | 2s20 | 9s51 | 1n24 | 3s38 | 1s46 | 14n48 | 0n42 | 21s54 | 1n24 | 9n 3 | 16n51 | 10n14 | 10n 3 | 6s47 | 14n45 | 1s33 |
| M 2 | 22 9 | 8 58 | 0s24 | 23 0 | 0 36 | 24 16 | 1 38 | 11 56 | 2 22 | 9 50 | 1 24 | 3 36 | 1 46 | 14 47 | 0 42 | 21 54 | 1 24 | 9 3 | 16 50 | 10 14 | 10 4 | 6 45 | 14 46 | 1 33 |
| T 3 | 22 16 | 5 24 | 1 25 | 23 24 | 0 46 | 24 10 | 1 39 | 11 45 | 2 24 | 9 49 | 1 24 | 3 35 | 1 46 | 14 47 | 0 42 | 21 54 | 1 24 | 9 3 | 16 50 | 10 14 | 10 5 | 6 44 | 14 47 | 1 33 |
| W 4 | 22 23 | 1 37 | 2 23 | 23 46 | 0 56 | 24 4 | 1 41 | 11 35 | 2 26 | 9 48 | 1 24 | 3 34 | 1 46 | 14 46 | 0 42 | 21 54 | 1 24 | 9 2 | 16 50 | 10 15 | 10 6 | 6 42 | 14 47 | 1 33 |
| T 5 | 22 29 | 2n16 | 3 16 | 24 5 | 1 5 | 23 56 | 1 42 | 11 24 | 2 28 | 9 47 | 1 24 | 3 33 | 1 47 | 14 46 | 0 42 | 21 54 | 1 24 | 9 2 | 16 49 | 10 16 | 10 7 | 6 40 | 14 48 | 1 33 |
| F 6 | 22 36 | 6 7 | 4 0 | 24 21 | 1 14 | 23 49 | 1 44 | 11 13 | 2 31 | 9 46 | 1 23 | 3 32 | 1 47 | 14 45 | 0 42 | 21 54 | 1 24 | 9 2 | 16 49 | 10 18 | 10 8 | 6 38 | 14 49 | 1 33 |
| S 7 | 22 41 | 9 47 | 4 34 | 24 35 | 1 22 | 23 40 | 1 45 | 11 2 | 2 33 | 9 45 | 1 23 | 3 32 | 1 47 | 14 44 | 0 42 | 21 54 | 1 24 | 9 2 | 16 48 | 10 21 | 10 9 | 6 36 | 14 50 | 1 33 |
| S 8 | 22 47 | 13 6 | 4 55 | 24 47 | 1 29 | 23 31 | 1 47 | 10 51 | 2 35 | 9 44 | 1 23 | 3 31 | 1 47 | 14 44 | 0 42 | 21 54 | 1 24 | 9 2 | 16 48 | 10 24 | 10 11 | 6 35 | 14 51 | 1 34 |
| M 9 | 22 52 | 15 52 | 5 2 | 24 55 | 1 36 | 23 21 | 1 48 | 10 41 | 2 37 | 9 43 | 1 23 | 3 30 | 1 47 | 14 43 | 0 42 | 21 54 | 1 24 | 9 2 | 16 47 | 10 28 | 10 12 | 6 33 | 14 52 | 1 34 |
| T 10 | 22 56 | 17 52 | 4 52 | 25 1 | 1 43 | 23 11 | 1 49 | 10 30 | 2 39 | 9 42 | 1 22 | 3 29 | 1 48 | 14 42 | 0 42 | 21 54 | 1 24 | 9 1 | 16 47 | 10 33 | 10 13 | 6 31 | 14 52 | 1 34 |
| W11 | 23 0 | 18 53 | 4 25 | 25 4 | 1 48 | 22 59 | 1 51 | 10 19 | 2 42 | 9 42 | 1 22 | 3 28 | 1 48 | 14 41 | 0 42 | 21 54 | 1 24 | 9 1 | 16 46 | 10 36 | 10 14 | 6 29 | 14 53 | 1 34 |
| T 12 | 23 4 | 18 48 | 3 43 | 25 5 | 1 53 | 22 48 | 1 52 | 10 8 | 2 44 | 9 41 | 1 22 | 3 28 | 1 48 | 14 41 | 0 42 | 21 54 | 1 24 | 9 1 | 16 46 | 10 40 | 10 15 | 6 28 | 14 54 | 1 34 |
| F 13 | 23 7 | 17 34 | 2 46 | 25 3 | 1 57 | 22 35 | 1 53 | 9 58 | 2 46 | 9 41 | 1 22 | 3 27 | 1 48 | 14 40 | 0 42 | 21 54 | 1 24 | 9 1 | 16 46 | 10 42 | 10 16 | 6 26 | 14 55 | 1 34 |
| S 14 | 23 10 | 15 14 | 1 39 | 24 59 | 2 1 | 22 22 | 1 54 | 9 47 | 2 49 | 9 40 | 1 21 | 3 26 | 1 49 | 14 39 | 0 42 | 21 54 | 1 24 | 9 0 | 16 45 | 10 43 | 10 17 | 6 24 | 14 56 | 1 34 |
| S 15 | 23 13 | 11 59 | 0 25 | 24 53 | 2 3 | 22 9 | 1 54 | 9 37 | 2 51 | 9 40 | 1 21 | 3 26 | 1 49 | 14 38 | 0 42 | 21 54 | 1 24 | 9 0 | 16 45 | 10 44 | 10 19 | 6 22 | 14 56 | 1 34 |
| M16 | 23 15 | 8 2 | 0n50 | 24 45 | 2 5 | 21 55 | 1 55 | 9 26 | 2 53 | 9 39 | 1 21 | 3 25 | 1 49 | 14 38 | 0 42 | 21 54 | 1 24 | 9 0 | 16 44 | 10 44 | 10 20 | 6 20 | 14 57 | 1 35 |
| T 17 | 23 16 | 3 38 | 2 2 | 24 35 | 2 6 | 21 40 | 1 56 | 9 16 | 2 56 | 9 39 | 1 21 | 3 24 | 1 49 | 14 37 | 0 42 | 21 54 | 1 24 | 8 59 | 16 44 | 10 43 | 10 21 | 6 19 | 14 58 | 1 35 |
| W18 | 23 17 | 0s56 | 3 7 | 24 22 | 2 6 | 21 25 | 1 57 | 9 6 | 2 58 | 9 39 | 1 20 | 3 24 | 1 50 | 14 36 | 0 42 | 21 54 | 1 24 | 8 59 | 16 43 | 10 44 | 10 22 | 6 17 | 14 58 | 1 35 |
| T 19 | 23 18 | 5 25 | 4 0 | 24 9 | 2 5 | 21 9 | 1 57 | 8 55 | 3 0 | 9 39 | 1 20 | 3 23 | 1 50 | 14 35 | 0 42 | 21 54 | 1 24 | 8 59 | 16 43 | 10 45 | 10 23 | 6 15 | 14 59 | 1 35 |
| F 20 | 23 19 | 9 35 | 4 38 | 23 53 | 2 4 | 20 52 | 1 58 | 8 45 | 3 3 | 9 39 | 1 20 | 3 23 | 1 50 | 14 34 | 0 42 | 21 54 | 1 24 | 8 58 | 16 42 | 10 46 | 10 24 | 6 13 | 15 0 | 1 35 |
| S 21 | 23 19 | 13 12 | 5 0 | 23 36 | 2 1 | 20 36 | 1 58 | 8 35 | 3 5 | 9 38 | 1 20 | 3 23 | 1 50 | 14 33 | 0 42 | 21 54 | 1 24 | 8 58 | 16 42 | 10 49 | 10 25 | 6 12 | 15 1 | 1 35 |
| S 22 | 23 18 | 16 3 | 5 4 | 23 18 | 1 58 | 20 18 | 1 58 | 8 25 | 3 8 | 9 39 | 1 19 | 3 22 | 1 51 | 14 33 | 0 42 | 21 54 | 1 24 | 8 57 | 16 41 | 10 52 | 10 27 | 6 10 | 15 1 | 1 35 |
| M23 | 23 17 | 17 59 | 4 51 | 22 59 | 1 55 | 20 0 | 1 58 | 8 15 | 3 10 | 9 39 | 1 19 | 3 22 | 1 51 | 14 32 | 0 42 | 21 54 | 1 24 | 8 57 | 16 41 | 10 55 | 10 28 | 6 8 | 15 2 | 1 36 |
| T 24 | 23 16 | 18 55 | 4 23 | 22 39 | 1 50 | 19 42 | 1 59 | 8 5 | 3 13 | 9 39 | 1 19 | 3 22 | 1 51 | 14 31 | 0 42 | 21 54 | 1 24 | 8 57 | 16 40 | 10 59 | 10 29 | 6 6 | 15 3 | 1 36 |
| W25 | 23 14 | 18 50 | 3 42 | 22 17 | 1 45 | 19 23 | 1 59 | 7 55 | 3 15 | 9 39 | 1 19 | 3 22 | 1 51 | 14 30 | 0 42 | 21 54 | 1 24 | 8 56 | 16 40 | 11 2 | 10 30 | 6 4 | 15 3 | 1 36 |
| T 26 | 23 12 | 17 48 | 2 50 | 21 55 | 1 39 | 19 3 | 1 58 | 7 45 | 3 18 | 9 39 | 1 18 | 3 21 | 1 52 | 14 29 | 0 42 | 21 54 | 1 24 | 8 56 | 16 39 | 11 4 | 10 31 | 6 3 | 15 4 | 1 36 |
| F 27 | 23 10 | 15 56 | 1 51 | 21 32 | 1 32 | 18 43 | 1 58 | 7 36 | 3 20 | 9 40 | 1 18 | 3 21 | 1 52 | 14 28 | 0 42 | 21 54 | 1 24 | 8 55 | 16 39 | 11 6 | 10 32 | 6 1 | 15 5 | 1 36 |
| S 28 | 23 7 | 13 23 | 0 48 | 21 9 | 1 25 | 18 23 | 1 58 | 7 26 | 3 23 | 9 40 | 1 18 | 3 21 | 1 52 | 14 27 | 0 42 | 21 54 | 1 24 | 8 55 | 16 38 | 11 7 | 10 33 | 5 59 | 15 5 | 1 36 |
| S 29 | 23 4 | 10 18 | 0s16 | 20 45 | 1 17 | 18 2 | 1 58 | 7 16 | 3 25 | 9 40 | 1 18 | 3 21 | 1 52 | 14 26 | 0 41 | 21 54 | 1 24 | 8 54 | 16 38 | 11 7 | 10 34 | 5 57 | 15 6 | 1 36 |
| M30 | 23n 0 | 6s50 | 1s19 | 20n20 | 1n 8 | 17n40 | 1n57 | 7s 7 | 3s28 | 9s41 | 1n17 | 3s21 | 1s53 | 14n25 | 0n41 | 21s54 | 1n24 | 8n54 | 16n37 | 11n 6 | 10n36 | 5s55 | 15n 6 | 1s36 |

Julian Day Number = 2804520.5, Delta T = 51m17s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°16'05, Lahiri = 37°23'06


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# ASTRODIENST EPHEMERIS for the year 2966
# geocentric

## JULY 2966 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 37 50 | 10♋ 5'22 | 27♓31 | 4♌43 | 17♌40 | 20♓31 | 28♎32 | 25♓54 | 23♌ 5 | 28°R22 | 16♎33 | 0♍53 | 2♍16 | 18♓23 | 16♉25 | T 1 |
| W 2 | 18 41 47 | 11° 2'43 | 9♈22 | 5°46 | 18°49 | 21° 0 | 28°33 | 25°54 | 23° 8 | 28♐20 | 16°33 | 0°R54 | 2°13 | 18°29 | 16°28 | W 2 |
| T 3 | 18 45 43 | 12° 0'04 | 21°21 | 6°45 | 19°59 | 21°30 | 28°34 | 25°55 | 23°11 | 28°19 | 16°33 | 0°54 | 2°10 | 18°36 | 16°30 | T 3 |
| F 4 | 18 49 40 | 12°57'24 | 3♉34 | 7°41 | 21° 9 | 21°58 | 28°36 | 25°55 | 23°14 | 28°17 | 16°34 | 0°51 | 2° 6 | 18°42 | 16°33 | F 4 |
| S 5 | 18 53 36 | 13°54'45 | 16° 4 | 8°33 | 22°18 | 22°27 | 28°38 | 25°55 | 23°17 | 28°16 | 16°34 | 0°47 | 2° 3 | 18°49 | 16°35 | S 5 |
| S 6 | 18 57 33 | 14°52'05 | 28°54 | 9°21 | 23°28 | 22°55 | 28°39 | 25°R55 | 23°20 | 28°14 | 16°34 | 0°42 | 2° 0 | 18°56 | 16°37 | S 6 |
| M 7 | 19 1 29 | 15°49'24 | 12♊ 8 | 10° 6 | 24°37 | 23°23 | 28°42 | 25°55 | 23°23 | 28°13 | 16°35 | 0°35 | 1°57 | 19° 2 | 16°39 | M 7 |
| T 8 | 19 5 26 | 16°46'44 | 25°45 | 10°47 | 25°47 | 23°51 | 28°44 | 25°55 | 23°26 | 28°11 | 16°35 | 0°28 | 1°54 | 19° 9 | 16°42 | T 8 |
| W 9 | 19 9 23 | 17°44'03 | 9♋42 | 11°24 | 26°56 | 24°18 | 28°46 | 25°55 | 23°30 | 28°10 | 16°35 | 0°21 | 1°50 | 19°16 | 16°44 | W 9 |
| T 10 | 19 13 19 | 18°41'22 | 23°58 | 11°57 | 28° 5 | 24°45 | 28°49 | 25°54 | 23°33 | 28° 8 | 16°36 | 0°15 | 1°47 | 19°22 | 16°46 | T 10 |
| F 11 | 19 17 16 | 19°38'40 | 8♌25 | 12°26 | 29°14 | 25°11 | 28°51 | 25°54 | 23°36 | 28° 7 | 16°36 | 0°12 | 1°44 | 19°29 | 16°48 | F 11 |
| S 12 | 19 21 12 | 20°35'58 | 22°59 | 12°50 | 0♍23 | 25°37 | 28°54 | 25°53 | 23°39 | 28° 5 | 16°37 | 0°10 | 1°41 | 19°36 | 16°50 | S 12 |
| S 13 | 19 25 9 | 21°33'16 | 7♍32 | 13°10 | 1°32 | 26° 3 | 28°58 | 25°53 | 23°42 | 28° 4 | 16°37 | 0°D10 | 1°38 | 19°42 | 16°52 | S 13 |
| M14 | 19 29 5 | 22°30'33 | 22° 1 | 13°26 | 2°40 | 26°29 | 29° 1 | 25°52 | 23°46 | 28° 2 | 16°38 | 0°11 | 1°35 | 19°49 | 16°54 | M14 |
| T 15 | 19 33 2 | 23°27'49 | 6♎22 | 13°37 | 3°49 | 26°54 | 29° 4 | 25°51 | 23°49 | 28° 1 | 16°38 | 0°13 | 1°31 | 19°56 | 16°56 | T 15 |
| W16 | 19 36 59 | 24°25'05 | 20°31 | 13°43 | 4°58 | 27°18 | 29° 8 | 25°50 | 23°52 | 27°59 | 16°39 | 0°R13 | 1°28 | 20° 2 | 16°58 | W16 |
| T 17 | 19 40 55 | 25°22'20 | 4♏29 | 13°R45 | 6° 6 | 27°42 | 29°12 | 25°49 | 23°56 | 27°58 | 16°40 | 0°13 | 1°25 | 20° 9 | 17° 0 | T 17 |
| F 18 | 19 44 52 | 26°19'35 | 18°13 | 13°42 | 7°14 | 28° 6 | 29°15 | 25°48 | 23°59 | 27°57 | 16°40 | 0°11 | 1°22 | 20°16 | 17° 2 | F 18 |
| S 19 | 19 48 48 | 27°16'50 | 1♐44 | 13°35 | 8°22 | 28°29 | 29°20 | 25°47 | 24° 2 | 27°55 | 16°41 | 0° 8 | 1°19 | 20°22 | 17° 3 | S 19 |
| S 20 | 19 52 45 | 28°14'04 | 15° 1 | 13°23 | 9°30 | 28°52 | 29°24 | 25°45 | 24° 6 | 27°54 | 16°42 | 0° 4 | 1°16 | 20°29 | 17° 5 | S 20 |
| M21 | 19 56 41 | 29°11'18 | 28° 5 | 13° 6 | 10°38 | 29°15 | 29°28 | 25°44 | 24° 9 | 27°53 | 16°43 | 29♌59 | 1°12 | 20°36 | 17° 7 | M21 |
| T 22 | 20 0 38 | 0♌ 8'32 | 10♑54 | 12°46 | 11°46 | 29°37 | 29°33 | 25°43 | 24°13 | 27°51 | 16°43 | 29°54 | 1° 9 | 20°42 | 17° 8 | T 22 |
| W23 | 20 4 34 | 1° 5'46 | 23°31 | 12°21 | 12°53 | 29°58 | 29°37 | 25°41 | 24°16 | 27°50 | 16°44 | 29°50 | 1° 6 | 20°49 | 17°10 | W23 |
| T 24 | 20 8 31 | 2° 3'00 | 5♒54 | 11°53 | 14° 1 | 0♈19 | 29°42 | 25°39 | 24°20 | 27°49 | 16°45 | 29°47 | 1° 3 | 20°56 | 17°11 | T 24 |
| F 25 | 20 12 28 | 3° 0'14 | 18° 6 | 11°21 | 15° 8 | 0°40 | 29°47 | 25°37 | 24°23 | 27°47 | 16°46 | 29°45 | 1° 0 | 21° 2 | 17°13 | F 25 |
| S 26 | 20 16 24 | 3°57'28 | 0♓ 8 | 10°47 | 16°15 | 1° 0 | 29°52 | 25°36 | 24°27 | 27°46 | 16°47 | 29°D44 | 0°56 | 21° 9 | 17°14 | S 26 |
| S 27 | 20 20 21 | 4°54'43 | 12° 2 | 10°11 | 17°22 | 1°19 | 29°58 | 25°34 | 24°30 | 27°45 | 16°48 | 29°45 | 0°53 | 21°15 | 17°15 | S 27 |
| M28 | 20 24 17 | 5°51'57 | 23°51 | 9°33 | 18°29 | 1°38 | 0♏ 3 | 25°32 | 24°34 | 27°44 | 16°49 | 29°46 | 0°50 | 21°22 | 17°17 | M28 |
| T 29 | 20 28 14 | 6°49'12 | 5♈40 | 8°54 | 19°35 | 1°57 | 0° 9 | 25°29 | 24°37 | 27°43 | 16°50 | 29°48 | 0°47 | 21°29 | 17°18 | T 29 |
| W30 | 20 32 10 | 7°46'28 | 17°31 | 8°14 | 20°42 | 2°14 | 0°15 | 25°27 | 24°41 | 27°41 | 16°51 | 29°50 | 0°44 | 21°35 | 17°19 | W30 |
| T 31 | 20 36 7 | 8♌43'44 | 29♈30 | 7♌35 | 21♍48 | 2♈32 | 0♏20 | 25♓25 | 24♌44 | 27♐40 | 16♎52 | 29♌51 | 0♍41 | 21♓42 | 17♉20 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22n56 | 3s 7 | 2s19 | 19n56 | 0n59 | 17n19 | 1n57 | 6s58 | 3s30 | 9s42 | 1n17 | 3s21 | 1s53 | 14n24 | 0n41 | 21s54 | 1n24 | 8n53 | 16n37 | 11n 6 | 10n37 | 5s54 | 15n 7 | 1s37 | T 1 |
| W 2 | 22 51 | 0n44 | 3 13 | 19 31 | 0 48 | 16 57 | 1 56 | 6 49 | 3 33 | 9 42 | 1 17 | 3 21 | 1 53 | 14 23 | 0 41 | 21 54 | 1 24 | 8 53 | 16 36 | 11 6 | 10 38 | 5 52 | 15 7 | 1 37 | W 2 |
| T 3 | 22 46 | 4 36 | 3 59 | 19 6 | 0 38 | 16 34 | 1 55 | 6 40 | 3 36 | 9 43 | 1 17 | 3 21 | 1 53 | 14 22 | 0 41 | 21 54 | 1 24 | 8 52 | 16 36 | 11 6 | 10 39 | 5 50 | 15 8 | 1 37 | T 3 |
| F 4 | 22 41 | 8 19 | 4 35 | 18 41 | 0 27 | 16 11 | 1 55 | 6 31 | 3 38 | 9 44 | 1 16 | 3 21 | 1 53 | 14 21 | 0 41 | 21 54 | 1 24 | 8 52 | 16 35 | 11 7 | 10 40 | 5 48 | 15 9 | 1 37 | F 4 |
| S 5 | 22 35 | 11 47 | 4 59 | 18 16 | 0 15 | 15 48 | 1 54 | 6 22 | 3 41 | 9 45 | 1 16 | 3 21 | 1 54 | 14 20 | 0 41 | 21 54 | 1 24 | 8 51 | 16 35 | 11 8 | 10 41 | 5 46 | 15 9 | 1 37 | S 5 |
| S 6 | 22 29 | 14 47 | 5 9 | 17 51 | 0 2 | 15 24 | 1 53 | 6 13 | 3 43 | 9 46 | 1 16 | 3 22 | 1 54 | 14 19 | 0 41 | 21 54 | 1 24 | 8 51 | 16 34 | 11 10 | 10 42 | 5 44 | 15 10 | 1 37 | S 6 |
| M 7 | 22 23 | 17 7 | 5 3 | 17 27 | 0s11 | 15 0 | 1 51 | 6 5 | 3 46 | 9 46 | 1 15 | 3 22 | 1 54 | 14 18 | 0 41 | 21 54 | 1 24 | 8 50 | 16 34 | 11 13 | 10 44 | 5 43 | 15 10 | 1 38 | M 7 |
| T 8 | 22 16 | 18 35 | 4 40 | 17 3 | 0 24 | 14 35 | 1 50 | 5 56 | 3 49 | 9 48 | 1 15 | 3 22 | 1 54 | 14 17 | 0 41 | 21 54 | 1 24 | 8 49 | 16 33 | 11 15 | 10 45 | 5 41 | 15 11 | 1 38 | T 8 |
| W 9 | 22 9 | 18 59 | 4 0 | 16 40 | 0 38 | 14 11 | 1 49 | 5 48 | 3 52 | 9 49 | 1 15 | 3 22 | 1 55 | 14 16 | 0 41 | 21 54 | 1 24 | 8 49 | 16 33 | 11 17 | 10 46 | 5 39 | 15 11 | 1 38 | W 9 |
| T 10 | 22 1 | 18 11 | 3 4 | 16 17 | 0 52 | 13 45 | 1 47 | 5 40 | 3 54 | 9 50 | 1 15 | 3 23 | 1 55 | 14 15 | 0 41 | 21 54 | 1 24 | 8 48 | 16 32 | 11 19 | 10 47 | 5 37 | 15 11 | 1 38 | T 10 |
| F 11 | 21 53 | 16 12 | 1 55 | 15 55 | 1 7 | 13 20 | 1 46 | 5 32 | 3 57 | 9 51 | 1 14 | 3 23 | 1 55 | 14 14 | 0 41 | 21 54 | 1 24 | 8 48 | 16 32 | 11 21 | 10 48 | 5 35 | 15 12 | 1 38 | F 11 |
| S 12 | 21 45 | 13 10 | 0 39 | 15 33 | 1 22 | 12 54 | 1 44 | 5 24 | 4 0 | 9 52 | 1 14 | 3 24 | 1 55 | 14 13 | 0 41 | 21 54 | 1 24 | 8 47 | 16 31 | 11 21 | 10 49 | 5 34 | 15 12 | 1 38 | S 12 |
| S 13 | 21 36 | 9 19 | 0n40 | 15 13 | 1 37 | 12 28 | 1 43 | 5 16 | 4 2 | 9 54 | 1 14 | 3 24 | 1 56 | 14 12 | 0 41 | 21 54 | 1 24 | 8 46 | 16 31 | 11 21 | 10 50 | 5 32 | 15 13 | 1 38 | S 13 |
| M14 | 21 27 | 4 56 | 1 56 | 14 54 | 1 53 | 12 2 | 1 41 | 5 9 | 4 5 | 9 55 | 1 14 | 3 25 | 1 56 | 14 11 | 0 41 | 21 54 | 1 24 | 8 46 | 16 30 | 11 21 | 10 51 | 5 30 | 15 13 | 1 39 | M14 |
| T 15 | 21 17 | 0 19 | 3 5 | 14 36 | 2 8 | 11 35 | 1 39 | 5 1 | 4 8 | 9 56 | 1 13 | 3 25 | 1 56 | 14 10 | 0 41 | 21 54 | 1 24 | 8 45 | 16 30 | 11 20 | 10 53 | 5 28 | 15 14 | 1 39 | T 15 |
| W16 | 21 7 | 4s15 | 4 1 | 14 19 | 2 24 | 11 9 | 1 37 | 4 54 | 4 11 | 9 58 | 1 13 | 3 26 | 1 56 | 14 8 | 0 41 | 21 54 | 1 24 | 8 44 | 16 29 | 11 20 | 10 54 | 5 26 | 15 14 | 1 39 | W16 |
| T 17 | 20 57 | 8 31 | 4 41 | 14 4 | 2 40 | 10 42 | 1 35 | 4 47 | 4 13 | 9 59 | 1 13 | 3 26 | 1 57 | 14 7 | 0 41 | 21 54 | 1 24 | 8 43 | 16 29 | 11 20 | 10 55 | 5 24 | 15 14 | 1 39 | T 17 |
| F 18 | 20 46 | 12 16 | 5 5 | 13 50 | 2 55 | 10 14 | 1 32 | 4 40 | 4 16 | 10 1 | 1 13 | 3 27 | 1 57 | 14 6 | 0 41 | 21 54 | 1 24 | 8 43 | 16 28 | 11 21 | 10 56 | 5 23 | 15 15 | 1 39 | F 18 |
| S 19 | 20 36 | 15 18 | 5 12 | 13 37 | 3 10 | 9 47 | 1 30 | 4 34 | 4 19 | 10 3 | 1 12 | 3 28 | 1 57 | 14 5 | 0 41 | 21 54 | 1 24 | 8 42 | 16 28 | 11 22 | 10 57 | 5 21 | 15 15 | 1 39 | S 19 |
| S 20 | 20 24 | 17 29 | 5 2 | 13 26 | 3 25 | 9 19 | 1 28 | 4 27 | 4 22 | 10 4 | 1 12 | 3 28 | 1 57 | 14 4 | 0 41 | 21 54 | 1 24 | 8 41 | 16 27 | 11 23 | 10 58 | 5 19 | 15 15 | 1 40 | S 20 |
| M21 | 20 13 | 18 42 | 4 36 | 13 17 | 3 39 | 8 51 | 1 25 | 4 21 | 4 25 | 10 6 | 1 12 | 3 29 | 1 58 | 14 3 | 0 41 | 21 54 | 1 24 | 8 41 | 16 27 | 11 25 | 10 59 | 5 17 | 15 16 | 1 40 | M21 |
| T 22 | 20 1 | 18 56 | 3 56 | 13 10 | 3 53 | 8 23 | 1 22 | 4 15 | 4 27 | 10 8 | 1 12 | 3 30 | 1 58 | 14 2 | 0 41 | 21 54 | 1 23 | 8 40 | 16 26 | 11 27 | 11 0 | 5 15 | 15 16 | 1 40 | T 22 |
| W23 | 19 48 | 18 13 | 3 6 | 13 4 | 4 6 | 7 55 | 1 20 | 4 9 | 4 30 | 10 10 | 1 11 | 3 31 | 1 58 | 14 0 | 0 41 | 21 54 | 1 23 | 8 39 | 16 26 | 11 28 | 11 2 | 5 13 | 15 16 | 1 40 | W23 |
| T 24 | 19 36 | 16 38 | 2 7 | 13 0 | 4 18 | 7 26 | 1 17 | 4 3 | 4 33 | 10 12 | 1 11 | 3 32 | 1 58 | 13 59 | 0 41 | 21 54 | 1 23 | 8 38 | 16 25 | 11 29 | 11 3 | 5 12 | 15 16 | 1 40 | T 24 |
| F 25 | 19 23 | 14 19 | 1 4 | 12 58 | 4 28 | 6 58 | 1 14 | 3 58 | 4 36 | 10 14 | 1 11 | 3 33 | 1 59 | 13 58 | 0 41 | 21 54 | 1 23 | 8 38 | 16 25 | 11 30 | 11 4 | 5 10 | 15 17 | 1 40 | F 25 |
| S 26 | 19 10 | 11 24 | 0s 2 | 12 58 | 4 38 | 6 29 | 1 11 | 3 52 | 4 39 | 10 16 | 1 11 | 3 34 | 1 59 | 13 57 | 0 41 | 21 54 | 1 23 | 8 37 | 16 24 | 11 30 | 11 5 | 5 8 | 15 17 | 1 41 | S 26 |
| S 27 | 18 56 | 8 3 | 1 7 | 13 0 | 4 46 | 6 0 | 1 8 | 3 47 | 4 41 | 10 18 | 1 11 | 3 35 | 1 59 | 13 56 | 0 41 | 21 54 | 1 23 | 8 36 | 16 24 | 11 30 | 11 6 | 5 6 | 15 17 | 1 41 | S 27 |
| M28 | 18 42 | 4 24 | 2 9 | 13 3 | 4 53 | 5 31 | 1 4 | 3 42 | 4 44 | 10 20 | 1 10 | 3 36 | 1 59 | 13 55 | 0 41 | 21 54 | 1 23 | 8 35 | 16 23 | 11 30 | 11 7 | 5 4 | 15 17 | 1 41 | M28 |
| T 29 | 18 28 | 0 36 | 3 5 | 13 8 | 4 58 | 5 2 | 1 1 | 3 38 | 4 47 | 10 22 | 1 10 | 3 37 | 1 59 | 13 53 | 0 41 | 21 54 | 1 23 | 8 34 | 16 23 | 11 29 | 11 8 | 5 2 | 15 17 | 1 41 | T 29 |
| W30 | 18 14 | 3n14 | 3 54 | 13 15 | 5 2 | 4 33 | 0 57 | 3 33 | 4 50 | 10 24 | 1 10 | 3 38 | 2 0 | 13 52 | 0 41 | 21 54 | 1 23 | 8 34 | 16 22 | 11 28 | 11 9 | 5 0 | 15 18 | 1 41 | W30 |
| T 31 | 17n59 | 6n59 | 4s33 | 13n23 | 5s 3 | 4n 4 | 0n54 | 3s29 | 4s53 | 10s27 | 1n10 | 3s39 | 2s 0 | 13n51 | 0n41 | 21s54 | 1n23 | 8n33 | 16n22 | 11n28 | 11n11 | 4s59 | 15n18 | 1s41 | T 31 |

Julian Day Number = 2804550.5, Delta T = 51m18s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°16'09, Lahiri = 37°23'10


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# ASTRODIENST EPHEMERIS for the year 2966
# geocentric

## AUGUST 2966 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 20 40 3 | 9♌41'00 | 11♉42 | 6°R56 | 22♍55 | 2♈48 | 0♏26 | 25°R23 | 24♌48 | 27°R39 | 16♎53 | 29°R51 | 0♍37 | 21♓49 | 17♉21 | F 1 |
| S 2 | 20 44 0 | 10°38'18 | 24°11 | 6♌20 | 24° 1 | 3° 4 | 0°33 | 25♓20 | 24°52 | 27♐38 | 16°54 | 29♌50 | 0°34 | 21°55 | 17°22 | S 2 |
| S 3 | 20 47 57 | 11°35'36 | 7♊ 0 | 5°46 | 25° 6 | 3°20 | 0°39 | 25°17 | 24°55 | 27°37 | 16°56 | 29°49 | 0°31 | 22° 2 | 17°23 | S 3 |
| M 4 | 20 51 53 | 12°32'54 | 20°14 | 5°14 | 26°12 | 3°34 | 0°45 | 25°15 | 24°59 | 27°36 | 16°57 | 29°47 | 0°28 | 22° 9 | 17°24 | M 4 |
| T 5 | 20 55 50 | 13°30'14 | 3♋54 | 4°46 | 27°18 | 3°49 | 0°52 | 25°12 | 25° 3 | 27°35 | 16°58 | 29°45 | 0°25 | 22°15 | 17°25 | T 5 |
| W 6 | 20 59 46 | 14°27'34 | 17°59 | 4°23 | 28°23 | 4° 2 | 0°59 | 25° 9 | 25° 6 | 27°34 | 16°59 | 29°43 | 0°22 | 22°22 | 17°26 | W 6 |
| T 7 | 21 3 43 | 15°24'54 | 2♌26 | 4° 3 | 29°28 | 4°15 | 1° 6 | 25° 6 | 25°10 | 27°33 | 17° 1 | 29°41 | 0°18 | 22°29 | 17°27 | T 7 |
| F 8 | 21 7 39 | 16°22'15 | 17°10 | 3°49 | 0♎33 | 4°27 | 1°13 | 25° 3 | 25°14 | 27°32 | 17° 2 | 29°40 | 0°15 | 22°35 | 17°28 | F 8 |
| S 9 | 21 11 36 | 17°19'37 | 2♍ 5 | 3°40 | 1°38 | 4°38 | 1°20 | 25° 0 | 25°17 | 27°31 | 17° 3 | 29°D40 | 0°12 | 22°42 | 17°28 | S 9 |
| S 10 | 21 15 32 | 18°16'59 | 17° 2 | 3°D37 | 2°42 | 4°49 | 1°27 | 24°57 | 25°21 | 27°30 | 17° 5 | 29°40 | 0° 9 | 22°49 | 17°29 | S 10 |
| M11 | 21 19 29 | 19°14'21 | 1♎53 | 3°39 | 3°47 | 4°59 | 1°34 | 24°54 | 25°25 | 27°29 | 17° 6 | 29°41 | 0° 6 | 22°55 | 17°29 | M11 |
| T 12 | 21 23 26 | 20°11'44 | 16°32 | 3°48 | 4°51 | 5° 8 | 1°42 | 24°51 | 25°28 | 27°29 | 17° 8 | 29°42 | 0° 2 | 23° 2 | 17°30 | T 12 |
| W13 | 21 27 22 | 21° 9'08 | 0♏54 | 4° 2 | 5°55 | 5°17 | 1°49 | 24°47 | 25°32 | 27°28 | 17° 9 | 29°43 | 29♌59 | 23° 9 | 17°30 | W13 |
| T 14 | 21 31 19 | 22° 6'31 | 14°57 | 4°23 | 6°58 | 5°24 | 1°57 | 24°44 | 25°36 | 27°27 | 17°10 | 29°43 | 29°56 | 23°15 | 17°31 | T 14 |
| F 15 | 21 35 15 | 23° 3'56 | 28°39 | 4°50 | 8° 2 | 5°31 | 2° 5 | 24°41 | 25°39 | 27°26 | 17°12 | 29°R43 | 29°53 | 23°22 | 17°31 | F 15 |
| S 16 | 21 39 12 | 24° 1'20 | 12♐ 1 | 5°23 | 9° 5 | 5°38 | 2°13 | 24°37 | 25°43 | 27°26 | 17°14 | 29°43 | 29°50 | 23°29 | 17°31 | S 16 |
| S 17 | 21 43 8 | 24°58'46 | 25° 4 | 6° 2 | 10° 8 | 5°43 | 2°21 | 24°33 | 25°47 | 27°25 | 17°15 | 29°42 | 29°47 | 23°35 | 17°32 | S 17 |
| M18 | 21 47 5 | 25°56'12 | 7♑50 | 6°47 | 11°10 | 5°48 | 2°29 | 24°30 | 25°51 | 27°24 | 17°17 | 29°42 | 29°43 | 23°42 | 17°32 | M18 |
| T 19 | 21 51 1 | 26°53'38 | 20°22 | 7°39 | 12°13 | 5°52 | 2°38 | 24°26 | 25°54 | 27°24 | 17°18 | 29°41 | 29°40 | 23°49 | 17°32 | T 19 |
| W20 | 21 54 58 | 27°51'05 | 2♒41 | 8°36 | 13°15 | 5°55 | 2°46 | 24°22 | 25°58 | 27°23 | 17°20 | 29°41 | 29°37 | 23°55 | 17°32 | W20 |
| T 21 | 21 58 55 | 28°48'33 | 14°50 | 9°40 | 14°17 | 5°57 | 2°55 | 24°18 | 26° 2 | 27°22 | 17°22 | 29°41 | 29°34 | 24° 2 | 17°R32 | T 21 |
| F 22 | 22 2 51 | 29°46'02 | 26°50 | 10°49 | 15°18 | 5°59 | 3° 3 | 24°15 | 26° 5 | 27°22 | 17°23 | 29°41 | 29°31 | 24° 9 | 17°32 | F 22 |
| S 23 | 22 6 48 | 0♍43'31 | 8♓45 | 12° 3 | 16°19 | 5°R59 | 3°12 | 24°11 | 26° 9 | 27°21 | 17°25 | 29°41 | 29°28 | 24°15 | 17°32 | S 23 |
| S 24 | 22 10 44 | 1°41'02 | 20°35 | 13°23 | 17°20 | 5°59 | 3°21 | 24° 7 | 26°13 | 27°21 | 17°27 | 29°41 | 29°24 | 24°22 | 17°32 | S 24 |
| M25 | 22 14 41 | 2°38'34 | 2♈23 | 14°49 | 18°21 | 5°58 | 3°30 | 24° 3 | 26°17 | 27°20 | 17°28 | 29°41 | 29°21 | 24°28 | 17°31 | M25 |
| T 26 | 22 18 37 | 3°36'07 | 14°12 | 16°19 | 19°21 | 5°57 | 3°39 | 23°58 | 26°20 | 27°20 | 17°30 | 29°40 | 29°18 | 24°35 | 17°31 | T 26 |
| W27 | 22 22 34 | 4°33'41 | 26° 6 | 17°53 | 20°21 | 5°54 | 3°48 | 23°54 | 26°24 | 27°20 | 17°32 | 29°40 | 29°15 | 24°42 | 17°31 | W27 |
| T 28 | 22 26 30 | 5°31'16 | 8♉ 6 | 19°32 | 21°21 | 5°51 | 3°58 | 23°50 | 26°28 | 27°19 | 17°34 | 29°39 | 29°12 | 24°48 | 17°30 | T 28 |
| F 29 | 22 30 27 | 6°28'53 | 20°18 | 21°14 | 22°20 | 5°47 | 4° 7 | 23°46 | 26°31 | 27°19 | 17°36 | 29°39 | 29° 8 | 24°55 | 17°30 | F 29 |
| S 30 | 22 34 23 | 7°26'32 | 2♊44 | 23° 1 | 23°19 | 5°42 | 4°17 | 23°42 | 26°35 | 27°18 | 17°37 | 29°D38 | 29° 5 | 25° 2 | 17°29 | S 30 |
| S 31 | 22 38 20 | 8♍24'11 | 15♊30 | 24♌50 | 24♎17 | 5♈36 | 4♏26 | 23♓37 | 26♌39 | 27♐18 | 17♎39 | 29♌38 | 29♌ 2 | 25♓ 8 | 17♉29 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 17n44 | 10n30 | 5s 0 | 13n32 | 5s 4 | 3n34 | 0n50 | 3s25 | 4s55 | 10s29 | 1n 9 | 3s40 | 2s 0 | 13n50 | 0n41 | 21s54 | 1n23 | 8n32 | 16n22 | 11n28 | 11n12 | 4s57 | 15n18 | 1s42 | F 1 |
| S 2 | 17 29 | 13 38 | 5 15 | 13 43 | 5 2 | 3 5 | 0 46 | 3 21 | 4 58 | 10 31 | 1 9 | 3 41 | 2 0 | 13 49 | 0 41 | 21 54 | 1 23 | 8 31 | 16 21 | 11 28 | 11 13 | 4 55 | 15 18 | 1 42 | S 2 |
| S 3 | 17 13 | 16 12 | 5 14 | 13 54 | 4 59 | 2 35 | 0 42 | 3 17 | 5 1 | 10 34 | 1 9 | 3 42 | 2 0 | 13 47 | 0 41 | 21 54 | 1 23 | 8 30 | 16 21 | 11 29 | 11 14 | 4 53 | 15 18 | 1 42 | S 3 |
| M 4 | 16 57 | 18 2 | 4 56 | 14 6 | 4 54 | 2 6 | 0 39 | 3 14 | 5 4 | 10 36 | 1 9 | 3 44 | 2 1 | 13 46 | 0 41 | 21 54 | 1 23 | 8 29 | 16 20 | 11 29 | 11 15 | 4 51 | 15 18 | 1 42 | M 4 |
| T 5 | 16 41 | 18 53 | 4 22 | 14 19 | 4 47 | 1 36 | 0 34 | 3 11 | 5 6 | 10 39 | 1 8 | 3 45 | 2 1 | 13 45 | 0 41 | 21 54 | 1 23 | 8 28 | 16 20 | 11 30 | 11 16 | 4 49 | 15 18 | 1 42 | T 5 |
| W 6 | 16 24 | 18 38 | 3 31 | 14 32 | 4 39 | 1 6 | 0 30 | 3 8 | 5 9 | 10 41 | 1 8 | 3 46 | 2 1 | 13 44 | 0 41 | 21 54 | 1 23 | 8 28 | 16 19 | 11 31 | 11 17 | 4 47 | 15 18 | 1 42 | W 6 |
| T 7 | 16 8 | 17 9 | 2 25 | 14 46 | 4 30 | 0 37 | 0 26 | 3 6 | 5 12 | 10 44 | 1 8 | 3 48 | 2 1 | 13 43 | 0 41 | 21 54 | 1 23 | 8 27 | 16 19 | 11 31 | 11 18 | 4 46 | 15 18 | 1 43 | T 7 |
| F 8 | 15 51 | 14 31 | 1 9 | 14 59 | 4 19 | 0 7 | 0 22 | 3 3 | 5 14 | 10 46 | 1 8 | 3 49 | 2 1 | 13 41 | 0 41 | 21 55 | 1 23 | 8 26 | 16 18 | 11 32 | 11 19 | 4 44 | 15 18 | 1 43 | F 8 |
| S 9 | 15 34 | 10 53 | 0n13 | 15 13 | 4 8 | 0s23 | 0 17 | 3 1 | 5 17 | 10 49 | 1 8 | 3 50 | 2 2 | 13 40 | 0 41 | 21 55 | 1 23 | 8 25 | 16 18 | 11 32 | 11 21 | 4 42 | 15 18 | 1 43 | S 9 |
| S 10 | 15 16 | 6 33 | 1 35 | 15 26 | 3 55 | 0 53 | 0 13 | 2 59 | 5 20 | 10 52 | 1 7 | 3 52 | 2 2 | 13 39 | 0 41 | 21 55 | 1 23 | 8 24 | 16 18 | 11 32 | 11 22 | 4 40 | 15 18 | 1 43 | S 10 |
| M11 | 14 58 | 1 51 | 2 49 | 15 38 | 3 41 | 1 22 | 0 8 | 2 58 | 5 22 | 10 54 | 1 7 | 3 53 | 2 2 | 13 38 | 0 41 | 21 55 | 1 23 | 8 23 | 16 17 | 11 31 | 11 23 | 4 38 | 15 18 | 1 43 | M11 |
| T 12 | 14 41 | 2s54 | 3 52 | 15 50 | 3 27 | 1 52 | 0 3 | 2 57 | 5 25 | 10 57 | 1 7 | 3 55 | 2 2 | 13 36 | 0 41 | 21 55 | 1 23 | 8 22 | 16 17 | 11 31 | 11 24 | 4 36 | 15 18 | 1 43 | T 12 |
| W13 | 14 22 | 7 22 | 4 38 | 16 2 | 3 12 | 2 22 | 0s 2 | 2 56 | 5 27 | 11 0 | 1 7 | 3 56 | 2 2 | 13 35 | 0 41 | 21 55 | 1 23 | 8 21 | 16 16 | 11 31 | 11 25 | 4 34 | 15 18 | 1 44 | W13 |
| T 14 | 14 4 | 11 20 | 5 7 | 16 12 | 2 57 | 2 51 | 0 7 | 2 55 | 5 30 | 11 3 | 1 7 | 3 58 | 2 3 | 13 34 | 0 41 | 21 55 | 1 23 | 8 21 | 16 16 | 11 31 | 11 26 | 4 32 | 15 18 | 1 44 | T 14 |
| F 15 | 13 45 | 14 35 | 5 17 | 16 21 | 2 41 | 3 21 | 0 12 | 2 54 | 5 32 | 11 6 | 1 6 | 3 59 | 2 3 | 13 33 | 0 41 | 21 55 | 1 23 | 8 20 | 16 16 | 11 31 | 11 27 | 4 31 | 15 18 | 1 44 | F 15 |
| S 16 | 13 27 | 16 59 | 5 10 | 16 28 | 2 25 | 3 50 | 0 17 | 2 54 | 5 34 | 11 9 | 1 6 | 4 1 | 2 3 | 13 31 | 0 41 | 21 55 | 1 22 | 8 19 | 16 15 | 11 31 | 11 28 | 4 29 | 15 18 | 1 44 | S 16 |
| S 17 | 13 8 | 18 26 | 4 47 | 16 35 | 2 9 | 4 20 | 0 22 | 2 54 | 5 37 | 11 12 | 1 6 | 4 2 | 2 3 | 13 30 | 0 41 | 21 55 | 1 22 | 8 18 | 16 15 | 11 31 | 11 29 | 4 27 | 15 18 | 1 44 | S 17 |
| M18 | 12 48 | 18 55 | 4 10 | 16 39 | 1 53 | 4 49 | 0 27 | 2 54 | 5 39 | 11 15 | 1 6 | 4 4 | 2 3 | 13 29 | 0 41 | 21 55 | 1 22 | 8 17 | 16 15 | 11 31 | 11 31 | 4 25 | 15 18 | 1 45 | M18 |
| T 19 | 12 29 | 18 27 | 3 22 | 16 42 | 1 37 | 5 18 | 0 32 | 2 54 | 5 41 | 11 18 | 1 6 | 4 5 | 2 3 | 13 28 | 0 41 | 21 55 | 1 22 | 8 16 | 16 14 | 11 31 | 11 32 | 4 23 | 15 18 | 1 45 | T 19 |
| W20 | 12 9 | 17 7 | 2 25 | 16 43 | 1 21 | 5 47 | 0 38 | 2 55 | 5 43 | 11 21 | 1 5 | 4 7 | 2 4 | 13 26 | 0 41 | 21 55 | 1 22 | 8 15 | 16 14 | 11 31 | 11 33 | 4 21 | 15 18 | 1 45 | W20 |
| T 21 | 11 50 | 15 0 | 1 22 | 16 41 | 1 5 | 6 16 | 0 43 | 2 56 | 5 45 | 11 24 | 1 5 | 4 9 | 2 4 | 13 25 | 0 41 | 21 55 | 1 22 | 8 14 | 16 13 | 11 31 | 11 34 | 4 19 | 15 17 | 1 45 | T 21 |
| F 22 | 11 30 | 12 15 | 0 16 | 16 38 | 0 50 | 6 45 | 0 49 | 2 57 | 5 47 | 11 27 | 1 5 | 4 10 | 2 4 | 13 24 | 0 41 | 21 55 | 1 22 | 8 13 | 16 13 | 11 31 | 11 35 | 4 17 | 15 17 | 1 45 | F 22 |
| S 23 | 11 9 | 9 1 | 0s50 | 16 32 | 0 35 | 7 14 | 0 55 | 2 59 | 5 49 | 11 30 | 1 5 | 4 12 | 2 4 | 13 23 | 0 41 | 21 55 | 1 22 | 8 12 | 16 13 | 11 31 | 11 36 | 4 16 | 15 17 | 1 45 | S 23 |
| S 24 | 10 49 | 5 27 | 1 54 | 16 23 | 0 20 | 7 42 | 1 0 | 3 0 | 5 51 | 11 33 | 1 5 | 4 14 | 2 4 | 13 21 | 0 41 | 21 55 | 1 22 | 8 11 | 16 12 | 11 31 | 11 37 | 4 14 | 15 17 | 1 46 | S 24 |
| M25 | 10 29 | 1 41 | 2 52 | 16 12 | 0 6 | 8 11 | 1 6 | 3 2 | 5 52 | 11 36 | 1 4 | 4 16 | 2 4 | 13 20 | 0 41 | 21 55 | 1 22 | 8 10 | 16 12 | 11 31 | 11 38 | 4 12 | 15 17 | 1 46 | M25 |
| T 26 | 10 8 | 2n 9 | 3 43 | 15 58 | 0n 7 | 8 39 | 1 12 | 3 4 | 5 54 | 11 40 | 1 4 | 4 17 | 2 5 | 13 19 | 0 41 | 21 55 | 1 22 | 8 9 | 16 12 | 11 32 | 11 39 | 4 10 | 15 16 | 1 46 | T 26 |
| W27 | 9 47 | 5 54 | 4 25 | 15 42 | 0 19 | 9 7 | 1 18 | 3 7 | 5 55 | 11 43 | 1 4 | 4 19 | 2 5 | 13 18 | 0 41 | 21 55 | 1 22 | 8 8 | 16 11 | 11 32 | 11 40 | 4 8 | 15 16 | 1 46 | W27 |
| T 28 | 9 26 | 9 28 | 4 55 | 15 23 | 0 31 | 9 35 | 1 24 | 3 9 | 5 57 | 11 46 | 1 4 | 4 21 | 2 5 | 13 16 | 0 41 | 21 55 | 1 22 | 8 7 | 16 11 | 11 32 | 11 42 | 4 6 | 15 16 | 1 46 | T 28 |
| F 29 | 9 5 | 12 41 | 5 13 | 15 1 | 0 42 | 10 3 | 1 30 | 3 12 | 5 58 | 11 49 | 1 4 | 4 23 | 2 5 | 13 15 | 0 41 | 21 55 | 1 22 | 8 6 | 16 11 | 11 32 | 11 43 | 4 4 | 15 16 | 1 46 | F 29 |
| S 30 | 8 44 | 15 25 | 5 17 | 14 36 | 0 53 | 10 30 | 1 37 | 3 15 | 5 59 | 11 53 | 1 4 | 4 24 | 2 5 | 13 14 | 0 41 | 21 55 | 1 22 | 8 6 | 16 10 | 11 32 | 11 44 | 4 2 | 15 15 | 1 47 | S 30 |
| S 31 | 8n23 | 17n28 | 5s 5 | 14n 9 | 1n 2 | 10s58 | 1s43 | 3s18 | 6s 0 | 11s56 | 1n 3 | 4s26 | 2s 5 | 13n13 | 0n41 | 21s55 | 1n22 | 8n 5 | 16n10 | 11n32 | 11n45 | 4s 0 | 15n15 | 1s47 | S 31 |

Julian Day Number = 2804581.5, Delta T = 51m18s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°16'14, Lahiri = 37°23'14


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# ASTRODIENST EPHEMERIS for the year 2966
# geocentric

## SEPTEMBER 2966 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 22 42 17 | 9♍21'53 | 28♊39 | 26♌42 | 25♎16 | 5°R30 | 4♏36 | 23°R33 | 26♌42 | 27°R18 | 17♎41 | 29♌39 | 28♌59 | 25♓15 | 17°R28 | M 1 |
| T 2 | 22 46 13 | 10°19'36 | 12♋12 | 28°36 | 26°13 | 5♈22 | 4°46 | 23♓29 | 26°46 | 27♐18 | 17°43 | 29°39 | 28°56 | 25°22 | 17♉28 | T 2 |
| W 3 | 22 50 10 | 11°17'20 | 26°13 | 0♍32 | 27°11 | 5°14 | 4°56 | 23°24 | 26°49 | 27°18 | 17°45 | 29°40 | 28°53 | 25°28 | 17°27 | W 3 |
| T 4 | 22 54 6 | 12°15'06 | 10♌39 | 2°30 | 28° 7 | 5° 6 | 5° 6 | 23°20 | 26°53 | 27°17 | 17°47 | 29°41 | 28°49 | 25°35 | 17°26 | T 4 |
| F 5 | 22 58 3 | 13°12'53 | 25°27 | 4°29 | 29° 4 | 4°56 | 5°16 | 23°15 | 26°57 | 27°17 | 17°49 | 29°R42 | 28°46 | 25°42 | 17°25 | F 5 |
| S 6 | 23 1 59 | 14°10'42 | 10♍31 | 6°29 | 29°59 | 4°46 | 5°26 | 23°11 | 27° 0 | 27°17 | 17°51 | 29°42 | 28°43 | 25°48 | 17°24 | S 6 |
| S 7 | 23 5 56 | 15° 8'32 | 25°42 | 8°29 | 0♏55 | 4°35 | 5°36 | 23° 6 | 27° 4 | 27°17 | 17°53 | 29°41 | 28°40 | 25°55 | 17°24 | S 7 |
| M 8 | 23 9 52 | 16° 6'23 | 10♎50 | 10°29 | 1°50 | 4°24 | 5°46 | 23° 2 | 27° 7 | 27°D17 | 17°55 | 29°39 | 28°37 | 26° 2 | 17°23 | M 8 |
| T 9 | 23 13 49 | 17° 4'15 | 25°48 | 12°29 | 2°45 | 4°12 | 5°57 | 22°57 | 27°11 | 27°17 | 17°57 | 29°37 | 28°33 | 26° 8 | 17°22 | T 9 |
| W10 | 23 17 46 | 18° 2'09 | 10♏26 | 14°29 | 3°39 | 3°59 | 6° 7 | 22°53 | 27°15 | 27°17 | 17°59 | 29°35 | 28°30 | 26°15 | 17°20 | W10 |
| T 11 | 23 21 42 | 19° 0'04 | 24°40 | 16°28 | 4°32 | 3°46 | 6°18 | 22°48 | 27°18 | 27°17 | 18° 1 | 29°33 | 28°27 | 26°22 | 17°19 | T 11 |
| F 12 | 23 25 39 | 19°58'00 | 8♐28 | 18°27 | 5°25 | 3°33 | 6°29 | 22°44 | 27°22 | 27°17 | 18° 3 | 29°32 | 28°24 | 26°28 | 17°18 | F 12 |
| S 13 | 23 29 35 | 20°55'58 | 21°50 | 20°25 | 6°17 | 3°19 | 6°39 | 22°39 | 27°25 | 27°18 | 18° 5 | 29°D31 | 28°21 | 26°35 | 17°17 | S 13 |
| S 14 | 23 33 32 | 21°53'56 | 4♑48 | 22°22 | 7° 9 | 3° 4 | 6°50 | 22°35 | 27°29 | 27°18 | 18° 7 | 29°32 | 28°18 | 26°42 | 17°16 | S 14 |
| M15 | 23 37 28 | 22°51'56 | 17°25 | 24°18 | 8° 0 | 2°49 | 7° 1 | 22°30 | 27°32 | 27°18 | 18° 9 | 29°33 | 28°14 | 26°48 | 17°14 | M15 |
| T 16 | 23 41 25 | 23°49'57 | 29°46 | 26°13 | 8°50 | 2°34 | 7°12 | 22°26 | 27°35 | 27°18 | 18°11 | 29°35 | 28°11 | 26°55 | 17°13 | T 16 |
| W17 | 23 45 21 | 24°48'00 | 11♒53 | 28° 6 | 9°40 | 2°19 | 7°23 | 22°21 | 27°39 | 27°18 | 18°14 | 29°36 | 28° 8 | 27° 2 | 17°12 | W17 |
| T 18 | 23 49 18 | 25°46'04 | 23°52 | 29°59 | 10°29 | 2° 3 | 7°34 | 22°16 | 27°42 | 27°19 | 18°16 | 29°R37 | 28° 5 | 27° 8 | 17°10 | T 18 |
| F 19 | 23 53 15 | 26°44'09 | 5♓44 | 1♎50 | 11°17 | 1°47 | 7°45 | 22°12 | 27°46 | 27°19 | 18°18 | 29°37 | 28° 2 | 27°15 | 17° 9 | F 19 |
| S 20 | 23 57 11 | 27°42'16 | 17°34 | 3°41 | 12° 5 | 1°31 | 7°57 | 22° 7 | 27°49 | 27°20 | 18°20 | 29°36 | 27°59 | 27°22 | 17° 7 | S 20 |
| S 21 | 0 1 8 | 28°40'24 | 29°22 | 5°30 | 12°51 | 1°15 | 8° 8 | 22° 3 | 27°52 | 27°20 | 18°22 | 29°33 | 27°55 | 27°28 | 17° 5 | S 21 |
| M22 | 0 5 4 | 29°38'35 | 11♈12 | 7°17 | 13°37 | 0°59 | 8°19 | 21°58 | 27°56 | 27°20 | 18°24 | 29°29 | 27°52 | 27°35 | 17° 4 | M22 |
| T 23 | 0 9 1 | 0♎36'46 | 23° 6 | 9° 4 | 14°22 | 0°43 | 8°31 | 21°54 | 27°59 | 27°21 | 18°27 | 29°24 | 27°49 | 27°42 | 17° 2 | T 23 |
| W24 | 0 12 57 | 1°35'00 | 5♉ 4 | 10°50 | 15° 6 | 0°26 | 8°42 | 21°49 | 28° 2 | 27°21 | 18°29 | 29°18 | 27°46 | 27°48 | 17° 0 | W24 |
| T 25 | 0 16 54 | 2°33'15 | 17°10 | 12°34 | 15°49 | 0°10 | 8°54 | 21°45 | 28° 5 | 27°22 | 18°31 | 29°12 | 27°43 | 27°55 | 16°58 | T 25 |
| F 26 | 0 20 50 | 3°31'33 | 29°26 | 14°17 | 16°31 | 29♓54 | 9° 5 | 21°41 | 28° 8 | 27°22 | 18°33 | 29° 7 | 27°39 | 28° 2 | 16°57 | F 26 |
| S 27 | 0 24 47 | 4°29'52 | 11♊55 | 15°59 | 17°12 | 29°39 | 9°17 | 21°36 | 28°12 | 27°23 | 18°36 | 29° 4 | 27°36 | 28° 8 | 16°55 | S 27 |
| S 28 | 0 28 43 | 5°28'14 | 24°39 | 17°40 | 17°52 | 29°23 | 9°29 | 21°32 | 28°15 | 27°24 | 18°38 | 29° 2 | 27°33 | 28°15 | 16°53 | S 28 |
| M29 | 0 32 40 | 6°26'38 | 7♋43 | 19°20 | 18°31 | 29° 8 | 9°41 | 21°27 | 28°18 | 27°24 | 18°40 | 29°D 1 | 27°30 | 28°22 | 16°51 | M29 |
| T 30 | 0 36 37 | 7♎25'03 | 21♋ 8 | 20♎59 | 19♏ 9 | 28♓52 | 9♏53 | 21♓23 | 28♌21 | 27♐25 | 18♎42 | 29♌ 2 | 27♌27 | 28♓28 | 16♉49 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 8n 1 | 18n41 | 4s38 | 13n39 | 1n10 | 11s25 | 1s49 | 3s21 | 6s 1 | 12s 0 | 1n 3 | 4s28 | 2s 5 | 13n12 | 0n41 | 21s55 | 1n22 | 8n 4 | 16n10 | 11n32 | 11n46 | 3s58 | 15n15 | 1s47 |
| T 2 | 7 39 | 18 52 | 3 54 | 13 7 | 1 18 | 11 52 | 1 56 | 3 25 | 6 2 | 12 3 | 1 3 | 4 30 | 2 5 | 13 10 | 0 41 | 21 55 | 1 22 | 8 3 | 16 10 | 11 32 | 11 47 | 3 57 | 15 14 | 1 47 |
| W 3 | 7 18 | 17 56 | 2 55 | 12 32 | 1 25 | 12 19 | 2 2 | 3 29 | 6 2 | 12 6 | 1 3 | 4 32 | 2 6 | 13 9 | 0 41 | 21 55 | 1 22 | 8 2 | 16 9 | 11 32 | 11 48 | 3 55 | 15 14 | 1 47 |
| T 4 | 6 56 | 15 49 | 1 44 | 11 56 | 1 30 | 12 45 | 2 8 | 3 33 | 6 3 | 12 10 | 1 3 | 4 34 | 2 6 | 13 8 | 0 41 | 21 56 | 1 22 | 8 1 | 16 9 | 11 31 | 11 49 | 3 53 | 15 13 | 1 48 |
| F 5 | 6 34 | 12 36 | 0 24 | 11 17 | 1 35 | 13 11 | 2 15 | 3 37 | 6 3 | 12 13 | 1 3 | 4 35 | 2 6 | 13 7 | 0 41 | 21 56 | 1 22 | 8 0 | 16 9 | 11 31 | 11 50 | 3 51 | 15 13 | 1 48 |
| S 6 | 6 12 | 8 30 | 1n 0 | 10 37 | 1 39 | 13 37 | 2 22 | 3 41 | 6 3 | 12 17 | 1 2 | 4 37 | 2 6 | 13 5 | 0 41 | 21 56 | 1 21 | 7 59 | 16 9 | 11 31 | 11 52 | 3 49 | 15 13 | 1 48 |
| S 7 | 5 49 | 3 50 | 2 19 | 9 55 | 1 42 | 14 3 | 2 28 | 3 45 | 6 3 | 12 20 | 1 2 | 4 39 | 2 6 | 13 4 | 0 41 | 21 56 | 1 21 | 7 58 | 16 8 | 11 31 | 11 53 | 3 47 | 15 12 | 1 48 |
| M 8 | 5 27 | 1s 4 | 3 29 | 9 12 | 1 44 | 14 28 | 2 35 | 3 49 | 6 3 | 12 24 | 1 2 | 4 41 | 2 6 | 13 3 | 0 41 | 21 56 | 1 21 | 7 57 | 16 8 | 11 32 | 11 54 | 3 45 | 15 12 | 1 48 |
| T 9 | 5 5 | 5 50 | 4 23 | 8 28 | 1 45 | 14 54 | 2 42 | 3 54 | 6 3 | 12 28 | 1 2 | 4 43 | 2 6 | 13 2 | 0 41 | 21 56 | 1 21 | 7 56 | 16 8 | 11 33 | 11 55 | 3 43 | 15 11 | 1 48 |
| W10 | 4 42 | 10 8 | 4 59 | 7 42 | 1 46 | 15 18 | 2 48 | 3 58 | 6 2 | 12 31 | 1 2 | 4 45 | 2 6 | 13 1 | 0 41 | 21 56 | 1 21 | 7 55 | 16 8 | 11 34 | 11 56 | 3 41 | 15 11 | 1 49 |
| T 11 | 4 20 | 13 44 | 5 15 | 6 56 | 1 46 | 15 43 | 2 55 | 4 3 | 6 2 | 12 35 | 1 2 | 4 46 | 2 6 | 12 59 | 0 41 | 21 56 | 1 21 | 7 54 | 16 7 | 11 34 | 11 57 | 3 39 | 15 10 | 1 49 |
| F 12 | 3 57 | 16 28 | 5 12 | 6 9 | 1 45 | 16 7 | 3 2 | 4 8 | 6 1 | 12 38 | 1 1 | 4 48 | 2 6 | 12 58 | 0 41 | 21 56 | 1 21 | 7 53 | 16 7 | 11 35 | 11 58 | 3 37 | 15 10 | 1 49 |
| S 13 | 3 35 | 18 12 | 4 52 | 5 22 | 1 43 | 16 31 | 3 9 | 4 12 | 6 0 | 12 42 | 1 1 | 4 50 | 2 6 | 12 57 | 0 41 | 21 56 | 1 21 | 7 52 | 16 7 | 11 35 | 11 59 | 3 36 | 15 9 | 1 49 |
| S 14 | 3 12 | 18 56 | 4 18 | 4 34 | 1 41 | 16 55 | 3 16 | 4 17 | 5 59 | 12 46 | 1 1 | 4 52 | 2 6 | 12 56 | 0 41 | 21 56 | 1 21 | 7 51 | 16 7 | 11 35 | 12 0 | 3 34 | 15 9 | 1 49 |
| M15 | 2 49 | 18 41 | 3 32 | 3 46 | 1 38 | 17 18 | 3 23 | 4 21 | 5 57 | 12 49 | 1 1 | 4 54 | 2 6 | 12 55 | 0 41 | 21 56 | 1 21 | 7 50 | 16 7 | 11 34 | 12 1 | 3 32 | 15 8 | 1 49 |
| T 16 | 2 26 | 17 32 | 2 37 | 2 58 | 1 35 | 17 41 | 3 30 | 4 26 | 5 56 | 12 53 | 1 1 | 4 56 | 2 7 | 12 54 | 0 41 | 21 56 | 1 21 | 7 49 | 16 6 | 11 34 | 12 2 | 3 30 | 15 8 | 1 50 |
| W17 | 2 3 | 15 36 | 1 36 | 2 9 | 1 32 | 18 4 | 3 37 | 4 30 | 5 54 | 12 57 | 1 1 | 4 58 | 2 7 | 12 52 | 0 41 | 21 56 | 1 21 | 7 48 | 16 6 | 11 33 | 12 4 | 3 28 | 15 7 | 1 50 |
| T 18 | 1 40 | 13 0 | 0 32 | 1 21 | 1 28 | 18 26 | 3 44 | 4 35 | 5 52 | 13 0 | 1 1 | 4 59 | 2 7 | 12 51 | 0 41 | 21 56 | 1 21 | 7 47 | 16 6 | 11 33 | 12 5 | 3 26 | 15 7 | 1 50 |
| F 19 | 1 17 | 9 53 | 0s34 | 0 33 | 1 23 | 18 48 | 3 51 | 4 39 | 5 50 | 13 4 | 1 0 | 5 1 | 2 7 | 12 50 | 0 41 | 21 56 | 1 21 | 7 46 | 16 6 | 11 33 | 12 6 | 3 24 | 15 6 | 1 50 |
| S 20 | 0 54 | 6 23 | 1 37 | 0s15 | 1 18 | 19 9 | 3 58 | 4 44 | 5 48 | 13 8 | 1 0 | 5 3 | 2 7 | 12 49 | 0 41 | 21 56 | 1 21 | 7 46 | 16 6 | 11 33 | 12 7 | 3 22 | 15 6 | 1 50 |
| S 21 | 0 31 | 2 38 | 2 36 | 1 3 | 1 13 | 19 30 | 4 5 | 4 48 | 5 46 | 13 12 | 1 0 | 5 5 | 2 7 | 12 48 | 0 41 | 21 56 | 1 21 | 7 45 | 16 6 | 11 34 | 12 8 | 3 20 | 15 5 | 1 50 |
| M22 | 0 8 | 1n13 | 3 28 | 1 51 | 1 8 | 19 51 | 4 12 | 4 52 | 5 43 | 13 15 | 1 0 | 5 7 | 2 7 | 12 47 | 0 42 | 21 56 | 1 21 | 7 44 | 16 5 | 11 36 | 12 9 | 3 18 | 15 4 | 1 51 |
| T 23 | 0s15 | 5 2 | 4 12 | 2 38 | 1 2 | 20 11 | 4 19 | 4 56 | 5 40 | 13 19 | 1 0 | 5 8 | 2 7 | 12 46 | 0 42 | 21 57 | 1 21 | 7 43 | 16 5 | 11 37 | 12 10 | 3 16 | 15 4 | 1 51 |
| W24 | 0 38 | 8 40 | 4 45 | 3 24 | 0 56 | 20 31 | 4 26 | 4 59 | 5 38 | 13 23 | 1 0 | 5 10 | 2 7 | 12 45 | 0 42 | 21 57 | 1 21 | 7 42 | 16 5 | 11 39 | 12 11 | 3 14 | 15 3 | 1 51 |
| T 25 | 1 1 | 11 59 | 5 5 | 4 11 | 0 50 | 20 50 | 4 33 | 5 3 | 5 35 | 13 27 | 1 0 | 5 12 | 2 7 | 12 44 | 0 42 | 21 57 | 1 20 | 7 41 | 16 5 | 11 41 | 12 12 | 3 12 | 15 2 | 1 51 |
| F 26 | 1 24 | 14 51 | 5 12 | 4 56 | 0 43 | 21 9 | 4 40 | 5 6 | 5 31 | 13 31 | 1 0 | 5 14 | 2 7 | 12 42 | 0 42 | 21 57 | 1 20 | 7 40 | 16 5 | 11 43 | 12 13 | 3 10 | 15 2 | 1 51 |
| S 27 | 1 47 | 17 5 | 5 4 | 5 42 | 0 36 | 21 28 | 4 47 | 5 10 | 5 28 | 13 34 | 0 59 | 5 15 | 2 7 | 12 41 | 0 42 | 21 57 | 1 20 | 7 39 | 16 5 | 11 44 | 12 14 | 3 9 | 15 1 | 1 51 |
| S 28 | 2 10 | 18 31 | 4 41 | 6 27 | 0 30 | 21 46 | 4 54 | 5 13 | 5 24 | 13 38 | 0 59 | 5 17 | 2 7 | 12 40 | 0 42 | 21 57 | 1 20 | 7 38 | 16 5 | 11 45 | 12 16 | 3 7 | 15 0 | 1 51 |
| M29 | 2 33 | 19 2 | 4 4 | 7 11 | 0 23 | 22 4 | 5 1 | 5 15 | 5 21 | 13 42 | 0 59 | 5 19 | 2 7 | 12 39 | 0 42 | 21 57 | 1 20 | 7 37 | 16 5 | 11 45 | 12 17 | 3 5 | 15 0 | 1 52 |
| T 30 | 2s56 | 18n30 | 3s12 | 7s54 | 0n16 | 22s21 | 5s 8 | 5s18 | 5s17 | 13s46 | 0n59 | 5s21 | 2s 7 | 12n38 | 0n42 | 21s57 | 1n20 | 7n36 | 16n 5 | 11n45 | 12n18 | 3s 3 | 14n59 | 1s52 |

Julian Day Number = 2804612.5, Delta T = 51m19s
Ecliptic obliquity = 23°18'43, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°16'18, Lahiri = 37°23'18


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# ASTRODIENST EPHEMERIS for the year 2966
# geocentric

## OCTOBER 2966 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 0 40 33 | 8♎23'31 | 4♌57 | 22♎37 | 19♏45 | 28°R38 | 10♏ 5 | 21°R19 | 28♌24 | 27♐26 | 18♎45 | 29♌ 3 | 27♌24 | 28♓35 | 16°R47 | W 1 |
| T 2 | 0 44 30 | 9°22'01 | 19°12 | 24°13 | 20°21 | 28♓23 | 10°17 | 21♓15 | 28°27 | 27°26 | 18°47 | 29° 4 | 27°20 | 28°42 | 16♉45 | T 2 |
| F 3 | 0 48 26 | 10°20'33 | 3♍50 | 25°49 | 20°55 | 28° 9 | 10°29 | 21°10 | 28°30 | 27°27 | 18°49 | 29°R 4 | 27°17 | 28°48 | 16°43 | F 3 |
| S 4 | 0 52 23 | 11°19'07 | 18°47 | 27°23 | 21°28 | 27°56 | 10°41 | 21° 6 | 28°33 | 27°28 | 18°51 | 29° 3 | 27°14 | 28°55 | 16°40 | S 4 |
| S 5 | 0 56 19 | 12°17'43 | 3♎57 | 28°57 | 21°59 | 27°43 | 10°53 | 21° 2 | 28°36 | 27°29 | 18°54 | 29° 0 | 27°11 | 29° 2 | 16°38 | S 5 |
| M 6 | 1 0 16 | 13°16'20 | 19°10 | 0♏30 | 22°29 | 27°31 | 11° 5 | 20°58 | 28°39 | 27°30 | 18°56 | 28°54 | 27° 8 | 29° 8 | 16°36 | M 6 |
| T 7 | 1 4 12 | 14°15'00 | 4♏16 | 2° 1 | 22°58 | 27°19 | 11°17 | 20°54 | 28°42 | 27°31 | 18°58 | 28°48 | 27° 4 | 29°15 | 16°34 | T 7 |
| W 8 | 1 8 9 | 15°13'42 | 19° 5 | 3°32 | 23°25 | 27° 8 | 11°29 | 20°50 | 28°45 | 27°32 | 19° 1 | 28°41 | 27° 1 | 29°22 | 16°31 | W 8 |
| T 9 | 1 12 6 | 16°12'25 | 3♐30 | 5° 1 | 23°50 | 26°57 | 11°42 | 20°46 | 28°47 | 27°33 | 19° 3 | 28°34 | 26°58 | 29°28 | 16°29 | T 9 |
| F 10 | 1 16 2 | 17°11'10 | 17°26 | 6°30 | 24°14 | 26°47 | 11°54 | 20°42 | 28°50 | 27°34 | 19° 5 | 28°29 | 26°55 | 29°35 | 16°27 | F 10 |
| S 11 | 1 19 59 | 18° 9'57 | 0♑54 | 7°58 | 24°36 | 26°38 | 12° 7 | 20°39 | 28°53 | 27°35 | 19° 7 | 28°25 | 26°52 | 29°42 | 16°24 | S 11 |
| S 12 | 1 23 55 | 19° 8'45 | 13°54 | 9°24 | 24°57 | 26°29 | 12°19 | 20°35 | 28°56 | 27°36 | 19°10 | 28°D24 | 26°49 | 29°48 | 16°22 | S 12 |
| M13 | 1 27 52 | 20° 7'35 | 26°30 | 10°50 | 25°15 | 26°22 | 12°31 | 20°31 | 28°58 | 27°37 | 19°12 | 28°24 | 26°45 | 29°55 | 16°19 | M13 |
| T 14 | 1 31 48 | 21° 6'26 | 8♒47 | 12°14 | 25°31 | 26°14 | 12°44 | 20°28 | 29° 1 | 27°38 | 19°14 | 28°25 | 26°42 | 0♈ 2 | 16°17 | T 14 |
| W15 | 1 35 45 | 22° 5'20 | 20°49 | 13°38 | 25°46 | 26° 8 | 12°57 | 20°24 | 29° 3 | 27°39 | 19°17 | 28°26 | 26°39 | 0° 8 | 16°14 | W15 |
| T 16 | 1 39 41 | 23° 4'15 | 2♓43 | 15° 0 | 25°58 | 26° 3 | 13° 9 | 20°21 | 29° 6 | 27°40 | 19°19 | 28°R26 | 26°36 | 0°15 | 16°12 | T 16 |
| F 17 | 1 43 38 | 24° 3'11 | 14°32 | 16°21 | 26° 9 | 25°58 | 13°22 | 20°17 | 29° 9 | 27°42 | 19°21 | 28°24 | 26°33 | 0°22 | 16° 9 | F 17 |
| S 18 | 1 47 35 | 25° 2'10 | 26°19 | 17°41 | 26°17 | 25°54 | 13°34 | 20°14 | 29°11 | 27°43 | 19°24 | 28°20 | 26°30 | 0°28 | 16° 7 | S 18 |
| S 19 | 1 51 31 | 26° 1'10 | 8♈ 9 | 19° 0 | 26°23 | 25°51 | 13°47 | 20°11 | 29°13 | 27°44 | 19°26 | 28°14 | 26°26 | 0°35 | 16° 4 | S 19 |
| M20 | 1 55 28 | 27° 0'12 | 20° 4 | 20°18 | 26°26 | 25°49 | 14° 0 | 20° 7 | 29°16 | 27°45 | 19°28 | 28° 5 | 26°23 | 0°42 | 16° 1 | M20 |
| T 21 | 1 59 24 | 27°59'16 | 2♉ 5 | 21°34 | 26°R28 | 25°47 | 14°13 | 20° 4 | 29°18 | 27°47 | 19°30 | 27°55 | 26°20 | 0°48 | 15°59 | T 21 |
| W22 | 2 3 21 | 28°58'23 | 14°14 | 22°49 | 26°27 | 25°D46 | 14°25 | 20° 1 | 29°20 | 27°48 | 19°33 | 27°43 | 26°17 | 0°55 | 15°56 | W22 |
| T 23 | 2 7 17 | 29°57'31 | 26°32 | 24° 2 | 26°24 | 25°46 | 14°38 | 19°58 | 29°23 | 27°49 | 19°35 | 27°32 | 26°14 | 1° 2 | 15°53 | T 23 |
| F 24 | 2 11 14 | 0♏56'41 | 8♊59 | 25°13 | 26°18 | 25°47 | 14°51 | 19°55 | 29°25 | 27°51 | 19°37 | 27°21 | 26°10 | 1° 8 | 15°50 | F 24 |
| S 25 | 2 15 10 | 1°55'54 | 21°37 | 26°23 | 26°10 | 25°49 | 15° 4 | 19°53 | 29°27 | 27°52 | 19°40 | 27°13 | 26° 7 | 1°15 | 15°48 | S 25 |
| S 26 | 2 19 7 | 2°55'09 | 4♋28 | 27°31 | 25°59 | 25°51 | 15°17 | 19°50 | 29°29 | 27°54 | 19°42 | 27° 7 | 26° 4 | 1°22 | 15°45 | S 26 |
| M27 | 2 23 3 | 3°54'26 | 17°33 | 28°37 | 25°46 | 25°54 | 15°30 | 19°47 | 29°31 | 27°55 | 19°44 | 27° 3 | 26° 1 | 1°28 | 15°42 | M27 |
| T 28 | 2 27 0 | 4°53'45 | 0♌54 | 29°41 | 25°31 | 25°58 | 15°43 | 19°45 | 29°33 | 27°57 | 19°46 | 27°D 2 | 25°58 | 1°35 | 15°39 | T 28 |
| W29 | 2 30 57 | 5°53'07 | 14°34 | 0♐42 | 25°13 | 26° 3 | 15°55 | 19°42 | 29°35 | 27°58 | 19°49 | 27° 2 | 25°55 | 1°42 | 15°37 | W29 |
| T 30 | 2 34 53 | 6°52'31 | 28°35 | 1°41 | 24°53 | 26° 8 | 16° 8 | 19°40 | 29°37 | 28° 0 | 19°51 | 27°R 3 | 25°51 | 1°48 | 15°34 | T 30 |
| F 31 | 2 38 50 | 7♏51'57 | 12♍56 | 2♐36 | 24♏31 | 26♓14 | 16♏21 | 19♓38 | 29♌39 | 28♐ 1 | 19♎53 | 27♌ 2 | 25♌48 | 1♈55 | 15♉31 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 3s19 | 16n52 | 2s 7 | 8s37 | 0n 8 | 22s37 | 5s14 | 5s20 | 5s13 | 13s50 | 0n59 | 5s22 | 2s 7 | 12n37 | 0n42 | 21s57 | 1n20 | 7n36 | 16n 5 | 11n45 | 12n19 | 3s 1 | 14n58 | 1s52 |
| T 2 | 3 42 | 14 8 | 0 54 | 9 20 | 0 1 | 22 53 | 5 21 | 5 22 | 5 9 | 13 53 | 0 59 | 5 24 | 2 7 | 12 36 | 0 42 | 21 57 | 1 20 | 7 35 | 16 5 | 11 44 | 12 20 | 2 59 | 14 58 | 1 52 |
| F 3 | 4 4 | 10 27 | 0n26 | 10 1 | 0s 6 | 23 9 | 5 27 | 5 24 | 5 5 | 13 57 | 0 59 | 5 25 | 2 7 | 12 35 | 0 42 | 21 57 | 1 20 | 7 34 | 16 5 | 11 44 | 12 21 | 2 57 | 14 57 | 1 52 |
| S 4 | 4 27 | 6 2 | 1 45 | 10 42 | 0 14 | 23 24 | 5 34 | 5 25 | 5 1 | 14 1 | 0 59 | 5 27 | 2 7 | 12 34 | 0 42 | 21 57 | 1 20 | 7 33 | 16 4 | 11 45 | 12 22 | 2 55 | 14 56 | 1 52 |
| S 5 | 4 50 | 1 9 | 2 58 | 11 22 | 0 21 | 23 39 | 5 40 | 5 26 | 4 56 | 14 5 | 0 59 | 5 29 | 2 7 | 12 33 | 0 42 | 21 57 | 1 20 | 7 32 | 16 4 | 11 46 | 12 23 | 2 53 | 14 55 | 1 53 |
| M 6 | 5 13 | 3s48 | 3 58 | 12 2 | 0 29 | 23 53 | 5 47 | 5 27 | 4 52 | 14 9 | 0 58 | 5 30 | 2 7 | 12 32 | 0 42 | 21 57 | 1 20 | 7 31 | 16 4 | 11 48 | 12 24 | 2 51 | 14 55 | 1 53 |
| T 7 | 5 35 | 8 28 | 4 41 | 12 41 | 0 36 | 24 6 | 5 53 | 5 28 | 4 47 | 14 13 | 0 58 | 5 32 | 2 7 | 12 31 | 0 42 | 21 57 | 1 20 | 7 30 | 16 4 | 11 50 | 12 25 | 2 49 | 14 54 | 1 53 |
| W 8 | 5 58 | 12 31 | 5 4 | 13 19 | 0 44 | 24 19 | 5 59 | 5 28 | 4 43 | 14 17 | 0 58 | 5 33 | 2 7 | 12 30 | 0 42 | 21 58 | 1 20 | 7 30 | 16 4 | 11 52 | 12 26 | 2 47 | 14 53 | 1 53 |
| T 9 | 6 20 | 15 43 | 5 7 | 13 56 | 0 51 | 24 31 | 6 5 | 5 28 | 4 38 | 14 20 | 0 58 | 5 35 | 2 7 | 12 29 | 0 42 | 21 58 | 1 20 | 7 29 | 16 4 | 11 55 | 12 27 | 2 45 | 14 52 | 1 53 |
| F 10 | 6 43 | 17 53 | 4 52 | 14 32 | 0 59 | 24 43 | 6 10 | 5 27 | 4 33 | 14 24 | 0 58 | 5 36 | 2 6 | 12 28 | 0 42 | 21 58 | 1 20 | 7 28 | 16 4 | 11 56 | 12 29 | 2 43 | 14 51 | 1 53 |
| S 11 | 7 5 | 18 58 | 4 21 | 15 8 | 1 6 | 24 54 | 6 16 | 5 27 | 4 29 | 14 28 | 0 58 | 5 38 | 2 6 | 12 28 | 0 42 | 21 58 | 1 20 | 7 27 | 16 4 | 11 58 | 12 30 | 2 41 | 14 51 | 1 53 |
| S 12 | 7 27 | 19 0 | 3 37 | 15 43 | 1 14 | 25 4 | 6 21 | 5 26 | 4 24 | 14 32 | 0 58 | 5 39 | 2 6 | 12 27 | 0 42 | 21 58 | 1 20 | 7 26 | 16 4 | 11 58 | 12 31 | 2 39 | 14 50 | 1 53 |
| M13 | 7 50 | 18 4 | 2 43 | 16 17 | 1 21 | 25 13 | 6 26 | 5 24 | 4 19 | 14 36 | 0 58 | 5 40 | 2 6 | 12 26 | 0 42 | 21 58 | 1 20 | 7 26 | 16 5 | 11 58 | 12 32 | 2 37 | 14 49 | 1 54 |
| T 14 | 8 12 | 16 18 | 1 44 | 16 50 | 1 28 | 25 22 | 6 31 | 5 23 | 4 14 | 14 40 | 0 58 | 5 42 | 2 6 | 12 25 | 0 42 | 21 58 | 1 20 | 7 25 | 16 5 | 11 58 | 12 33 | 2 35 | 14 48 | 1 54 |
| W15 | 8 33 | 13 50 | 0 41 | 17 22 | 1 35 | 25 30 | 6 36 | 5 21 | 4 9 | 14 44 | 0 58 | 5 43 | 2 6 | 12 24 | 0 42 | 21 58 | 1 20 | 7 24 | 16 5 | 11 58 | 12 34 | 2 33 | 14 47 | 1 54 |
| T 16 | 8 55 | 10 49 | 0s23 | 17 53 | 1 42 | 25 37 | 6 40 | 5 18 | 4 4 | 14 47 | 0 57 | 5 44 | 2 6 | 12 23 | 0 42 | 21 58 | 1 19 | 7 23 | 16 5 | 11 57 | 12 35 | 2 31 | 14 46 | 1 54 |
| F 17 | 9 17 | 7 22 | 1 25 | 18 23 | 1 49 | 25 44 | 6 44 | 5 16 | 3 59 | 14 51 | 0 57 | 5 46 | 2 6 | 12 22 | 0 42 | 21 58 | 1 19 | 7 22 | 16 5 | 11 58 | 12 36 | 2 30 | 14 46 | 1 54 |
| S 18 | 9 38 | 3 39 | 2 24 | 18 52 | 1 56 | 25 49 | 6 48 | 5 13 | 3 54 | 14 55 | 0 57 | 5 47 | 2 6 | 12 21 | 0 42 | 21 58 | 1 19 | 7 22 | 16 5 | 11 59 | 12 37 | 2 28 | 14 45 | 1 54 |
| S 19 | 10 0 | 0n13 | 3 16 | 19 21 | 2 3 | 25 54 | 6 51 | 5 9 | 3 49 | 14 59 | 0 57 | 5 48 | 2 6 | 12 21 | 0 42 | 21 58 | 1 19 | 7 21 | 16 5 | 12 1 | 12 38 | 2 26 | 14 44 | 1 54 |
| M20 | 10 21 | 4 6 | 4 0 | 19 48 | 2 9 | 25 58 | 6 54 | 5 6 | 3 44 | 15 3 | 0 57 | 5 49 | 2 6 | 12 20 | 0 42 | 21 58 | 1 19 | 7 20 | 16 5 | 12 4 | 12 39 | 2 24 | 14 43 | 1 55 |
| T 21 | 10 42 | 7 51 | 4 34 | 20 14 | 2 15 | 26 0 | 6 57 | 5 2 | 3 40 | 15 7 | 0 57 | 5 50 | 2 6 | 12 19 | 0 42 | 21 58 | 1 19 | 7 19 | 16 5 | 12 8 | 12 40 | 2 22 | 14 42 | 1 55 |
| W22 | 11 3 | 11 19 | 4 55 | 20 39 | 2 21 | 26 2 | 6 59 | 4 57 | 3 35 | 15 10 | 0 57 | 5 52 | 2 6 | 12 18 | 0 42 | 21 58 | 1 19 | 7 19 | 16 5 | 12 12 | 12 41 | 2 20 | 14 41 | 1 55 |
| T 23 | 11 24 | 14 21 | 5 3 | 21 4 | 2 27 | 26 3 | 7 0 | 4 53 | 3 30 | 15 14 | 0 57 | 5 53 | 2 5 | 12 18 | 0 42 | 21 58 | 1 19 | 7 18 | 16 5 | 12 16 | 12 43 | 2 18 | 14 40 | 1 55 |
| F 24 | 11 44 | 16 47 | 4 57 | 21 26 | 2 33 | 26 3 | 7 1 | 4 48 | 3 25 | 15 18 | 0 57 | 5 54 | 2 5 | 12 17 | 0 42 | 21 59 | 1 19 | 7 17 | 16 5 | 12 20 | 12 44 | 2 16 | 14 39 | 1 55 |
| S 25 | 12 5 | 18 27 | 4 37 | 21 48 | 2 38 | 26 1 | 7 2 | 4 43 | 3 20 | 15 22 | 0 57 | 5 55 | 2 5 | 12 16 | 0 43 | 21 59 | 1 19 | 7 17 | 16 6 | 12 22 | 12 45 | 2 14 | 14 39 | 1 55 |
| S 26 | 12 25 | 19 12 | 4 2 | 22 9 | 2 43 | 25 59 | 7 2 | 4 38 | 3 15 | 15 26 | 0 57 | 5 56 | 2 5 | 12 15 | 0 43 | 21 59 | 1 19 | 7 16 | 16 6 | 12 24 | 12 46 | 2 12 | 14 38 | 1 55 |
| M27 | 12 45 | 18 58 | 3 14 | 22 28 | 2 48 | 25 55 | 7 1 | 4 32 | 3 10 | 15 29 | 0 57 | 5 57 | 2 5 | 12 15 | 0 43 | 21 59 | 1 19 | 7 15 | 16 6 | 12 26 | 12 47 | 2 10 | 14 37 | 1 55 |
| T 28 | 13 5 | 17 40 | 2 14 | 22 46 | 2 52 | 25 50 | 7 0 | 4 26 | 3 5 | 15 33 | 0 57 | 5 57 | 2 5 | 12 14 | 0 43 | 21 59 | 1 19 | 7 15 | 16 6 | 12 26 | 12 48 | 2 8 | 14 36 | 1 55 |
| W29 | 13 25 | 15 19 | 1 6 | 23 3 | 2 56 | 25 43 | 6 58 | 4 20 | 3 1 | 15 37 | 0 57 | 5 58 | 2 5 | 12 13 | 0 43 | 21 59 | 1 19 | 7 14 | 16 6 | 12 26 | 12 49 | 2 6 | 14 35 | 1 55 |
| T 30 | 13 44 | 12 2 | 0n 8 | 23 19 | 2 59 | 25 36 | 6 55 | 4 13 | 2 56 | 15 41 | 0 56 | 5 59 | 2 5 | 12 13 | 0 43 | 21 59 | 1 19 | 7 13 | 16 6 | 12 26 | 12 50 | 2 4 | 14 34 | 1 56 |
| F 31 | 14s 3 | 7n57 | 1n23 | 23s33 | 3s 2 | 25s27 | 6s52 | 4s 7 | 2s51 | 15s44 | 0n56 | 6s 0 | 2s 5 | 12n12 | 0n43 | 21s59 | 1n19 | 7n13 | 16n 7 | 12n26 | 12n51 | 2s 2 | 14n33 | 1s56 |

Julian Day Number = 2804642.5, Delta T = 51m19s
Ecliptic obliquity = 23°18'43, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°16'22, Lahiri = 37°23'22


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# ASTRODIENST EPHEMERIS for the year 2966
# geocentric

## NOVEMBER 2966 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 42 46 | 8♏51'25 | 27♍35 | 3♐29 | 24°R 7 | 26♓21 | 16♏34 | 19°R35 | 29♌41 | 28♐ 3 | 19♎55 | 26°R59 | 25♌45 | 2♈ 2 | 15°R28 | S 1 |
| S 2 | 2 46 43 | 9°50'56 | 12♎29 | 4°18 | 23♏41 | 26°29 | 16°47 | 19♓33 | 29°43 | 28° 5 | 19°57 | 26♌53 | 25°42 | 2° 8 | 15♉25 | S 2 |
| M 3 | 2 50 39 | 10°50'29 | 27°29 | 5° 3 | 23°13 | 26°38 | 17° 0 | 19°31 | 29°45 | 28° 6 | 20° 0 | 26°44 | 25°39 | 2°15 | 15°22 | M 3 |
| T 4 | 2 54 36 | 11°50'03 | 12♏27 | 5°44 | 22°43 | 26°47 | 17°13 | 19°29 | 29°46 | 28° 8 | 20° 2 | 26°34 | 25°36 | 2°22 | 15°20 | T 4 |
| W 5 | 2 58 32 | 12°49'40 | 27°13 | 6°20 | 22°11 | 26°57 | 17°26 | 19°28 | 29°48 | 28°10 | 20° 4 | 26°22 | 25°32 | 2°28 | 15°17 | W 5 |
| T 6 | 3 2 29 | 13°49'19 | 11♐40 | 6°52 | 21°39 | 27° 7 | 17°40 | 19°26 | 29°50 | 28°11 | 20° 6 | 26°11 | 25°29 | 2°35 | 15°14 | T 6 |
| F 7 | 3 6 26 | 14°48'59 | 25°40 | 7°17 | 21° 5 | 27°19 | 17°53 | 19°24 | 29°51 | 28°13 | 20° 8 | 26° 2 | 25°26 | 2°42 | 15°11 | F 7 |
| S 8 | 3 10 22 | 15°48'42 | 9♑12 | 7°36 | 20°29 | 27°31 | 18° 6 | 19°23 | 29°53 | 28°15 | 20°10 | 25°55 | 25°23 | 2°48 | 15° 8 | S 8 |
| S 9 | 3 14 19 | 16°48'26 | 22°16 | 7°49 | 19°54 | 27°43 | 18°19 | 19°21 | 29°54 | 28°17 | 20°13 | 25°51 | 25°20 | 2°55 | 15° 5 | S 9 |
| M10 | 3 18 15 | 17°48'11 | 4♒55 | 7°R54 | 19°17 | 27°57 | 18°32 | 19°20 | 29°55 | 28°18 | 20°15 | 25°49 | 25°16 | 3° 2 | 15° 2 | M10 |
| T 11 | 3 22 12 | 18°47'59 | 17°13 | 7°51 | 18°41 | 28°11 | 18°45 | 19°19 | 29°57 | 28°20 | 20°17 | 25°48 | 25°13 | 3° 8 | 15° 0 | T 11 |
| W12 | 3 26 8 | 19°47'47 | 29°16 | 7°39 | 18° 4 | 28°25 | 18°58 | 19°18 | 29°58 | 28°22 | 20°19 | 25°48 | 25°10 | 3°15 | 14°57 | W12 |
| T 13 | 3 30 5 | 20°47'38 | 11♓ 9 | 7°19 | 17°28 | 28°40 | 19°11 | 19°17 | 29°59 | 28°24 | 20°21 | 25°47 | 25° 7 | 3°22 | 14°54 | T 13 |
| F 14 | 3 34 1 | 21°47'30 | 22°58 | 6°49 | 16°52 | 28°56 | 19°24 | 19°16 | 0♍ 1 | 28°26 | 20°23 | 25°45 | 25° 4 | 3°28 | 14°51 | F 14 |
| S 15 | 3 37 58 | 22°47'24 | 4♈46 | 6°10 | 16°16 | 29°13 | 19°37 | 19°15 | 0° 2 | 28°28 | 20°25 | 25°40 | 25° 1 | 3°35 | 14°48 | S 15 |
| S 16 | 3 41 55 | 23°47'19 | 16°39 | 5°21 | 15°42 | 29°30 | 19°50 | 19°14 | 0° 3 | 28°30 | 20°27 | 25°32 | 24°57 | 3°42 | 14°45 | S 16 |
| M17 | 3 45 51 | 24°47'16 | 28°40 | 4°24 | 15° 9 | 29°47 | 20° 3 | 19°13 | 0° 4 | 28°32 | 20°29 | 25°22 | 24°54 | 3°48 | 14°43 | M17 |
| T 18 | 3 49 48 | 25°47'15 | 10♉51 | 3°19 | 14°37 | 0♈ 5 | 20°16 | 19°13 | 0° 5 | 28°34 | 20°31 | 25° 9 | 24°51 | 3°55 | 14°40 | T 18 |
| W19 | 3 53 44 | 26°47'15 | 23°13 | 2° 8 | 14° 6 | 0°24 | 20°29 | 19°13 | 0° 6 | 28°36 | 20°33 | 24°55 | 24°48 | 4° 2 | 14°37 | W19 |
| T 20 | 3 57 41 | 27°47'18 | 5♊46 | 0°52 | 13°38 | 0°43 | 20°42 | 19°12 | 0° 7 | 28°38 | 20°35 | 24°41 | 24°45 | 4° 8 | 14°34 | T 20 |
| F 21 | 4 1 37 | 28°47'22 | 18°31 | 29♏33 | 13°11 | 1° 3 | 20°55 | 19°12 | 0° 7 | 28°40 | 20°37 | 24°28 | 24°42 | 4°15 | 14°31 | F 21 |
| S 22 | 4 5 34 | 29°47'28 | 1♋27 | 28°14 | 12°47 | 1°23 | 21° 8 | 19°D12 | 0° 8 | 28°42 | 20°39 | 24°17 | 24°38 | 4°22 | 14°29 | S 22 |
| S 23 | 4 9 30 | 0♐47'36 | 14°34 | 26°58 | 12°24 | 1°44 | 21°21 | 19°12 | 0° 9 | 28°44 | 20°40 | 24°10 | 24°35 | 4°28 | 14°26 | S 23 |
| M24 | 4 13 27 | 1°47'47 | 27°52 | 25°47 | 12° 4 | 2° 5 | 21°34 | 19°12 | 0°10 | 28°46 | 20°42 | 24° 5 | 24°32 | 4°35 | 14°23 | M24 |
| T 25 | 4 17 24 | 2°47'59 | 11♌21 | 24°42 | 11°46 | 2°27 | 21°47 | 19°12 | 0°10 | 28°48 | 20°44 | 24° 3 | 24°29 | 4°42 | 14°21 | T 25 |
| W26 | 4 21 20 | 3°48'12 | 25° 2 | 23°47 | 11°31 | 2°49 | 22° 0 | 19°13 | 0°11 | 28°50 | 20°46 | 24°D 2 | 24°26 | 4°49 | 14°18 | W26 |
| T 27 | 4 25 17 | 4°48'28 | 8♍55 | 23° 2 | 11°18 | 3°11 | 22°13 | 19°13 | 0°11 | 28°52 | 20°48 | 24°R 2 | 24°22 | 4°55 | 14°15 | T 27 |
| F 28 | 4 29 13 | 5°48'46 | 23° 3 | 22°28 | 11° 7 | 3°34 | 22°26 | 19°14 | 0°12 | 28°54 | 20°50 | 24° 2 | 24°19 | 5° 2 | 14°13 | F 28 |
| S 29 | 4 33 10 | 6°49'06 | 7♎23 | 22° 6 | 10°59 | 3°57 | 22°39 | 19°14 | 0°12 | 28°56 | 20°51 | 23°59 | 24°16 | 5° 9 | 14°10 | S 29 |
| S 30 | 4 37 6 | 7♐49'28 | 21♎52 | 21°D55 | 10♏54 | 4♈21 | 22♏52 | 19♓15 | 0♍12 | 28♐58 | 20♎53 | 23♌53 | 24♌13 | 5♈15 | 14♉ 7 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s23 | 3n19 | 2n35 | 23s46 | 3s 5 | 25s17 | 6s48 | 4s 0 | 2s47 | 15s48 | 0n56 | 6s 1 | 2s 5 | 12n11 | 0n43 | 21s59 | 1n19 | 7n12 | 16n 7 | 12n27 | 12n52 | 2s 0 | 14n32 | 1s56 |
| S 2 | 14 41 | 1s35 | 3 36 | 23 57 | 3 6 | 25 5 | 6 43 | 3 52 | 2 42 | 15 52 | 0 56 | 6 1 | 2 4 | 12 11 | 0 43 | 21 59 | 1 19 | 7 11 | 16 7 | 12 29 | 12 53 | 1 58 | 14 31 | 1 56 |
| M 3 | 15 0 | 6 25 | 4 23 | 24 6 | 3 8 | 24 53 | 6 37 | 3 45 | 2 38 | 15 56 | 0 56 | 6 2 | 2 4 | 12 10 | 0 43 | 21 59 | 1 19 | 7 11 | 16 7 | 12 32 | 12 54 | 1 56 | 14 30 | 1 56 |
| T 4 | 15 18 | 10 51 | 4 52 | 24 14 | 3 8 | 24 39 | 6 31 | 3 37 | 2 33 | 15 59 | 0 56 | 6 3 | 2 4 | 12 10 | 0 43 | 21 59 | 1 19 | 7 10 | 16 7 | 12 36 | 12 55 | 1 54 | 14 30 | 1 56 |
| W 5 | 15 36 | 14 32 | 5 1 | 24 20 | 3 7 | 24 23 | 6 23 | 3 29 | 2 29 | 16 3 | 0 56 | 6 3 | 2 4 | 12 9 | 0 43 | 21 59 | 1 19 | 7 10 | 16 8 | 12 40 | 12 56 | 1 52 | 14 29 | 1 56 |
| T 6 | 15 54 | 17 16 | 4 51 | 24 24 | 3 6 | 24 7 | 6 15 | 3 21 | 2 24 | 16 7 | 0 56 | 6 4 | 2 4 | 12 9 | 0 43 | 21 59 | 1 19 | 7 9 | 16 8 | 12 43 | 12 57 | 1 50 | 14 28 | 1 56 |
| F 7 | 16 12 | 18 52 | 4 23 | 24 26 | 3 4 | 23 49 | 6 7 | 3 13 | 2 20 | 16 10 | 0 56 | 6 4 | 2 4 | 12 8 | 0 43 | 21 59 | 1 19 | 7 9 | 16 8 | 12 46 | 12 59 | 1 48 | 14 27 | 1 56 |
| S 8 | 16 29 | 19 20 | 3 40 | 24 26 | 3 1 | 23 31 | 5 57 | 3 4 | 2 16 | 16 14 | 0 56 | 6 5 | 2 4 | 12 8 | 0 43 | 21 59 | 1 19 | 7 8 | 16 8 | 12 49 | 13 0 | 1 46 | 14 26 | 1 56 |
| S 9 | 16 46 | 18 43 | 2 48 | 24 24 | 2 56 | 23 11 | 5 47 | 2 55 | 2 12 | 16 18 | 0 56 | 6 5 | 2 3 | 12 7 | 0 43 | 22 0 | 1 19 | 7 8 | 16 9 | 12 50 | 13 1 | 1 44 | 14 25 | 1 56 |
| M10 | 17 3 | 17 11 | 1 48 | 24 19 | 2 50 | 22 50 | 5 36 | 2 46 | 2 8 | 16 21 | 0 56 | 6 6 | 2 3 | 12 7 | 0 43 | 22 0 | 1 18 | 7 7 | 16 9 | 12 51 | 13 2 | 1 42 | 14 24 | 1 57 |
| T 11 | 17 19 | 14 52 | 0 45 | 24 11 | 2 43 | 22 29 | 5 24 | 2 37 | 2 4 | 16 25 | 0 56 | 6 6 | 2 3 | 12 6 | 0 43 | 22 0 | 1 18 | 7 7 | 16 9 | 12 51 | 13 3 | 1 40 | 14 23 | 1 57 |
| W12 | 17 36 | 11 57 | 0s18 | 24 1 | 2 35 | 22 7 | 5 12 | 2 27 | 2 0 | 16 28 | 0 56 | 6 6 | 2 3 | 12 6 | 0 43 | 22 0 | 1 18 | 7 6 | 16 9 | 12 51 | 13 4 | 1 38 | 14 22 | 1 57 |
| T 13 | 17 51 | 8 35 | 1 20 | 23 47 | 2 24 | 21 44 | 4 59 | 2 18 | 1 56 | 16 32 | 0 56 | 6 7 | 2 3 | 12 6 | 0 43 | 22 0 | 1 18 | 7 6 | 16 10 | 12 51 | 13 5 | 1 36 | 14 21 | 1 57 |
| F 14 | 18 7 | 4 54 | 2 18 | 23 31 | 2 13 | 21 21 | 4 46 | 2 8 | 1 52 | 16 35 | 0 56 | 6 7 | 2 3 | 12 5 | 0 43 | 22 0 | 1 18 | 7 5 | 16 10 | 12 52 | 13 6 | 1 34 | 14 21 | 1 57 |
| S 15 | 18 22 | 1 2 | 3 11 | 23 11 | 1 59 | 20 57 | 4 32 | 1 58 | 1 48 | 16 39 | 0 56 | 6 7 | 2 3 | 12 5 | 0 43 | 22 0 | 1 18 | 7 5 | 16 10 | 12 54 | 13 7 | 1 32 | 14 20 | 1 57 |
| S 16 | 18 37 | 2n54 | 3 54 | 22 47 | 1 44 | 20 34 | 4 18 | 1 48 | 1 44 | 16 42 | 0 56 | 6 7 | 2 2 | 12 4 | 0 43 | 22 0 | 1 18 | 7 4 | 16 11 | 12 56 | 13 8 | 1 30 | 14 19 | 1 57 |
| M17 | 18 52 | 6 45 | 4 28 | 22 20 | 1 27 | 20 10 | 4 3 | 1 37 | 1 40 | 16 46 | 0 56 | 6 7 | 2 2 | 12 4 | 0 43 | 22 0 | 1 18 | 7 4 | 16 11 | 13 0 | 13 9 | 1 28 | 14 18 | 1 57 |
| T 18 | 19 6 | 10 23 | 4 51 | 21 50 | 1 9 | 19 46 | 3 48 | 1 27 | 1 37 | 16 49 | 0 56 | 6 7 | 2 2 | 12 4 | 0 44 | 22 0 | 1 18 | 7 3 | 16 11 | 13 4 | 13 10 | 1 26 | 14 17 | 1 57 |
| W19 | 19 20 | 13 38 | 5 0 | 21 18 | 0 50 | 19 23 | 3 33 | 1 16 | 1 33 | 16 53 | 0 56 | 6 7 | 2 2 | 12 4 | 0 44 | 22 0 | 1 18 | 7 3 | 16 12 | 13 9 | 13 11 | 1 24 | 14 16 | 1 57 |
| T 20 | 19 34 | 16 19 | 4 54 | 20 42 | 0 30 | 19 0 | 3 18 | 1 5 | 1 30 | 16 56 | 0 56 | 6 7 | 2 2 | 12 3 | 0 44 | 22 0 | 1 18 | 7 3 | 16 12 | 13 14 | 13 12 | 1 22 | 14 15 | 1 57 |
| F 21 | 19 47 | 18 16 | 4 34 | 20 6 | 0 9 | 18 37 | 3 3 | 0 54 | 1 26 | 17 0 | 0 56 | 6 7 | 2 2 | 12 3 | 0 44 | 22 0 | 1 18 | 7 2 | 16 12 | 13 18 | 13 13 | 1 20 | 14 15 | 1 57 |
| S 22 | 20 0 | 19 18 | 4 0 | 19 29 | 0n11 | 18 15 | 2 47 | 0 43 | 1 23 | 17 3 | 0 56 | 6 7 | 2 2 | 12 3 | 0 44 | 22 0 | 1 18 | 7 2 | 16 13 | 13 21 | 13 14 | 1 18 | 14 14 | 1 57 |
| S 23 | 20 12 | 19 20 | 3 12 | 18 52 | 0 32 | 17 53 | 2 32 | 0 32 | 1 19 | 17 7 | 0 56 | 6 7 | 2 1 | 12 3 | 0 44 | 22 0 | 1 18 | 7 2 | 16 13 | 13 24 | 13 15 | 1 16 | 14 13 | 1 57 |
| M24 | 20 25 | 18 18 | 2 14 | 18 17 | 0 51 | 17 33 | 2 17 | 0 20 | 1 16 | 17 10 | 0 56 | 6 7 | 2 1 | 12 2 | 0 44 | 22 0 | 1 18 | 7 1 | 16 13 | 13 25 | 13 16 | 1 14 | 14 12 | 1 57 |
| T 25 | 20 36 | 16 13 | 1 7 | 17 44 | 1 9 | 17 13 | 2 2 | 0 9 | 1 13 | 17 13 | 0 56 | 6 7 | 2 1 | 12 2 | 0 44 | 22 0 | 1 18 | 7 1 | 16 14 | 13 26 | 13 18 | 1 12 | 14 11 | 1 57 |
| W26 | 20 48 | 13 12 | 0n 5 | 17 15 | 1 25 | 16 54 | 1 47 | 0n 3 | 1 10 | 17 17 | 0 56 | 6 6 | 2 1 | 12 2 | 0 44 | 22 0 | 1 18 | 7 1 | 16 14 | 13 26 | 13 19 | 1 10 | 14 10 | 1 57 |
| T 27 | 20 59 | 9 23 | 1 18 | 16 50 | 1 39 | 16 36 | 1 32 | 0 14 | 1 6 | 17 20 | 0 56 | 6 6 | 2 1 | 12 2 | 0 44 | 22 0 | 1 18 | 7 0 | 16 15 | 13 26 | 13 20 | 1 8 | 14 10 | 1 58 |
| F 28 | 21 10 | 5 0 | 2 27 | 16 29 | 1 52 | 16 19 | 1 17 | 0 26 | 1 3 | 17 23 | 0 56 | 6 6 | 2 1 | 12 2 | 0 44 | 22 0 | 1 18 | 7 0 | 16 15 | 13 27 | 13 21 | 1 6 | 14 9 | 1 58 |
| S 29 | 21 20 | 0 17 | 3 28 | 16 13 | 2 2 | 16 3 | 1 3 | 0 38 | 1 0 | 17 26 | 0 56 | 6 5 | 2 0 | 12 2 | 0 44 | 22 1 | 1 18 | 7 0 | 16 15 | 13 28 | 13 22 | 1 4 | 14 8 | 1 58 |
| S 30 | 21s30 | 4s31 | 4n16 | 16s 3 | 2n11 | 15s48 | 0s49 | 0n51 | 0s57 | 17s30 | 0n55 | 6s 5 | 2s 0 | 12n 2 | 0n44 | 22s 1 | 1n18 | 7n 0 | 16n16 | 13n29 | 13n23 | 1s 2 | 14n 7 | 1s58 |

Julian Day Number = 2804673.5, Delta T = 51m20s
Ecliptic obliquity = 23°18'43, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°16'26, Lahiri = 37°23'27


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# ASTRODIENST EPHEMERIS for the year 2966
# geocentric

## DECEMBER 2966 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 4 41 3 | 8♐49'51 | 6♏28 | 21♏56 | 10°R51 | 4♈45 | 23♏ 5 | 19♓16 | 0♍13 | 29♐ 0 | 20♎55 | 23°R44 | 24♌10 | 5♈22 | 14°R 5 | M 1 |
| T 2 | 4 44 59 | 9°50'17 | 21° 3 | 22° 8 | 10°D50 | 5°10 | 23°18 | 19°17 | 0°13 | 29° 3 | 20°56 | 23♌34 | 24° 7 | 5°29 | 14♉ 2 | T 2 |
| W 3 | 4 48 56 | 10°50'44 | 5♐31 | 22°29 | 10♏52 | 5°35 | 23°31 | 19°18 | 0°13 | 29° 5 | 20°58 | 23°22 | 24° 3 | 5°35 | 14° 0 | W 3 |
| T 4 | 4 52 53 | 11°51'13 | 19°43 | 23° 0 | 10°56 | 6° 0 | 23°43 | 19°19 | 0°13 | 29° 7 | 21° 0 | 23°11 | 24° 0 | 5°42 | 13°57 | T 4 |
| F 5 | 4 56 49 | 12°51'43 | 3♑35 | 23°39 | 11° 3 | 6°26 | 23°56 | 19°20 | 0°R13 | 29° 9 | 21° 1 | 23° 1 | 23°57 | 5°49 | 13°55 | F 5 |
| S 6 | 5 0 46 | 13°52'15 | 17° 4 | 24°26 | 11°12 | 6°52 | 24° 9 | 19°21 | 0°13 | 29°11 | 21° 3 | 22°53 | 23°54 | 5°55 | 13°53 | S 6 |
| S 7 | 5 4 42 | 14°52'48 | 0♒ 8 | 25°18 | 11°23 | 7°18 | 24°21 | 19°23 | 0°13 | 29°13 | 21° 5 | 22°48 | 23°51 | 6° 2 | 13°50 | S 7 |
| M 8 | 5 8 39 | 15°53'22 | 12°49 | 26°17 | 11°36 | 7°45 | 24°34 | 19°24 | 0°13 | 29°16 | 21° 6 | 22°46 | 23°48 | 6° 9 | 13°48 | M 8 |
| T 9 | 5 12 35 | 16°53'57 | 25° 9 | 27°20 | 11°51 | 8°12 | 24°47 | 19°26 | 0°13 | 29°18 | 21° 8 | 22°D46 | 23°44 | 6°15 | 13°46 | T 9 |
| W10 | 5 16 32 | 17°54'34 | 7♓14 | 28°28 | 12° 9 | 8°40 | 24°59 | 19°28 | 0°13 | 29°20 | 21° 9 | 22°46 | 23°41 | 6°22 | 13°43 | W10 |
| T 11 | 5 20 28 | 18°55'11 | 19° 9 | 29°40 | 12°28 | 9° 8 | 25°12 | 19°30 | 0°12 | 29°22 | 21°10 | 22°R47 | 23°38 | 6°29 | 13°41 | T 11 |
| F 12 | 5 24 25 | 19°55'50 | 0♈58 | 0♐54 | 12°49 | 9°36 | 25°24 | 19°32 | 0°12 | 29°25 | 21°12 | 22°46 | 23°35 | 6°35 | 13°39 | F 12 |
| S 13 | 5 28 22 | 20°56'29 | 12°49 | 2°12 | 13°12 | 10° 4 | 25°37 | 19°34 | 0°12 | 29°27 | 21°13 | 22°43 | 23°32 | 6°42 | 13°37 | S 13 |
| S 14 | 5 32 18 | 21°57'10 | 24°44 | 3°31 | 13°37 | 10°33 | 25°49 | 19°36 | 0°11 | 29°29 | 21°15 | 22°38 | 23°28 | 6°49 | 13°35 | S 14 |
| M15 | 5 36 15 | 22°57'52 | 6♉49 | 4°53 | 14° 4 | 11° 2 | 26° 2 | 19°38 | 0°11 | 29°31 | 21°16 | 22°30 | 23°25 | 6°55 | 13°33 | M15 |
| T 16 | 5 40 11 | 23°58'34 | 19° 7 | 6°16 | 14°33 | 11°31 | 26°14 | 19°41 | 0°10 | 29°34 | 21°17 | 22°21 | 23°22 | 7° 2 | 13°31 | T 16 |
| W17 | 5 44 8 | 24°59'18 | 1♊40 | 7°41 | 15° 3 | 12° 0 | 26°26 | 19°43 | 0°10 | 29°36 | 21°19 | 22°10 | 23°19 | 7° 9 | 13°29 | W17 |
| T 18 | 5 48 4 | 26° 0'03 | 14°29 | 9° 7 | 15°34 | 12°30 | 26°38 | 19°46 | 0° 9 | 29°38 | 21°20 | 22° 0 | 23°16 | 7°15 | 13°27 | T 18 |
| F 19 | 5 52 1 | 27° 0'49 | 27°33 | 10°34 | 16° 7 | 13° 0 | 26°51 | 19°48 | 0° 8 | 29°40 | 21°21 | 21°50 | 23°13 | 7°22 | 13°25 | F 19 |
| S 20 | 5 55 58 | 28° 1'37 | 10♋52 | 12° 2 | 16°42 | 13°30 | 27° 3 | 19°51 | 0° 7 | 29°43 | 21°22 | 21°42 | 23° 9 | 7°29 | 13°23 | S 20 |
| S 21 | 5 59 54 | 29° 2'25 | 24°23 | 13°31 | 17°18 | 14° 1 | 27°15 | 19°54 | 0° 7 | 29°45 | 21°23 | 21°36 | 23° 6 | 7°36 | 13°21 | S 21 |
| M22 | 6 3 51 | 0♌ 3'14 | 8♌ 4 | 15° 0 | 17°55 | 14°31 | 27°27 | 19°57 | 0° 6 | 29°47 | 21°25 | 21°33 | 23° 3 | 7°42 | 13°19 | M22 |
| T 23 | 6 7 47 | 1° 4'05 | 21°53 | 16°30 | 18°34 | 15° 2 | 27°39 | 20° 0 | 0° 5 | 29°49 | 21°26 | 21°D32 | 23° 0 | 7°49 | 13°18 | T 23 |
| W24 | 6 11 44 | 2° 4'57 | 5♍49 | 18° 0 | 19°14 | 15°33 | 27°51 | 20° 3 | 0° 4 | 29°52 | 21°27 | 21°33 | 22°57 | 7°56 | 13°16 | W24 |
| T 25 | 6 15 40 | 3° 5'50 | 19°50 | 19°30 | 19°55 | 16° 5 | 28° 3 | 20° 6 | 0° 3 | 29°54 | 21°28 | 21°34 | 22°53 | 8° 2 | 13°14 | T 25 |
| F 26 | 6 19 37 | 4° 6'44 | 3♎56 | 21° 1 | 20°37 | 16°36 | 28°15 | 20°10 | 0° 2 | 29°56 | 21°29 | 21°R34 | 22°50 | 8° 9 | 13°13 | F 26 |
| S 27 | 6 23 33 | 5° 7'40 | 18° 5 | 22°33 | 21°20 | 17° 8 | 28°26 | 20°13 | 0° 1 | 29°58 | 21°30 | 21°34 | 22°47 | 8°16 | 13°11 | S 27 |
| S 28 | 6 27 30 | 6° 8'37 | 2♏15 | 24° 4 | 22° 5 | 17°40 | 28°38 | 20°17 | 29♌59 | 0♌ 1 | 21°31 | 21°31 | 22°44 | 8°22 | 13°10 | S 28 |
| M29 | 6 31 27 | 7° 9'34 | 16°26 | 25°36 | 22°50 | 18°12 | 28°50 | 20°20 | 29°58 | 0° 3 | 21°32 | 21°26 | 22°41 | 8°29 | 13° 8 | M29 |
| T 30 | 6 35 23 | 8°10'33 | 0♐32 | 27° 8 | 23°37 | 18°44 | 29° 1 | 20°24 | 29°57 | 0° 5 | 21°32 | 21°20 | 22°38 | 8°36 | 13° 7 | T 30 |
| W31 | 6 39 20 | 9♌11'33 | 14♐31 | 28♐40 | 24♏24 | 19♈17 | 29♏13 | 20♓28 | 29♌56 | 0♌ 7 | 21♎33 | 21♌12 | 22♌34 | 8♈42 | 13♉ 6 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21s39 | 9s 4 | 4n48 | 15s56 | 2n17 | 15s34 | 0s36 | 1n 3 | 0s54 | 17s33 | 0n55 | 6s 4 | 2s 0 | 12n 2 | 0n44 | 22s 1 | 1n18 | 6n59 | 16n16 | 13n32 | 13n24 | 1s 0 | 14n 6 | 1s58 |
| T 2 | 21 48 | 13 5 | 5 1 | 15 55 | 2 22 | 15 21 | 0 23 | 1 15 | 0 52 | 17 36 | 0 55 | 6 4 | 2 0 | 12 2 | 0 44 | 22 1 | 1 18 | 6 59 | 16 17 | 13 36 | 13 25 | 0 58 | 14 6 | 1 58 |
| W 3 | 21 57 | 16 16 | 4 55 | 15 57 | 2 25 | 15 10 | 0 10 | 1 28 | 0 49 | 17 39 | 0 55 | 6 3 | 2 0 | 12 2 | 0 44 | 22 1 | 1 18 | 6 59 | 16 17 | 13 39 | 13 26 | 0 56 | 14 5 | 1 58 |
| T 4 | 22 5 | 18 26 | 4 30 | 16 3 | 2 27 | 14 59 | 0n 3 | 1 40 | 0 46 | 17 42 | 0 55 | 6 3 | 2 0 | 12 2 | 0 44 | 22 1 | 1 18 | 6 59 | 16 17 | 13 43 | 13 27 | 0 54 | 14 4 | 1 58 |
| F 5 | 22 13 | 19 26 | 3 50 | 16 13 | 2 27 | 14 50 | 0 15 | 1 53 | 0 43 | 17 46 | 0 55 | 6 2 | 1 59 | 12 2 | 0 44 | 22 1 | 1 18 | 6 59 | 16 18 | 13 46 | 13 28 | 0 52 | 14 3 | 1 58 |
| S 6 | 22 21 | 19 17 | 2 58 | 16 25 | 2 26 | 14 41 | 0 26 | 2 5 | 0 41 | 17 49 | 0 55 | 6 1 | 1 59 | 12 2 | 0 44 | 22 1 | 1 18 | 6 58 | 16 18 | 13 49 | 13 29 | 0 50 | 14 3 | 1 58 |
| S 7 | 22 28 | 18 6 | 1 57 | 16 39 | 2 24 | 14 34 | 0 38 | 2 18 | 0 38 | 17 52 | 0 56 | 6 1 | 1 59 | 12 2 | 0 44 | 22 1 | 1 18 | 6 58 | 16 19 | 13 50 | 13 30 | 0 48 | 14 2 | 1 58 |
| M 8 | 22 34 | 16 2 | 0 53 | 16 56 | 2 21 | 14 28 | 0 48 | 2 31 | 0 35 | 17 55 | 0 56 | 6 0 | 1 59 | 12 2 | 0 44 | 22 1 | 1 18 | 6 58 | 16 19 | 13 51 | 13 31 | 0 46 | 14 1 | 1 58 |
| T 9 | 22 40 | 13 16 | 0s13 | 17 14 | 2 17 | 14 23 | 0 59 | 2 44 | 0 33 | 17 58 | 0 56 | 5 59 | 1 59 | 12 2 | 0 44 | 22 1 | 1 18 | 6 58 | 16 20 | 13 51 | 13 32 | 0 44 | 14 1 | 1 58 |
| W10 | 22 46 | 10 0 | 1 17 | 17 33 | 2 13 | 14 18 | 1 9 | 2 57 | 0 30 | 18 1 | 0 56 | 5 58 | 1 59 | 12 2 | 0 45 | 22 1 | 1 18 | 6 58 | 16 20 | 13 51 | 13 33 | 0 42 | 14 0 | 1 58 |
| T 11 | 22 51 | 6 22 | 2 16 | 17 53 | 2 8 | 14 15 | 1 19 | 3 10 | 0 28 | 18 4 | 0 56 | 5 57 | 1 59 | 12 2 | 0 45 | 22 1 | 1 18 | 6 58 | 16 21 | 13 51 | 13 34 | 0 40 | 13 59 | 1 58 |
| F 12 | 22 56 | 2 31 | 3 9 | 18 14 | 2 2 | 14 12 | 1 28 | 3 23 | 0 26 | 18 7 | 0 56 | 5 56 | 1 58 | 12 2 | 0 45 | 22 1 | 1 18 | 6 58 | 16 21 | 13 51 | 13 35 | 0 38 | 13 59 | 1 58 |
| S 13 | 23 0 | 1n26 | 3 54 | 18 35 | 1 57 | 14 11 | 1 37 | 3 37 | 0 23 | 18 10 | 0 56 | 5 55 | 1 58 | 12 2 | 0 45 | 22 1 | 1 18 | 6 58 | 16 22 | 13 52 | 13 36 | 0 36 | 13 58 | 1 58 |
| S 14 | 23 4 | 5 20 | 4 30 | 18 56 | 1 50 | 14 10 | 1 45 | 3 50 | 0 21 | 18 13 | 0 56 | 5 54 | 1 58 | 12 3 | 0 45 | 22 1 | 1 18 | 6 58 | 16 22 | 13 54 | 13 37 | 0 34 | 13 57 | 1 58 |
| M15 | 23 8 | 9 5 | 4 53 | 19 18 | 1 44 | 14 10 | 1 54 | 4 3 | 0 19 | 18 15 | 0 56 | 5 53 | 1 58 | 12 3 | 0 45 | 22 1 | 1 18 | 6 58 | 16 23 | 13 56 | 13 38 | 0 32 | 13 57 | 1 58 |
| T 16 | 23 11 | 12 32 | 5 4 | 19 39 | 1 37 | 14 11 | 2 1 | 4 17 | 0 16 | 18 18 | 0 56 | 5 52 | 1 58 | 12 3 | 0 45 | 22 1 | 1 18 | 6 58 | 16 23 | 13 59 | 13 39 | 0 30 | 13 56 | 1 58 |
| W17 | 23 13 | 15 28 | 5 0 | 20 0 | 1 30 | 14 13 | 2 9 | 4 30 | 0 14 | 18 21 | 0 56 | 5 51 | 1 58 | 12 3 | 0 45 | 22 1 | 1 18 | 6 58 | 16 24 | 14 3 | 13 41 | 0 28 | 13 55 | 1 58 |
| T 18 | 23 15 | 17 45 | 4 42 | 20 20 | 1 23 | 14 15 | 2 16 | 4 44 | 0 12 | 18 24 | 0 56 | 5 50 | 1 57 | 12 4 | 0 45 | 22 1 | 1 18 | 6 58 | 16 24 | 14 6 | 13 42 | 0 26 | 13 55 | 1 58 |
| F 19 | 23 17 | 19 9 | 4 8 | 20 40 | 1 15 | 14 18 | 2 23 | 4 57 | 0 10 | 18 27 | 0 56 | 5 49 | 1 57 | 12 4 | 0 45 | 22 1 | 1 18 | 6 58 | 16 25 | 14 9 | 13 43 | 0 24 | 13 54 | 1 58 |
| S 20 | 23 18 | 19 32 | 3 20 | 21 0 | 1 8 | 14 21 | 2 29 | 5 11 | 0 8 | 18 29 | 0 56 | 5 48 | 1 57 | 12 4 | 0 45 | 22 1 | 1 18 | 6 58 | 16 25 | 14 12 | 13 44 | 0 21 | 13 54 | 1 58 |
| S 21 | 23 18 | 18 49 | 2 21 | 21 18 | 1 0 | 14 26 | 2 35 | 5 24 | 0 6 | 18 32 | 0 56 | 5 46 | 1 57 | 12 5 | 0 45 | 22 1 | 1 18 | 6 58 | 16 26 | 14 14 | 13 45 | 0 19 | 13 53 | 1 58 |
| M22 | 23 19 | 17 0 | 1 12 | 21 36 | 0 53 | 14 30 | 2 41 | 5 38 | 0 4 | 18 35 | 0 56 | 5 45 | 1 57 | 12 5 | 0 45 | 22 1 | 1 18 | 6 58 | 16 26 | 14 15 | 13 46 | 0 17 | 13 53 | 1 58 |
| T 23 | 23 18 | 14 10 | 0n 2 | 21 53 | 0 45 | 14 36 | 2 46 | 5 52 | 0 2 | 18 37 | 0 56 | 5 44 | 1 57 | 12 5 | 0 45 | 22 1 | 1 18 | 6 58 | 16 27 | 14 15 | 13 47 | 0 15 | 13 52 | 1 58 |
| W24 | 23 18 | 10 31 | 1 16 | 22 9 | 0 38 | 14 41 | 2 51 | 6 5 | 0 0 | 18 40 | 0 56 | 5 42 | 1 57 | 12 6 | 0 45 | 22 1 | 1 18 | 6 58 | 16 27 | 14 15 | 13 48 | 0 13 | 13 52 | 1 58 |
| T 25 | 23 17 | 6 15 | 2 27 | 22 24 | 0 30 | 14 48 | 2 56 | 6 19 | 0n 2 | 18 43 | 0 56 | 5 41 | 1 56 | 12 6 | 0 45 | 22 1 | 1 18 | 6 58 | 16 28 | 14 14 | 13 49 | 0 11 | 13 51 | 1 58 |
| F 26 | 23 15 | 1 38 | 3 28 | 22 38 | 0 23 | 14 54 | 3 0 | 6 33 | 0 4 | 18 45 | 0 56 | 5 40 | 1 56 | 12 6 | 0 45 | 22 1 | 1 18 | 6 59 | 16 28 | 14 14 | 13 50 | 0 9 | 13 51 | 1 58 |
| S 27 | 23 13 | 3s 4 | 4 18 | 22 51 | 0 15 | 15 2 | 3 5 | 6 47 | 0 5 | 18 48 | 0 56 | 5 38 | 1 56 | 12 7 | 0 45 | 22 1 | 1 18 | 6 59 | 16 29 | 14 15 | 13 51 | 0 7 | 13 50 | 1 58 |
| S 28 | 23 10 | 7 37 | 4 52 | 23 3 | 0 8 | 15 9 | 3 9 | 7 0 | 0 7 | 18 50 | 0 56 | 5 37 | 1 56 | 12 7 | 0 45 | 22 1 | 1 18 | 6 59 | 16 30 | 14 15 | 13 52 | 0 5 | 13 50 | 1 58 |
| M29 | 23 7 | 11 45 | 5 8 | 23 13 | 0 1 | 15 17 | 3 12 | 7 14 | 0 9 | 18 53 | 0 56 | 5 35 | 1 56 | 12 8 | 0 45 | 22 1 | 1 18 | 6 59 | 16 30 | 14 17 | 13 53 | 0 3 | 13 50 | 1 58 |
| T 30 | 23 4 | 15 11 | 5 5 | 23 23 | 0s 6 | 15 25 | 3 16 | 7 28 | 0 11 | 18 55 | 0 56 | 5 34 | 1 56 | 12 8 | 0 45 | 22 1 | 1 18 | 6 59 | 16 31 | 14 19 | 13 54 | 0 1 | 13 49 | 1 58 |
| W31 | 23s 0 | 17s43 | 4n44 | 23s32 | 0s13 | 15s33 | 3n19 | 7n42 | 0n12 | 18s58 | 0n56 | 5s32 | 1s56 | 12n 9 | 0n45 | 22s 1 | 1n18 | 7n 0 | 16n31 | 14n21 | 13n55 | 0n 1 | 13n49 | 1s58 |

Julian Day Number = 2804703.5, Delta T = 51m20s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°16'30, Lahiri = 37°23'31


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# ASTRODIENST EPHEMERIS for the year 2967
# geocentric

## JANUARY 2967 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 43 16 | 10♑12'34 | 28♐18 | 0♑12 | 25♏12 | 19♈49 | 29♏24 | 20♓32 | 29°R54 | 0♑10 | 21♎34 | 21°R 5 | 22♌31 | 8♈49 | 13°R 4 | T 1 |
| F 2 | 6 47 13 | 11°13'36 | 11♑49 | 1°45 | 26° 2 | 20°22 | 29°35 | 20°36 | 29♌53 | 0°12 | 21°35 | 20♌59 | 22°28 | 8°56 | 13♉ 3 | F 2 |
| S 3 | 6 51 9 | 12°14'38 | 25° 3 | 3°17 | 26°51 | 20°55 | 29°47 | 20°40 | 29°51 | 0°14 | 21°36 | 20°54 | 22°25 | 9° 2 | 13° 2 | S 3 |
| S 4 | 6 55 6 | 13°15'41 | 7♒58 | 4°50 | 27°42 | 21°28 | 29°58 | 20°44 | 29°50 | 0°16 | 21°36 | 20°52 | 22°22 | 9° 9 | 13° 1 | S 4 |
| M 5 | 6 59 2 | 14°16'44 | 20°34 | 6°23 | 28°34 | 22° 2 | 0♐ 9 | 20°48 | 29°48 | 0°18 | 21°37 | 20°D51 | 22°19 | 9°16 | 13° 0 | M 5 |
| T 6 | 7 2 59 | 15°17'48 | 2♓53 | 7°57 | 29°26 | 22°35 | 0°20 | 20°52 | 29°47 | 0°21 | 21°38 | 20°51 | 22°15 | 9°23 | 12°59 | T 6 |
| W 7 | 7 6 56 | 16°18'51 | 14°59 | 9°30 | 0♐19 | 23° 9 | 0°31 | 20°57 | 29°45 | 0°23 | 21°38 | 20°53 | 22°12 | 9°29 | 12°58 | W 7 |
| T 8 | 7 10 52 | 17°19'55 | 26°55 | 11° 4 | 1°13 | 23°43 | 0°42 | 21° 1 | 29°43 | 0°25 | 21°39 | 20°55 | 22° 9 | 9°36 | 12°57 | T 8 |
| F 9 | 7 14 49 | 18°21'00 | 8♈45 | 12°37 | 2° 7 | 24°17 | 0°53 | 21° 6 | 29°41 | 0°27 | 21°39 | 20°56 | 22° 6 | 9°43 | 12°56 | F 9 |
| S 10 | 7 18 45 | 19°22'04 | 20°36 | 14°11 | 3° 2 | 24°51 | 1° 3 | 21°10 | 29°40 | 0°29 | 21°40 | 20°R57 | 22° 3 | 9°49 | 12°56 | S 10 |
| S 11 | 7 22 42 | 20°23'08 | 2♉31 | 15°46 | 3°58 | 25°25 | 1°14 | 21°15 | 29°38 | 0°32 | 21°40 | 20°56 | 21°59 | 9°56 | 12°55 | S 11 |
| M12 | 7 26 38 | 21°24'13 | 14°37 | 17°20 | 4°54 | 25°59 | 1°24 | 21°20 | 29°36 | 0°34 | 21°41 | 20°54 | 21°56 | 10° 3 | 12°54 | M12 |
| T 13 | 7 30 35 | 22°25'18 | 26°57 | 18°55 | 5°50 | 26°34 | 1°35 | 21°25 | 29°34 | 0°36 | 21°41 | 20°50 | 21°53 | 10° 9 | 12°54 | T 13 |
| W14 | 7 34 31 | 23°26'22 | 9♊34 | 20°30 | 6°48 | 27° 8 | 1°45 | 21°29 | 29°32 | 0°38 | 21°41 | 20°46 | 21°50 | 10°16 | 12°53 | W14 |
| T 15 | 7 38 28 | 24°27'27 | 22°31 | 22° 6 | 7°45 | 27°43 | 1°56 | 21°34 | 29°30 | 0°40 | 21°42 | 20°41 | 21°47 | 10°23 | 12°53 | T 15 |
| F 16 | 7 42 25 | 25°28'32 | 5♋49 | 23°41 | 8°44 | 28°18 | 2° 6 | 21°40 | 29°28 | 0°42 | 21°42 | 20°37 | 21°44 | 10°29 | 12°52 | F 16 |
| S 17 | 7 46 21 | 26°29'37 | 19°27 | 25°17 | 9°43 | 28°53 | 2°16 | 21°45 | 29°26 | 0°44 | 21°42 | 20°34 | 21°40 | 10°36 | 12°52 | S 17 |
| S 18 | 7 50 18 | 27°30'42 | 3♌22 | 26°54 | 10°42 | 29°28 | 2°26 | 21°50 | 29°24 | 0°46 | 21°42 | 20°32 | 21°37 | 10°43 | 12°52 | S 18 |
| M19 | 7 54 14 | 28°31'47 | 17°31 | 28°30 | 11°42 | 0♉ 3 | 2°36 | 21°55 | 29°22 | 0°48 | 21°43 | 20°D31 | 21°34 | 10°49 | 12°51 | M19 |
| T 20 | 7 58 11 | 29°32'52 | 1♍49 | 0♒ 7 | 12°42 | 0°38 | 2°45 | 22° 0 | 29°20 | 0°50 | 21°43 | 20°31 | 21°31 | 10°56 | 12°51 | T 20 |
| W21 | 8 2 7 | 0♒33'57 | 16°11 | 1°45 | 13°42 | 1°14 | 2°55 | 22° 6 | 29°18 | 0°53 | 21°43 | 20°32 | 21°28 | 11° 3 | 12°51 | W21 |
| T 22 | 8 6 4 | 1°35'02 | 0♎34 | 3°23 | 14°43 | 1°49 | 3° 5 | 22°11 | 29°15 | 0°55 | 21°43 | 20°34 | 21°25 | 11°10 | 12°51 | T 22 |
| F 23 | 8 10 0 | 2°36'08 | 14°53 | 5° 1 | 15°45 | 2°25 | 3°14 | 22°17 | 29°13 | 0°57 | 21°43 | 20°35 | 21°21 | 11°16 | 12°D51 | F 23 |
| S 24 | 8 13 57 | 3°37'14 | 29° 6 | 6°39 | 16°47 | 3° 0 | 3°23 | 22°22 | 29°11 | 0°59 | 21°R43 | 20°R36 | 21°18 | 11°23 | 12°51 | S 24 |
| S 25 | 8 17 54 | 4°38'20 | 13♏10 | 8°19 | 17°49 | 3°36 | 3°33 | 22°28 | 29° 9 | 1° 0 | 21°43 | 20°35 | 21°15 | 11°30 | 12°51 | S 25 |
| M26 | 8 21 50 | 5°39'26 | 27° 5 | 9°58 | 18°51 | 4°12 | 3°42 | 22°34 | 29° 6 | 1° 2 | 21°43 | 20°34 | 21°12 | 11°36 | 12°51 | M26 |
| T 27 | 8 25 47 | 6°40'32 | 10♐48 | 11°38 | 19°54 | 4°48 | 3°51 | 22°40 | 29° 4 | 1° 4 | 21°43 | 20°33 | 21° 9 | 11°43 | 12°51 | T 27 |
| W28 | 8 29 43 | 7°41'38 | 24°20 | 13°18 | 20°58 | 5°24 | 4° 0 | 22°46 | 29° 2 | 1° 6 | 21°43 | 20°31 | 21° 5 | 11°50 | 12°52 | W28 |
| T 29 | 8 33 40 | 8°42'45 | 7♑39 | 14°59 | 22° 1 | 6° 0 | 4° 9 | 22°51 | 28°59 | 1° 8 | 21°43 | 20°29 | 21° 2 | 11°56 | 12°52 | T 29 |
| F 30 | 8 37 36 | 9°43'51 | 20°44 | 16°40 | 23° 5 | 6°36 | 4°17 | 22°57 | 28°57 | 1°10 | 21°42 | 20°28 | 20°59 | 12° 3 | 12°52 | F 30 |
| S 31 | 8 41 33 | 10♒44'56 | 3♒36 | 18♒21 | 24♐ 9 | 7♉12 | 4♐26 | 23♓ 3 | 28♌54 | 1♑12 | 21♎42 | 20♌27 | 20♌56 | 12♈10 | 12♉53 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s55 | 19s11 | 4n 7 | 23s39 | 0s20 | 15s42 | 3n22 | 7n56 | 0n14 | 19s 0 | 0n56 | 5s30 | 1s55 | 12n 9 | 0n45 | 22s 1 | 1n18 | 7n 0 | 16n32 | 14n24 | 13n56 | 0n 3 | 13n48 | 1s58 |
| F 2 | 22 50 | 19 32 | 3 16 | 23 45 | 0 27 | 15 51 | 3 24 | 8 9 | 0 15 | 19 2 | 0 56 | 5 29 | 1 55 | 12 10 | 0 45 | 22 1 | 1 18 | 7 0 | 16 32 | 14 26 | 13 57 | 0 5 | 13 48 | 1 58 |
| S 3 | 22 45 | 18 47 | 2 16 | 23 50 | 0 34 | 16 0 | 3 27 | 8 23 | 0 17 | 19 5 | 0 56 | 5 27 | 1 55 | 12 10 | 0 45 | 22 1 | 1 18 | 7 0 | 16 33 | 14 27 | 13 58 | 0 7 | 13 48 | 1 58 |
| S 4 | 22 39 | 17 3 | 1 10 | 23 54 | 0 40 | 16 9 | 3 29 | 8 37 | 0 19 | 19 7 | 0 56 | 5 25 | 1 55 | 12 11 | 0 46 | 22 1 | 1 18 | 7 1 | 16 33 | 14 28 | 13 59 | 0 9 | 13 47 | 1 58 |
| M 5 | 22 33 | 14 32 | 0 2 | 23 56 | 0 46 | 16 18 | 3 31 | 8 51 | 0 20 | 19 9 | 0 56 | 5 23 | 1 55 | 12 12 | 0 46 | 22 1 | 1 18 | 7 1 | 16 34 | 14 28 | 14 0 | 0 11 | 13 47 | 1 58 |
| T 6 | 22 26 | 11 24 | 1s 5 | 23 57 | 0 53 | 16 28 | 3 32 | 9 5 | 0 22 | 19 11 | 0 57 | 5 22 | 1 55 | 12 12 | 0 46 | 22 1 | 1 18 | 7 1 | 16 35 | 14 28 | 14 1 | 0 13 | 13 47 | 1 58 |
| W 7 | 22 19 | 7 51 | 2 8 | 23 57 | 0 59 | 16 37 | 3 34 | 9 18 | 0 23 | 19 14 | 0 57 | 5 20 | 1 55 | 12 13 | 0 46 | 22 1 | 1 18 | 7 2 | 16 35 | 14 28 | 14 2 | 0 15 | 13 47 | 1 58 |
| T 8 | 22 12 | 4 3 | 3 4 | 23 55 | 1 4 | 16 47 | 3 35 | 9 32 | 0 24 | 19 16 | 0 57 | 5 18 | 1 55 | 12 13 | 0 46 | 22 1 | 1 18 | 7 2 | 16 36 | 14 27 | 14 3 | 0 17 | 13 46 | 1 58 |
| F 9 | 22 4 | 0 7 | 3 53 | 23 53 | 1 10 | 16 57 | 3 36 | 9 46 | 0 26 | 19 18 | 0 57 | 5 16 | 1 54 | 12 14 | 0 46 | 22 1 | 1 18 | 7 2 | 16 36 | 14 26 | 14 4 | 0 19 | 13 46 | 1 58 |
| S 10 | 21 55 | 3n49 | 4 31 | 23 49 | 1 15 | 17 6 | 3 37 | 10 0 | 0 27 | 19 20 | 0 57 | 5 14 | 1 54 | 12 15 | 0 46 | 22 1 | 1 18 | 7 3 | 16 37 | 14 26 | 14 5 | 0 21 | 13 46 | 1 58 |
| S 11 | 21 46 | 7 37 | 4 57 | 23 43 | 1 21 | 17 16 | 3 37 | 10 13 | 0 29 | 19 22 | 0 57 | 5 12 | 1 54 | 12 15 | 0 46 | 22 1 | 1 18 | 7 3 | 16 37 | 14 27 | 14 6 | 0 24 | 13 46 | 1 58 |
| M12 | 21 37 | 11 10 | 5 11 | 23 37 | 1 26 | 17 25 | 3 38 | 10 27 | 0 30 | 19 24 | 0 57 | 5 10 | 1 54 | 12 16 | 0 46 | 22 1 | 1 18 | 7 3 | 16 38 | 14 27 | 14 7 | 0 26 | 13 46 | 1 58 |
| T 13 | 21 27 | 14 19 | 5 12 | 23 29 | 1 30 | 17 35 | 3 38 | 10 41 | 0 31 | 19 26 | 0 57 | 5 8 | 1 54 | 12 17 | 0 46 | 22 1 | 1 18 | 7 4 | 16 39 | 14 28 | 14 8 | 0 28 | 13 45 | 1 57 |
| W14 | 21 17 | 16 52 | 4 57 | 23 19 | 1 35 | 17 44 | 3 38 | 10 54 | 0 32 | 19 28 | 0 57 | 5 6 | 1 54 | 12 17 | 0 46 | 22 1 | 1 18 | 7 4 | 16 39 | 14 30 | 14 9 | 0 30 | 13 45 | 1 57 |
| T 15 | 21 7 | 18 40 | 4 27 | 23 9 | 1 39 | 17 54 | 3 38 | 11 8 | 0 34 | 19 30 | 0 57 | 5 4 | 1 54 | 12 18 | 0 46 | 22 1 | 1 18 | 7 5 | 16 40 | 14 31 | 14 10 | 0 32 | 13 45 | 1 57 |
| F 16 | 20 56 | 19 30 | 3 42 | 22 57 | 1 43 | 18 3 | 3 38 | 11 21 | 0 35 | 19 32 | 0 57 | 5 2 | 1 54 | 12 19 | 0 46 | 22 1 | 1 18 | 7 5 | 16 40 | 14 32 | 14 11 | 0 34 | 13 45 | 1 57 |
| S 17 | 20 45 | 19 13 | 2 43 | 22 43 | 1 47 | 18 12 | 3 37 | 11 35 | 0 36 | 19 34 | 0 57 | 5 0 | 1 53 | 12 20 | 0 46 | 22 1 | 1 18 | 7 5 | 16 41 | 14 34 | 14 12 | 0 36 | 13 45 | 1 57 |
| S 18 | 20 33 | 17 47 | 1 33 | 22 29 | 1 51 | 18 21 | 3 37 | 11 48 | 0 37 | 19 36 | 0 57 | 4 58 | 1 53 | 12 20 | 0 46 | 22 1 | 1 18 | 7 6 | 16 42 | 14 34 | 14 13 | 0 38 | 13 45 | 1 57 |
| M19 | 20 21 | 15 14 | 0 17 | 22 12 | 1 54 | 18 30 | 3 36 | 12 2 | 0 38 | 19 38 | 0 57 | 4 55 | 1 53 | 12 21 | 0 46 | 22 1 | 1 18 | 7 6 | 16 42 | 14 34 | 14 14 | 0 40 | 13 45 | 1 57 |
| T 20 | 20 8 | 11 44 | 1n 2 | 21 55 | 1 57 | 18 38 | 3 35 | 12 15 | 0 40 | 19 40 | 0 57 | 4 53 | 1 53 | 12 22 | 0 46 | 22 1 | 1 18 | 7 7 | 16 43 | 14 34 | 14 15 | 0 42 | 13 45 | 1 57 |
| W21 | 19 55 | 7 32 | 2 17 | 21 36 | 1 59 | 18 47 | 3 34 | 12 28 | 0 41 | 19 41 | 0 58 | 4 51 | 1 53 | 12 23 | 0 46 | 22 1 | 1 18 | 7 7 | 16 43 | 14 34 | 14 16 | 0 44 | 13 45 | 1 57 |
| T 22 | 19 42 | 2 54 | 3 24 | 21 16 | 2 2 | 18 55 | 3 33 | 12 42 | 0 42 | 19 43 | 0 58 | 4 49 | 1 53 | 12 23 | 0 46 | 22 1 | 1 18 | 7 8 | 16 44 | 14 34 | 14 17 | 0 46 | 13 45 | 1 57 |
| F 23 | 19 28 | 1s53 | 4 17 | 20 55 | 2 4 | 19 3 | 3 32 | 12 55 | 0 43 | 19 45 | 0 58 | 4 47 | 1 53 | 12 24 | 0 46 | 22 1 | 1 18 | 7 8 | 16 44 | 14 33 | 14 18 | 0 48 | 13 45 | 1 57 |
| S 24 | 19 14 | 6 30 | 4 54 | 20 32 | 2 5 | 19 10 | 3 30 | 13 8 | 0 44 | 19 47 | 0 58 | 4 44 | 1 53 | 12 25 | 0 46 | 22 1 | 1 18 | 7 9 | 16 45 | 14 33 | 14 19 | 0 50 | 13 45 | 1 57 |
| S 25 | 19 0 | 10 43 | 5 14 | 20 7 | 2 6 | 19 18 | 3 29 | 13 21 | 0 45 | 19 48 | 0 58 | 4 42 | 1 53 | 12 26 | 0 46 | 22 1 | 1 18 | 7 9 | 16 46 | 14 33 | 14 20 | 0 52 | 13 45 | 1 57 |
| M26 | 18 45 | 14 18 | 5 14 | 19 42 | 2 7 | 19 25 | 3 27 | 13 34 | 0 46 | 19 50 | 0 58 | 4 40 | 1 53 | 12 27 | 0 46 | 22 1 | 1 18 | 7 10 | 16 46 | 14 33 | 14 21 | 0 54 | 13 45 | 1 57 |
| T 27 | 18 30 | 17 3 | 4 57 | 19 15 | 2 8 | 19 31 | 3 25 | 13 47 | 0 47 | 19 51 | 0 58 | 4 37 | 1 52 | 12 28 | 0 46 | 22 1 | 1 18 | 7 11 | 16 47 | 14 34 | 14 23 | 0 57 | 13 45 | 1 57 |
| W28 | 18 15 | 18 49 | 4 23 | 18 47 | 2 8 | 19 38 | 3 23 | 14 0 | 0 48 | 19 53 | 0 58 | 4 35 | 1 52 | 12 28 | 0 46 | 22 1 | 1 18 | 7 11 | 16 47 | 14 34 | 14 24 | 0 59 | 13 45 | 1 57 |
| T 29 | 17 59 | 19 30 | 3 36 | 18 17 | 2 7 | 19 44 | 3 21 | 14 13 | 0 49 | 19 54 | 0 58 | 4 32 | 1 52 | 12 29 | 0 46 | 22 1 | 1 18 | 7 12 | 16 48 | 14 35 | 14 25 | 1 1 | 13 46 | 1 57 |
| F 30 | 17 43 | 19 8 | 2 37 | 17 46 | 2 6 | 19 50 | 3 19 | 14 26 | 0 50 | 19 56 | 0 58 | 4 30 | 1 52 | 12 30 | 0 46 | 22 0 | 1 18 | 7 12 | 16 48 | 14 35 | 14 26 | 1 3 | 13 46 | 1 57 |
| S 31 | 17s27 | 17s45 | 1n32 | 17s14 | 2s 5 | 19s55 | 3n16 | 14n38 | 0n50 | 19s57 | 0n58 | 4s28 | 1s52 | 12n31 | 0n46 | 22s 0 | 1n18 | 7n13 | 16n49 | 14n36 | 14n27 | 1n 5 | 13n46 | 1s57 |

Julian Day Number = 2804734.5, Delta T = 51m21s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°16'35, Lahiri = 37°23'35


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# ASTRODIENST EPHEMERIS for the year 2967
# geocentric

## FEBRUARY 2967 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 45 29 | 11♒46'02 | 16♒14 | 20♒ 2 | 25♐14 | 7♉48 | 4♐34 | 23♓10 | 28°R52 | 1♑14 | 21°R42 | 20°D27 | 20♌53 | 12♈16 | 12♉53 | S 1 |
| M 2 | 8 49 26 | 12°47'07 | 28°39 | 21°44 | 26°18 | 8°25 | 4°43 | 23°16 | 28♌49 | 1°16 | 21♎41 | 20♌27 | 20°50 | 12°23 | 12°54 | M 2 |
| T 3 | 8 53 23 | 13°48'11 | 10♓51 | 23°26 | 27°23 | 9° 1 | 4°51 | 23°22 | 28°47 | 1°17 | 21°41 | 20°27 | 20°46 | 12°30 | 12°55 | T 3 |
| W 4 | 8 57 19 | 14°49'14 | 22°54 | 25° 8 | 28°29 | 9°37 | 4°59 | 23°28 | 28°44 | 1°19 | 21°41 | 20°28 | 20°43 | 12°37 | 12°55 | W 4 |
| T 5 | 9 1 16 | 15°50'17 | 4♈49 | 26°50 | 29°34 | 10°14 | 5° 7 | 23°34 | 28°42 | 1°21 | 21°40 | 20°28 | 20°40 | 12°43 | 12°56 | T 5 |
| F 6 | 9 5 12 | 16°51'19 | 16°39 | 28°32 | 0♑40 | 10°51 | 5°15 | 23°41 | 28°39 | 1°23 | 21°40 | 20°29 | 20°37 | 12°50 | 12°57 | F 6 |
| S 7 | 9 9 9 | 17°52'20 | 28°30 | 0♓13 | 1°46 | 11°27 | 5°22 | 23°47 | 28°37 | 1°24 | 21°39 | 20°29 | 20°34 | 12°57 | 12°58 | S 7 |
| S 8 | 9 13 5 | 18°53'21 | 10♉24 | 1°54 | 2°52 | 12° 4 | 5°30 | 23°54 | 28°34 | 1°26 | 21°39 | 20°29 | 20°31 | 13° 3 | 12°59 | S 8 |
| M 9 | 9 17 2 | 19°54'20 | 22°27 | 3°34 | 3°58 | 12°41 | 5°37 | 24° 0 | 28°32 | 1°28 | 21°38 | 20°29 | 20°27 | 13°10 | 13° 0 | M 9 |
| T 10 | 9 20 58 | 20°55'19 | 4♊44 | 5°13 | 5° 5 | 13°18 | 5°44 | 24° 7 | 28°29 | 1°29 | 21°38 | 20°29 | 20°24 | 13°17 | 13° 1 | T 10 |
| W11 | 9 24 55 | 21°56'16 | 17°18 | 6°51 | 6°12 | 13°55 | 5°51 | 24°13 | 28°26 | 1°31 | 21°37 | 20°29 | 20°21 | 13°23 | 13° 2 | W11 |
| T 12 | 9 28 52 | 22°57'13 | 0♋14 | 8°27 | 7°18 | 14°32 | 5°58 | 24°20 | 28°24 | 1°32 | 21°37 | 20°30 | 20°18 | 13°30 | 13° 3 | T 12 |
| F 13 | 9 32 48 | 23°58'08 | 13°34 | 10° 2 | 8°26 | 15° 9 | 6° 5 | 24°26 | 28°21 | 1°34 | 21°36 | 20°30 | 20°15 | 13°37 | 13° 4 | F 13 |
| S 14 | 9 36 45 | 24°59'02 | 27°20 | 11°34 | 9°33 | 15°46 | 6°12 | 24°33 | 28°19 | 1°36 | 21°35 | 20°30 | 20°11 | 13°43 | 13° 5 | S 14 |
| S 15 | 9 40 41 | 25°59'55 | 11♌29 | 13° 2 | 10°41 | 16°23 | 6°18 | 24°40 | 28°16 | 1°37 | 21°34 | 20°31 | 20° 8 | 13°50 | 13° 7 | S 15 |
| M16 | 9 44 38 | 27° 0'48 | 25°58 | 14°28 | 11°48 | 17° 0 | 6°25 | 24°47 | 28°13 | 1°39 | 21°34 | 20°R31 | 20° 5 | 13°57 | 13° 8 | M16 |
| T 17 | 9 48 34 | 28° 1'39 | 10♍42 | 15°49 | 12°56 | 17°37 | 6°31 | 24°53 | 28°11 | 1°40 | 21°33 | 20°30 | 20° 2 | 14° 4 | 13°10 | T 17 |
| W18 | 9 52 31 | 29° 2'29 | 25°34 | 17° 5 | 14° 4 | 18°14 | 6°37 | 25° 0 | 28° 8 | 1°41 | 21°32 | 20°30 | 19°59 | 14°10 | 13°11 | W18 |
| T 19 | 9 56 27 | 0♓ 3'18 | 10♎25 | 18°15 | 15°12 | 18°51 | 6°43 | 25° 7 | 28° 5 | 1°43 | 21°31 | 20°28 | 19°56 | 14°17 | 13°13 | T 19 |
| F 20 | 10 0 24 | 1° 4'07 | 25° 9 | 19°19 | 16°21 | 19°29 | 6°49 | 25°14 | 28° 3 | 1°44 | 21°30 | 20°27 | 19°52 | 14°24 | 13°14 | F 20 |
| S 21 | 10 4 21 | 2° 4'55 | 9♏39 | 20°16 | 17°29 | 20° 6 | 6°55 | 25°21 | 28° 0 | 1°46 | 21°29 | 20°26 | 19°49 | 14°30 | 13°16 | S 21 |
| S 22 | 10 8 17 | 3° 5'42 | 23°51 | 21° 5 | 18°38 | 20°43 | 7° 0 | 25°28 | 27°58 | 1°47 | 21°29 | 20°25 | 19°46 | 14°37 | 13°17 | S 22 |
| M23 | 10 12 14 | 4° 6'28 | 7♐44 | 21°46 | 19°47 | 21°21 | 7° 5 | 25°35 | 27°55 | 1°48 | 21°28 | 20°D25 | 19°43 | 14°44 | 13°19 | M23 |
| T 24 | 10 16 10 | 5° 7'13 | 21°17 | 22°17 | 20°56 | 21°58 | 7°10 | 25°42 | 27°52 | 1°49 | 21°27 | 20°26 | 19°40 | 14°50 | 13°21 | T 24 |
| W25 | 10 20 7 | 6° 7'57 | 4♑32 | 22°38 | 22° 5 | 22°36 | 7°15 | 25°49 | 27°50 | 1°51 | 21°26 | 20°27 | 19°37 | 14°57 | 13°23 | W25 |
| T 26 | 10 24 3 | 7° 8'41 | 17°30 | 22°49 | 23°14 | 23°13 | 7°20 | 25°56 | 27°47 | 1°52 | 21°24 | 20°28 | 19°33 | 15° 4 | 13°25 | T 26 |
| F 27 | 10 28 0 | 8° 9'23 | 0♒14 | 22°R49 | 24°24 | 23°51 | 7°25 | 26° 3 | 27°45 | 1°53 | 21°23 | 20°30 | 19°30 | 15°11 | 13°27 | F 27 |
| S 28 | 10 31 56 | 9♓10'05 | 12♒44 | 22♓38 | 25♑33 | 24♉28 | 7♐29 | 26♓10 | 27♌42 | 1♑54 | 21♎22 | 20♌31 | 19♌27 | 15♈17 | 13♉29 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17s10 | 15s31 | 0n23 | 16s40 | 2s 3 | 20s 0 | 3n14 | 14n51 | 0n51 | 19s59 | 0n59 | 4s25 | 1s52 | 12n32 | 0n46 | 22s 0 | 1n18 | 7n14 | 16n50 | 14n36 | 14n28 | 1n 7 | 13n46 | 1s57 |
| M 2 | 16 53 | 12 36 | 0s45 | 16 5 | 2 1 | 20 4 | 3 11 | 15 3 | 0 52 | 20 0 | 0 59 | 4 23 | 1 52 | 12 33 | 0 46 | 22 0 | 1 18 | 7 14 | 16 50 | 14 36 | 14 29 | 1 9 | 13 46 | 1 57 |
| T 3 | 16 36 | 9 10 | 1 51 | 15 29 | 1 58 | 20 9 | 3 9 | 15 16 | 0 53 | 20 2 | 0 59 | 4 20 | 1 52 | 12 34 | 0 46 | 22 0 | 1 18 | 7 15 | 16 51 | 14 36 | 14 30 | 1 11 | 13 46 | 1 57 |
| W 4 | 16 18 | 5 25 | 2 51 | 14 52 | 1 54 | 20 12 | 3 6 | 15 28 | 0 54 | 20 3 | 0 59 | 4 18 | 1 52 | 12 35 | 0 46 | 22 0 | 1 18 | 7 15 | 16 51 | 14 35 | 14 31 | 1 13 | 13 47 | 1 57 |
| T 5 | 16 0 | 1 30 | 3 42 | 14 14 | 1 50 | 20 16 | 3 3 | 15 40 | 0 55 | 20 4 | 0 59 | 4 15 | 1 52 | 12 35 | 0 46 | 22 0 | 1 18 | 7 16 | 16 52 | 14 35 | 14 32 | 1 15 | 13 47 | 1 57 |
| F 6 | 15 42 | 2n26 | 4 24 | 13 34 | 1 45 | 20 18 | 3 0 | 15 53 | 0 55 | 20 6 | 0 59 | 4 13 | 1 52 | 12 36 | 0 46 | 22 0 | 1 18 | 7 17 | 16 52 | 14 35 | 14 33 | 1 17 | 13 47 | 1 57 |
| S 7 | 15 24 | 6 17 | 4 55 | 12 54 | 1 40 | 20 21 | 2 57 | 16 5 | 0 56 | 20 7 | 0 59 | 4 10 | 1 52 | 12 37 | 0 46 | 22 0 | 1 18 | 7 17 | 16 53 | 14 35 | 14 34 | 1 19 | 13 48 | 1 57 |
| S 8 | 15 5 | 9 54 | 5 13 | 12 12 | 1 34 | 20 23 | 2 54 | 16 17 | 0 57 | 20 8 | 0 59 | 4 7 | 1 52 | 12 38 | 0 46 | 22 0 | 1 18 | 7 18 | 16 53 | 14 35 | 14 35 | 1 21 | 13 48 | 1 57 |
| M 9 | 14 46 | 13 10 | 5 17 | 11 30 | 1 27 | 20 24 | 2 51 | 16 29 | 0 58 | 20 9 | 0 59 | 4 5 | 1 52 | 12 39 | 0 46 | 22 0 | 1 18 | 7 19 | 16 54 | 14 35 | 14 36 | 1 24 | 13 48 | 1 57 |
| T 10 | 14 27 | 15 55 | 5 8 | 10 47 | 1 19 | 20 25 | 2 48 | 16 40 | 0 58 | 20 10 | 0 59 | 4 2 | 1 51 | 12 40 | 0 46 | 22 0 | 1 18 | 7 20 | 16 54 | 14 35 | 14 37 | 1 26 | 13 48 | 1 57 |
| W11 | 14 7 | 18 0 | 4 44 | 10 3 | 1 11 | 20 26 | 2 44 | 16 52 | 0 59 | 20 11 | 1 0 | 3 59 | 1 51 | 12 41 | 0 46 | 22 0 | 1 18 | 7 20 | 16 55 | 14 35 | 14 38 | 1 28 | 13 49 | 1 57 |
| T 12 | 13 48 | 19 14 | 4 5 | 9 19 | 1 2 | 20 26 | 2 41 | 17 4 | 1 0 | 20 13 | 1 0 | 3 57 | 1 51 | 12 42 | 0 46 | 22 0 | 1 18 | 7 21 | 16 55 | 14 35 | 14 39 | 1 30 | 13 49 | 1 56 |
| F 13 | 13 28 | 19 27 | 3 11 | 8 35 | 0 52 | 20 25 | 2 38 | 17 15 | 1 0 | 20 14 | 1 0 | 3 54 | 1 51 | 12 43 | 0 46 | 22 0 | 1 18 | 7 22 | 16 56 | 14 35 | 14 40 | 1 32 | 13 50 | 1 56 |
| S 14 | 13 8 | 18 32 | 2 5 | 7 50 | 0 42 | 20 25 | 2 34 | 17 27 | 1 1 | 20 15 | 1 0 | 3 51 | 1 51 | 12 44 | 0 46 | 22 0 | 1 18 | 7 22 | 16 56 | 14 35 | 14 41 | 1 34 | 13 50 | 1 56 |
| S 15 | 12 47 | 16 27 | 0 50 | 7 6 | 0 31 | 20 23 | 2 31 | 17 38 | 1 2 | 20 16 | 1 0 | 3 49 | 1 51 | 12 44 | 0 46 | 22 0 | 1 18 | 7 23 | 16 57 | 14 35 | 14 42 | 1 36 | 13 50 | 1 56 |
| M16 | 12 27 | 13 16 | 0n30 | 6 22 | 0 18 | 20 21 | 2 27 | 17 49 | 1 2 | 20 17 | 1 0 | 3 46 | 1 51 | 12 45 | 0 46 | 22 0 | 1 18 | 7 24 | 16 57 | 14 35 | 14 43 | 1 38 | 13 51 | 1 56 |
| T 17 | 12 6 | 9 13 | 1 50 | 5 39 | 0 6 | 20 19 | 2 23 | 18 0 | 1 3 | 20 18 | 1 0 | 3 43 | 1 51 | 12 46 | 0 46 | 22 0 | 1 18 | 7 25 | 16 58 | 14 35 | 14 44 | 1 40 | 13 51 | 1 56 |
| W18 | 11 45 | 4 33 | 3 3 | 4 57 | 0n 8 | 20 16 | 2 20 | 18 11 | 1 4 | 20 18 | 1 0 | 3 41 | 1 51 | 12 47 | 0 46 | 22 0 | 1 18 | 7 25 | 16 58 | 14 35 | 14 45 | 1 42 | 13 52 | 1 56 |
| T 19 | 11 24 | 0s22 | 4 3 | 4 17 | 0 22 | 20 12 | 2 16 | 18 22 | 1 4 | 20 19 | 1 1 | 3 38 | 1 51 | 12 48 | 0 46 | 22 0 | 1 18 | 7 26 | 16 59 | 14 35 | 14 46 | 1 44 | 13 52 | 1 56 |
| F 20 | 11 2 | 5 14 | 4 47 | 3 38 | 0 37 | 20 8 | 2 12 | 18 33 | 1 5 | 20 20 | 1 1 | 3 35 | 1 51 | 12 49 | 0 46 | 22 0 | 1 18 | 7 27 | 16 59 | 14 36 | 14 47 | 1 46 | 13 53 | 1 56 |
| S 21 | 10 41 | 9 42 | 5 11 | 3 2 | 0 53 | 20 3 | 2 8 | 18 43 | 1 5 | 20 21 | 1 1 | 3 32 | 1 51 | 12 50 | 0 46 | 22 0 | 1 19 | 7 28 | 17 0 | 14 36 | 14 48 | 1 49 | 13 53 | 1 56 |
| S 22 | 10 19 | 13 31 | 5 16 | 2 28 | 1 9 | 19 58 | 2 4 | 18 54 | 1 6 | 20 22 | 1 1 | 3 30 | 1 51 | 12 51 | 0 46 | 21 59 | 1 19 | 7 28 | 17 0 | 14 36 | 14 49 | 1 51 | 13 54 | 1 56 |
| M23 | 9 57 | 16 30 | 5 3 | 1 57 | 1 25 | 19 53 | 2 0 | 19 4 | 1 6 | 20 23 | 1 1 | 3 27 | 1 51 | 12 52 | 0 46 | 21 59 | 1 19 | 7 29 | 17 1 | 14 36 | 14 50 | 1 53 | 13 54 | 1 56 |
| T 24 | 9 35 | 18 30 | 4 32 | 1 30 | 1 41 | 19 46 | 1 56 | 19 14 | 1 7 | 20 23 | 1 1 | 3 24 | 1 51 | 12 53 | 0 46 | 21 59 | 1 19 | 7 30 | 17 1 | 14 36 | 14 51 | 1 55 | 13 55 | 1 56 |
| W25 | 9 13 | 19 26 | 3 48 | 1 7 | 1 57 | 19 40 | 1 53 | 19 24 | 1 7 | 20 24 | 1 1 | 3 21 | 1 51 | 12 54 | 0 46 | 21 59 | 1 19 | 7 31 | 17 2 | 14 36 | 14 52 | 1 57 | 13 55 | 1 56 |
| T 26 | 8 51 | 19 19 | 2 53 | 0 48 | 2 13 | 19 32 | 1 49 | 19 34 | 1 8 | 20 25 | 1 1 | 3 18 | 1 51 | 12 54 | 0 46 | 21 59 | 1 19 | 7 31 | 17 2 | 14 35 | 14 53 | 1 59 | 13 56 | 1 56 |
| F 27 | 8 28 | 18 12 | 1 50 | 0 34 | 2 28 | 19 25 | 1 45 | 19 44 | 1 8 | 20 25 | 1 2 | 3 16 | 1 51 | 12 55 | 0 46 | 21 59 | 1 19 | 7 32 | 17 3 | 14 35 | 14 54 | 2 1 | 13 57 | 1 56 |
| S 28 | 8s 5 | 16s13 | 0n43 | 0s25 | 2n43 | 19s16 | 1n41 | 19n54 | 1n 9 | 20s26 | 1n 2 | 3s13 | 1s51 | 12n56 | 0n46 | 21s59 | 1n19 | 7n33 | 17n 3 | 14n35 | 14n55 | 2n 3 | 13n57 | 1s56 |

Julian Day Number = 2804765.5, Delta T = 51m21s
Ecliptic obliquity = 23°18'43, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°16'39, Lahiri = 37°23'39


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# ASTRODIENST EPHEMERIS for the year 2967
# geocentric

## MARCH 2967 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 35 53 | 10♓10'45 | 25♒ 4 | 22°R17 | 26♑43 | 25♉ 6 | 7♐34 | 26♓17 | 27°R39 | 1♑55 | 21°R21 | 20°R31 | 19♌24 | 15♈24 | 13♉31 | S 1 |
| M 2 | 10 39 50 | 11°11'23 | 7♓15 | 21♓46 | 27°52 | 25°43 | 7°38 | 26°24 | 27♌37 | 1°56 | 21♎20 | 20♌30 | 19°21 | 15°31 | 13°33 | M 2 |
| T 3 | 10 43 46 | 12°12'01 | 19°18 | 21° 5 | 29° 2 | 26°21 | 7°42 | 26°32 | 27°34 | 1°57 | 21°19 | 20°28 | 19°17 | 15°37 | 13°35 | T 3 |
| W 4 | 10 47 43 | 13°12'36 | 1♈15 | 20°17 | 0♒12 | 26°59 | 7°46 | 26°39 | 27°32 | 1°58 | 21°18 | 20°24 | 19°14 | 15°44 | 13°37 | W 4 |
| T 5 | 10 51 39 | 14°13'11 | 13° 7 | 19°21 | 1°22 | 27°36 | 7°49 | 26°46 | 27°29 | 1°59 | 21°16 | 20°20 | 19°11 | 15°51 | 13°39 | T 5 |
| F 6 | 10 55 36 | 15°13'44 | 24°58 | 18°20 | 2°32 | 28°14 | 7°53 | 26°53 | 27°27 | 2° 0 | 21°15 | 20°16 | 19° 8 | 15°57 | 13°42 | F 6 |
| S 7 | 10 59 32 | 16°14'15 | 6♉48 | 17°15 | 3°42 | 28°52 | 7°56 | 27° 1 | 27°24 | 2° 1 | 21°14 | 20°11 | 19° 5 | 16° 4 | 13°44 | S 7 |
| S 8 | 11 3 29 | 17°14'44 | 18°43 | 16° 9 | 4°52 | 29°30 | 7°59 | 27° 8 | 27°22 | 2° 2 | 21°13 | 20° 8 | 19° 2 | 16°11 | 13°46 | S 8 |
| M 9 | 11 7 25 | 18°15'12 | 0♊44 | 15° 2 | 6° 3 | 0♊ 7 | 8° 2 | 27°15 | 27°20 | 2° 3 | 21°11 | 20° 5 | 18°58 | 16°18 | 13°49 | M 9 |
| T 10 | 11 11 22 | 19°15'38 | 12°58 | 13°56 | 7°13 | 0°45 | 8° 5 | 27°22 | 27°17 | 2° 4 | 21°10 | 20° 4 | 18°55 | 16°24 | 13°51 | T 10 |
| W11 | 11 15 18 | 20°16'02 | 25°26 | 12°53 | 8°24 | 1°23 | 8° 7 | 27°30 | 27°15 | 2° 5 | 21° 9 | 20°D 4 | 18°52 | 16°31 | 13°54 | W11 |
| T 12 | 11 19 15 | 21°16'25 | 8♋15 | 11°55 | 9°34 | 2° 1 | 8°10 | 27°37 | 27°12 | 2° 6 | 21° 7 | 20° 5 | 18°49 | 16°38 | 13°56 | T 12 |
| F 13 | 11 23 12 | 22°16'45 | 21°29 | 11° 1 | 10°45 | 2°39 | 8°12 | 27°44 | 27°10 | 2° 6 | 21° 6 | 20° 6 | 18°46 | 16°44 | 13°59 | F 13 |
| S 14 | 11 27 8 | 23°17'04 | 5♌ 9 | 10°14 | 11°56 | 3°16 | 8°14 | 27°52 | 27° 8 | 2° 7 | 21° 4 | 20° 8 | 18°42 | 16°51 | 14° 1 | S 14 |
| S 15 | 11 31 5 | 24°17'20 | 19°17 | 9°33 | 13° 7 | 3°54 | 8°16 | 27°59 | 27° 6 | 2° 8 | 21° 3 | 20°R 8 | 18°39 | 16°58 | 14° 4 | S 15 |
| M16 | 11 35 1 | 25°17'35 | 3♍51 | 8°59 | 14°17 | 4°32 | 8°17 | 28° 6 | 27° 3 | 2° 8 | 21° 2 | 20° 8 | 18°36 | 17° 4 | 14° 7 | M16 |
| T 17 | 11 38 58 | 26°17'48 | 18°47 | 8°33 | 15°28 | 5°10 | 8°19 | 28°14 | 27° 1 | 2° 9 | 21° 0 | 20° 5 | 18°33 | 17°11 | 14° 9 | T 17 |
| W18 | 11 42 54 | 27°17'59 | 3♎57 | 8°13 | 16°39 | 5°48 | 8°20 | 28°21 | 26°59 | 2° 9 | 20°59 | 20° 1 | 18°30 | 17°18 | 14°12 | W18 |
| T 19 | 11 46 51 | 28°18'08 | 19°11 | 8° 0 | 17°51 | 6°26 | 8°21 | 28°28 | 26°57 | 2°10 | 20°57 | 19°56 | 18°27 | 17°25 | 14°15 | T 19 |
| F 20 | 11 50 47 | 29°18'16 | 4♏19 | 7°D54 | 19° 2 | 7° 4 | 8°22 | 28°36 | 26°55 | 2°10 | 20°56 | 19°50 | 18°23 | 17°31 | 14°18 | F 20 |
| S 21 | 11 54 44 | 0♈18'22 | 19°11 | 7°55 | 20°13 | 7°42 | 8°23 | 28°43 | 26°53 | 2°11 | 20°54 | 19°44 | 18°20 | 17°38 | 14°21 | S 21 |
| S 22 | 11 58 41 | 1°18'27 | 3♐40 | 8° 2 | 21°24 | 8°20 | 8°23 | 28°50 | 26°51 | 2°11 | 20°53 | 19°39 | 18°17 | 17°45 | 14°24 | S 22 |
| M23 | 12 2 37 | 2°18'30 | 17°43 | 8°15 | 22°36 | 8°58 | 8°24 | 28°58 | 26°49 | 2°12 | 20°51 | 19°37 | 18°14 | 17°51 | 14°27 | M23 |
| T 24 | 12 6 34 | 3°18'32 | 1♑19 | 8°33 | 23°47 | 9°35 | 8°R24 | 29° 5 | 26°47 | 2°12 | 20°50 | 19°D36 | 18°11 | 17°58 | 14°30 | T 24 |
| W25 | 12 10 30 | 4°18'33 | 14°30 | 8°57 | 24°59 | 10°13 | 8°24 | 29°12 | 26°45 | 2°12 | 20°48 | 19°36 | 18° 8 | 18° 5 | 14°33 | W25 |
| T 26 | 12 14 27 | 5°18'31 | 27°19 | 9°25 | 26°10 | 10°51 | 8°24 | 29°20 | 26°43 | 2°13 | 20°46 | 19°37 | 18° 4 | 18°11 | 14°36 | T 26 |
| F 27 | 12 18 23 | 6°18'29 | 9♒50 | 9°58 | 27°22 | 11°29 | 8°23 | 29°27 | 26°41 | 2°13 | 20°45 | 19°39 | 18° 1 | 18°18 | 14°39 | F 27 |
| S 28 | 12 22 20 | 7°18'24 | 22° 7 | 10°36 | 28°33 | 12° 7 | 8°23 | 29°34 | 26°39 | 2°13 | 20°43 | 19°R39 | 17°58 | 18°25 | 14°42 | S 28 |
| S 29 | 12 26 16 | 8°18'18 | 4♓14 | 11°17 | 29°45 | 12°45 | 8°22 | 29°42 | 26°37 | 2°13 | 20°42 | 19°38 | 17°55 | 18°32 | 14°45 | S 29 |
| M30 | 12 30 13 | 9°18'10 | 16°13 | 12° 3 | 0♓57 | 13°23 | 8°21 | 29°49 | 26°36 | 2°14 | 20°40 | 19°34 | 17°52 | 18°38 | 14°48 | M30 |
| T 31 | 12 34 10 | 10♈18'00 | 28♓ 8 | 12♓51 | 2♓ 9 | 14♊ 1 | 8♐20 | 29♓56 | 26♌34 | 2♑14 | 20♎38 | 19♌28 | 17♌48 | 18♈45 | 14♉51 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7s43 | 13s30 | 0s25 | 0s21 | 2n56 | 19s 7 | 1n36 | 20n 4 | 1n 9 | 20s26 | 1n 2 | 3s10 | 1s51 | 12n57 | 0n46 | 21s59 | 1n19 | 7n34 | 17n 3 | 14n35 | 14n55 | 2n 5 | 13n58 | 1s56 |
| M 2 | 7 20 | 10 13 | 1 31 | 0 22 | 3 8 | 18 58 | 1 32 | 20 13 | 1 10 | 20 27 | 1 2 | 3 7 | 1 51 | 12 58 | 0 46 | 21 59 | 1 19 | 7 35 | 17 4 | 14 35 | 14 56 | 2 7 | 13 59 | 1 56 |
| T 3 | 6 57 | 6 33 | 2 32 | 0 28 | 3 19 | 18 48 | 1 28 | 20 22 | 1 10 | 20 27 | 1 2 | 3 4 | 1 51 | 12 59 | 0 46 | 21 59 | 1 19 | 7 35 | 17 4 | 14 36 | 14 57 | 2 9 | 13 59 | 1 56 |
| W 4 | 6 34 | 2 39 | 3 26 | 0 39 | 3 27 | 18 38 | 1 24 | 20 31 | 1 11 | 20 28 | 1 2 | 3 1 | 1 51 | 13 0 | 0 46 | 21 59 | 1 19 | 7 36 | 17 5 | 14 37 | 14 58 | 2 12 | 14 0 | 1 56 |
| T 5 | 6 11 | 1n18 | 4 10 | 0 55 | 3 34 | 18 27 | 1 20 | 20 40 | 1 11 | 20 28 | 1 2 | 2 59 | 1 51 | 13 0 | 0 46 | 21 59 | 1 19 | 7 37 | 17 5 | 14 38 | 14 59 | 2 14 | 14 1 | 1 56 |
| F 6 | 5 47 | 5 12 | 4 44 | 1 14 | 3 38 | 18 15 | 1 16 | 20 49 | 1 11 | 20 29 | 1 2 | 2 56 | 1 51 | 13 1 | 0 46 | 21 59 | 1 19 | 7 38 | 17 5 | 14 39 | 15 0 | 2 16 | 14 1 | 1 56 |
| S 7 | 5 24 | 8 54 | 5 5 | 1 38 | 3 40 | 18 3 | 1 12 | 20 58 | 1 12 | 20 29 | 1 3 | 2 53 | 1 51 | 13 2 | 0 46 | 21 59 | 1 19 | 7 39 | 17 6 | 14 41 | 15 1 | 2 18 | 14 2 | 1 56 |
| S 8 | 5 1 | 12 16 | 5 13 | 2 4 | 3 40 | 17 51 | 1 8 | 21 7 | 1 12 | 20 30 | 1 3 | 2 50 | 1 51 | 13 3 | 0 46 | 21 59 | 1 19 | 7 39 | 17 6 | 14 42 | 15 2 | 2 20 | 14 3 | 1 56 |
| M 9 | 4 37 | 15 10 | 5 8 | 2 32 | 3 37 | 17 38 | 1 4 | 21 15 | 1 13 | 20 30 | 1 3 | 2 47 | 1 51 | 13 4 | 0 46 | 21 59 | 1 19 | 7 40 | 17 6 | 14 43 | 15 3 | 2 22 | 14 3 | 1 56 |
| T 10 | 4 14 | 17 27 | 4 49 | 3 1 | 3 32 | 17 24 | 1 0 | 21 23 | 1 13 | 20 30 | 1 3 | 2 44 | 1 51 | 13 5 | 0 46 | 21 59 | 1 19 | 7 41 | 17 7 | 14 43 | 15 4 | 2 24 | 14 4 | 1 56 |
| W11 | 3 50 | 18 58 | 4 16 | 3 31 | 3 26 | 17 10 | 0 56 | 21 31 | 1 13 | 20 30 | 1 3 | 2 41 | 1 51 | 13 5 | 0 46 | 21 59 | 1 19 | 7 42 | 17 7 | 14 43 | 15 5 | 2 26 | 14 5 | 1 56 |
| T 12 | 3 27 | 19 34 | 3 29 | 4 1 | 3 17 | 16 56 | 0 52 | 21 39 | 1 14 | 20 31 | 1 3 | 2 38 | 1 51 | 13 6 | 0 46 | 21 59 | 1 19 | 7 43 | 17 7 | 14 43 | 15 6 | 2 28 | 14 6 | 1 56 |
| F 13 | 3 3 | 19 8 | 2 30 | 4 30 | 3 7 | 16 41 | 0 48 | 21 47 | 1 14 | 20 31 | 1 3 | 2 36 | 1 51 | 13 7 | 0 46 | 21 59 | 1 19 | 7 43 | 17 8 | 14 42 | 15 7 | 2 30 | 14 6 | 1 56 |
| S 14 | 2 39 | 17 34 | 1 21 | 4 58 | 2 56 | 16 25 | 0 44 | 21 55 | 1 14 | 20 31 | 1 3 | 2 33 | 1 51 | 13 8 | 0 46 | 21 58 | 1 19 | 7 44 | 17 8 | 14 42 | 15 8 | 2 32 | 14 7 | 1 56 |
| S 15 | 2 15 | 14 53 | 0 5 | 5 25 | 2 44 | 16 9 | 0 40 | 22 2 | 1 15 | 20 31 | 1 4 | 2 30 | 1 51 | 13 8 | 0 46 | 21 58 | 1 19 | 7 45 | 17 8 | 14 42 | 15 9 | 2 35 | 14 8 | 1 56 |
| M16 | 1 52 | 11 12 | 1n14 | 5 49 | 2 31 | 15 53 | 0 36 | 22 10 | 1 15 | 20 31 | 1 4 | 2 27 | 1 51 | 13 9 | 0 46 | 21 58 | 1 19 | 7 46 | 17 9 | 14 42 | 15 10 | 2 37 | 14 9 | 1 56 |
| T 17 | 1 28 | 6 43 | 2 30 | 6 12 | 2 17 | 15 36 | 0 32 | 22 17 | 1 15 | 20 32 | 1 4 | 2 24 | 1 51 | 13 10 | 0 46 | 21 58 | 1 19 | 7 46 | 17 9 | 14 43 | 15 11 | 2 39 | 14 10 | 1 56 |
| W18 | 1 4 | 1 45 | 3 36 | 6 32 | 2 3 | 15 19 | 0 28 | 22 24 | 1 16 | 20 32 | 1 4 | 2 21 | 1 51 | 13 11 | 0 46 | 21 58 | 1 19 | 7 47 | 17 9 | 14 44 | 15 12 | 2 41 | 14 10 | 1 56 |
| T 19 | 0 40 | 3s21 | 4 27 | 6 50 | 1 49 | 15 1 | 0 24 | 22 31 | 1 16 | 20 32 | 1 4 | 2 18 | 1 51 | 13 11 | 0 46 | 21 58 | 1 19 | 7 48 | 17 10 | 14 46 | 15 13 | 2 43 | 14 11 | 1 56 |
| F 20 | 0 17 | 8 12 | 4 59 | 7 5 | 1 35 | 14 43 | 0 20 | 22 37 | 1 16 | 20 32 | 1 4 | 2 15 | 1 51 | 13 12 | 0 46 | 21 58 | 1 19 | 7 49 | 17 10 | 14 47 | 15 14 | 2 45 | 14 12 | 1 56 |
| S 21 | 0n 7 | 12 27 | 5 10 | 7 18 | 1 21 | 14 25 | 0 16 | 22 44 | 1 16 | 20 32 | 1 4 | 2 13 | 1 51 | 13 13 | 0 46 | 21 58 | 1 20 | 7 50 | 17 10 | 14 49 | 15 15 | 2 47 | 14 13 | 1 56 |
| S 22 | 0 31 | 15 51 | 5 1 | 7 29 | 1 7 | 14 6 | 0 13 | 22 50 | 1 17 | 20 32 | 1 4 | 2 10 | 1 51 | 13 13 | 0 46 | 21 58 | 1 20 | 7 50 | 17 10 | 14 51 | 15 16 | 2 49 | 14 14 | 1 56 |
| M23 | 0 55 | 18 12 | 4 34 | 7 37 | 0 53 | 13 46 | 0 9 | 22 57 | 1 17 | 20 32 | 1 5 | 2 7 | 1 51 | 13 14 | 0 46 | 21 58 | 1 20 | 7 51 | 17 10 | 14 52 | 15 17 | 2 51 | 14 15 | 1 56 |
| T 24 | 1 19 | 19 26 | 3 52 | 7 43 | 0 39 | 13 27 | 0 5 | 23 3 | 1 17 | 20 31 | 1 5 | 2 4 | 1 51 | 13 15 | 0 46 | 21 58 | 1 20 | 7 52 | 17 11 | 14 52 | 15 18 | 2 54 | 14 15 | 1 56 |
| W25 | 1 42 | 19 34 | 2 59 | 7 46 | 0 26 | 13 6 | 0 1 | 23 8 | 1 17 | 20 31 | 1 5 | 2 1 | 1 51 | 13 15 | 0 46 | 21 58 | 1 20 | 7 53 | 17 11 | 14 52 | 15 19 | 2 56 | 14 16 | 1 56 |
| T 26 | 2 6 | 18 39 | 1 58 | 7 47 | 0 13 | 12 46 | 0s 2 | 23 14 | 1 18 | 20 31 | 1 5 | 1 58 | 1 51 | 13 16 | 0 46 | 21 58 | 1 20 | 7 53 | 17 11 | 14 51 | 15 20 | 2 58 | 14 17 | 1 56 |
| F 27 | 2 30 | 16 50 | 0 53 | 7 46 | 0 1 | 12 25 | 0 6 | 23 20 | 1 18 | 20 31 | 1 5 | 1 55 | 1 51 | 13 17 | 0 46 | 21 58 | 1 20 | 7 54 | 17 11 | 14 51 | 15 21 | 3 0 | 14 18 | 1 56 |
| S 28 | 2 53 | 14 16 | 0s13 | 7 43 | 0s11 | 12 4 | 0 9 | 23 25 | 1 18 | 20 31 | 1 5 | 1 53 | 1 52 | 13 17 | 0 46 | 21 58 | 1 20 | 7 55 | 17 11 | 14 51 | 15 22 | 3 2 | 14 19 | 1 56 |
| S 29 | 3 17 | 11 7 | 1 18 | 7 38 | 0 22 | 11 42 | 0 13 | 23 30 | 1 18 | 20 31 | 1 5 | 1 50 | 1 52 | 13 18 | 0 46 | 21 58 | 1 20 | 7 56 | 17 12 | 14 51 | 15 23 | 3 4 | 14 20 | 1 56 |
| M30 | 3 40 | 7 32 | 2 18 | 7 31 | 0 33 | 11 20 | 0 16 | 23 35 | 1 18 | 20 30 | 1 5 | 1 47 | 1 52 | 13 18 | 0 46 | 21 58 | 1 20 | 7 56 | 17 12 | 14 52 | 15 24 | 3 6 | 14 21 | 1 56 |
| T 31 | 4n 3 | 3s41 | 3s12 | 7s22 | 0s44 | 10s58 | 0s20 | 23n40 | 1n19 | 20s30 | 1n 6 | 1s44 | 1s52 | 13n19 | 0n46 | 21s58 | 1n20 | 7n57 | 17n12 | 14n54 | 15n25 | 3n 8 | 14n22 | 1s56 |

Julian Day Number = 2804793.5, Delta T = 51m22s
Ecliptic obliquity = 23°18'44, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°16'43, Lahiri = 37°23'43


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# ASTRODIENST EPHEMERIS for the year 2967
# geocentric

## APRIL 2967 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 38 6 | 11♈17'48 | 9♈59 | 13♓43 | 3♓20 | 14♊39 | 8°R18 | 0♈ 3 | 26°R32 | 2♑14 | 20°R37 | 19°R20 | 17♌45 | 18♈52 | 14♉55 | W 1 |
| T 2 | 12 42 3 | 12°17'35 | 21°50 | 14°39 | 4°32 | 15°17 | 8♐17 | 0°11 | 26♌31 | 2°14 | 20♎35 | 19♌10 | 17°42 | 18°58 | 14°58 | T 2 |
| F 3 | 12 45 59 | 13°17'19 | 3♉42 | 15°37 | 5°44 | 15°55 | 8°15 | 0°18 | 26°29 | 2°R14 | 20°33 | 18°59 | 17°39 | 19° 5 | 15° 1 | F 3 |
| S 4 | 12 49 56 | 14°17'01 | 15°36 | 16°37 | 6°56 | 16°33 | 8°13 | 0°25 | 26°28 | 2°14 | 20°32 | 18°48 | 17°36 | 19°12 | 15° 4 | S 4 |
| S 5 | 12 53 52 | 15°16'42 | 27°33 | 17°41 | 8° 8 | 17°11 | 8°11 | 0°32 | 26°26 | 2°14 | 20°30 | 18°39 | 17°33 | 19°18 | 15° 8 | S 5 |
| M 6 | 12 57 49 | 16°16'20 | 9♊38 | 18°47 | 9°20 | 17°49 | 8° 9 | 0°40 | 26°25 | 2°14 | 20°28 | 18°31 | 17°29 | 19°25 | 15°11 | M 6 |
| T 7 | 13 1 45 | 17°15'56 | 21°51 | 19°55 | 10°32 | 18°27 | 8° 6 | 0°47 | 26°23 | 2°14 | 20°27 | 18°25 | 17°26 | 19°32 | 15°15 | T 7 |
| W 8 | 13 5 42 | 18°15'30 | 4♋18 | 21° 5 | 11°44 | 19° 5 | 8° 4 | 0°54 | 26°22 | 2°14 | 20°25 | 18°22 | 17°23 | 19°39 | 15°18 | W 8 |
| T 9 | 13 9 38 | 19°15'02 | 17° 2 | 22°17 | 12°56 | 19°43 | 8° 1 | 1° 1 | 26°21 | 2°13 | 20°23 | 18°D21 | 17°20 | 19°45 | 15°21 | T 9 |
| F 10 | 13 13 35 | 20°14'32 | 0♌ 8 | 23°32 | 14° 8 | 20°21 | 7°58 | 1° 8 | 26°19 | 2°13 | 20°22 | 18°21 | 17°17 | 19°52 | 15°25 | F 10 |
| S 11 | 13 17 32 | 21°13'59 | 13°38 | 24°48 | 15°21 | 20°59 | 7°55 | 1°15 | 26°18 | 2°13 | 20°20 | 18°R22 | 17°14 | 19°59 | 15°28 | S 11 |
| S 12 | 13 21 28 | 22°13'24 | 27°35 | 26° 6 | 16°33 | 21°37 | 7°51 | 1°22 | 26°17 | 2°13 | 20°18 | 18°21 | 17°10 | 20° 5 | 15°32 | S 12 |
| M13 | 13 25 25 | 23°12'46 | 12♍ 1 | 27°26 | 17°45 | 22°15 | 7°48 | 1°29 | 26°16 | 2°12 | 20°17 | 18°19 | 17° 7 | 20°12 | 15°35 | M13 |
| T 14 | 13 29 21 | 24°12'06 | 26°51 | 28°48 | 18°57 | 22°53 | 7°44 | 1°36 | 26°15 | 2°12 | 20°15 | 18°15 | 17° 4 | 20°19 | 15°39 | T 14 |
| W15 | 13 33 18 | 25°11'25 | 12♎ 1 | 0♈11 | 20° 9 | 23°31 | 7°40 | 1°43 | 26°14 | 2°12 | 20°14 | 18° 7 | 17° 1 | 20°26 | 15°42 | W15 |
| T 16 | 13 37 14 | 26°10'41 | 27°21 | 1°36 | 21°22 | 24° 9 | 7°36 | 1°50 | 26°13 | 2°11 | 20°12 | 17°58 | 16°58 | 20°32 | 15°46 | T 16 |
| F 17 | 13 41 11 | 27° 9'55 | 12♏40 | 3° 3 | 22°34 | 24°47 | 7°32 | 1°57 | 26°12 | 2°11 | 20°10 | 17°48 | 16°54 | 20°39 | 15°50 | F 17 |
| S 18 | 13 45 7 | 28° 9'07 | 27°45 | 4°31 | 23°46 | 25°25 | 7°28 | 2° 4 | 26°11 | 2°10 | 20° 9 | 17°38 | 16°51 | 20°46 | 15°53 | S 18 |
| S 19 | 13 49 4 | 29° 8'18 | 12♐29 | 6° 1 | 24°59 | 26° 3 | 7°23 | 2°11 | 26°11 | 2°10 | 20° 7 | 17°30 | 16°48 | 20°52 | 15°57 | S 19 |
| M20 | 13 53 1 | 0♉ 7'27 | 26°44 | 7°33 | 26°11 | 26°41 | 7°19 | 2°18 | 26°10 | 2° 9 | 20° 5 | 17°23 | 16°45 | 20°59 | 16° 1 | M20 |
| T 21 | 13 56 57 | 1° 6'34 | 10♑30 | 9° 6 | 27°24 | 27°19 | 7°14 | 2°24 | 26° 9 | 2° 9 | 20° 4 | 17°19 | 16°42 | 21° 6 | 16° 4 | T 21 |
| W22 | 14 0 54 | 2° 5'39 | 23°46 | 10°40 | 28°36 | 27°57 | 7° 9 | 2°31 | 26° 8 | 2° 8 | 20° 2 | 17°18 | 16°39 | 21°12 | 16° 8 | W22 |
| T 23 | 14 4 50 | 3° 4'43 | 6♒36 | 12°16 | 29°49 | 28°35 | 7° 4 | 2°38 | 26° 8 | 2° 8 | 20° 0 | 17°D18 | 16°35 | 21°19 | 16°12 | T 23 |
| F 24 | 14 8 47 | 4° 3'45 | 19° 5 | 13°54 | 1♈ 1 | 29°13 | 6°59 | 2°44 | 26° 7 | 2° 7 | 19°59 | 17°R18 | 16°32 | 21°26 | 16°15 | F 24 |
| S 25 | 14 12 43 | 5° 2'45 | 1♓17 | 15°33 | 2°14 | 29°51 | 6°53 | 2°51 | 26° 7 | 2° 6 | 19°57 | 17°17 | 16°29 | 21°33 | 16°19 | S 25 |
| S 26 | 14 16 40 | 6° 1'43 | 13°18 | 17°13 | 3°26 | 0♋29 | 6°48 | 2°58 | 26° 6 | 2° 6 | 19°56 | 17°14 | 16°26 | 21°39 | 16°23 | S 26 |
| M27 | 14 20 36 | 7° 0'40 | 25°12 | 18°55 | 4°39 | 1° 7 | 6°42 | 3° 4 | 26° 6 | 2° 5 | 19°54 | 17° 9 | 16°23 | 21°46 | 16°26 | M27 |
| T 28 | 14 24 33 | 7°59'35 | 7♈ 2 | 20°39 | 5°51 | 1°45 | 6°36 | 3°11 | 26° 6 | 2° 4 | 19°52 | 17° 1 | 16°19 | 21°53 | 16°30 | T 28 |
| W29 | 14 28 30 | 8°58'28 | 18°52 | 22°24 | 7° 4 | 2°23 | 6°30 | 3°17 | 26° 5 | 2° 3 | 19°51 | 16°50 | 16°16 | 21°59 | 16°34 | W29 |
| T 30 | 14 32 26 | 9♉57'19 | 0♉43 | 24♈11 | 8♈17 | 3♋ 1 | 6♐24 | 3♈23 | 26♌ 5 | 2♑ 3 | 19♎49 | 16♌37 | 16♌13 | 22♈ 6 | 16♉37 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4n27 | 0n18 | 3s57 | 7s12 | 0s54 | 10s35 | 0s23 | 23n44 | 1n19 | 20s30 | 1n 6 | 1s41 | 1s52 | 13n19 | 0n46 | 21s58 | 1n20 | 7n58 | 17n12 | 14n57 | 15n26 | 3n10 | 14n23 | 1s56 |
| T 2 | 4 50 | 4 16 | 4 31 | 7 0 | 1 3 | 10 12 | 0 26 | 23 49 | 1 19 | 20 29 | 1 6 | 1 39 | 1 52 | 13 20 | 0 46 | 21 58 | 1 20 | 7 58 | 17 12 | 15 0 | 15 27 | 3 13 | 14 24 | 1 56 |
| F 3 | 5 13 | 8 4 | 4 54 | 6 46 | 1 12 | 9 49 | 0 30 | 23 53 | 1 19 | 20 29 | 1 6 | 1 36 | 1 52 | 13 20 | 0 46 | 21 58 | 1 20 | 7 59 | 17 12 | 15 3 | 15 28 | 3 15 | 14 24 | 1 56 |
| S 4 | 5 36 | 11 34 | 5 4 | 6 30 | 1 21 | 9 26 | 0 33 | 23 57 | 1 19 | 20 29 | 1 6 | 1 33 | 1 52 | 13 21 | 0 46 | 21 58 | 1 20 | 8 0 | 17 12 | 15 6 | 15 29 | 3 17 | 14 25 | 1 56 |
| S 5 | 5 59 | 14 37 | 5 1 | 6 13 | 1 29 | 9 2 | 0 36 | 24 1 | 1 19 | 20 28 | 1 6 | 1 30 | 1 52 | 13 21 | 0 46 | 21 58 | 1 20 | 8 0 | 17 13 | 15 10 | 15 30 | 3 19 | 14 26 | 1 56 |
| M 6 | 6 22 | 17 5 | 4 45 | 5 54 | 1 37 | 8 38 | 0 39 | 24 5 | 1 20 | 20 28 | 1 6 | 1 27 | 1 52 | 13 22 | 0 46 | 21 57 | 1 20 | 8 1 | 17 13 | 15 12 | 15 31 | 3 21 | 14 27 | 1 56 |
| T 7 | 6 45 | 18 49 | 4 15 | 5 34 | 1 44 | 8 14 | 0 42 | 24 8 | 1 20 | 20 27 | 1 6 | 1 25 | 1 52 | 13 22 | 0 46 | 21 57 | 1 20 | 8 2 | 17 13 | 15 14 | 15 32 | 3 23 | 14 28 | 1 56 |
| W 8 | 7 7 | 19 42 | 3 33 | 5 13 | 1 50 | 7 49 | 0 45 | 24 12 | 1 20 | 20 27 | 1 6 | 1 22 | 1 52 | 13 23 | 0 46 | 21 57 | 1 20 | 8 2 | 17 13 | 15 15 | 15 33 | 3 25 | 14 29 | 1 56 |
| T 9 | 7 30 | 19 36 | 2 39 | 4 50 | 1 56 | 7 24 | 0 48 | 24 15 | 1 20 | 20 26 | 1 6 | 1 19 | 1 52 | 13 23 | 0 46 | 21 57 | 1 20 | 8 3 | 17 13 | 15 15 | 15 33 | 3 27 | 14 30 | 1 56 |
| F 10 | 7 52 | 18 27 | 1 36 | 4 26 | 2 2 | 6 59 | 0 51 | 24 18 | 1 20 | 20 25 | 1 7 | 1 16 | 1 53 | 13 24 | 0 46 | 21 57 | 1 20 | 8 4 | 17 13 | 15 15 | 15 34 | 3 29 | 14 31 | 1 56 |
| S 11 | 8 14 | 16 15 | 0 25 | 4 0 | 2 7 | 6 34 | 0 53 | 24 21 | 1 20 | 20 25 | 1 7 | 1 14 | 1 53 | 13 24 | 0 46 | 21 57 | 1 20 | 8 4 | 17 13 | 15 15 | 15 35 | 3 32 | 14 32 | 1 56 |
| S 12 | 8 36 | 13 1 | 0n49 | 3 34 | 2 12 | 6 9 | 0 56 | 24 23 | 1 20 | 20 24 | 1 7 | 1 11 | 1 53 | 13 24 | 0 46 | 21 57 | 1 20 | 8 5 | 17 13 | 15 15 | 15 36 | 3 34 | 14 33 | 1 56 |
| M13 | 8 58 | 8 55 | 2 2 | 3 6 | 2 16 | 5 43 | 0 59 | 24 26 | 1 20 | 20 24 | 1 7 | 1 8 | 1 53 | 13 25 | 0 46 | 21 57 | 1 20 | 8 6 | 17 13 | 15 15 | 15 37 | 3 36 | 14 34 | 1 56 |
| T 14 | 9 20 | 4 9 | 3 10 | 2 37 | 2 20 | 5 17 | 1 1 | 24 28 | 1 21 | 20 23 | 1 7 | 1 6 | 1 53 | 13 25 | 0 46 | 21 57 | 1 20 | 8 6 | 17 13 | 15 17 | 15 38 | 3 38 | 14 35 | 1 56 |
| W15 | 9 42 | 0s58 | 4 5 | 2 7 | 2 23 | 4 51 | 1 3 | 24 30 | 1 21 | 20 22 | 1 7 | 1 3 | 1 53 | 13 25 | 0 46 | 21 57 | 1 20 | 8 7 | 17 13 | 15 19 | 15 39 | 3 40 | 14 36 | 1 56 |
| T 16 | 10 3 | 6 4 | 4 43 | 1 36 | 2 26 | 4 25 | 1 6 | 24 32 | 1 21 | 20 22 | 1 7 | 1 0 | 1 53 | 13 26 | 0 45 | 21 57 | 1 21 | 8 7 | 17 13 | 15 22 | 15 40 | 3 42 | 14 37 | 1 56 |
| F 17 | 10 25 | 10 46 | 5 1 | 1 3 | 2 28 | 3 59 | 1 8 | 24 33 | 1 21 | 20 21 | 1 7 | 0 58 | 1 53 | 13 26 | 0 45 | 21 57 | 1 21 | 8 8 | 17 13 | 15 25 | 15 41 | 3 44 | 14 38 | 1 56 |
| S 18 | 10 46 | 14 43 | 4 58 | 0 30 | 2 30 | 3 32 | 1 10 | 24 35 | 1 21 | 20 20 | 1 7 | 0 55 | 1 53 | 13 26 | 0 45 | 21 57 | 1 21 | 8 8 | 17 13 | 15 28 | 15 42 | 3 46 | 14 39 | 1 56 |
| S 19 | 11 7 | 17 38 | 4 34 | 0n 4 | 2 31 | 3 6 | 1 13 | 24 36 | 1 21 | 20 19 | 1 7 | 0 53 | 1 54 | 13 26 | 0 45 | 21 57 | 1 21 | 8 9 | 17 13 | 15 31 | 15 43 | 3 48 | 14 40 | 1 56 |
| M20 | 11 27 | 19 22 | 3 54 | 0 39 | 2 31 | 2 39 | 1 15 | 24 37 | 1 21 | 20 18 | 1 7 | 0 50 | 1 54 | 13 27 | 0 45 | 21 57 | 1 21 | 8 10 | 17 13 | 15 32 | 15 44 | 3 51 | 14 41 | 1 56 |
| T 21 | 11 48 | 19 52 | 3 2 | 1 16 | 2 32 | 2 12 | 1 17 | 24 38 | 1 21 | 20 18 | 1 7 | 0 47 | 1 54 | 13 27 | 0 45 | 21 57 | 1 21 | 8 10 | 17 13 | 15 34 | 15 45 | 3 53 | 14 42 | 1 56 |
| W22 | 12 8 | 19 14 | 2 1 | 1 53 | 2 31 | 1 45 | 1 19 | 24 39 | 1 21 | 20 17 | 1 8 | 0 45 | 1 54 | 13 27 | 0 45 | 21 57 | 1 21 | 8 11 | 17 13 | 15 34 | 15 46 | 3 55 | 14 43 | 1 56 |
| T 23 | 12 28 | 17 37 | 0 56 | 2 30 | 2 31 | 1 18 | 1 21 | 24 39 | 1 21 | 20 16 | 1 8 | 0 42 | 1 54 | 13 27 | 0 45 | 21 57 | 1 21 | 8 11 | 17 12 | 15 34 | 15 47 | 3 57 | 14 44 | 1 56 |
| F 24 | 12 48 | 15 10 | 0s 9 | 3 9 | 2 30 | 0 51 | 1 22 | 24 40 | 1 21 | 20 15 | 1 8 | 0 40 | 1 54 | 13 27 | 0 45 | 21 57 | 1 21 | 8 12 | 17 12 | 15 34 | 15 48 | 3 59 | 14 45 | 1 57 |
| S 25 | 13 8 | 12 6 | 1 13 | 3 49 | 2 28 | 0 24 | 1 24 | 24 40 | 1 21 | 20 14 | 1 8 | 0 37 | 1 54 | 13 27 | 0 45 | 21 57 | 1 21 | 8 12 | 17 12 | 15 34 | 15 49 | 4 1 | 14 46 | 1 57 |
| S 26 | 13 28 | 8 35 | 2 13 | 4 29 | 2 26 | 0n 3 | 1 26 | 24 40 | 1 21 | 20 13 | 1 8 | 0 35 | 1 54 | 13 27 | 0 45 | 21 57 | 1 21 | 8 12 | 17 12 | 15 35 | 15 50 | 4 3 | 14 47 | 1 57 |
| M27 | 13 47 | 4 45 | 3 6 | 5 10 | 2 23 | 0 30 | 1 27 | 24 40 | 1 21 | 20 12 | 1 8 | 0 32 | 1 55 | 13 28 | 0 45 | 21 57 | 1 21 | 8 13 | 17 12 | 15 37 | 15 51 | 4 5 | 14 48 | 1 57 |
| T 28 | 14 6 | 0 46 | 3 51 | 5 52 | 2 20 | 0 57 | 1 29 | 24 39 | 1 21 | 20 11 | 1 8 | 0 30 | 1 55 | 13 28 | 0 45 | 21 57 | 1 21 | 8 13 | 17 12 | 15 39 | 15 52 | 4 8 | 14 49 | 1 57 |
| W29 | 14 25 | 3n15 | 4 25 | 6 34 | 2 16 | 1 25 | 1 30 | 24 39 | 1 21 | 20 10 | 1 8 | 0 28 | 1 55 | 13 28 | 0 45 | 21 57 | 1 21 | 8 14 | 17 12 | 15 42 | 15 53 | 4 10 | 14 50 | 1 57 |
| T 30 | 14n43 | 7n 9 | 4s48 | 7n17 | 2s12 | 1n52 | 1s31 | 24n38 | 1n21 | 20s 9 | 1n 8 | 0s25 | 1s55 | 13n28 | 0n45 | 21s57 | 1n21 | 8n14 | 17n12 | 15n46 | 15n53 | 4n12 | 14n51 | 1s57 |

Julian Day Number = 2804824.5, Delta T = 51m22s
Ecliptic obliquity = 23°18'44, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°16'47, Lahiri = 37°23'48


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# ASTRODIENST EPHEMERIS for the year 2967
# geocentric

## MAY 2967 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 36 23 | 10♉56'08 | 12♉38 | 25♈59 | 9♈29 | 3♋39 | 6°R18 | 3♈30 | 26°R 5 | 2°R 2 | 19°R48 | 16°R23 | 16♌10 | 22♈13 | 16♉41 | F 1 |
| S 2 | 14 40 19 | 11°54'55 | 24°38 | 27°49 | 10°42 | 4°17 | 6♐12 | 3°36 | 26♌ 5 | 2♑ 1 | 19♎46 | 16♌ 9 | 16° 7 | 22°20 | 16°45 | S 2 |
| S 3 | 14 44 16 | 12°53'41 | 6♊43 | 29°40 | 11°55 | 4°55 | 6° 5 | 3°42 | 26°D 5 | 2° 0 | 19°45 | 15°55 | 16° 4 | 22°26 | 16°49 | S 3 |
| M 4 | 14 48 12 | 13°52'24 | 18°56 | 1♉33 | 13° 7 | 5°33 | 5°59 | 3°49 | 26° 5 | 1°59 | 19°43 | 15°44 | 16° 0 | 22°33 | 16°52 | M 4 |
| T 5 | 14 52 9 | 14°51'06 | 1♋18 | 3°28 | 14°20 | 6°11 | 5°52 | 3°55 | 26° 5 | 1°58 | 19°42 | 15°36 | 15°57 | 22°40 | 16°56 | T 5 |
| W 6 | 14 56 5 | 15°49'45 | 13°51 | 5°24 | 15°33 | 6°49 | 5°46 | 4° 1 | 26° 5 | 1°57 | 19°40 | 15°31 | 15°54 | 22°46 | 17° 0 | W 6 |
| T 7 | 15 0 2 | 16°48'22 | 26°37 | 7°21 | 16°45 | 7°27 | 5°39 | 4° 7 | 26° 5 | 1°56 | 19°39 | 15°28 | 15°51 | 22°53 | 17° 4 | T 7 |
| F 8 | 15 3 59 | 17°46'57 | 9♌41 | 9°21 | 17°58 | 8° 5 | 5°32 | 4°13 | 26° 5 | 1°55 | 19°38 | 15°28 | 15°48 | 23° 0 | 17° 8 | F 8 |
| S 9 | 15 7 55 | 18°45'30 | 23° 6 | 11°21 | 19°11 | 8°43 | 5°25 | 4°19 | 26° 6 | 1°54 | 19°36 | 15°28 | 15°45 | 23° 7 | 17°11 | S 9 |
| S 10 | 15 11 52 | 19°44'01 | 6♍53 | 13°24 | 20°24 | 9°21 | 5°18 | 4°25 | 26° 6 | 1°53 | 19°35 | 15°27 | 15°41 | 23°13 | 17°15 | S 10 |
| M11 | 15 15 48 | 20°42'29 | 21° 5 | 15°27 | 21°36 | 9°58 | 5°11 | 4°31 | 26° 6 | 1°52 | 19°33 | 15°25 | 15°38 | 23°20 | 17°19 | M11 |
| T 12 | 15 19 45 | 21°40'55 | 5♎40 | 17°32 | 22°49 | 10°36 | 5° 3 | 4°37 | 26° 7 | 1°51 | 19°32 | 15°20 | 15°35 | 23°27 | 17°23 | T 12 |
| W13 | 15 23 41 | 22°39'20 | 20°35 | 19°38 | 24° 2 | 11°14 | 4°56 | 4°42 | 26° 7 | 1°50 | 19°31 | 15°12 | 15°32 | 23°33 | 17°26 | W13 |
| T 14 | 15 27 38 | 23°37'42 | 5♏43 | 21°45 | 25°15 | 11°52 | 4°49 | 4°48 | 26° 8 | 1°49 | 19°29 | 15° 3 | 15°29 | 23°40 | 17°30 | T 14 |
| F 15 | 15 31 34 | 24°36'03 | 20°53 | 23°53 | 26°27 | 12°30 | 4°42 | 4°54 | 26° 9 | 1°47 | 19°28 | 14°52 | 15°25 | 23°47 | 17°34 | F 15 |
| S 16 | 15 35 31 | 25°34'21 | 5♐56 | 26° 2 | 27°40 | 13° 8 | 4°34 | 4°59 | 26° 9 | 1°46 | 19°27 | 14°41 | 15°22 | 23°54 | 17°38 | S 16 |
| S 17 | 15 39 28 | 26°32'39 | 20°41 | 28°12 | 28°53 | 13°46 | 4°27 | 5° 5 | 26°10 | 1°45 | 19°26 | 14°32 | 15°19 | 24° 0 | 17°41 | S 17 |
| M18 | 15 43 24 | 27°30'54 | 5♑ 1 | 0♊21 | 0♉ 6 | 14°24 | 4°19 | 5°10 | 26°11 | 1°44 | 19°24 | 14°25 | 15°16 | 24° 7 | 17°45 | M18 |
| T 19 | 15 47 21 | 28°29'08 | 18°53 | 2°31 | 1°19 | 15° 1 | 4°12 | 5°15 | 26°11 | 1°42 | 19°23 | 14°20 | 15°13 | 24°14 | 17°49 | T 19 |
| W20 | 15 51 17 | 29°27'21 | 2♒15 | 4°41 | 2°32 | 15°39 | 4° 4 | 5°21 | 26°12 | 1°41 | 19°22 | 14°18 | 15°10 | 24°20 | 17°52 | W20 |
| T 21 | 15 55 14 | 0♊25'32 | 15°10 | 6°50 | 3°44 | 16°17 | 3°56 | 5°26 | 26°13 | 1°40 | 19°21 | 14°D17 | 15° 6 | 24°27 | 17°56 | T 21 |
| F 22 | 15 59 10 | 1°23'41 | 27°43 | 8°58 | 4°57 | 16°55 | 3°49 | 5°31 | 26°14 | 1°38 | 19°20 | 14°R17 | 15° 3 | 24°34 | 18° 0 | F 22 |
| S 23 | 16 3 7 | 2°21'50 | 9♓57 | 11° 5 | 6°10 | 17°33 | 3°41 | 5°36 | 26°15 | 1°37 | 19°18 | 14°17 | 15° 0 | 24°41 | 18° 3 | S 23 |
| S 24 | 16 7 3 | 3°19'56 | 21°58 | 13°11 | 7°23 | 18°10 | 3°33 | 5°41 | 26°16 | 1°36 | 19°17 | 14°16 | 14°57 | 24°47 | 18° 7 | S 24 |
| M25 | 16 11 0 | 4°18'02 | 3♈52 | 15°15 | 8°36 | 18°48 | 3°26 | 5°46 | 26°17 | 1°34 | 19°16 | 14°12 | 14°54 | 24°54 | 18°11 | M25 |
| T 26 | 16 14 57 | 5°16'06 | 15°42 | 17°17 | 9°49 | 19°26 | 3°18 | 5°51 | 26°19 | 1°33 | 19°15 | 14° 5 | 14°51 | 25° 1 | 18°14 | T 26 |
| W27 | 16 18 53 | 6°14'09 | 27°32 | 19°17 | 11° 2 | 20° 4 | 3°11 | 5°56 | 26°20 | 1°32 | 19°14 | 13°57 | 14°47 | 25° 7 | 18°18 | W27 |
| T 28 | 16 22 50 | 7°12'10 | 9♉27 | 21°15 | 12°15 | 20°42 | 3° 3 | 6° 1 | 26°21 | 1°30 | 19°13 | 13°46 | 14°44 | 25°14 | 18°22 | T 28 |
| F 29 | 16 26 46 | 8°10'10 | 21°27 | 23°10 | 13°28 | 21°20 | 2°55 | 6° 6 | 26°22 | 1°29 | 19°12 | 13°34 | 14°41 | 25°21 | 18°25 | F 29 |
| S 30 | 16 30 43 | 9° 8'08 | 3♊35 | 25° 2 | 14°41 | 21°57 | 2°48 | 6°10 | 26°24 | 1°27 | 19°11 | 13°22 | 14°38 | 25°28 | 18°29 | S 30 |
| S 31 | 16 34 39 | 10♊ 6'06 | 15♊52 | 26♊52 | 15♉53 | 22♋35 | 2♐40 | 6♈15 | 26♌25 | 1♑26 | 19♎10 | 13♌11 | 14♌35 | 25♈34 | 18♉32 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15n 2 | 10n48 | 4s59 | 8n 1 | 2s 7 | 2n19 | 1s33 | 24n37 | 1n21 | 20s 8 | 1n 8 | 0s23 | 1s55 | 13n28 | 0n45 | 21s57 | 1n21 | 8n15 | 17n11 | 15n51 | 15n54 | 4n14 | 14n52 | 1s57 |
| S 2 | 15 20 | 14 2 | 4 56 | 8 45 | 2 2 | 2 46 | 1 34 | 24 36 | 1 21 | 20 7 | 1 8 | 0 20 | 1 55 | 13 28 | 0 45 | 21 57 | 1 21 | 8 15 | 17 11 | 15 55 | 15 55 | 4 16 | 14 53 | 1 57 |
| S 3 | 15 38 | 16 42 | 4 40 | 9 29 | 1 56 | 3 14 | 1 35 | 24 35 | 1 21 | 20 6 | 1 8 | 0 18 | 1 55 | 13 28 | 0 45 | 21 57 | 1 21 | 8 15 | 17 11 | 15 59 | 15 56 | 4 18 | 14 54 | 1 57 |
| M 4 | 15 55 | 18 41 | 4 12 | 10 14 | 1 50 | 3 41 | 1 36 | 24 33 | 1 21 | 20 4 | 1 8 | 0 16 | 1 56 | 13 28 | 0 45 | 21 57 | 1 21 | 8 16 | 17 11 | 16 2 | 15 57 | 4 20 | 14 55 | 1 57 |
| T 5 | 16 12 | 19 48 | 3 30 | 10 59 | 1 43 | 4 8 | 1 37 | 24 31 | 1 21 | 20 3 | 1 8 | 0 13 | 1 56 | 13 28 | 0 45 | 21 57 | 1 21 | 8 16 | 17 11 | 16 4 | 15 58 | 4 22 | 14 56 | 1 57 |
| W 6 | 16 29 | 19 58 | 2 39 | 11 44 | 1 36 | 4 35 | 1 38 | 24 30 | 1 21 | 20 2 | 1 8 | 0 11 | 1 56 | 13 28 | 0 45 | 21 57 | 1 21 | 8 16 | 17 10 | 16 6 | 15 59 | 4 25 | 14 57 | 1 57 |
| T 7 | 16 46 | 19 7 | 1 38 | 12 30 | 1 29 | 5 2 | 1 38 | 24 28 | 1 21 | 20 1 | 1 8 | 0 9 | 1 56 | 13 27 | 0 45 | 21 57 | 1 21 | 8 17 | 17 10 | 16 7 | 16 0 | 4 27 | 14 58 | 1 57 |
| F 8 | 17 3 | 17 14 | 0 30 | 13 15 | 1 21 | 5 29 | 1 39 | 24 25 | 1 21 | 20 0 | 1 8 | 0 7 | 1 56 | 13 27 | 0 45 | 21 57 | 1 21 | 8 17 | 17 10 | 16 7 | 16 1 | 4 29 | 14 59 | 1 57 |
| S 9 | 17 19 | 14 23 | 0n40 | 14 1 | 1 12 | 5 56 | 1 40 | 24 23 | 1 21 | 19 59 | 1 8 | 0 5 | 1 56 | 13 27 | 0 45 | 21 57 | 1 21 | 8 17 | 17 10 | 16 7 | 16 2 | 4 31 | 15 0 | 1 57 |
| S 10 | 17 35 | 10 39 | 1 51 | 14 46 | 1 3 | 6 23 | 1 40 | 24 20 | 1 21 | 19 57 | 1 8 | 0 2 | 1 57 | 13 27 | 0 45 | 21 57 | 1 21 | 8 18 | 17 10 | 16 7 | 16 3 | 4 33 | 15 1 | 1 58 |
| M11 | 17 50 | 6 13 | 2 56 | 15 31 | 0 54 | 6 49 | 1 41 | 24 17 | 1 21 | 19 56 | 1 8 | 0 0 | 1 57 | 13 27 | 0 45 | 21 57 | 1 21 | 8 18 | 17 9 | 16 8 | 16 4 | 4 35 | 15 2 | 1 58 |
| T 12 | 18 5 | 1 19 | 3 52 | 16 15 | 0 45 | 7 16 | 1 41 | 24 15 | 1 21 | 19 55 | 1 8 | 0n 2 | 1 57 | 13 27 | 0 45 | 21 57 | 1 21 | 8 18 | 17 9 | 16 9 | 16 5 | 4 37 | 15 3 | 1 58 |
| W13 | 18 20 | 3s46 | 4 34 | 16 59 | 0 35 | 7 42 | 1 41 | 24 11 | 1 21 | 19 54 | 1 8 | 0 4 | 1 57 | 13 27 | 0 45 | 21 57 | 1 21 | 8 18 | 17 9 | 16 11 | 16 6 | 4 39 | 15 4 | 1 58 |
| T 14 | 18 35 | 8 41 | 4 57 | 17 42 | 0 25 | 8 8 | 1 42 | 24 8 | 1 21 | 19 52 | 1 8 | 0 6 | 1 57 | 13 26 | 0 44 | 21 57 | 1 21 | 8 18 | 17 8 | 16 14 | 16 7 | 4 42 | 15 5 | 1 58 |
| F 15 | 18 49 | 13 4 | 4 59 | 18 25 | 0 15 | 8 34 | 1 42 | 24 5 | 1 21 | 19 51 | 1 8 | 0 8 | 1 57 | 13 26 | 0 44 | 21 57 | 1 21 | 8 19 | 17 8 | 16 17 | 16 8 | 4 44 | 15 6 | 1 58 |
| S 16 | 19 3 | 16 35 | 4 40 | 19 6 | 0 4 | 9 0 | 1 42 | 24 1 | 1 21 | 19 50 | 1 8 | 0 10 | 1 58 | 13 26 | 0 44 | 21 57 | 1 21 | 8 19 | 17 8 | 16 20 | 16 8 | 4 46 | 15 7 | 1 58 |
| S 17 | 19 17 | 18 56 | 4 3 | 19 45 | 0n 6 | 9 26 | 1 42 | 23 57 | 1 21 | 19 48 | 1 8 | 0 12 | 1 58 | 13 26 | 0 44 | 21 57 | 1 21 | 8 19 | 17 8 | 16 23 | 16 9 | 4 48 | 15 7 | 1 58 |
| M18 | 19 30 | 20 1 | 3 12 | 20 24 | 0 17 | 9 51 | 1 42 | 23 53 | 1 21 | 19 47 | 1 8 | 0 14 | 1 58 | 13 25 | 0 44 | 21 57 | 1 21 | 8 19 | 17 7 | 16 25 | 16 10 | 4 50 | 15 8 | 1 58 |
| T 19 | 19 43 | 19 50 | 2 10 | 21 0 | 0 28 | 10 17 | 1 42 | 23 49 | 1 21 | 19 46 | 1 8 | 0 16 | 1 58 | 13 25 | 0 44 | 21 57 | 1 21 | 8 19 | 17 7 | 16 27 | 16 11 | 4 52 | 15 9 | 1 58 |
| W20 | 19 56 | 18 31 | 1 3 | 21 35 | 0 38 | 10 42 | 1 41 | 23 44 | 1 21 | 19 44 | 1 8 | 0 18 | 1 58 | 13 25 | 0 44 | 21 57 | 1 21 | 8 19 | 17 7 | 16 27 | 16 12 | 4 54 | 15 10 | 1 58 |
| T 21 | 20 8 | 16 16 | 0s 5 | 22 8 | 0 48 | 11 7 | 1 41 | 23 40 | 1 21 | 19 43 | 1 8 | 0 20 | 1 59 | 13 24 | 0 44 | 21 57 | 1 22 | 8 20 | 17 6 | 16 27 | 16 13 | 4 56 | 15 11 | 1 58 |
| F 22 | 20 20 | 13 19 | 1 11 | 22 38 | 0 58 | 11 31 | 1 41 | 23 35 | 1 21 | 19 42 | 1 8 | 0 22 | 1 59 | 13 24 | 0 44 | 21 57 | 1 22 | 8 20 | 17 6 | 16 27 | 16 14 | 4 59 | 15 12 | 1 59 |
| S 23 | 20 31 | 9 50 | 2 12 | 23 6 | 1 8 | 11 56 | 1 40 | 23 30 | 1 21 | 19 40 | 1 7 | 0 24 | 1 59 | 13 24 | 0 44 | 21 57 | 1 22 | 8 20 | 17 6 | 16 27 | 16 15 | 5 1 | 15 13 | 1 59 |
| S 24 | 20 43 | 6 1 | 3 6 | 23 32 | 1 17 | 12 20 | 1 40 | 23 25 | 1 21 | 19 39 | 1 7 | 0 25 | 1 59 | 13 23 | 0 44 | 21 57 | 1 22 | 8 20 | 17 5 | 16 28 | 16 16 | 5 3 | 15 14 | 1 59 |
| M25 | 20 53 | 2 1 | 3 51 | 23 55 | 1 26 | 12 44 | 1 39 | 23 20 | 1 21 | 19 38 | 1 7 | 0 27 | 1 59 | 13 23 | 0 44 | 21 57 | 1 22 | 8 20 | 17 5 | 16 29 | 16 17 | 5 5 | 15 15 | 1 59 |
| T 26 | 21 4 | 2n 3 | 4 26 | 24 16 | 1 34 | 13 7 | 1 38 | 23 14 | 1 20 | 19 36 | 1 7 | 0 29 | 2 0 | 13 22 | 0 44 | 21 57 | 1 22 | 8 20 | 17 4 | 16 31 | 16 18 | 5 7 | 15 16 | 1 59 |
| W27 | 21 14 | 6 1 | 4 50 | 24 34 | 1 41 | 13 30 | 1 38 | 23 9 | 1 20 | 19 35 | 1 7 | 0 31 | 2 0 | 13 22 | 0 44 | 21 57 | 1 22 | 8 20 | 17 4 | 16 33 | 16 19 | 5 9 | 15 17 | 1 59 |
| T 28 | 21 24 | 9 47 | 5 1 | 24 49 | 1 48 | 13 53 | 1 37 | 23 3 | 1 20 | 19 34 | 1 7 | 0 32 | 2 0 | 13 21 | 0 44 | 21 57 | 1 22 | 8 20 | 17 4 | 16 36 | 16 20 | 5 11 | 15 18 | 1 59 |
| F 29 | 21 33 | 13 12 | 4 59 | 25 2 | 1 54 | 14 16 | 1 36 | 22 57 | 1 20 | 19 32 | 1 7 | 0 34 | 2 0 | 13 21 | 0 44 | 21 57 | 1 22 | 8 20 | 17 3 | 16 40 | 16 21 | 5 13 | 15 18 | 1 59 |
| S 30 | 21 42 | 16 6 | 4 44 | 25 13 | 2 0 | 14 38 | 1 35 | 22 51 | 1 20 | 19 31 | 1 7 | 0 35 | 2 0 | 13 20 | 0 44 | 21 57 | 1 22 | 8 20 | 17 3 | 16 43 | 16 21 | 5 16 | 15 19 | 1 59 |
| S 31 | 21n51 | 18n20 | 4s15 | 25n21 | 2n 4 | 15n 0 | 1s34 | 22n45 | 1n20 | 19s30 | 1n 7 | 0n37 | 2s 1 | 13n20 | 0n44 | 21s57 | 1n22 | 8n20 | 17n 2 | 16n46 | 16n22 | 5n18 | 15n20 | 2s 0 |

Julian Day Number = 2804854.5, Delta T = 51m23s
Ecliptic obliquity = 23°18'44, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°16'51, Lahiri = 37°23'52


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# ASTRODIENST EPHEMERIS for the year 2967
# geocentric

## JUNE 2967 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 38 36 | 11♊ 4'01 | 28♊18 | 28♊38 | 17♉ 6 | 23♋13 | 2°R33 | 6♈19 | 26♌27 | 1°R24 | 19°R10 | 13°R 1 | 14♌31 | 25♈41 | 18♉36 | M 1 |
| T 2 | 16 42 32 | 12° 1'55 | 10♋54 | 0♋22 | 18°19 | 23°51 | 2♐25 | 6°24 | 26°28 | 1♑23 | 19♎ 9 | 12♌55 | 14°28 | 25°48 | 18°40 | T 2 |
| W 3 | 16 46 29 | 12°59'48 | 23°42 | 2° 2 | 19°32 | 24°28 | 2°18 | 6°28 | 26°30 | 1°21 | 19° 8 | 12°51 | 14°25 | 25°54 | 18°43 | W 3 |
| T 4 | 16 50 26 | 13°57'39 | 6♌41 | 3°39 | 20°45 | 25° 6 | 2°10 | 6°32 | 26°31 | 1°20 | 19° 7 | 12°D49 | 14°22 | 26° 1 | 18°47 | T 4 |
| F 5 | 16 54 22 | 14°55'28 | 19°54 | 5°13 | 21°58 | 25°44 | 2° 3 | 6°36 | 26°33 | 1°18 | 19° 6 | 12°49 | 14°19 | 26° 8 | 18°50 | F 5 |
| S 6 | 16 58 19 | 15°53'16 | 3♍23 | 6°43 | 23°11 | 26°22 | 1°56 | 6°40 | 26°35 | 1°17 | 19° 6 | 12°50 | 14°16 | 26°15 | 18°54 | S 6 |
| S 7 | 17 2 15 | 16°51'02 | 17° 8 | 8°10 | 24°24 | 26°59 | 1°48 | 6°44 | 26°37 | 1°15 | 19° 5 | 12°R50 | 14°12 | 26°21 | 18°57 | S 7 |
| M 8 | 17 6 12 | 17°48'46 | 1♎11 | 9°34 | 25°37 | 27°37 | 1°41 | 6°48 | 26°38 | 1°14 | 19° 4 | 12°49 | 14° 9 | 26°28 | 19° 0 | M 8 |
| T 9 | 17 10 8 | 18°46'29 | 15°32 | 10°54 | 26°50 | 28°15 | 1°34 | 6°52 | 26°40 | 1°12 | 19° 4 | 12°47 | 14° 6 | 26°35 | 19° 4 | T 9 |
| W10 | 17 14 5 | 19°44'10 | 0♏ 7 | 12°11 | 28° 3 | 28°53 | 1°27 | 6°56 | 26°42 | 1°10 | 19° 3 | 12°42 | 14° 3 | 26°41 | 19° 7 | W10 |
| T 11 | 17 18 1 | 20°41'50 | 14°53 | 13°24 | 29°16 | 29°30 | 1°20 | 6°59 | 26°44 | 1° 9 | 19° 2 | 12°35 | 14° 0 | 26°48 | 19°10 | T 11 |
| F 12 | 17 21 58 | 21°39'29 | 29°41 | 14°33 | 0♊29 | 0♌ 8 | 1°14 | 7° 3 | 26°46 | 1° 7 | 19° 2 | 12°28 | 13°57 | 26°55 | 19°14 | F 12 |
| S 13 | 17 25 55 | 22°37'06 | 14♐24 | 15°39 | 1°42 | 0°46 | 1° 7 | 7° 7 | 26°48 | 1° 6 | 19° 1 | 12°20 | 13°53 | 27° 2 | 19°17 | S 13 |
| S 14 | 17 29 51 | 23°34'42 | 28°55 | 16°40 | 2°55 | 1°24 | 1° 0 | 7°10 | 26°50 | 1° 4 | 19° 1 | 12°13 | 13°50 | 27° 8 | 19°20 | S 14 |
| M15 | 17 33 48 | 24°32'17 | 13♑ 6 | 17°39 | 4° 8 | 2° 1 | 0°54 | 7°13 | 26°52 | 1° 2 | 19° 0 | 12° 8 | 13°47 | 27°15 | 19°24 | M15 |
| T 16 | 17 37 44 | 25°29'51 | 26°53 | 18°33 | 5°21 | 2°39 | 0°47 | 7°17 | 26°54 | 1° 1 | 19° 0 | 12° 5 | 13°44 | 27°22 | 19°27 | T 16 |
| W17 | 17 41 41 | 26°27'24 | 10♒16 | 19°23 | 6°34 | 3°17 | 0°41 | 7°20 | 26°57 | 0°59 | 18°59 | 12°D 4 | 13°41 | 27°28 | 19°30 | W17 |
| T 18 | 17 45 37 | 27°24'56 | 23°13 | 20° 9 | 7°47 | 3°54 | 0°35 | 7°23 | 26°59 | 0°58 | 18°59 | 12° 5 | 13°37 | 27°35 | 19°33 | T 18 |
| F 19 | 17 49 34 | 28°22'27 | 5♓49 | 20°52 | 9° 1 | 4°32 | 0°29 | 7°26 | 27° 1 | 0°56 | 18°59 | 12° 6 | 13°34 | 27°42 | 19°36 | F 19 |
| S 20 | 17 53 30 | 29°19'58 | 18° 7 | 21°29 | 10°14 | 5°10 | 0°23 | 7°29 | 27° 4 | 0°54 | 18°58 | 12° 7 | 13°31 | 27°49 | 19°39 | S 20 |
| S 21 | 17 57 27 | 0♋17'27 | 0♈11 | 22° 3 | 11°27 | 5°47 | 0°17 | 7°31 | 27° 6 | 0°53 | 18°58 | 12°R 8 | 13°28 | 27°55 | 19°42 | S 21 |
| M22 | 18 1 24 | 1°14'56 | 12° 6 | 22°32 | 12°40 | 6°25 | 0°11 | 7°34 | 27° 8 | 0°51 | 18°58 | 12° 7 | 13°25 | 28° 2 | 19°45 | M22 |
| T 23 | 18 5 20 | 2°12'25 | 23°58 | 22°57 | 13°53 | 7° 3 | 0° 6 | 7°37 | 27°11 | 0°50 | 18°58 | 12° 5 | 13°22 | 28° 9 | 19°48 | T 23 |
| W24 | 18 9 17 | 3° 9'53 | 5♉51 | 23°18 | 15° 6 | 7°40 | 0° 0 | 7°39 | 27°13 | 0°48 | 18°57 | 12° 1 | 13°18 | 28°15 | 19°51 | W24 |
| T 25 | 18 13 13 | 4° 7'20 | 17°49 | 23°33 | 16°19 | 8°18 | 29♏55 | 7°42 | 27°16 | 0°46 | 18°57 | 11°56 | 13°15 | 28°22 | 19°54 | T 25 |
| F 26 | 18 17 10 | 5° 4'47 | 29°55 | 23°45 | 17°32 | 8°56 | 29°50 | 7°44 | 27°18 | 0°45 | 18°57 | 11°49 | 13°12 | 28°29 | 19°57 | F 26 |
| S 27 | 18 21 6 | 6° 2'13 | 12♊11 | 23°51 | 18°46 | 9°33 | 29°45 | 7°46 | 27°21 | 0°43 | 18°57 | 11°43 | 13° 9 | 28°36 | 20° 0 | S 27 |
| S 28 | 18 25 3 | 6°59'38 | 24°40 | 23°R54 | 19°59 | 10°11 | 29°40 | 7°48 | 27°24 | 0°41 | 18°57 | 11°37 | 13° 6 | 28°42 | 20° 3 | S 28 |
| M29 | 18 28 59 | 7°57'03 | 7♋22 | 23°51 | 21°12 | 10°49 | 29°35 | 7°50 | 27°26 | 0°40 | 18°D57 | 11°32 | 13° 3 | 28°49 | 20° 6 | M29 |
| T 30 | 18 32 56 | 8♋54'27 | 20♋17 | 23♋44 | 22♊25 | 11♌27 | 29♏31 | 7♈52 | 27♌29 | 0♑38 | 18♎57 | 11♌29 | 12♌59 | 28♈56 | 20♉ 9 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21n59 | 19n44 | 3s34 | 25n27 | 2n 8 | 15n22 | 1s33 | 22n38 | 1n20 | 19s28 | 1n 7 | 0n39 | 2s 1 | 13n19 | 0n44 | 21s57 | 1n22 | 8n20 | 17n 2 | 16n49 | 16n23 | 5n20 | 15n21 | 2s 0 |
| T 2 | 22 7 | 20 11 | 2 42 | 25 30 | 2 11 | 15 43 | 1 32 | 22 32 | 1 20 | 19 27 | 1 6 | 0 40 | 2 1 | 13 19 | 0 44 | 21 57 | 1 22 | 8 20 | 17 2 | 16 51 | 16 24 | 5 22 | 15 22 | 2 0 |
| W 3 | 22 14 | 19 36 | 1 40 | 25 31 | 2 14 | 16 4 | 1 31 | 22 25 | 1 20 | 19 26 | 1 6 | 0 42 | 2 1 | 13 18 | 0 44 | 21 57 | 1 22 | 8 20 | 17 1 | 16 52 | 16 25 | 5 24 | 15 23 | 2 0 |
| T 4 | 22 21 | 17 58 | 0 33 | 25 31 | 2 15 | 16 24 | 1 30 | 22 18 | 1 20 | 19 24 | 1 6 | 0 43 | 2 2 | 13 18 | 0 44 | 21 57 | 1 22 | 8 19 | 17 1 | 16 53 | 16 26 | 5 26 | 15 24 | 2 0 |
| F 5 | 22 28 | 15 22 | 0n38 | 25 28 | 2 15 | 16 44 | 1 28 | 22 11 | 1 19 | 19 23 | 1 6 | 0 45 | 2 2 | 13 17 | 0 44 | 21 57 | 1 22 | 8 19 | 17 0 | 16 53 | 16 27 | 5 28 | 15 24 | 2 0 |
| S 6 | 22 34 | 11 54 | 1 48 | 25 24 | 2 15 | 17 4 | 1 27 | 22 4 | 1 19 | 19 22 | 1 6 | 0 46 | 2 2 | 13 16 | 0 44 | 21 57 | 1 22 | 8 19 | 17 0 | 16 52 | 16 28 | 5 31 | 15 25 | 2 0 |
| S 7 | 22 40 | 7 43 | 2 53 | 25 17 | 2 14 | 17 23 | 1 25 | 21 57 | 1 19 | 19 20 | 1 6 | 0 47 | 2 2 | 13 16 | 0 44 | 21 57 | 1 22 | 8 19 | 16 59 | 16 52 | 16 29 | 5 33 | 15 26 | 2 0 |
| M 8 | 22 45 | 3 2 | 3 49 | 25 10 | 2 12 | 17 42 | 1 24 | 21 49 | 1 19 | 19 19 | 1 6 | 0 49 | 2 2 | 13 15 | 0 44 | 21 57 | 1 22 | 8 19 | 16 59 | 16 52 | 16 30 | 5 35 | 15 27 | 2 0 |
| T 9 | 22 50 | 1s53 | 4 33 | 25 1 | 2 9 | 18 1 | 1 22 | 21 41 | 1 19 | 19 18 | 1 6 | 0 50 | 2 3 | 13 15 | 0 44 | 21 57 | 1 22 | 8 19 | 16 59 | 16 53 | 16 31 | 5 37 | 15 28 | 2 1 |
| W10 | 22 55 | 6 47 | 4 59 | 24 50 | 2 5 | 18 18 | 1 21 | 21 34 | 1 19 | 19 17 | 1 5 | 0 51 | 2 3 | 13 14 | 0 44 | 21 57 | 1 22 | 8 18 | 16 58 | 16 55 | 16 32 | 5 39 | 15 28 | 2 1 |
| T 11 | 22 59 | 11 20 | 5 6 | 24 38 | 2 0 | 18 36 | 1 19 | 21 26 | 1 19 | 19 15 | 1 5 | 0 52 | 2 3 | 13 13 | 0 43 | 21 57 | 1 22 | 8 18 | 16 58 | 16 56 | 16 32 | 5 41 | 15 29 | 2 1 |
| F 12 | 23 3 | 15 12 | 4 53 | 24 26 | 1 55 | 18 53 | 1 18 | 21 18 | 1 19 | 19 14 | 1 5 | 0 54 | 2 3 | 13 12 | 0 43 | 21 57 | 1 22 | 8 18 | 16 57 | 16 58 | 16 33 | 5 43 | 15 30 | 2 1 |
| S 13 | 23 6 | 18 6 | 4 20 | 24 12 | 1 49 | 19 9 | 1 16 | 21 9 | 1 18 | 19 13 | 1 5 | 0 55 | 2 4 | 13 12 | 0 43 | 21 57 | 1 22 | 8 18 | 16 57 | 17 1 | 16 34 | 5 45 | 15 31 | 2 1 |
| S 14 | 23 9 | 19 47 | 3 31 | 23 57 | 1 41 | 19 25 | 1 14 | 21 1 | 1 18 | 19 12 | 1 5 | 0 56 | 2 4 | 13 11 | 0 43 | 21 57 | 1 22 | 8 18 | 16 56 | 17 2 | 16 35 | 5 48 | 15 31 | 2 1 |
| M15 | 23 12 | 20 11 | 2 30 | 23 42 | 1 33 | 19 41 | 1 12 | 20 52 | 1 18 | 19 11 | 1 5 | 0 57 | 2 4 | 13 10 | 0 43 | 21 57 | 1 22 | 8 17 | 16 56 | 17 4 | 16 36 | 5 50 | 15 32 | 2 1 |
| T 16 | 23 14 | 19 20 | 1 21 | 23 26 | 1 24 | 19 56 | 1 10 | 20 44 | 1 18 | 19 9 | 1 4 | 0 58 | 2 4 | 13 9 | 0 43 | 21 57 | 1 22 | 8 17 | 16 55 | 17 5 | 16 37 | 5 52 | 15 33 | 2 2 |
| W17 | 23 16 | 17 25 | 0 10 | 23 9 | 1 15 | 20 10 | 1 8 | 20 35 | 1 18 | 19 8 | 1 4 | 0 59 | 2 5 | 13 9 | 0 43 | 21 57 | 1 22 | 8 17 | 16 55 | 17 5 | 16 38 | 5 54 | 15 34 | 2 2 |
| T 18 | 23 17 | 14 39 | 1s 0 | 22 52 | 1 4 | 20 24 | 1 6 | 20 26 | 1 18 | 19 7 | 1 4 | 1 0 | 2 5 | 13 8 | 0 43 | 21 57 | 1 22 | 8 16 | 16 54 | 17 5 | 16 39 | 5 56 | 15 34 | 2 2 |
| F 19 | 23 18 | 11 16 | 2 5 | 22 35 | 0 53 | 20 37 | 1 4 | 20 17 | 1 17 | 19 6 | 1 4 | 1 1 | 2 5 | 13 7 | 0 43 | 21 57 | 1 22 | 8 16 | 16 54 | 17 5 | 16 40 | 5 58 | 15 35 | 2 2 |
| S 20 | 23 19 | 7 29 | 3 3 | 22 17 | 0 41 | 20 50 | 1 2 | 20 8 | 1 17 | 19 5 | 1 4 | 1 2 | 2 5 | 13 6 | 0 43 | 21 57 | 1 22 | 8 16 | 16 53 | 17 4 | 16 41 | 6 0 | 15 36 | 2 2 |
| S 21 | 23 19 | 3 28 | 3 51 | 21 59 | 0 28 | 21 2 | 1 0 | 19 58 | 1 17 | 19 4 | 1 3 | 1 3 | 2 6 | 13 5 | 0 43 | 21 57 | 1 22 | 8 15 | 16 53 | 17 4 | 16 42 | 6 2 | 15 36 | 2 2 |
| M22 | 23 18 | 0n38 | 4 29 | 21 41 | 0 15 | 21 14 | 0 58 | 19 49 | 1 17 | 19 3 | 1 3 | 1 3 | 2 6 | 13 5 | 0 43 | 21 57 | 1 22 | 8 15 | 16 52 | 17 4 | 16 42 | 6 5 | 15 37 | 2 2 |
| T 23 | 23 18 | 4 41 | 4 55 | 21 23 | 0 1 | 21 25 | 0 56 | 19 39 | 1 17 | 19 2 | 1 3 | 1 4 | 2 6 | 13 4 | 0 43 | 21 57 | 1 22 | 8 15 | 16 52 | 17 5 | 16 43 | 6 7 | 15 38 | 2 3 |
| W24 | 23 16 | 8 33 | 5 8 | 21 5 | 0s14 | 21 35 | 0 54 | 19 29 | 1 17 | 19 1 | 1 3 | 1 5 | 2 6 | 13 3 | 0 43 | 21 57 | 1 22 | 8 14 | 16 51 | 17 6 | 16 44 | 6 9 | 15 38 | 2 3 |
| T 25 | 23 15 | 12 7 | 5 8 | 20 47 | 0 29 | 21 45 | 0 52 | 19 19 | 1 16 | 19 0 | 1 3 | 1 6 | 2 7 | 13 2 | 0 43 | 21 57 | 1 22 | 8 14 | 16 51 | 17 7 | 16 45 | 6 11 | 15 39 | 2 3 |
| F 26 | 23 13 | 15 13 | 4 55 | 20 30 | 0 45 | 21 55 | 0 49 | 19 9 | 1 16 | 18 59 | 1 2 | 1 6 | 2 7 | 13 1 | 0 43 | 21 57 | 1 22 | 8 13 | 16 50 | 17 9 | 16 46 | 6 13 | 15 40 | 2 3 |
| S 27 | 23 10 | 17 43 | 4 28 | 20 13 | 1 1 | 22 3 | 0 47 | 18 59 | 1 16 | 18 59 | 1 2 | 1 7 | 2 7 | 13 0 | 0 43 | 21 57 | 1 22 | 8 13 | 16 50 | 17 11 | 16 47 | 6 15 | 15 40 | 2 3 |
| S 28 | 23 8 | 19 25 | 3 47 | 19 56 | 1 18 | 22 11 | 0 45 | 18 49 | 1 16 | 18 58 | 1 2 | 1 8 | 2 7 | 12 59 | 0 43 | 21 57 | 1 22 | 8 12 | 16 49 | 17 13 | 16 48 | 6 17 | 15 41 | 2 3 |
| M29 | 23 4 | 20 12 | 2 55 | 19 40 | 1 34 | 22 19 | 0 43 | 18 39 | 1 16 | 18 57 | 1 2 | 1 8 | 2 8 | 12 58 | 0 43 | 21 57 | 1 22 | 8 12 | 16 49 | 17 14 | 16 49 | 6 20 | 15 41 | 2 3 |
| T 30 | 23n 1 | 19n56 | 1s53 | 19n25 | 1s51 | 22n26 | 0s40 | 18n28 | 1n16 | 18s56 | 1n 2 | 1n 9 | 2s 8 | 12n57 | 0n43 | 21s57 | 1n22 | 8n12 | 16n48 | 17n15 | 16n50 | 6n22 | 15n42 | 2s 4 |

Julian Day Number = 2804885.5, Delta T = 51m24s
Ecliptic obliquity = 23°18'43, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°16'56, Lahiri = 37°23'56


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# ASTRODIENST EPHEMERIS for the year 2967
# geocentric

## JULY 2967 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 36 53 | 9♋51'50 | 3♌25 | 23°R33 | 23♊39 | 12♌ 4 | 29°R26 | 7♈54 | 27♌32 | 0°R37 | 18♎57 | 11°R27 | 12♌56 | 29♈ 3 | 20♉11 | W 1 |
| T 2 | 18 40 49 | 10°49'13 | 16°45 | 23♋18 | 24°52 | 12°42 | 29♏22 | 7°56 | 27°35 | 0♑35 | 18°57 | 11°D27 | 12°53 | 29° 9 | 20°14 | T 2 |
| F 3 | 18 44 46 | 11°46'34 | 0♍18 | 22°59 | 26° 5 | 13°20 | 29°18 | 7°58 | 27°37 | 0°33 | 18°57 | 11♌28 | 12°50 | 29°16 | 20°17 | F 3 |
| S 4 | 18 48 42 | 12°43'55 | 14° 2 | 22°37 | 27°18 | 13°57 | 29°14 | 7°59 | 27°40 | 0°32 | 18°58 | 11°30 | 12°47 | 29°23 | 20°19 | S 4 |
| S 5 | 18 52 39 | 13°41'15 | 27°56 | 22°11 | 28°31 | 14°35 | 29°10 | 8° 1 | 27°43 | 0°30 | 18°58 | 11°31 | 12°43 | 29°29 | 20°22 | S 5 |
| M 6 | 18 56 35 | 14°38'34 | 12♎ 1 | 21°42 | 29°45 | 15°13 | 29° 7 | 8° 2 | 27°46 | 0°29 | 18°58 | 11°R32 | 12°40 | 29°36 | 20°24 | M 6 |
| T 7 | 19 0 32 | 15°35'52 | 26°15 | 21°11 | 0♋58 | 15°50 | 29° 3 | 8° 3 | 27°49 | 0°27 | 18°58 | 11°31 | 12°37 | 29°43 | 20°27 | T 7 |
| W 8 | 19 4 29 | 16°33'10 | 10♏34 | 20°38 | 2°11 | 16°28 | 29° 0 | 8° 4 | 27°52 | 0°26 | 18°58 | 11°30 | 12°34 | 29°50 | 20°29 | W 8 |
| T 9 | 19 8 25 | 17°30'27 | 24°57 | 20° 4 | 3°25 | 17° 6 | 28°57 | 8° 5 | 27°55 | 0°24 | 18°59 | 11°27 | 12°31 | 29°56 | 20°32 | T 9 |
| F 10 | 19 12 22 | 18°27'43 | 9♐19 | 19°29 | 4°38 | 17°43 | 28°54 | 8° 6 | 27°58 | 0°23 | 18°59 | 11°24 | 12°28 | 0♉ 3 | 20°34 | F 10 |
| S 11 | 19 16 18 | 19°24'59 | 23°35 | 18°54 | 5°51 | 18°21 | 28°51 | 8° 7 | 28° 1 | 0°21 | 19° 0 | 11°21 | 12°24 | 0°10 | 20°37 | S 11 |
| S 12 | 19 20 15 | 20°22'14 | 7♑40 | 18°19 | 7° 5 | 18°59 | 28°49 | 8° 8 | 28° 4 | 0°20 | 19° 0 | 11°19 | 12°21 | 0°16 | 20°39 | S 12 |
| M13 | 19 24 11 | 21°19'29 | 21°31 | 17°45 | 8°18 | 19°36 | 28°46 | 8° 9 | 28° 7 | 0°18 | 19° 0 | 11°17 | 12°18 | 0°23 | 20°41 | M13 |
| T 14 | 19 28 8 | 22°16'44 | 5♒ 3 | 17°13 | 9°31 | 20°14 | 28°44 | 8° 9 | 28°11 | 0°17 | 19° 1 | 11°D16 | 12°15 | 0°30 | 20°43 | T 14 |
| W15 | 19 32 4 | 23°13'58 | 18°16 | 16°43 | 10°45 | 20°51 | 28°42 | 8°10 | 28°14 | 0°15 | 19° 1 | 11°16 | 12°12 | 0°37 | 20°45 | W15 |
| T 16 | 19 36 1 | 24°11'13 | 1♓ 9 | 16°16 | 11°58 | 21°29 | 28°40 | 8°10 | 28°17 | 0°14 | 19° 2 | 11°17 | 12° 9 | 0°43 | 20°48 | T 16 |
| F 17 | 19 39 58 | 25° 8'27 | 13°43 | 15°52 | 13°12 | 22° 7 | 28°38 | 8°10 | 28°20 | 0°12 | 19° 2 | 11°18 | 12° 5 | 0°50 | 20°50 | F 17 |
| S 18 | 19 43 54 | 26° 5'41 | 26° 1 | 15°32 | 14°25 | 22°44 | 28°37 | 8°11 | 28°23 | 0°11 | 19° 3 | 11°19 | 12° 2 | 0°57 | 20°52 | S 18 |
| S 19 | 19 47 51 | 27° 2'56 | 8♈ 7 | 15°15 | 15°38 | 23°22 | 28°35 | 8°R11 | 28°27 | 0° 9 | 19° 4 | 11°20 | 11°59 | 1° 3 | 20°54 | S 19 |
| M20 | 19 51 47 | 28° 0'10 | 20° 4 | 15° 3 | 16°52 | 24° 0 | 28°34 | 8°11 | 28°30 | 0° 8 | 19° 4 | 11°21 | 11°56 | 1°10 | 20°56 | M20 |
| T 21 | 19 55 44 | 28°57'25 | 1♉58 | 14°56 | 18° 5 | 24°37 | 28°33 | 8°10 | 28°33 | 0° 7 | 19° 5 | 11°R21 | 11°53 | 1°17 | 20°57 | T 21 |
| W22 | 19 59 40 | 29°54'40 | 13°52 | 14°D53 | 19°19 | 25°15 | 28°33 | 8°10 | 28°37 | 0° 5 | 19° 6 | 11°21 | 11°49 | 1°24 | 20°59 | W22 |
| T 23 | 20 3 37 | 0♌51'55 | 25°52 | 14°55 | 20°33 | 25°53 | 28°32 | 8°10 | 28°40 | 0° 4 | 19° 7 | 11°20 | 11°46 | 1°30 | 21° 1 | T 23 |
| F 24 | 20 7 33 | 1°49'11 | 8♊ 1 | 15° 3 | 21°46 | 26°31 | 28°31 | 8°10 | 28°44 | 0° 3 | 19° 7 | 11°19 | 11°43 | 1°37 | 21° 3 | F 24 |
| S 25 | 20 11 30 | 2°46'27 | 20°23 | 15°15 | 23° 0 | 27° 8 | 28°31 | 8° 9 | 28°47 | 0° 1 | 19° 8 | 11°18 | 11°40 | 1°44 | 21° 4 | S 25 |
| S 26 | 20 15 27 | 3°43'43 | 3♋ 0 | 15°33 | 24°13 | 27°46 | 28°D31 | 8° 8 | 28°50 | 0° 0 | 19° 9 | 11°17 | 11°37 | 1°51 | 21° 6 | S 26 |
| M27 | 20 19 23 | 4°40'59 | 15°55 | 15°56 | 25°27 | 28°24 | 28°31 | 8° 8 | 28°54 | 29♐59 | 19°10 | 11°16 | 11°34 | 1°57 | 21° 8 | M27 |
| T 28 | 20 23 20 | 5°38'16 | 29° 8 | 16°24 | 26°40 | 29° 1 | 28°32 | 8° 7 | 28°57 | 29°57 | 19°11 | 11°16 | 11°30 | 2° 4 | 21° 9 | T 28 |
| W29 | 20 27 16 | 6°35'33 | 12♌38 | 16°57 | 27°54 | 29°39 | 28°32 | 8° 6 | 29° 1 | 29°56 | 19°12 | 11°D15 | 11°27 | 2°11 | 21°11 | W29 |
| T 30 | 20 31 13 | 7°32'50 | 26°24 | 17°36 | 29° 8 | 0♍17 | 28°33 | 8° 5 | 29° 4 | 29°55 | 19°13 | 11°16 | 11°24 | 2°17 | 21°12 | T 30 |
| F 31 | 20 35 9 | 8♌30'07 | 10♍23 | 18♋20 | 0♌21 | 0♍55 | 28♏33 | 8♈ 4 | 29♌ 8 | 29♐54 | 19♎14 | 11♌16 | 11♌21 | 2♉24 | 21♉14 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n57 | 18n35 | 0s44 | 19n10 | 2s 8 | 22n32 | 0s38 | 18n17 | 1n15 | 18s55 | 1n 1 | 1n 9 | 2s 8 | 12n56 | 0n43 | 21s57 | 1n22 | 8n11 | 16n48 | 17n15 | 16n50 | 6n24 | 15n42 | 2s 4 |
| T 2 | 22 52 | 16 12 | 0n29 | 18 56 | 2 25 | 22 37 | 0 36 | 18 7 | 1 15 | 18 55 | 1 1 | 1 10 | 2 8 | 12 55 | 0 43 | 21 57 | 1 22 | 8 11 | 16 47 | 17 15 | 16 51 | 6 26 | 15 43 | 2 4 |
| F 3 | 22 48 | 12 53 | 1 41 | 18 43 | 2 41 | 22 42 | 0 33 | 17 56 | 1 15 | 18 54 | 1 1 | 1 10 | 2 9 | 12 54 | 0 43 | 21 57 | 1 22 | 8 10 | 16 47 | 17 15 | 16 52 | 6 28 | 15 44 | 2 4 |
| S 4 | 22 42 | 8 51 | 2 49 | 18 30 | 2 58 | 22 46 | 0 31 | 17 45 | 1 15 | 18 53 | 1 1 | 1 10 | 2 9 | 12 53 | 0 43 | 21 57 | 1 22 | 8 9 | 16 46 | 17 15 | 16 53 | 6 30 | 15 44 | 2 4 |
| S 5 | 22 37 | 4 18 | 3 48 | 18 19 | 3 13 | 22 50 | 0 28 | 17 34 | 1 15 | 18 53 | 1 0 | 1 11 | 2 9 | 12 52 | 0 43 | 21 57 | 1 22 | 8 9 | 16 46 | 17 14 | 16 54 | 6 32 | 15 45 | 2 4 |
| M 6 | 22 31 | 0s32 | 4 33 | 18 9 | 3 28 | 22 53 | 0 26 | 17 23 | 1 14 | 18 52 | 1 0 | 1 11 | 2 10 | 12 51 | 0 43 | 21 57 | 1 22 | 8 8 | 16 45 | 17 14 | 16 55 | 6 34 | 15 45 | 2 5 |
| T 7 | 22 24 | 5 22 | 5 3 | 18 0 | 3 42 | 22 55 | 0 23 | 17 11 | 1 14 | 18 52 | 1 0 | 1 11 | 2 10 | 12 50 | 0 43 | 21 57 | 1 22 | 8 8 | 16 45 | 17 14 | 16 56 | 6 37 | 15 46 | 2 5 |
| W 8 | 22 18 | 9 56 | 5 14 | 17 51 | 3 55 | 22 57 | 0 21 | 17 0 | 1 14 | 18 51 | 1 0 | 1 12 | 2 10 | 12 49 | 0 43 | 21 57 | 1 21 | 8 7 | 16 44 | 17 15 | 16 57 | 6 39 | 15 46 | 2 5 |
| T 9 | 22 10 | 13 58 | 5 5 | 17 44 | 4 7 | 22 58 | 0 19 | 16 48 | 1 14 | 18 51 | 1 0 | 1 12 | 2 10 | 12 48 | 0 43 | 21 57 | 1 21 | 8 7 | 16 44 | 17 15 | 16 58 | 6 41 | 15 47 | 2 5 |
| F 10 | 22 3 | 17 9 | 4 38 | 17 39 | 4 18 | 22 58 | 0 16 | 16 37 | 1 14 | 18 50 | 0 59 | 1 12 | 2 11 | 12 47 | 0 43 | 21 57 | 1 21 | 8 6 | 16 43 | 17 16 | 16 59 | 6 43 | 15 47 | 2 5 |
| S 11 | 21 55 | 19 17 | 3 53 | 17 34 | 4 28 | 22 57 | 0 14 | 16 25 | 1 13 | 18 50 | 0 59 | 1 12 | 2 11 | 12 46 | 0 43 | 21 57 | 1 21 | 8 5 | 16 43 | 17 17 | 16 59 | 6 45 | 15 47 | 2 5 |
| S 12 | 21 47 | 20 11 | 2 55 | 17 31 | 4 36 | 22 56 | 0 11 | 16 13 | 1 13 | 18 50 | 0 59 | 1 12 | 2 11 | 12 45 | 0 43 | 21 57 | 1 21 | 8 5 | 16 42 | 17 18 | 17 0 | 6 47 | 15 48 | 2 6 |
| M13 | 21 38 | 19 51 | 1 47 | 17 29 | 4 42 | 22 55 | 0 9 | 16 1 | 1 13 | 18 49 | 0 59 | 1 12 | 2 11 | 12 44 | 0 43 | 21 57 | 1 21 | 8 4 | 16 42 | 17 18 | 17 1 | 6 49 | 15 48 | 2 6 |
| T 14 | 21 29 | 18 21 | 0 34 | 17 28 | 4 47 | 22 52 | 0 6 | 15 49 | 1 13 | 18 49 | 0 58 | 1 12 | 2 12 | 12 43 | 0 43 | 21 57 | 1 21 | 8 3 | 16 41 | 17 18 | 17 2 | 6 52 | 15 49 | 2 6 |
| W15 | 21 19 | 15 53 | 0s39 | 17 28 | 4 51 | 22 49 | 0 4 | 15 37 | 1 13 | 18 49 | 0 58 | 1 12 | 2 12 | 12 42 | 0 43 | 21 57 | 1 21 | 8 3 | 16 41 | 17 18 | 17 3 | 6 54 | 15 49 | 2 6 |
| T 16 | 21 10 | 12 41 | 1 48 | 17 29 | 4 52 | 22 45 | 0 1 | 15 25 | 1 12 | 18 49 | 0 58 | 1 12 | 2 12 | 12 40 | 0 43 | 21 57 | 1 21 | 8 2 | 16 40 | 17 18 | 17 4 | 6 56 | 15 49 | 2 6 |
| F 17 | 21 0 | 8 59 | 2 50 | 17 32 | 4 53 | 22 41 | 0n 1 | 15 12 | 1 12 | 18 49 | 0 58 | 1 12 | 2 12 | 12 39 | 0 43 | 21 57 | 1 21 | 8 1 | 16 40 | 17 18 | 17 5 | 6 58 | 15 50 | 2 7 |
| S 18 | 20 49 | 4 59 | 3 43 | 17 35 | 4 51 | 22 36 | 0 4 | 15 0 | 1 12 | 18 49 | 0 57 | 1 12 | 2 13 | 12 38 | 0 43 | 21 57 | 1 21 | 8 1 | 16 39 | 17 17 | 17 6 | 7 0 | 15 50 | 2 7 |
| S 19 | 20 38 | 0 51 | 4 25 | 17 40 | 4 49 | 22 30 | 0 6 | 14 47 | 1 12 | 18 49 | 0 57 | 1 11 | 2 13 | 12 37 | 0 43 | 21 57 | 1 21 | 8 0 | 16 39 | 17 17 | 17 6 | 7 2 | 15 50 | 2 7 |
| M20 | 20 27 | 3n15 | 4 55 | 17 45 | 4 45 | 22 24 | 0 9 | 14 35 | 1 11 | 18 49 | 0 57 | 1 11 | 2 13 | 12 36 | 0 43 | 21 58 | 1 21 | 7 59 | 16 38 | 17 17 | 17 7 | 7 4 | 15 51 | 2 7 |
| T 21 | 20 16 | 7 12 | 5 12 | 17 51 | 4 39 | 22 17 | 0 11 | 14 22 | 1 11 | 18 49 | 0 57 | 1 11 | 2 13 | 12 35 | 0 43 | 21 58 | 1 21 | 7 59 | 16 38 | 17 17 | 17 8 | 7 6 | 15 51 | 2 7 |
| W22 | 20 4 | 10 53 | 5 16 | 17 58 | 4 33 | 22 9 | 0 13 | 14 9 | 1 11 | 18 49 | 0 56 | 1 10 | 2 14 | 12 34 | 0 43 | 21 58 | 1 21 | 7 58 | 16 37 | 17 17 | 17 9 | 7 9 | 15 51 | 2 7 |
| T 23 | 19 51 | 14 9 | 5 6 | 18 6 | 4 25 | 22 1 | 0 16 | 13 56 | 1 11 | 18 49 | 0 56 | 1 10 | 2 14 | 12 32 | 0 42 | 21 58 | 1 21 | 7 57 | 16 37 | 17 17 | 17 10 | 7 11 | 15 52 | 2 8 |
| F 24 | 19 39 | 16 52 | 4 43 | 18 13 | 4 16 | 21 52 | 0 18 | 13 43 | 1 10 | 18 49 | 0 56 | 1 10 | 2 14 | 12 31 | 0 42 | 21 58 | 1 21 | 7 56 | 16 36 | 17 18 | 17 11 | 7 13 | 15 52 | 2 8 |
| S 25 | 19 26 | 18 53 | 4 6 | 18 22 | 4 6 | 21 42 | 0 20 | 13 30 | 1 10 | 18 49 | 0 56 | 1 9 | 2 15 | 12 30 | 0 42 | 21 58 | 1 21 | 7 56 | 16 36 | 17 18 | 17 12 | 7 15 | 15 52 | 2 8 |
| S 26 | 19 13 | 20 0 | 3 16 | 18 30 | 3 56 | 21 32 | 0 23 | 13 17 | 1 10 | 18 49 | 0 56 | 1 9 | 2 15 | 12 29 | 0 42 | 21 58 | 1 21 | 7 55 | 16 35 | 17 18 | 17 13 | 7 17 | 15 52 | 2 8 |
| M27 | 18 59 | 20 7 | 2 16 | 18 39 | 3 45 | 21 21 | 0 25 | 13 4 | 1 10 | 18 50 | 0 55 | 1 8 | 2 15 | 12 28 | 0 42 | 21 58 | 1 21 | 7 54 | 16 35 | 17 18 | 17 13 | 7 19 | 15 53 | 2 8 |
| T 28 | 18 46 | 19 8 | 1 7 | 18 48 | 3 33 | 21 9 | 0 27 | 12 50 | 1 10 | 18 50 | 0 55 | 1 8 | 2 15 | 12 26 | 0 42 | 21 58 | 1 21 | 7 53 | 16 34 | 17 18 | 17 14 | 7 21 | 15 53 | 2 9 |
| W29 | 18 32 | 17 3 | 0n 8 | 18 56 | 3 20 | 20 57 | 0 30 | 12 37 | 1 9 | 18 50 | 0 55 | 1 7 | 2 16 | 12 25 | 0 42 | 21 58 | 1 21 | 7 53 | 16 34 | 17 18 | 17 15 | 7 23 | 15 53 | 2 9 |
| T 30 | 18 17 | 13 57 | 1 23 | 19 4 | 3 7 | 20 45 | 0 32 | 12 24 | 1 9 | 18 51 | 0 55 | 1 6 | 2 16 | 12 24 | 0 42 | 21 58 | 1 21 | 7 52 | 16 33 | 17 18 | 17 16 | 7 26 | 15 53 | 2 9 |
| F 31 | 18n 2 | 10n 1 | 2n35 | 19n12 | 2s53 | 20n31 | 0n34 | 12n10 | 1n 9 | 18s51 | 0n54 | 1n 6 | 2s16 | 12n23 | 0n42 | 21s58 | 1n21 | 7n51 | 16n33 | 17n18 | 17n17 | 7n28 | 15n53 | 2s 9 |

Julian Day Number = 2804915.5, Delta T = 51m24s
Ecliptic obliquity = 23°18'43, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'00, Lahiri = 37°24'00


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# ASTRODIENST EPHEMERIS for the year 2967
# geocentric

## AUGUST 2967 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 39 6 | 9♌27'25 | 24♍31 | 19♋ 9 | 1♌35 | 1♍32 | 28♏35 | 8°R 2 | 29♌11 | 29°R53 | 19♎15 | 11♌16 | 11♌18 | 2♉31 | 21♉15 | S 1 |
| S 2 | 20 43 2 | 10°24'42 | 8♎45 | 20° 3 | 2°49 | 2°10 | 28°36 | 8♈ 1 | 29°15 | 29♐52 | 19°16 | 11°16 | 11°14 | 2°38 | 21°16 | S 2 |
| M 3 | 20 46 59 | 11°22'00 | 23° 3 | 21° 2 | 4° 3 | 2°48 | 28°37 | 8° 0 | 29°19 | 29°50 | 19°17 | 11°R16 | 11°11 | 2°44 | 21°17 | M 3 |
| T 4 | 20 50 56 | 12°19'17 | 7♏19 | 22° 6 | 5°16 | 3°25 | 28°39 | 7°58 | 29°22 | 29°49 | 19°18 | 11°D16 | 11° 8 | 2°51 | 21°19 | T 4 |
| W 5 | 20 54 52 | 13°16'35 | 21°32 | 23°15 | 6°30 | 4° 3 | 28°40 | 7°57 | 29°26 | 29°48 | 19°19 | 11°16 | 11° 5 | 2°58 | 21°20 | W 5 |
| T 6 | 20 58 49 | 14°13'53 | 5♐40 | 24°29 | 7°44 | 4°41 | 28°42 | 7°55 | 29°29 | 29°47 | 19°21 | 11°16 | 11° 2 | 3° 4 | 21°21 | T 6 |
| F 7 | 21 2 45 | 15°11'11 | 19°39 | 25°47 | 8°58 | 5°19 | 28°44 | 7°53 | 29°33 | 29°46 | 19°22 | 11°17 | 10°59 | 3°11 | 21°22 | F 7 |
| S 8 | 21 6 42 | 16° 8'30 | 3♑28 | 27°10 | 10°11 | 5°56 | 28°47 | 7°51 | 29°37 | 29°45 | 19°23 | 11°17 | 10°55 | 3°18 | 21°23 | S 8 |
| S 9 | 21 10 38 | 17° 5'49 | 17° 6 | 28°38 | 11°25 | 6°34 | 28°49 | 7°49 | 29°40 | 29°44 | 19°24 | 11°17 | 10°52 | 3°25 | 21°24 | S 9 |
| M10 | 21 14 35 | 18° 3'08 | 0♒31 | 0♌ 9 | 12°39 | 7°12 | 28°52 | 7°47 | 29°44 | 29°43 | 19°26 | 11°18 | 10°49 | 3°31 | 21°25 | M10 |
| T 11 | 21 18 31 | 19° 0'27 | 13°42 | 1°45 | 13°53 | 7°50 | 28°54 | 7°45 | 29°48 | 29°42 | 19°27 | 11°R18 | 10°46 | 3°38 | 21°25 | T 11 |
| W12 | 21 22 28 | 19°57'48 | 26°38 | 3°25 | 15° 7 | 8°28 | 28°57 | 7°43 | 29°51 | 29°41 | 19°28 | 11°18 | 10°43 | 3°45 | 21°26 | W12 |
| T 13 | 21 26 25 | 20°55'08 | 9♓19 | 5° 9 | 16°20 | 9° 5 | 29° 0 | 7°40 | 29°55 | 29°41 | 19°30 | 11°17 | 10°40 | 3°52 | 21°27 | T 13 |
| F 14 | 21 30 21 | 21°52'30 | 21°46 | 6°56 | 17°34 | 9°43 | 29° 4 | 7°38 | 29°59 | 29°40 | 19°31 | 11°16 | 10°36 | 3°58 | 21°28 | F 14 |
| S 15 | 21 34 18 | 22°49'53 | 4♈ 0 | 8°46 | 18°48 | 10°21 | 29° 7 | 7°36 | 0♍ 2 | 29°39 | 19°33 | 11°14 | 10°33 | 4° 5 | 21°28 | S 15 |
| S 16 | 21 38 14 | 23°47'16 | 16° 5 | 10°40 | 20° 2 | 10°59 | 29°11 | 7°33 | 0° 6 | 29°38 | 19°34 | 11°12 | 10°30 | 4°12 | 21°29 | S 16 |
| M17 | 21 42 11 | 24°44'40 | 28° 2 | 12°36 | 21°16 | 11°37 | 29°15 | 7°30 | 0°10 | 29°37 | 19°36 | 11°11 | 10°27 | 4°18 | 21°29 | M17 |
| T 18 | 21 46 7 | 25°42'06 | 9♉55 | 14°34 | 22°30 | 12°14 | 29°19 | 7°28 | 0°13 | 29°37 | 19°37 | 11°10 | 10°24 | 4°25 | 21°30 | T 18 |
| W19 | 21 50 4 | 26°39'32 | 21°49 | 16°34 | 23°44 | 12°52 | 29°23 | 7°25 | 0°17 | 29°36 | 19°39 | 11°D 9 | 10°20 | 4°32 | 21°30 | W19 |
| T 20 | 21 54 0 | 27°37'00 | 3♊48 | 18°35 | 24°58 | 13°30 | 29°27 | 7°22 | 0°21 | 29°35 | 19°40 | 11° 9 | 10°17 | 4°39 | 21°30 | T 20 |
| F 21 | 21 57 57 | 28°34'29 | 15°56 | 20°38 | 26°12 | 14° 8 | 29°31 | 7°19 | 0°25 | 29°35 | 19°42 | 11°10 | 10°14 | 4°45 | 21°31 | F 21 |
| S 22 | 22 1 54 | 29°31'59 | 28°19 | 22°41 | 27°26 | 14°46 | 29°36 | 7°16 | 0°28 | 29°34 | 19°43 | 11°11 | 10°11 | 4°52 | 21°31 | S 22 |
| S 23 | 22 5 50 | 0♍29'30 | 10♋59 | 24°45 | 28°40 | 15°24 | 29°41 | 7°13 | 0°32 | 29°33 | 19°45 | 11°12 | 10° 8 | 4°59 | 21°31 | S 23 |
| M24 | 22 9 47 | 1°27'03 | 24° 1 | 26°50 | 29°54 | 16° 2 | 29°46 | 7° 9 | 0°36 | 29°33 | 19°47 | 11°14 | 10° 5 | 5° 5 | 21°31 | M24 |
| T 25 | 22 13 43 | 2°24'37 | 7♌26 | 28°54 | 1♍ 8 | 16°40 | 29°51 | 7° 6 | 0°39 | 29°32 | 19°49 | 11°R14 | 10° 1 | 5°12 | 21°R31 | T 25 |
| W26 | 22 17 40 | 3°22'11 | 21°13 | 0♍58 | 2°22 | 17°18 | 29°56 | 7° 3 | 0°43 | 29°32 | 19°50 | 11°14 | 9°58 | 5°19 | 21°31 | W26 |
| T 27 | 22 21 36 | 4°19'47 | 5♍22 | 3° 1 | 3°37 | 17°56 | 0♐ 1 | 6°59 | 0°47 | 29°31 | 19°52 | 11°13 | 9°55 | 5°26 | 21°31 | T 27 |
| F 28 | 22 25 33 | 5°17'24 | 19°47 | 5° 4 | 4°51 | 18°33 | 0° 7 | 6°56 | 0°51 | 29°31 | 19°54 | 11°10 | 9°52 | 5°32 | 21°31 | F 28 |
| S 29 | 22 29 29 | 6°15'02 | 4♎23 | 7° 5 | 6° 5 | 19°11 | 0°12 | 6°52 | 0°54 | 29°30 | 19°55 | 11° 7 | 9°49 | 5°39 | 21°31 | S 29 |
| S 30 | 22 33 26 | 7°12'41 | 19° 4 | 9° 6 | 7°19 | 19°49 | 0°18 | 6°49 | 0°58 | 29°30 | 19°57 | 11° 4 | 9°46 | 5°46 | 21°30 | S 30 |
| M31 | 22 37 22 | 8♍10'21 | 3♏42 | 11♍ 6 | 8♍33 | 20♍27 | 0♐24 | 6♈45 | 1♍ 2 | 29♐30 | 19♎59 | 11♌ 0 | 9♌42 | 5♉53 | 21♉30 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n47 | 5n30 | 3n37 | 19n19 | 2s39 | 20n18 | 0n36 | 11n56 | 1n 9 | 18s51 | 0n54 | 1n 5 | 2s16 | 12n21 | 0n42 | 21s58 | 1n21 | 7n50 | 16n32 | 17n18 | 17n18 | 7n30 | 15n54 | 2s 9 |
| S 2 | 17 32 | 0 39 | 4 27 | 19 26 | 2 25 | 20 3 | 0 38 | 11 43 | 1 8 | 18 52 | 0 54 | 1 4 | 2 17 | 12 20 | 0 42 | 21 58 | 1 21 | 7 49 | 16 32 | 17 18 | 17 19 | 7 32 | 15 54 | 2 10 |
| M 3 | 17 17 | 4s15 | 5 1 | 19 31 | 2 11 | 19 48 | 0 41 | 11 29 | 1 8 | 18 52 | 0 54 | 1 3 | 2 17 | 12 19 | 0 42 | 21 58 | 1 21 | 7 48 | 16 31 | 17 18 | 17 20 | 7 34 | 15 54 | 2 10 |
| T 4 | 17 1 | 8 54 | 5 16 | 19 36 | 1 56 | 19 32 | 0 43 | 11 15 | 1 8 | 18 53 | 0 53 | 1 3 | 2 17 | 12 18 | 0 42 | 21 58 | 1 21 | 7 48 | 16 31 | 17 18 | 17 20 | 7 36 | 15 54 | 2 10 |
| W 5 | 16 45 | 13 2 | 5 12 | 19 39 | 1 42 | 19 16 | 0 45 | 11 1 | 1 7 | 18 54 | 0 53 | 1 2 | 2 17 | 12 16 | 0 42 | 21 58 | 1 21 | 7 47 | 16 30 | 17 18 | 17 21 | 7 38 | 15 54 | 2 10 |
| T 6 | 16 28 | 16 24 | 4 49 | 19 41 | 1 27 | 19 0 | 0 47 | 10 47 | 1 7 | 18 54 | 0 53 | 1 1 | 2 18 | 12 15 | 0 42 | 21 58 | 1 21 | 7 46 | 16 30 | 17 18 | 17 22 | 7 40 | 15 54 | 2 10 |
| F 7 | 16 12 | 18 47 | 4 9 | 19 41 | 1 13 | 18 42 | 0 49 | 10 33 | 1 7 | 18 55 | 0 53 | 1 0 | 2 18 | 12 14 | 0 42 | 21 58 | 1 21 | 7 45 | 16 29 | 17 18 | 17 23 | 7 43 | 15 54 | 2 11 |
| S 8 | 15 55 | 20 1 | 3 15 | 19 39 | 0 59 | 18 25 | 0 51 | 10 19 | 1 7 | 18 56 | 0 52 | 0 59 | 2 18 | 12 13 | 0 42 | 21 58 | 1 21 | 7 44 | 16 29 | 17 18 | 17 24 | 7 45 | 15 54 | 2 11 |
| S 9 | 15 38 | 20 4 | 2 10 | 19 36 | 0 45 | 18 6 | 0 52 | 10 5 | 1 6 | 18 56 | 0 52 | 0 58 | 2 18 | 12 11 | 0 42 | 21 58 | 1 21 | 7 43 | 16 29 | 17 18 | 17 25 | 7 47 | 15 54 | 2 11 |
| M10 | 15 20 | 18 58 | 0 59 | 19 30 | 0 31 | 17 47 | 0 54 | 9 51 | 1 6 | 18 57 | 0 52 | 0 57 | 2 19 | 12 10 | 0 42 | 21 58 | 1 20 | 7 42 | 16 28 | 17 18 | 17 26 | 7 49 | 15 54 | 2 11 |
| T 11 | 15 3 | 16 50 | 0s13 | 19 23 | 0 17 | 17 28 | 0 56 | 9 36 | 1 6 | 18 58 | 0 52 | 0 56 | 2 19 | 12 9 | 0 42 | 21 58 | 1 20 | 7 42 | 16 28 | 17 18 | 17 26 | 7 51 | 15 54 | 2 11 |
| W12 | 14 45 | 13 53 | 1 24 | 19 13 | 0 4 | 17 8 | 0 58 | 9 22 | 1 6 | 18 59 | 0 51 | 0 55 | 2 19 | 12 7 | 0 42 | 21 58 | 1 20 | 7 41 | 16 27 | 17 18 | 17 27 | 7 53 | 15 54 | 2 12 |
| T 13 | 14 27 | 10 20 | 2 29 | 19 1 | 0n 8 | 16 48 | 1 0 | 9 8 | 1 5 | 19 0 | 0 51 | 0 54 | 2 19 | 12 6 | 0 42 | 21 58 | 1 20 | 7 40 | 16 27 | 17 18 | 17 28 | 7 55 | 15 54 | 2 12 |
| F 14 | 14 8 | 6 24 | 3 26 | 18 46 | 0 20 | 16 27 | 1 1 | 8 53 | 1 5 | 19 1 | 0 51 | 0 53 | 2 19 | 12 5 | 0 42 | 21 58 | 1 20 | 7 39 | 16 26 | 17 18 | 17 29 | 7 57 | 15 54 | 2 12 |
| S 15 | 13 50 | 2 16 | 4 12 | 18 28 | 0 31 | 16 6 | 1 3 | 8 39 | 1 5 | 19 2 | 0 51 | 0 51 | 2 20 | 12 4 | 0 42 | 21 58 | 1 20 | 7 38 | 16 26 | 17 19 | 17 30 | 8 0 | 15 54 | 2 12 |
| S 16 | 13 31 | 1n53 | 4 46 | 18 8 | 0 42 | 15 45 | 1 4 | 8 24 | 1 4 | 19 3 | 0 51 | 0 50 | 2 20 | 12 2 | 0 42 | 21 58 | 1 20 | 7 37 | 16 26 | 17 19 | 17 31 | 8 2 | 15 54 | 2 12 |
| M17 | 13 12 | 5 55 | 5 8 | 17 46 | 0 51 | 15 23 | 1 6 | 8 10 | 1 4 | 19 4 | 0 50 | 0 49 | 2 20 | 12 1 | 0 42 | 21 59 | 1 20 | 7 36 | 16 25 | 17 20 | 17 32 | 8 4 | 15 54 | 2 13 |
| T 18 | 12 53 | 9 43 | 5 16 | 17 21 | 1 1 | 15 0 | 1 7 | 7 55 | 1 4 | 19 5 | 0 50 | 0 48 | 2 20 | 12 0 | 0 42 | 21 59 | 1 20 | 7 35 | 16 25 | 17 20 | 17 32 | 8 6 | 15 54 | 2 13 |
| W19 | 12 34 | 13 7 | 5 10 | 16 53 | 1 9 | 14 37 | 1 9 | 7 40 | 1 4 | 19 6 | 0 50 | 0 46 | 2 21 | 11 58 | 0 42 | 21 59 | 1 20 | 7 34 | 16 24 | 17 20 | 17 33 | 8 8 | 15 54 | 2 13 |
| T 20 | 12 14 | 16 1 | 4 52 | 16 23 | 1 16 | 14 14 | 1 10 | 7 26 | 1 3 | 19 7 | 0 50 | 0 45 | 2 21 | 11 57 | 0 42 | 21 59 | 1 20 | 7 33 | 16 24 | 17 20 | 17 34 | 8 10 | 15 54 | 2 13 |
| F 21 | 11 54 | 18 16 | 4 20 | 15 51 | 1 23 | 13 50 | 1 11 | 7 11 | 1 3 | 19 8 | 0 49 | 0 44 | 2 21 | 11 56 | 0 42 | 21 59 | 1 20 | 7 32 | 16 24 | 17 20 | 17 35 | 8 12 | 15 54 | 2 13 |
| S 22 | 11 35 | 19 43 | 3 35 | 15 16 | 1 28 | 13 26 | 1 13 | 6 56 | 1 3 | 19 9 | 0 49 | 0 42 | 2 21 | 11 54 | 0 42 | 21 59 | 1 20 | 7 32 | 16 23 | 17 20 | 17 36 | 8 14 | 15 54 | 2 14 |
| S 23 | 11 14 | 20 13 | 2 39 | 14 40 | 1 33 | 13 2 | 1 14 | 6 41 | 1 2 | 19 11 | 0 49 | 0 41 | 2 21 | 11 53 | 0 42 | 21 59 | 1 20 | 7 31 | 16 23 | 17 19 | 17 37 | 8 17 | 15 53 | 2 14 |
| M24 | 10 54 | 19 39 | 1 33 | 14 2 | 1 37 | 12 37 | 1 15 | 6 26 | 1 2 | 19 12 | 0 49 | 0 39 | 2 22 | 11 52 | 0 42 | 21 59 | 1 20 | 7 30 | 16 23 | 17 19 | 17 38 | 8 19 | 15 53 | 2 14 |
| T 25 | 10 34 | 17 59 | 0 21 | 13 22 | 1 40 | 12 12 | 1 16 | 6 11 | 1 2 | 19 13 | 0 48 | 0 38 | 2 22 | 11 51 | 0 42 | 21 59 | 1 20 | 7 29 | 16 22 | 17 19 | 17 38 | 8 21 | 15 53 | 2 14 |
| W26 | 10 13 | 15 13 | 0n55 | 12 40 | 1 43 | 11 47 | 1 17 | 5 56 | 1 2 | 19 15 | 0 48 | 0 36 | 2 22 | 11 49 | 0 42 | 21 59 | 1 20 | 7 28 | 16 22 | 17 19 | 17 39 | 8 23 | 15 53 | 2 14 |
| T 27 | 9 52 | 11 30 | 2 9 | 11 58 | 1 44 | 11 21 | 1 18 | 5 41 | 1 1 | 19 16 | 0 48 | 0 35 | 2 22 | 11 48 | 0 42 | 21 59 | 1 20 | 7 27 | 16 21 | 17 19 | 17 40 | 8 25 | 15 53 | 2 15 |
| F 28 | 9 31 | 7 2 | 3 16 | 11 14 | 1 45 | 10 55 | 1 19 | 5 26 | 1 1 | 19 17 | 0 48 | 0 33 | 2 22 | 11 47 | 0 42 | 21 59 | 1 20 | 7 26 | 16 21 | 17 20 | 17 41 | 8 27 | 15 52 | 2 15 |
| S 29 | 9 10 | 2 7 | 4 11 | 10 29 | 1 45 | 10 28 | 1 20 | 5 11 | 1 1 | 19 19 | 0 48 | 0 32 | 2 23 | 11 45 | 0 42 | 21 59 | 1 20 | 7 25 | 16 21 | 17 21 | 17 42 | 8 29 | 15 52 | 2 15 |
| S 30 | 8 49 | 2s56 | 4 51 | 9 44 | 1 44 | 10 2 | 1 21 | 4 56 | 1 0 | 19 20 | 0 47 | 0 30 | 2 23 | 11 44 | 0 42 | 21 59 | 1 20 | 7 24 | 16 20 | 17 22 | 17 43 | 8 31 | 15 52 | 2 15 |
| M31 | 8n28 | 7s48 | 5n11 | 8n58 | 1n43 | 9n35 | 1n21 | 4n41 | 1n 0 | 19s21 | 0n47 | 0n29 | 2s23 | 11n43 | 0n42 | 21s59 | 1n20 | 7n23 | 16n20 | 17n23 | 17n44 | 8n33 | 15n52 | 2s16 |

Julian Day Number = 2804946.5, Delta T = 51m25s
Ecliptic obliquity = 23°18'44, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'04, Lahiri = 37°24'05


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# ASTRODIENST EPHEMERIS for the year 2967
# geocentric

## SEPTEMBER 2967 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 41 19 | 9♍ 8'02 | 18♏11 | 13♍ 4 | 9♍47 | 21♍ 5 | 0♐30 | 6°R41 | 1♍ 5 | 29°R29 | 20♎ 1 | 10°R58 | 9♌39 | 5♉59 | 21°R30 | T 1 |
| W 2 | 22 45 16 | 10° 5'44 | 2♐29 | 15° 1 | 11° 2 | 21°43 | 0°37 | 6♈37 | 1° 9 | 29♐29 | 20° 3 | 10♌57 | 9°36 | 6° 6 | 21♉29 | W 2 |
| T 3 | 22 49 12 | 11° 3'27 | 16°31 | 16°57 | 12°16 | 22°21 | 0°43 | 6°33 | 1°13 | 29°29 | 20° 5 | 10°D56 | 9°33 | 6°13 | 21°29 | T 3 |
| F 4 | 22 53 9 | 12° 1'10 | 0♑17 | 18°51 | 13°30 | 23° 0 | 0°50 | 6°29 | 1°17 | 29°29 | 20° 7 | 10°57 | 9°30 | 6°19 | 21°28 | F 4 |
| S 5 | 22 57 5 | 12°58'55 | 13°47 | 20°44 | 14°44 | 23°38 | 0°56 | 6°25 | 1°20 | 29°28 | 20° 9 | 10°59 | 9°26 | 6°26 | 21°28 | S 5 |
| S 6 | 23 1 2 | 13°56'41 | 27° 2 | 22°36 | 15°58 | 24°16 | 1° 3 | 6°21 | 1°24 | 29°28 | 20°10 | 11° 0 | 9°23 | 6°33 | 21°27 | S 6 |
| M 7 | 23 4 58 | 14°54'28 | 10♒ 3 | 24°27 | 17°13 | 24°54 | 1°10 | 6°17 | 1°27 | 29°28 | 20°12 | 11°R 1 | 9°20 | 6°40 | 21°26 | M 7 |
| T 8 | 23 8 55 | 15°52'16 | 22°52 | 26°16 | 18°27 | 25°32 | 1°17 | 6°13 | 1°31 | 29°28 | 20°14 | 11° 0 | 9°17 | 6°46 | 21°26 | T 8 |
| W 9 | 23 12 51 | 16°50'06 | 5♓29 | 28° 3 | 19°41 | 26°10 | 1°24 | 6° 9 | 1°35 | 29°28 | 20°16 | 10°58 | 9°14 | 6°53 | 21°25 | W 9 |
| T 10 | 23 16 48 | 17°47'56 | 17°55 | 29°50 | 20°55 | 26°48 | 1°32 | 6° 5 | 1°38 | 29°28 | 20°18 | 10°54 | 9°11 | 7° 0 | 21°24 | T 10 |
| F 11 | 23 20 45 | 18°45'49 | 0♈12 | 1♎35 | 22°10 | 27°26 | 1°39 | 6° 1 | 1°42 | 29°D28 | 20°20 | 10°48 | 9° 7 | 7° 6 | 21°23 | F 11 |
| S 12 | 23 24 41 | 19°43'42 | 12°19 | 3°18 | 23°24 | 28° 4 | 1°47 | 5°56 | 1°46 | 29°28 | 20°22 | 10°41 | 9° 4 | 7°13 | 21°22 | S 12 |
| S 13 | 23 28 38 | 20°41'37 | 24°20 | 5° 0 | 24°38 | 28°42 | 1°55 | 5°52 | 1°49 | 29°28 | 20°25 | 10°34 | 9° 1 | 7°20 | 21°21 | S 13 |
| M14 | 23 32 34 | 21°39'34 | 6♉14 | 6°41 | 25°53 | 29°21 | 2° 2 | 5°48 | 1°53 | 29°28 | 20°27 | 10°27 | 8°58 | 7°27 | 21°20 | M14 |
| T 15 | 23 36 31 | 22°37'33 | 18° 6 | 8°21 | 27° 7 | 29°59 | 2°10 | 5°43 | 1°56 | 29°28 | 20°29 | 10°21 | 8°55 | 7°33 | 21°19 | T 15 |
| W16 | 23 40 27 | 23°35'33 | 29°59 | 10° 0 | 28°21 | 0♎37 | 2°19 | 5°39 | 2° 0 | 29°28 | 20°31 | 10°16 | 8°51 | 7°40 | 21°18 | W16 |
| T 17 | 23 44 24 | 24°33'36 | 11♊56 | 11°37 | 29°36 | 1°15 | 2°27 | 5°34 | 2° 3 | 29°29 | 20°33 | 10°14 | 8°48 | 7°47 | 21°17 | T 17 |
| F 18 | 23 48 20 | 25°31'40 | 24° 1 | 13°13 | 0♎50 | 1°53 | 2°35 | 5°30 | 2° 7 | 29°29 | 20°35 | 10°D13 | 8°45 | 7°54 | 21°15 | F 18 |
| S 19 | 23 52 17 | 26°29'46 | 6♋21 | 14°47 | 2° 4 | 2°32 | 2°44 | 5°25 | 2°10 | 29°29 | 20°37 | 10°13 | 8°42 | 8° 0 | 21°14 | S 19 |
| S 20 | 23 56 14 | 27°27'54 | 18°59 | 16°21 | 3°19 | 3°10 | 2°52 | 5°21 | 2°14 | 29°29 | 20°39 | 10°14 | 8°39 | 8° 7 | 21°13 | S 20 |
| M21 | 0 0 10 | 28°26'04 | 1♌59 | 17°53 | 4°33 | 3°48 | 3° 1 | 5°16 | 2°17 | 29°30 | 20°42 | 10°15 | 8°36 | 8°14 | 21°11 | M21 |
| T 22 | 0 4 7 | 29°24'15 | 15°26 | 19°24 | 5°48 | 4°27 | 3°10 | 5°12 | 2°21 | 29°30 | 20°44 | 10°R16 | 8°32 | 8°20 | 21°10 | T 22 |
| W23 | 0 8 3 | 0♎22'29 | 29°20 | 20°54 | 7° 2 | 5° 5 | 3°19 | 5° 7 | 2°24 | 29°30 | 20°46 | 10°14 | 8°29 | 8°27 | 21° 8 | W23 |
| T 24 | 0 12 0 | 1°20'44 | 13♍41 | 22°23 | 8°16 | 5°43 | 3°28 | 5° 2 | 2°27 | 29°31 | 20°48 | 10°10 | 8°26 | 8°34 | 21° 7 | T 24 |
| F 25 | 0 15 56 | 2°19'02 | 28°25 | 23°50 | 9°31 | 6°22 | 3°37 | 4°58 | 2°31 | 29°31 | 20°50 | 10° 4 | 8°23 | 8°41 | 21° 5 | F 25 |
| S 26 | 0 19 53 | 3°17'21 | 13♎24 | 25°16 | 10°45 | 7° 0 | 3°46 | 4°53 | 2°34 | 29°32 | 20°53 | 9°57 | 8°20 | 8°47 | 21° 3 | S 26 |
| S 27 | 0 23 49 | 4°15'41 | 28°29 | 26°41 | 12° 0 | 7°39 | 3°56 | 4°49 | 2°37 | 29°32 | 20°55 | 9°49 | 8°17 | 8°54 | 21° 2 | S 27 |
| M28 | 0 27 46 | 5°14'03 | 13♏31 | 28° 5 | 13°14 | 8°17 | 4° 5 | 4°44 | 2°41 | 29°33 | 20°57 | 9°41 | 8°13 | 9° 1 | 21° 0 | M28 |
| T 29 | 0 31 42 | 6°12'27 | 28°20 | 29°27 | 14°29 | 8°55 | 4°15 | 4°39 | 2°44 | 29°33 | 20°59 | 9°34 | 8°10 | 9° 7 | 20°58 | T 29 |
| W30 | 0 35 39 | 7♎10'53 | 12♐50 | 0♏48 | 15♎43 | 9♎34 | 4♐24 | 4♈35 | 2♍47 | 29♐34 | 21♎ 2 | 9♌29 | 8♌ 7 | 9♉14 | 20♉56 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 8n 6 | 12s10 | 5n11 | 8n11 | 1n41 | 9n 8 | 1n22 | 4n26 | 1n 0 | 19s23 | 0n47 | 0n27 | 2s23 | 11n41 | 0n42 | 21s59 | 1n19 | 7n22 | 16n20 | 17n23 | 17n44 | 8n36 | 15n51 | 2s16 |
| W 2 | 7 45 | 15 47 | 4 51 | 7 24 | 1 39 | 8 40 | 1 23 | 4 10 | 0 59 | 19 24 | 0 47 | 0 25 | 2 23 | 11 40 | 0 42 | 21 59 | 1 19 | 7 21 | 16 19 | 17 24 | 17 45 | 8 38 | 15 51 | 2 16 |
| T 3 | 7 23 | 18 24 | 4 15 | 6 36 | 1 36 | 8 12 | 1 23 | 3 55 | 0 59 | 19 26 | 0 47 | 0 24 | 2 23 | 11 39 | 0 42 | 21 59 | 1 19 | 7 20 | 16 19 | 17 24 | 17 46 | 8 40 | 15 51 | 2 16 |
| F 4 | 7 1 | 19 54 | 3 24 | 5 48 | 1 32 | 7 45 | 1 24 | 3 40 | 0 59 | 19 28 | 0 46 | 0 22 | 2 23 | 11 38 | 0 42 | 21 59 | 1 19 | 7 19 | 16 19 | 17 23 | 17 47 | 8 42 | 15 50 | 2 16 |
| S 5 | 6 39 | 20 14 | 2 23 | 5 0 | 1 28 | 7 16 | 1 24 | 3 25 | 0 58 | 19 29 | 0 46 | 0 20 | 2 24 | 11 36 | 0 42 | 21 59 | 1 19 | 7 18 | 16 19 | 17 23 | 17 48 | 8 44 | 15 50 | 2 17 |
| S 6 | 6 17 | 19 24 | 1 16 | 4 12 | 1 24 | 6 48 | 1 24 | 3 9 | 0 58 | 19 31 | 0 46 | 0 18 | 2 24 | 11 35 | 0 42 | 21 59 | 1 19 | 7 17 | 16 18 | 17 23 | 17 49 | 8 46 | 15 50 | 2 17 |
| M 7 | 5 55 | 17 33 | 0 5 | 3 25 | 1 19 | 6 20 | 1 25 | 2 54 | 0 58 | 19 32 | 0 46 | 0 17 | 2 24 | 11 34 | 0 42 | 21 59 | 1 19 | 7 16 | 16 18 | 17 22 | 17 49 | 8 48 | 15 49 | 2 17 |
| T 8 | 5 33 | 14 50 | 1s 4 | 2 37 | 1 14 | 5 51 | 1 25 | 2 39 | 0 57 | 19 34 | 0 46 | 0 15 | 2 24 | 11 32 | 0 42 | 22 0 | 1 19 | 7 15 | 16 18 | 17 23 | 17 50 | 8 50 | 15 49 | 2 17 |
| W 9 | 5 10 | 11 27 | 2 9 | 1 49 | 1 9 | 5 22 | 1 25 | 2 23 | 0 57 | 19 36 | 0 45 | 0 13 | 2 24 | 11 31 | 0 42 | 22 0 | 1 19 | 7 14 | 16 18 | 17 23 | 17 51 | 8 52 | 15 48 | 2 17 |
| T 10 | 4 48 | 7 37 | 3 7 | 1 2 | 1 3 | 4 53 | 1 25 | 2 8 | 0 57 | 19 37 | 0 45 | 0 11 | 2 24 | 11 30 | 0 42 | 22 0 | 1 19 | 7 13 | 16 17 | 17 24 | 17 52 | 8 55 | 15 48 | 2 18 |
| F 11 | 4 25 | 3 31 | 3 55 | 0 15 | 0 57 | 4 24 | 1 25 | 1 53 | 0 56 | 19 39 | 0 45 | 0 10 | 2 24 | 11 29 | 0 42 | 22 0 | 1 19 | 7 12 | 16 17 | 17 26 | 17 53 | 8 57 | 15 48 | 2 18 |
| S 12 | 4 3 | 0n40 | 4 32 | 0s32 | 0 50 | 3 55 | 1 25 | 1 37 | 0 56 | 19 41 | 0 45 | 0 8 | 2 25 | 11 27 | 0 43 | 22 0 | 1 19 | 7 11 | 16 17 | 17 28 | 17 54 | 8 59 | 15 47 | 2 18 |
| S 13 | 3 40 | 4 47 | 4 57 | 1 19 | 0 44 | 3 25 | 1 25 | 1 22 | 0 56 | 19 42 | 0 45 | 0 6 | 2 25 | 11 26 | 0 43 | 22 0 | 1 19 | 7 11 | 16 17 | 17 30 | 17 54 | 9 1 | 15 47 | 2 18 |
| M14 | 3 17 | 8 40 | 5 8 | 2 5 | 0 37 | 2 56 | 1 25 | 1 6 | 0 55 | 19 44 | 0 44 | 0 4 | 2 25 | 11 25 | 0 43 | 22 0 | 1 19 | 7 10 | 16 16 | 17 32 | 17 55 | 9 3 | 15 46 | 2 18 |
| T 15 | 2 55 | 12 14 | 5 6 | 2 50 | 0 30 | 2 26 | 1 25 | 0 51 | 0 55 | 19 46 | 0 44 | 0 2 | 2 25 | 11 24 | 0 43 | 22 0 | 1 19 | 7 9 | 16 16 | 17 33 | 17 56 | 9 5 | 15 46 | 2 19 |
| W16 | 2 32 | 15 18 | 4 51 | 3 35 | 0 23 | 1 56 | 1 24 | 0 36 | 0 55 | 19 48 | 0 44 | 0 1 | 2 25 | 11 22 | 0 43 | 22 0 | 1 19 | 7 8 | 16 16 | 17 34 | 17 57 | 9 7 | 15 45 | 2 19 |
| T 17 | 2 9 | 17 45 | 4 23 | 4 20 | 0 15 | 1 27 | 1 24 | 0 20 | 0 54 | 19 49 | 0 44 | 0s 1 | 2 25 | 11 21 | 0 43 | 22 0 | 1 19 | 7 7 | 16 16 | 17 35 | 17 58 | 9 9 | 15 45 | 2 19 |
| F 18 | 1 46 | 19 28 | 3 43 | 5 4 | 0 8 | 0 57 | 1 23 | 0 5 | 0 54 | 19 51 | 0 44 | 0 3 | 2 25 | 11 20 | 0 43 | 22 0 | 1 19 | 7 6 | 16 16 | 17 35 | 17 59 | 9 11 | 15 44 | 2 19 |
| S 19 | 1 23 | 20 17 | 2 53 | 5 48 | 0 0 | 0 27 | 1 23 | 0s11 | 0 54 | 19 53 | 0 43 | 0 5 | 2 25 | 11 19 | 0 43 | 22 0 | 1 19 | 7 5 | 16 15 | 17 35 | 17 59 | 9 14 | 15 44 | 2 19 |
| S 20 | 1 0 | 20 7 | 1 52 | 6 31 | 0s 8 | 0s 3 | 1 22 | 0 26 | 0 53 | 19 55 | 0 43 | 0 7 | 2 25 | 11 17 | 0 43 | 22 0 | 1 19 | 7 4 | 16 15 | 17 35 | 18 0 | 9 16 | 15 43 | 2 20 |
| M21 | 0 37 | 18 53 | 0 44 | 7 13 | 0 15 | 0 33 | 1 22 | 0 42 | 0 53 | 19 57 | 0 43 | 0 9 | 2 25 | 11 16 | 0 43 | 22 0 | 1 18 | 7 3 | 16 15 | 17 35 | 18 1 | 9 18 | 15 43 | 2 20 |
| T 22 | 0 14 | 16 34 | 0n28 | 7 55 | 0 23 | 1 3 | 1 21 | 0 57 | 0 53 | 19 59 | 0 43 | 0 11 | 2 26 | 11 15 | 0 43 | 22 0 | 1 18 | 7 2 | 16 15 | 17 35 | 18 2 | 9 20 | 15 42 | 2 20 |
| W23 | 0s 9 | 13 13 | 1 41 | 8 36 | 0 31 | 1 33 | 1 20 | 1 13 | 0 52 | 20 0 | 0 43 | 0 12 | 2 26 | 11 14 | 0 43 | 22 0 | 1 18 | 7 1 | 16 15 | 17 35 | 18 3 | 9 22 | 15 42 | 2 20 |
| T 24 | 0 32 | 9 0 | 2 50 | 9 16 | 0 39 | 2 3 | 1 19 | 1 28 | 0 52 | 20 2 | 0 43 | 0 14 | 2 26 | 11 13 | 0 43 | 22 0 | 1 18 | 7 0 | 16 15 | 17 36 | 18 4 | 9 24 | 15 41 | 2 20 |
| F 25 | 0 55 | 4 8 | 3 49 | 9 56 | 0 47 | 2 33 | 1 19 | 1 43 | 0 51 | 20 4 | 0 42 | 0 16 | 2 26 | 11 11 | 0 43 | 22 0 | 1 18 | 6 59 | 16 14 | 17 38 | 18 4 | 9 26 | 15 40 | 2 20 |
| S 26 | 1 18 | 1s 3 | 4 34 | 10 35 | 0 55 | 3 3 | 1 18 | 1 59 | 0 51 | 20 6 | 0 42 | 0 18 | 2 26 | 11 10 | 0 43 | 22 0 | 1 18 | 6 58 | 16 14 | 17 40 | 18 5 | 9 28 | 15 40 | 2 21 |
| S 27 | 1 41 | 6 13 | 4 59 | 11 14 | 1 4 | 3 32 | 1 17 | 2 14 | 0 51 | 20 8 | 0 42 | 0 20 | 2 26 | 11 9 | 0 43 | 22 1 | 1 18 | 6 57 | 16 14 | 17 42 | 18 6 | 9 30 | 15 39 | 2 21 |
| M28 | 2 4 | 10 58 | 5 5 | 11 51 | 1 12 | 4 2 | 1 16 | 2 30 | 0 50 | 20 10 | 0 42 | 0 22 | 2 26 | 11 8 | 0 43 | 22 1 | 1 18 | 6 57 | 16 14 | 17 44 | 18 7 | 9 32 | 15 38 | 2 21 |
| T 29 | 2 27 | 14 59 | 4 49 | 12 28 | 1 20 | 4 32 | 1 14 | 2 45 | 0 50 | 20 12 | 0 42 | 0 24 | 2 26 | 11 7 | 0 43 | 22 1 | 1 18 | 6 56 | 16 14 | 17 46 | 18 8 | 9 35 | 15 38 | 2 21 |
| W30 | 2s50 | 17s59 | 4n16 | 13s 4 | 1s28 | 5s 2 | 1n13 | 3s 1 | 0n50 | 20s14 | 0n41 | 0s25 | 2s26 | 11n 6 | 0n43 | 22s 1 | 1n18 | 6n55 | 16n14 | 17n47 | 18n 8 | 9n37 | 15n37 | 2s21 |

Julian Day Number = 2804977.5, Delta T = 51m25s
Ecliptic obliquity = 23°18'45, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'08, Lahiri = 37°24'09


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# ASTRODIENST EPHEMERIS for the year 2967
# geocentric

## OCTOBER 2967 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 39 36 | 8♎ 9'20 | 26♐57 | 2♏ 8 | 16♎58 | 10♎12 | 4♐34 | 4°R30 | 2♍50 | 29♐35 | 21♎ 4 | 9°R27 | 8♌ 4 | 9♉21 | 20°R54 | T 1 |
| F 2 | 0 43 32 | 9° 7'49 | 10♑41 | 3°26 | 18°12 | 10°51 | 4°44 | 4♈26 | 2°54 | 29°35 | 21° 6 | 9°D27 | 8° 1 | 9°28 | 20♉52 | F 2 |
| S 3 | 0 47 29 | 10° 6'19 | 24° 3 | 4°42 | 19°27 | 11°29 | 4°54 | 4°21 | 2°57 | 29°36 | 21° 8 | 9♌27 | 7°57 | 9°34 | 20°50 | S 3 |
| S 4 | 0 51 25 | 11° 4'50 | 7♒ 5 | 5°58 | 20°41 | 12° 8 | 5° 4 | 4°16 | 3° 0 | 29°37 | 21°11 | 9°R28 | 7°54 | 9°41 | 20°48 | S 4 |
| M 5 | 0 55 22 | 12° 3'24 | 19°50 | 7°11 | 21°56 | 12°47 | 5°14 | 4°12 | 3° 3 | 29°38 | 21°13 | 9°27 | 7°51 | 9°48 | 20°46 | M 5 |
| T 6 | 0 59 18 | 13° 1'59 | 2♓22 | 8°23 | 23°10 | 13°25 | 5°25 | 4° 7 | 3° 6 | 29°38 | 21°15 | 9°25 | 7°48 | 9°55 | 20°44 | T 6 |
| W 7 | 1 3 15 | 14° 0'35 | 14°43 | 9°33 | 24°25 | 14° 4 | 5°35 | 4° 3 | 3° 9 | 29°39 | 21°18 | 9°20 | 7°45 | 10° 1 | 20°42 | W 7 |
| T 8 | 1 7 11 | 14°59'13 | 26°55 | 10°41 | 25°39 | 14°42 | 5°45 | 3°58 | 3°12 | 29°40 | 21°20 | 9°12 | 7°42 | 10° 8 | 20°40 | T 8 |
| F 9 | 1 11 8 | 15°57'53 | 9♈ 1 | 11°47 | 26°54 | 15°21 | 5°56 | 3°54 | 3°15 | 29°41 | 21°22 | 9° 2 | 7°38 | 10°15 | 20°38 | F 9 |
| S 10 | 1 15 5 | 16°56'35 | 21° 1 | 12°51 | 28° 8 | 16° 0 | 6° 7 | 3°49 | 3°18 | 29°42 | 21°24 | 8°50 | 7°35 | 10°21 | 20°35 | S 10 |
| S 11 | 1 19 1 | 17°55'19 | 2♉57 | 13°53 | 29°23 | 16°38 | 6°17 | 3°45 | 3°21 | 29°43 | 21°27 | 8°37 | 7°32 | 10°28 | 20°33 | S 11 |
| M12 | 1 22 58 | 18°54'05 | 14°50 | 14°52 | 0♏37 | 17°17 | 6°28 | 3°41 | 3°24 | 29°44 | 21°29 | 8°24 | 7°29 | 10°35 | 20°31 | M12 |
| T 13 | 1 26 54 | 19°52'53 | 26°41 | 15°48 | 1°52 | 17°56 | 6°39 | 3°36 | 3°27 | 29°45 | 21°31 | 8°12 | 7°26 | 10°42 | 20°28 | T 13 |
| W14 | 1 30 51 | 20°51'43 | 8♊34 | 16°42 | 3° 6 | 18°34 | 6°50 | 3°32 | 3°30 | 29°46 | 21°34 | 8° 3 | 7°23 | 10°48 | 20°26 | W14 |
| T 15 | 1 34 47 | 21°50'36 | 20°30 | 17°32 | 4°21 | 19°13 | 7° 1 | 3°28 | 3°32 | 29°47 | 21°36 | 7°56 | 7°19 | 10°55 | 20°24 | T 15 |
| F 16 | 1 38 44 | 22°49'30 | 2♋34 | 18°19 | 5°35 | 19°52 | 7°12 | 3°24 | 3°35 | 29°48 | 21°38 | 7°52 | 7°16 | 11° 2 | 20°21 | F 16 |
| S 17 | 1 42 40 | 23°48'27 | 14°51 | 19° 3 | 6°50 | 20°31 | 7°23 | 3°19 | 3°38 | 29°49 | 21°41 | 7°51 | 7°13 | 11° 9 | 20°19 | S 17 |
| S 18 | 1 46 37 | 24°47'26 | 27°24 | 19°42 | 8° 4 | 21°10 | 7°35 | 3°15 | 3°40 | 29°50 | 21°43 | 7°D50 | 7°10 | 11°15 | 20°16 | S 18 |
| M19 | 1 50 34 | 25°46'27 | 10♌19 | 20°17 | 9°19 | 21°49 | 7°46 | 3°11 | 3°43 | 29°52 | 21°45 | 7°R50 | 7° 7 | 11°22 | 20°14 | M19 |
| T 20 | 1 54 30 | 26°45'31 | 23°40 | 20°47 | 10°33 | 22°27 | 7°57 | 3° 7 | 3°46 | 29°53 | 21°48 | 7°50 | 7° 3 | 11°29 | 20°11 | T 20 |
| W21 | 1 58 27 | 27°44'37 | 7♍30 | 21°12 | 11°48 | 23° 6 | 8° 9 | 3° 3 | 3°48 | 29°54 | 21°50 | 7°47 | 7° 0 | 11°35 | 20° 8 | W21 |
| T 22 | 2 2 23 | 28°43'45 | 21°49 | 21°32 | 13° 2 | 23°45 | 8°20 | 2°59 | 3°51 | 29°55 | 21°52 | 7°42 | 6°57 | 11°42 | 20° 6 | T 22 |
| F 23 | 2 6 20 | 29°42'55 | 6♎36 | 21°45 | 14°17 | 24°24 | 8°32 | 2°55 | 3°53 | 29°57 | 21°55 | 7°34 | 6°54 | 11°49 | 20° 3 | F 23 |
| S 24 | 2 10 16 | 0♏42'07 | 21°44 | 21°R52 | 15°31 | 25° 3 | 8°44 | 2°51 | 3°56 | 29°58 | 21°57 | 7°24 | 6°51 | 11°56 | 20° 0 | S 24 |
| S 25 | 2 14 13 | 1°41'21 | 7♏ 2 | 21°52 | 16°46 | 25°42 | 8°55 | 2°48 | 3°58 | 29°59 | 21°59 | 7°13 | 6°48 | 12° 2 | 19°58 | S 25 |
| M26 | 2 18 9 | 2°40'38 | 22°21 | 21°44 | 18° 0 | 26°21 | 9° 7 | 2°44 | 4° 0 | 0♑ 1 | 22° 1 | 7° 1 | 6°44 | 12° 9 | 19°55 | M26 |
| T 27 | 2 22 6 | 3°39'56 | 7♐27 | 21°29 | 19°15 | 27° 0 | 9°19 | 2°40 | 4° 3 | 0° 2 | 22° 4 | 6°52 | 6°41 | 12°16 | 19°52 | T 27 |
| W28 | 2 26 3 | 4°39'16 | 22°13 | 21° 5 | 20°29 | 27°40 | 9°31 | 2°37 | 4° 5 | 0° 4 | 22° 6 | 6°45 | 6°38 | 12°22 | 19°49 | W28 |
| T 29 | 2 29 59 | 5°38'38 | 6♑32 | 20°33 | 21°44 | 28°19 | 9°43 | 2°33 | 4° 7 | 0° 5 | 22° 8 | 6°41 | 6°35 | 12°29 | 19°47 | T 29 |
| F 30 | 2 33 56 | 6°38'02 | 20°23 | 19°53 | 22°59 | 28°58 | 9°55 | 2°30 | 4° 9 | 0° 7 | 22°11 | 6°39 | 6°32 | 12°36 | 19°44 | F 30 |
| S 31 | 2 37 52 | 7♏37'27 | 3♒47 | 19♏ 4 | 24♏13 | 29♎37 | 10♐ 7 | 2♈27 | 4♍12 | 0♑ 8 | 22♎13 | 6♌38 | 6♌28 | 12♉43 | 19♉41 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 3s13 | 19s50 | 3n27 | 13s39 | 1s36 | 5s31 | 1n12 | 3s16 | 0n49 | 20s16 | 0n41 | 0s27 | 2s26 | 11n 4 | 0n43 | 22s 1 | 1n18 | 6n54 | 16n14 | 17n48 | 18n 9 | 9n39 | 15n37 | 2s22 | |
| F 2 | 3 36 | 20 26 | 2 27 | 14 13 | 1 43 | 6 1 | 1 11 | 3 31 | 0 49 | 20 18 | 0 41 | 0 29 | 2 26 | 11 3 | 0 43 | 22 1 | 1 18 | 6 53 | 16 14 | 17 48 | 18 10 | 9 41 | 15 36 | 2 22 | |
| S 3 | 3 59 | 19 51 | 1 21 | 14 46 | 1 51 | 6 30 | 1 9 | 3 47 | 0 49 | 20 20 | 0 41 | 0 31 | 2 26 | 11 2 | 0 43 | 22 1 | 1 18 | 6 52 | 16 14 | 17 48 | 18 11 | 9 43 | 15 35 | 2 22 | |
| S 4 | 4 22 | 18 12 | 0 13 | 15 19 | 1 59 | 6 59 | 1 8 | 4 2 | 0 48 | 20 22 | 0 41 | 0 33 | 2 26 | 11 1 | 0 43 | 22 1 | 1 18 | 6 51 | 16 13 | 17 47 | 18 12 | 9 45 | 15 34 | 2 22 | |
| M 5 | 4 45 | 15 40 | 0s55 | 15 50 | 2 7 | 7 28 | 1 7 | 4 17 | 0 48 | 20 24 | 0 41 | 0 35 | 2 26 | 11 0 | 0 43 | 22 1 | 1 18 | 6 50 | 16 13 | 17 48 | 18 13 | 9 47 | 15 34 | 2 22 | |
| T 6 | 5 7 | 12 26 | 1 59 | 16 20 | 2 14 | 7 57 | 1 5 | 4 32 | 0 47 | 20 26 | 0 41 | 0 36 | 2 26 | 10 59 | 0 43 | 22 1 | 1 18 | 6 49 | 16 13 | 17 48 | 18 13 | 9 49 | 15 33 | 2 22 | |
| W 7 | 5 30 | 8 42 | 2 56 | 16 50 | 2 21 | 8 26 | 1 3 | 4 48 | 0 47 | 20 28 | 0 40 | 0 38 | 2 26 | 10 58 | 0 43 | 22 1 | 1 18 | 6 49 | 16 13 | 17 50 | 18 14 | 9 51 | 15 32 | 2 23 | |
| T 8 | 5 52 | 4 39 | 3 44 | 17 18 | 2 28 | 8 54 | 1 2 | 5 3 | 0 47 | 20 30 | 0 40 | 0 40 | 2 26 | 10 57 | 0 43 | 22 1 | 1 18 | 6 48 | 16 13 | 17 52 | 18 15 | 9 53 | 15 32 | 2 23 | |
| F 9 | 6 15 | 0 27 | 4 22 | 17 45 | 2 35 | 9 23 | 1 0 | 5 18 | 0 46 | 20 32 | 0 40 | 0 42 | 2 26 | 10 56 | 0 43 | 22 1 | 1 18 | 6 47 | 16 13 | 17 54 | 18 16 | 9 56 | 15 31 | 2 23 | |
| S 10 | 6 37 | 3n43 | 4 47 | 18 11 | 2 42 | 9 51 | 0 58 | 5 33 | 0 46 | 20 33 | 0 40 | 0 43 | 2 26 | 10 55 | 0 43 | 22 1 | 1 18 | 6 46 | 16 13 | 17 57 | 18 17 | 9 58 | 15 30 | 2 23 | |
| S 11 | 7 0 | 7 44 | 5 0 | 18 36 | 2 48 | 10 19 | 0 57 | 5 48 | 0 45 | 20 35 | 0 40 | 0 45 | 2 26 | 10 54 | 0 43 | 22 1 | 1 17 | 6 45 | 16 13 | 18 1 | 18 17 | 10 0 | 15 29 | 2 23 | |
| M12 | 7 22 | 11 25 | 4 59 | 18 59 | 2 54 | 10 46 | 0 55 | 6 4 | 0 45 | 20 37 | 0 40 | 0 47 | 2 26 | 10 53 | 0 43 | 22 1 | 1 17 | 6 44 | 16 13 | 18 4 | 18 18 | 10 2 | 15 29 | 2 23 | |
| T 13 | 7 44 | 14 40 | 4 46 | 19 21 | 3 0 | 11 14 | 0 53 | 6 19 | 0 45 | 20 39 | 0 39 | 0 48 | 2 26 | 10 52 | 0 43 | 22 1 | 1 17 | 6 44 | 16 13 | 18 7 | 18 19 | 10 4 | 15 28 | 2 24 | |
| W14 | 8 6 | 17 20 | 4 20 | 19 42 | 3 5 | 11 41 | 0 51 | 6 34 | 0 44 | 20 41 | 0 39 | 0 50 | 2 26 | 10 51 | 0 43 | 22 1 | 1 17 | 6 43 | 16 13 | 18 9 | 18 20 | 10 6 | 15 27 | 2 24 | |
| T 15 | 8 28 | 19 16 | 3 43 | 20 1 | 3 10 | 12 8 | 0 49 | 6 49 | 0 44 | 20 43 | 0 39 | 0 52 | 2 26 | 10 50 | 0 43 | 22 1 | 1 17 | 6 42 | 16 13 | 18 11 | 18 21 | 10 8 | 15 26 | 2 24 | |
| F 16 | 8 50 | 20 22 | 2 55 | 20 19 | 3 15 | 12 34 | 0 47 | 7 4 | 0 43 | 20 45 | 0 39 | 0 53 | 2 26 | 10 49 | 0 43 | 22 1 | 1 17 | 6 41 | 16 13 | 18 12 | 18 21 | 10 10 | 15 25 | 2 24 | |
| S 17 | 9 12 | 20 32 | 1 59 | 20 34 | 3 19 | 13 1 | 0 45 | 7 18 | 0 43 | 20 47 | 0 39 | 0 55 | 2 26 | 10 48 | 0 43 | 22 2 | 1 17 | 6 40 | 16 13 | 18 13 | 18 22 | 10 12 | 15 25 | 2 24 | |
| S 18 | 9 33 | 19 40 | 0 55 | 20 48 | 3 22 | 13 27 | 0 43 | 7 33 | 0 43 | 20 49 | 0 39 | 0 56 | 2 26 | 10 47 | 0 43 | 22 2 | 1 17 | 6 40 | 16 13 | 18 13 | 18 23 | 10 14 | 15 24 | 2 24 | |
| M19 | 9 55 | 17 46 | 0n13 | 21 1 | 3 25 | 13 52 | 0 41 | 7 48 | 0 42 | 20 51 | 0 39 | 0 58 | 2 25 | 10 46 | 0 43 | 22 2 | 1 17 | 6 39 | 16 13 | 18 13 | 18 24 | 10 16 | 15 23 | 2 24 | |
| T 20 | 10 16 | 14 52 | 1 23 | 21 11 | 3 27 | 14 18 | 0 39 | 8 3 | 0 42 | 20 53 | 0 38 | 1 0 | 2 25 | 10 45 | 0 43 | 22 2 | 1 17 | 6 38 | 16 14 | 18 13 | 18 25 | 10 19 | 15 22 | 2 25 | |
| W21 | 10 37 | 11 2 | 2 30 | 21 19 | 3 28 | 14 43 | 0 36 | 8 18 | 0 41 | 20 55 | 0 38 | 1 1 | 2 25 | 10 44 | 0 43 | 22 2 | 1 17 | 6 37 | 16 14 | 18 14 | 18 25 | 10 21 | 15 21 | 2 25 | |
| T 22 | 10 58 | 6 27 | 3 30 | 21 24 | 3 28 | 15 7 | 0 34 | 8 32 | 0 41 | 20 57 | 0 38 | 1 3 | 2 25 | 10 43 | 0 44 | 22 2 | 1 17 | 6 37 | 16 14 | 18 15 | 18 26 | 10 23 | 15 21 | 2 25 | |
| F 23 | 11 19 | 1 21 | 4 18 | 21 27 | 3 28 | 15 32 | 0 32 | 8 47 | 0 40 | 20 59 | 0 38 | 1 4 | 2 25 | 10 42 | 0 44 | 22 2 | 1 17 | 6 36 | 16 14 | 18 17 | 18 27 | 10 25 | 15 20 | 2 25 | |
| S 24 | 11 39 | 3s57 | 4 49 | 21 27 | 3 26 | 15 56 | 0 30 | 9 2 | 0 40 | 21 1 | 0 38 | 1 5 | 2 25 | 10 42 | 0 44 | 22 2 | 1 17 | 6 35 | 16 14 | 18 19 | 18 28 | 10 27 | 15 19 | 2 25 | |
| S 25 | 12 0 | 9 3 | 5 0 | 21 24 | 3 23 | 16 19 | 0 27 | 9 16 | 0 40 | 21 3 | 0 38 | 1 7 | 2 25 | 10 41 | 0 44 | 22 2 | 1 17 | 6 34 | 16 14 | 18 22 | 18 29 | 10 29 | 15 18 | 2 25 | |
| M26 | 12 20 | 13 35 | 4 50 | 21 18 | 3 19 | 16 42 | 0 25 | 9 31 | 0 39 | 21 5 | 0 38 | 1 8 | 2 25 | 10 40 | 0 44 | 22 2 | 1 17 | 6 34 | 16 14 | 18 25 | 18 29 | 10 31 | 15 17 | 2 25 | |
| T 27 | 12 40 | 17 11 | 4 19 | 21 9 | 3 13 | 17 5 | 0 23 | 9 45 | 0 39 | 21 7 | 0 38 | 1 10 | 2 25 | 10 39 | 0 44 | 22 2 | 1 17 | 6 33 | 16 14 | 18 27 | 18 30 | 10 33 | 15 16 | 2 26 | |
| W28 | 13 0 | 19 34 | 3 32 | 20 55 | 3 6 | 17 27 | 0 20 | 9 59 | 0 38 | 21 9 | 0 37 | 1 11 | 2 25 | 10 38 | 0 44 | 22 2 | 1 17 | 6 32 | 16 14 | 18 29 | 18 31 | 10 35 | 15 16 | 2 26 | |
| T 29 | 13 20 | 20 38 | 2 32 | 20 38 | 2 57 | 17 49 | 0 18 | 10 14 | 0 38 | 21 11 | 0 37 | 1 12 | 2 25 | 10 38 | 0 44 | 22 2 | 1 17 | 6 32 | 16 15 | 18 30 | 18 32 | 10 37 | 15 15 | 2 26 | |
| F 30 | 13 40 | 20 23 | 1 25 | 20 17 | 2 46 | 18 10 | 0 15 | 10 28 | 0 37 | 21 12 | 0 37 | 1 13 | 2 24 | 10 37 | 0 44 | 22 2 | 1 17 | 6 31 | 16 15 | 18 31 | 18 33 | 10 39 | 15 14 | 2 26 | |
| S 31 | 13s59 | 18s58 | 0n15 | 19s52 | 2s34 | 18s31 | 0n13 | 10s42 | 0n37 | 21s14 | 0n37 | 1s15 | 2s24 | 10n36 | 0n44 | 22s 2 | 1n17 | 6n30 | 16n15 | 18n31 | 18n33 | 10n41 | 15n13 | 2s26 | |

Julian Day Number = 2805007.5, Delta T = 51m26s
Ecliptic obliquity = 23°18'45, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'12, Lahiri = 37°24'13


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# ASTRODIENST EPHEMERIS for the year 2967
# geocentric

## NOVEMBER 2967 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 41 49 | 8♏36'54 | 16♒46 | 18°R 8 | 25♏28 | 0♏16 | 10♐20 | 2°R23 | 4♍14 | 0♑10 | 22♎15 | 6°R38 | 6♌25 | 12♉49 | 19°R38 | S 1 |
| M 2 | 2 45 45 | 9°36'23 | 29°25 | 17♏ 5 | 26°42 | 0°55 | 10°32 | 2♈20 | 4°16 | 0°11 | 22°17 | 6♌37 | 6°22 | 12°56 | 19♉35 | M 2 |
| T 3 | 2 49 42 | 10°35'53 | 11♓48 | 15°57 | 27°57 | 1°35 | 10°44 | 2°17 | 4°18 | 0°13 | 22°20 | 6°34 | 6°19 | 13° 3 | 19°33 | T 3 |
| W 4 | 2 53 38 | 11°35'25 | 24° 0 | 14°44 | 29°11 | 2°14 | 10°56 | 2°14 | 4°20 | 0°15 | 22°22 | 6°28 | 6°16 | 13°10 | 19°30 | W 4 |
| T 5 | 2 57 35 | 12°34'59 | 6♈ 3 | 13°30 | 0♐26 | 2°53 | 11° 9 | 2°11 | 4°22 | 0°16 | 22°24 | 6°20 | 6°13 | 13°16 | 19°27 | T 5 |
| F 6 | 3 1 31 | 13°34'34 | 18° 1 | 12°15 | 1°40 | 3°32 | 11°21 | 2° 8 | 4°23 | 0°18 | 22°26 | 6° 8 | 6° 9 | 13°23 | 19°24 | F 6 |
| S 7 | 3 5 28 | 14°34'12 | 29°55 | 11° 3 | 2°55 | 4°12 | 11°34 | 2° 5 | 4°25 | 0°20 | 22°28 | 5°55 | 6° 6 | 13°30 | 19°21 | S 7 |
| S 8 | 3 9 25 | 15°33'51 | 11♉48 | 9°55 | 4° 9 | 4°51 | 11°46 | 2° 3 | 4°27 | 0°21 | 22°31 | 5°40 | 6° 3 | 13°36 | 19°18 | S 8 |
| M 9 | 3 13 21 | 16°33'32 | 23°41 | 8°54 | 5°24 | 5°30 | 11°59 | 2° 0 | 4°29 | 0°23 | 22°33 | 5°26 | 6° 0 | 13°43 | 19°15 | M 9 |
| T 10 | 3 17 18 | 17°33'16 | 5♊35 | 8° 1 | 6°38 | 6°10 | 12°12 | 1°58 | 4°30 | 0°25 | 22°35 | 5°13 | 5°57 | 13°50 | 19°12 | T 10 |
| W11 | 3 21 14 | 18°33'01 | 17°31 | 7°17 | 7°53 | 6°49 | 12°24 | 1°55 | 4°32 | 0°27 | 22°37 | 5° 3 | 5°54 | 13°57 | 19° 9 | W11 |
| T 12 | 3 25 11 | 19°32'48 | 29°32 | 6°45 | 9° 7 | 7°29 | 12°37 | 1°53 | 4°34 | 0°28 | 22°39 | 4°55 | 5°50 | 14° 3 | 19° 6 | T 12 |
| F 13 | 3 29 7 | 20°32'38 | 11♋40 | 6°24 | 10°22 | 8° 8 | 12°50 | 1°51 | 4°35 | 0°30 | 22°41 | 4°50 | 5°47 | 14°10 | 19° 4 | F 13 |
| S 14 | 3 33 4 | 21°32'30 | 23°59 | 6°D14 | 11°36 | 8°48 | 13° 3 | 1°48 | 4°36 | 0°32 | 22°43 | 4°48 | 5°44 | 14°17 | 19° 1 | S 14 |
| S 15 | 3 37 1 | 22°32'23 | 6♌31 | 6°15 | 12°51 | 9°27 | 13°15 | 1°46 | 4°38 | 0°34 | 22°45 | 4°D47 | 5°41 | 14°23 | 18°58 | S 15 |
| M16 | 3 40 57 | 23°32'19 | 19°23 | 6°28 | 14° 5 | 10° 7 | 13°28 | 1°44 | 4°39 | 0°36 | 22°48 | 4°R48 | 5°38 | 14°30 | 18°55 | M16 |
| T 17 | 3 44 54 | 24°32'17 | 2♍37 | 6°51 | 15°20 | 10°47 | 13°41 | 1°42 | 4°41 | 0°38 | 22°50 | 4°47 | 5°34 | 14°37 | 18°52 | T 17 |
| W18 | 3 48 50 | 25°32'17 | 16°17 | 7°23 | 16°34 | 11°26 | 13°54 | 1°41 | 4°42 | 0°40 | 22°52 | 4°46 | 5°31 | 14°44 | 18°49 | W18 |
| T 19 | 3 52 47 | 26°32'19 | 0♎25 | 8° 4 | 17°49 | 12° 6 | 14° 7 | 1°39 | 4°43 | 0°41 | 22°54 | 4°42 | 5°28 | 14°50 | 18°46 | T 19 |
| F 20 | 3 56 43 | 27°32'24 | 15° 0 | 8°53 | 19° 3 | 12°46 | 14°20 | 1°37 | 4°44 | 0°43 | 22°56 | 4°35 | 5°25 | 14°57 | 18°43 | F 20 |
| S 21 | 4 0 40 | 28°32'30 | 29°59 | 9°49 | 20°18 | 13°25 | 14°33 | 1°36 | 4°45 | 0°45 | 22°58 | 4°26 | 5°22 | 15° 4 | 18°40 | S 21 |
| S 22 | 4 4 36 | 29°32'38 | 15♏12 | 10°51 | 21°32 | 14° 5 | 14°46 | 1°34 | 4°46 | 0°47 | 23° 0 | 4°16 | 5°19 | 15°11 | 18°38 | S 22 |
| M23 | 4 8 33 | 0♐32'49 | 0♐30 | 11°59 | 22°47 | 14°45 | 14°59 | 1°33 | 4°47 | 0°49 | 23° 2 | 4° 6 | 5°15 | 15°17 | 18°35 | M23 |
| T 24 | 4 12 29 | 1°33'01 | 15°42 | 13°11 | 24° 1 | 15°25 | 15°13 | 1°32 | 4°48 | 0°51 | 23° 3 | 3°58 | 5°12 | 15°24 | 18°32 | T 24 |
| W25 | 4 16 26 | 2°33'14 | 0♑36 | 14°27 | 25°16 | 16° 5 | 15°26 | 1°31 | 4°49 | 0°53 | 23° 5 | 3°51 | 5° 9 | 15°31 | 18°29 | W25 |
| T 26 | 4 20 23 | 3°33'30 | 15° 5 | 15°46 | 26°30 | 16°44 | 15°39 | 1°30 | 4°50 | 0°56 | 23° 7 | 3°47 | 5° 6 | 15°37 | 18°26 | T 26 |
| F 27 | 4 24 19 | 4°33'46 | 29° 7 | 17° 8 | 27°45 | 17°24 | 15°52 | 1°29 | 4°51 | 0°58 | 23° 9 | 3°D46 | 5° 3 | 15°44 | 18°24 | F 27 |
| S 28 | 4 28 16 | 5°34'05 | 12♒39 | 18°33 | 28°59 | 18° 4 | 16° 5 | 1°28 | 4°51 | 1° 0 | 23°11 | 3°46 | 5° 0 | 15°51 | 18°21 | S 28 |
| S 29 | 4 32 12 | 6°34'24 | 25°44 | 19°59 | 0♑14 | 18°44 | 16°19 | 1°28 | 4°52 | 1° 2 | 23°13 | 3°47 | 4°56 | 15°58 | 18°18 | S 29 |
| M30 | 4 36 9 | 7♐34'45 | 8♓26 | 21♏27 | 1♑28 | 19♏24 | 16♐32 | 1♈27 | 4♍53 | 1♑ 4 | 23♎15 | 3°R47 | 4♌53 | 16♉ 4 | 18♉15 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s18 | 16s35 | 0s53 | 19s23 | 2s20 | 18s51 | 0n10 | 10s56 | 0n37 | 21s16 | 0n37 | 1s16 | 2s24 | 10n35 | 0n44 | 22s 2 | 1n17 | 6n30 | 16n15 | 18n31 | 18n34 | 10n43 | 15n12 | 2s26 |
| M 2 | 14 37 | 13 27 | 1 57 | 18 50 | 2 4 | 19 11 | 0 8 | 11 10 | 0 36 | 21 18 | 0 37 | 1 17 | 2 24 | 10 35 | 0 44 | 22 2 | 1 17 | 6 29 | 16 15 | 18 31 | 18 35 | 10 46 | 15 11 | 2 26 |
| T 3 | 14 55 | 9 47 | 2 54 | 18 14 | 1 47 | 19 31 | 0 5 | 11 24 | 0 36 | 21 20 | 0 37 | 1 18 | 2 24 | 10 34 | 0 44 | 22 2 | 1 17 | 6 29 | 16 15 | 18 32 | 18 36 | 10 48 | 15 10 | 2 26 |
| W 4 | 15 14 | 5 46 | 3 42 | 17 34 | 1 28 | 19 49 | 0 3 | 11 38 | 0 35 | 21 22 | 0 37 | 1 19 | 2 24 | 10 33 | 0 44 | 22 2 | 1 16 | 6 28 | 16 16 | 18 33 | 18 36 | 10 50 | 15 10 | 2 26 |
| T 5 | 15 32 | 1 35 | 4 20 | 16 53 | 1 8 | 20 8 | 0 0 | 11 52 | 0 35 | 21 24 | 0 36 | 1 20 | 2 24 | 10 33 | 0 44 | 22 2 | 1 16 | 6 27 | 16 16 | 18 36 | 18 37 | 10 52 | 15 9 | 2 27 |
| F 6 | 15 50 | 2n38 | 4 45 | 16 11 | 0 48 | 20 26 | 0s 2 | 12 6 | 0 34 | 21 25 | 0 36 | 1 21 | 2 24 | 10 32 | 0 44 | 22 2 | 1 16 | 6 27 | 16 16 | 18 38 | 18 38 | 10 54 | 15 8 | 2 27 |
| S 7 | 16 7 | 6 44 | 4 58 | 15 30 | 0 27 | 20 43 | 0 5 | 12 19 | 0 34 | 21 27 | 0 36 | 1 22 | 2 23 | 10 31 | 0 44 | 22 2 | 1 16 | 6 26 | 16 16 | 18 42 | 18 39 | 10 56 | 15 7 | 2 27 |
| S 8 | 16 25 | 10 34 | 4 58 | 14 49 | 0 7 | 20 59 | 0 8 | 12 33 | 0 33 | 21 29 | 0 36 | 1 23 | 2 23 | 10 31 | 0 44 | 22 2 | 1 16 | 6 26 | 16 16 | 18 45 | 18 40 | 10 58 | 15 6 | 2 27 |
| M 9 | 16 42 | 13 59 | 4 45 | 14 11 | 0n13 | 21 15 | 0 10 | 12 46 | 0 33 | 21 31 | 0 36 | 1 24 | 2 23 | 10 30 | 0 44 | 22 2 | 1 16 | 6 25 | 16 17 | 18 49 | 18 40 | 11 0 | 15 5 | 2 27 |
| T 10 | 16 59 | 16 52 | 4 19 | 13 36 | 0 32 | 21 31 | 0 13 | 13 0 | 0 32 | 21 33 | 0 36 | 1 25 | 2 23 | 10 30 | 0 44 | 22 2 | 1 16 | 6 25 | 16 17 | 18 52 | 18 41 | 11 2 | 15 4 | 2 27 |
| W11 | 17 15 | 19 2 | 3 42 | 13 5 | 0 50 | 21 46 | 0 15 | 13 13 | 0 32 | 21 34 | 0 36 | 1 26 | 2 23 | 10 29 | 0 44 | 22 2 | 1 16 | 6 24 | 16 17 | 18 54 | 18 42 | 11 4 | 15 4 | 2 27 |
| T 12 | 17 32 | 20 24 | 2 55 | 12 39 | 1 6 | 22 0 | 0 18 | 13 26 | 0 32 | 21 36 | 0 36 | 1 26 | 2 23 | 10 29 | 0 44 | 22 3 | 1 16 | 6 23 | 16 17 | 18 56 | 18 43 | 11 6 | 15 3 | 2 27 |
| F 13 | 17 48 | 20 49 | 1 59 | 12 18 | 1 21 | 22 13 | 0 20 | 13 39 | 0 31 | 21 38 | 0 36 | 1 27 | 2 22 | 10 28 | 0 44 | 22 3 | 1 16 | 6 23 | 16 18 | 18 57 | 18 44 | 11 8 | 15 2 | 2 27 |
| S 14 | 18 3 | 20 16 | 0 57 | 12 3 | 1 34 | 22 26 | 0 23 | 13 52 | 0 31 | 21 39 | 0 35 | 1 28 | 2 22 | 10 28 | 0 44 | 22 3 | 1 16 | 6 23 | 16 18 | 18 58 | 18 44 | 11 10 | 15 1 | 2 27 |
| S 15 | 18 19 | 18 42 | 0n 9 | 11 53 | 1 45 | 22 39 | 0 26 | 14 5 | 0 30 | 21 41 | 0 35 | 1 28 | 2 22 | 10 27 | 0 44 | 22 3 | 1 16 | 6 22 | 16 18 | 18 58 | 18 45 | 11 12 | 15 0 | 2 27 |
| M16 | 18 34 | 16 9 | 1 17 | 11 49 | 1 54 | 22 50 | 0 28 | 14 18 | 0 30 | 21 43 | 0 35 | 1 29 | 2 22 | 10 27 | 0 45 | 22 3 | 1 16 | 6 22 | 16 19 | 18 58 | 18 46 | 11 14 | 14 59 | 2 28 |
| T 17 | 18 48 | 12 42 | 2 22 | 11 49 | 2 1 | 23 1 | 0 31 | 14 31 | 0 29 | 21 44 | 0 35 | 1 30 | 2 22 | 10 26 | 0 45 | 22 3 | 1 16 | 6 21 | 16 19 | 18 58 | 18 47 | 11 16 | 14 58 | 2 28 |
| W18 | 19 3 | 8 29 | 3 22 | 11 54 | 2 7 | 23 12 | 0 33 | 14 44 | 0 29 | 21 46 | 0 35 | 1 30 | 2 22 | 10 26 | 0 45 | 22 3 | 1 16 | 6 21 | 16 19 | 18 58 | 18 47 | 11 19 | 14 58 | 2 28 |
| T 19 | 19 17 | 3 40 | 4 11 | 12 3 | 2 11 | 23 21 | 0 36 | 14 56 | 0 28 | 21 48 | 0 35 | 1 31 | 2 21 | 10 25 | 0 45 | 22 3 | 1 16 | 6 20 | 16 20 | 18 59 | 18 48 | 11 21 | 14 57 | 2 28 |
| F 20 | 19 30 | 1s29 | 4 46 | 12 16 | 2 14 | 23 30 | 0 38 | 15 9 | 0 28 | 21 49 | 0 35 | 1 31 | 2 21 | 10 25 | 0 45 | 22 3 | 1 16 | 6 20 | 16 20 | 19 1 | 18 49 | 11 23 | 14 56 | 2 28 |
| S 21 | 19 44 | 6 41 | 5 2 | 12 32 | 2 15 | 23 38 | 0 41 | 15 21 | 0 27 | 21 51 | 0 35 | 1 32 | 2 21 | 10 25 | 0 45 | 22 3 | 1 16 | 6 19 | 16 20 | 19 3 | 18 50 | 11 25 | 14 55 | 2 28 |
| S 22 | 19 57 | 11 34 | 4 57 | 12 51 | 2 16 | 23 46 | 0 43 | 15 33 | 0 27 | 21 52 | 0 35 | 1 32 | 2 21 | 10 24 | 0 45 | 22 3 | 1 16 | 6 19 | 16 21 | 19 5 | 18 50 | 11 27 | 14 54 | 2 28 |
| M23 | 20 9 | 15 43 | 4 32 | 13 12 | 2 15 | 23 53 | 0 46 | 15 46 | 0 26 | 21 54 | 0 35 | 1 32 | 2 21 | 10 24 | 0 45 | 22 3 | 1 16 | 6 19 | 16 21 | 19 8 | 18 51 | 11 29 | 14 53 | 2 28 |
| T 24 | 20 22 | 18 47 | 3 47 | 13 36 | 2 13 | 23 59 | 0 48 | 15 58 | 0 26 | 21 56 | 0 34 | 1 33 | 2 21 | 10 24 | 0 45 | 22 3 | 1 16 | 6 18 | 16 21 | 19 10 | 18 52 | 11 31 | 14 53 | 2 28 |
| W25 | 20 34 | 20 31 | 2 47 | 14 0 | 2 11 | 24 4 | 0 51 | 16 10 | 0 25 | 21 57 | 0 34 | 1 33 | 2 20 | 10 23 | 0 45 | 22 3 | 1 16 | 6 18 | 16 22 | 19 11 | 18 53 | 11 33 | 14 52 | 2 28 |
| T 26 | 20 45 | 20 50 | 1 38 | 14 26 | 2 7 | 24 9 | 0 53 | 16 21 | 0 25 | 21 59 | 0 34 | 1 33 | 2 20 | 10 23 | 0 45 | 22 3 | 1 16 | 6 18 | 16 22 | 19 12 | 18 54 | 11 35 | 14 51 | 2 28 |
| F 27 | 20 56 | 19 49 | 0 25 | 14 53 | 2 3 | 24 13 | 0 56 | 16 33 | 0 24 | 22 0 | 0 34 | 1 33 | 2 20 | 10 23 | 0 45 | 22 3 | 1 16 | 6 17 | 16 22 | 19 12 | 18 54 | 11 37 | 14 50 | 2 28 |
| S 28 | 21 7 | 17 41 | 0s47 | 15 21 | 1 59 | 24 16 | 0 58 | 16 45 | 0 24 | 22 1 | 0 34 | 1 33 | 2 20 | 10 23 | 0 45 | 22 3 | 1 16 | 6 17 | 16 23 | 19 12 | 18 55 | 11 39 | 14 49 | 2 28 |
| S 29 | 21 18 | 14 41 | 1 55 | 15 49 | 1 54 | 24 19 | 1 0 | 16 56 | 0 23 | 22 3 | 0 34 | 1 34 | 2 20 | 10 23 | 0 45 | 22 3 | 1 16 | 6 17 | 16 23 | 19 12 | 18 56 | 11 41 | 14 49 | 2 28 |
| M30 | 21s28 | 11s 4 | 2s55 | 16s17 | 1n49 | 24s21 | 1s 3 | 17s 7 | 0n23 | 22s 4 | 0n34 | 1s34 | 2s19 | 10n22 | 0n45 | 22s 3 | 1n16 | 6n17 | 16n23 | 19n12 | 18n57 | 11n43 | 14n48 | 2s28 |

Julian Day Number = 2805038.5, Delta T = 51m26s
Ecliptic obliquity = 23°18'45, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'17, Lahiri = 37°24'17


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# ASTRODIENST EPHEMERIS for the year 2967
# geocentric

## DECEMBER 2967 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 40 5 | 8♐35'07 | 20♓49 | 22♏57 | 2♑43 | 20♏ 4 | 16♐45 | 1°R27 | 4♍53 | 1♑ 6 | 23♎16 | 3°R46 | 4♌50 | 16♉11 | 18°R13 | T 1 |
| W 2 | 4 44 2 | 9°35'30 | 2♈58 | 24°28 | 3°57 | 20°44 | 16°58 | 1♈26 | 4°54 | 1° 8 | 23°18 | 3♌43 | 4°47 | 16°18 | 18♉10 | W 2 |
| T 3 | 4 47 59 | 10°35'55 | 14°57 | 25°59 | 5°12 | 21°24 | 17°12 | 1°26 | 4°54 | 1°10 | 23°20 | 3°38 | 4°44 | 16°24 | 18° 7 | T 3 |
| F 4 | 4 51 55 | 11°36'21 | 26°51 | 27°31 | 6°26 | 22° 4 | 17°25 | 1°26 | 4°55 | 1°12 | 23°22 | 3°31 | 4°40 | 16°31 | 18° 5 | F 4 |
| S 5 | 4 55 52 | 12°36'49 | 8♉43 | 29° 4 | 7°41 | 22°45 | 17°38 | 1°D26 | 4°55 | 1°15 | 23°23 | 3°22 | 4°37 | 16°38 | 18° 2 | S 5 |
| S 6 | 4 59 48 | 13°37'18 | 20°35 | 0♐37 | 8°55 | 23°25 | 17°52 | 1°26 | 4°55 | 1°17 | 23°25 | 3°12 | 4°34 | 16°45 | 18° 0 | S 6 |
| M 7 | 5 3 45 | 14°37'48 | 2♊30 | 2°11 | 10° 9 | 24° 5 | 18° 5 | 1°26 | 4°55 | 1°19 | 23°27 | 3° 2 | 4°31 | 16°51 | 17°57 | M 7 |
| T 8 | 5 7 41 | 15°38'20 | 14°29 | 3°45 | 11°24 | 24°45 | 18°18 | 1°26 | 4°56 | 1°21 | 23°28 | 2°53 | 4°28 | 16°58 | 17°55 | T 8 |
| W 9 | 5 11 38 | 16°38'53 | 26°34 | 5°19 | 12°38 | 25°25 | 18°32 | 1°27 | 4°56 | 1°23 | 23°30 | 2°45 | 4°25 | 17° 5 | 17°52 | W 9 |
| T 10 | 5 15 34 | 17°39'27 | 8♋45 | 6°53 | 13°53 | 26° 6 | 18°45 | 1°27 | 4°R56 | 1°25 | 23°31 | 2°40 | 4°21 | 17°11 | 17°50 | T 10 |
| F 11 | 5 19 31 | 18°40'03 | 21° 5 | 8°27 | 15° 7 | 26°46 | 18°58 | 1°28 | 4°56 | 1°28 | 23°33 | 2°37 | 4°18 | 17°18 | 17°47 | F 11 |
| S 12 | 5 23 28 | 19°40'41 | 3♌34 | 10° 2 | 16°21 | 27°26 | 19°12 | 1°28 | 4°56 | 1°30 | 23°34 | 2°D37 | 4°15 | 17°25 | 17°45 | S 12 |
| S 13 | 5 27 24 | 20°41'20 | 16°16 | 11°36 | 17°36 | 28° 7 | 19°25 | 1°29 | 4°56 | 1°32 | 23°36 | 2°37 | 4°12 | 17°32 | 17°43 | S 13 |
| M14 | 5 31 21 | 21°42'01 | 29°13 | 13°10 | 18°50 | 28°47 | 19°38 | 1°30 | 4°55 | 1°34 | 23°37 | 2°39 | 4° 9 | 17°38 | 17°40 | M14 |
| T 15 | 5 35 17 | 22°42'43 | 12♍28 | 14°45 | 20° 4 | 29°27 | 19°52 | 1°31 | 4°55 | 1°37 | 23°39 | 2°40 | 4° 6 | 17°45 | 17°38 | T 15 |
| W16 | 5 39 14 | 23°43'26 | 26° 3 | 16°19 | 21°19 | 0♐ 8 | 20° 5 | 1°32 | 4°55 | 1°39 | 23°40 | 2°R41 | 4° 2 | 17°52 | 17°36 | W16 |
| T 17 | 5 43 10 | 24°44'11 | 9♎59 | 17°53 | 22°33 | 0°48 | 20°19 | 1°34 | 4°55 | 1°41 | 23°42 | 2°40 | 3°59 | 17°59 | 17°34 | T 17 |
| F 18 | 5 47 7 | 25°44'58 | 24°17 | 19°27 | 23°47 | 1°29 | 20°32 | 1°35 | 4°54 | 1°43 | 23°43 | 2°37 | 3°56 | 18° 5 | 17°31 | F 18 |
| S 19 | 5 51 3 | 26°45'46 | 8♏55 | 21° 1 | 25° 2 | 2° 9 | 20°45 | 1°36 | 4°54 | 1°46 | 23°44 | 2°33 | 3°53 | 18°12 | 17°29 | S 19 |
| S 20 | 5 55 0 | 27°46'36 | 23°47 | 22°36 | 26°16 | 2°50 | 20°59 | 1°38 | 4°53 | 1°48 | 23°45 | 2°28 | 3°50 | 18°19 | 17°27 | S 20 |
| M21 | 5 58 57 | 28°47'27 | 8♐46 | 24°10 | 27°30 | 3°31 | 21°12 | 1°40 | 4°53 | 1°50 | 23°47 | 2°22 | 3°46 | 18°25 | 17°25 | M21 |
| T 22 | 6 2 53 | 29°48'19 | 23°44 | 25°44 | 28°45 | 4°11 | 21°25 | 1°41 | 4°52 | 1°52 | 23°48 | 2°18 | 3°43 | 18°32 | 17°23 | T 22 |
| W23 | 6 6 50 | 0♑49'12 | 8♑30 | 27°18 | 29°59 | 4°52 | 21°39 | 1°43 | 4°51 | 1°55 | 23°49 | 2°14 | 3°40 | 18°39 | 17°21 | W23 |
| T 24 | 6 10 46 | 1°50'06 | 22°59 | 28°52 | 1♒13 | 5°33 | 21°52 | 1°45 | 4°51 | 1°57 | 23°50 | 2°12 | 3°37 | 18°46 | 17°20 | T 24 |
| F 25 | 6 14 43 | 2°51'01 | 7♒ 3 | 0♑26 | 2°27 | 6°13 | 22° 5 | 1°47 | 4°50 | 1°59 | 23°51 | 2°D12 | 3°34 | 18°52 | 17°18 | F 25 |
| S 26 | 6 18 39 | 3°51'57 | 20°42 | 2° 0 | 3°41 | 6°54 | 22°19 | 1°49 | 4°49 | 2° 1 | 23°53 | 2°13 | 3°31 | 18°59 | 17°16 | S 26 |
| S 27 | 6 22 36 | 4°52'53 | 3♓54 | 3°34 | 4°56 | 7°35 | 22°32 | 1°52 | 4°48 | 2° 4 | 23°54 | 2°15 | 3°27 | 19° 6 | 17°14 | S 27 |
| M28 | 6 26 32 | 5°53'50 | 16°42 | 5° 9 | 6°10 | 8°16 | 22°45 | 1°54 | 4°47 | 2° 6 | 23°55 | 2°16 | 3°24 | 19°12 | 17°12 | M28 |
| T 29 | 6 30 29 | 6°54'47 | 29°10 | 6°43 | 7°24 | 8°57 | 22°58 | 1°57 | 4°46 | 2° 8 | 23°56 | 2°18 | 3°21 | 19°19 | 17°11 | T 29 |
| W30 | 6 34 26 | 7°55'45 | 11♈22 | 8°17 | 8°38 | 9°38 | 23°11 | 1°59 | 4°45 | 2°10 | 23°57 | 2°R18 | 3°18 | 19°26 | 17° 9 | W30 |
| T 31 | 6 38 22 | 8♑56'43 | 23♈22 | 9♑52 | 9♒52 | 10♐18 | 23♐25 | 2♈ 2 | 4♍44 | 2♑13 | 23♎57 | 2♌17 | 3♌15 | 19♉33 | 17♉ 8 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s37 | 7s 4 | 3s45 | 16s45 | 1n43 | 24s22 | 1s 5 | 17s19 | 0n22 | 22s 6 | 0n34 | 1s34 | 2s19 | 10n22 | 0n45 | 22s 3 | 1n16 | 6n16 | 16n24 | 19n12 | 18n57 | 11n45 | 14n47 | 2s28 |
| W 2 | 21 46 | 2 52 | 4 23 | 17 13 | 1 37 | 24 22 | 1 7 | 17 30 | 0 22 | 22 7 | 0 34 | 1 34 | 2 19 | 10 22 | 0 45 | 22 3 | 1 16 | 6 16 | 16 24 | 19 13 | 18 58 | 11 47 | 14 46 | 2 28 |
| T 3 | 21 55 | 1n24 | 4 50 | 17 41 | 1 31 | 24 22 | 1 9 | 17 41 | 0 21 | 22 8 | 0 34 | 1 33 | 2 19 | 10 22 | 0 45 | 22 3 | 1 16 | 6 16 | 16 25 | 19 14 | 18 59 | 11 49 | 14 46 | 2 28 |
| F 4 | 22 3 | 5 34 | 5 4 | 18 8 | 1 24 | 24 21 | 1 11 | 17 52 | 0 21 | 22 10 | 0 34 | 1 33 | 2 19 | 10 22 | 0 45 | 22 3 | 1 16 | 6 16 | 16 25 | 19 16 | 19 0 | 11 51 | 14 45 | 2 28 |
| S 5 | 22 11 | 9 31 | 5 5 | 18 35 | 1 18 | 24 19 | 1 13 | 18 2 | 0 20 | 22 11 | 0 33 | 1 33 | 2 18 | 10 22 | 0 45 | 22 3 | 1 16 | 6 15 | 16 26 | 19 18 | 19 0 | 11 53 | 14 44 | 2 28 |
| S 6 | 22 19 | 13 6 | 4 52 | 19 1 | 1 11 | 24 16 | 1 16 | 18 13 | 0 19 | 22 12 | 0 33 | 1 33 | 2 18 | 10 22 | 0 45 | 22 3 | 1 16 | 6 15 | 16 26 | 19 20 | 19 1 | 11 55 | 14 43 | 2 28 |
| M 7 | 22 26 | 16 11 | 4 27 | 19 27 | 1 4 | 24 13 | 1 18 | 18 23 | 0 19 | 22 14 | 0 33 | 1 33 | 2 18 | 10 22 | 0 45 | 22 3 | 1 16 | 6 15 | 16 26 | 19 23 | 19 2 | 11 57 | 14 43 | 2 28 |
| T 8 | 22 33 | 18 37 | 3 50 | 19 52 | 0 57 | 24 9 | 1 20 | 18 33 | 0 18 | 22 15 | 0 33 | 1 32 | 2 18 | 10 22 | 0 46 | 22 3 | 1 16 | 6 15 | 16 27 | 19 25 | 19 3 | 11 59 | 14 42 | 2 28 |
| W 9 | 22 39 | 20 14 | 3 2 | 20 16 | 0 50 | 24 4 | 1 21 | 18 44 | 0 18 | 22 16 | 0 33 | 1 32 | 2 18 | 10 22 | 0 46 | 22 3 | 1 15 | 6 15 | 16 27 | 19 26 | 19 3 | 12 1 | 14 41 | 2 28 |
| T 10 | 22 45 | 20 56 | 2 5 | 20 39 | 0 43 | 23 58 | 1 23 | 18 54 | 0 17 | 22 17 | 0 33 | 1 32 | 2 17 | 10 22 | 0 46 | 22 3 | 1 15 | 6 15 | 16 28 | 19 28 | 19 4 | 12 3 | 14 41 | 2 28 |
| F 11 | 22 50 | 20 39 | 1 2 | 21 1 | 0 35 | 23 52 | 1 25 | 19 3 | 0 17 | 22 18 | 0 33 | 1 31 | 2 17 | 10 22 | 0 46 | 22 3 | 1 15 | 6 15 | 16 28 | 19 28 | 19 5 | 12 5 | 14 40 | 2 28 |
| S 12 | 22 55 | 19 20 | 0n 5 | 21 22 | 0 28 | 23 45 | 1 27 | 19 13 | 0 16 | 22 20 | 0 33 | 1 31 | 2 17 | 10 22 | 0 46 | 22 3 | 1 15 | 6 15 | 16 29 | 19 28 | 19 6 | 12 8 | 14 39 | 2 28 |
| S 13 | 22 59 | 17 3 | 1 13 | 21 42 | 0 21 | 23 38 | 1 29 | 19 23 | 0 16 | 22 21 | 0 33 | 1 30 | 2 17 | 10 22 | 0 46 | 22 3 | 1 15 | 6 14 | 16 29 | 19 28 | 19 6 | 12 10 | 14 39 | 2 28 |
| M14 | 23 3 | 13 52 | 2 19 | 22 2 | 0 14 | 23 29 | 1 30 | 19 32 | 0 15 | 22 22 | 0 33 | 1 30 | 2 17 | 10 22 | 0 46 | 22 3 | 1 15 | 6 14 | 16 30 | 19 28 | 19 7 | 12 12 | 14 38 | 2 28 |
| T 15 | 23 7 | 9 55 | 3 19 | 22 20 | 0 7 | 23 20 | 1 32 | 19 41 | 0 15 | 22 23 | 0 33 | 1 29 | 2 16 | 10 22 | 0 46 | 22 3 | 1 15 | 6 14 | 16 30 | 19 28 | 19 8 | 12 14 | 14 38 | 2 28 |
| W16 | 23 10 | 5 23 | 4 10 | 22 37 | 0s 0 | 23 10 | 1 33 | 19 51 | 0 14 | 22 24 | 0 33 | 1 28 | 2 16 | 10 22 | 0 46 | 22 3 | 1 15 | 6 14 | 16 31 | 19 27 | 19 9 | 12 16 | 14 37 | 2 28 |
| T 17 | 23 12 | 0 28 | 4 47 | 22 53 | 0 7 | 23 0 | 1 35 | 20 0 | 0 13 | 22 25 | 0 33 | 1 28 | 2 16 | 10 22 | 0 46 | 22 3 | 1 15 | 6 14 | 16 31 | 19 28 | 19 9 | 12 18 | 14 36 | 2 28 |
| F 18 | 23 15 | 4s35 | 5 8 | 23 8 | 0 14 | 22 49 | 1 36 | 20 8 | 0 13 | 22 26 | 0 33 | 1 27 | 2 16 | 10 23 | 0 46 | 22 3 | 1 15 | 6 14 | 16 32 | 19 28 | 19 10 | 12 20 | 14 36 | 2 28 |
| S 19 | 23 16 | 9 30 | 5 9 | 23 21 | 0 21 | 22 37 | 1 38 | 20 17 | 0 12 | 22 27 | 0 32 | 1 26 | 2 16 | 10 23 | 0 46 | 22 3 | 1 15 | 6 14 | 16 32 | 19 29 | 19 11 | 12 22 | 14 35 | 2 28 |
| S 20 | 23 18 | 13 56 | 4 50 | 23 34 | 0 27 | 22 24 | 1 39 | 20 25 | 0 12 | 22 28 | 0 32 | 1 26 | 2 15 | 10 23 | 0 46 | 22 3 | 1 15 | 6 14 | 16 33 | 19 30 | 19 12 | 12 24 | 14 35 | 2 28 |
| M21 | 23 18 | 17 31 | 4 11 | 23 45 | 0 34 | 22 11 | 1 40 | 20 34 | 0 11 | 22 29 | 0 32 | 1 25 | 2 15 | 10 23 | 0 46 | 22 3 | 1 15 | 6 14 | 16 33 | 19 32 | 19 12 | 12 26 | 14 34 | 2 28 |
| T 22 | 23 19 | 19 55 | 3 15 | 23 55 | 0 40 | 21 57 | 1 41 | 20 42 | 0 11 | 22 30 | 0 32 | 1 24 | 2 15 | 10 24 | 0 46 | 22 3 | 1 15 | 6 14 | 16 34 | 19 33 | 19 13 | 12 28 | 14 34 | 2 28 |
| W23 | 23 19 | 20 57 | 2 6 | 24 3 | 0 46 | 21 43 | 1 42 | 20 50 | 0 10 | 22 31 | 0 32 | 1 23 | 2 15 | 10 24 | 0 46 | 22 3 | 1 15 | 6 14 | 16 34 | 19 33 | 19 14 | 12 30 | 14 33 | 2 28 |
| T 24 | 23 18 | 20 32 | 0 50 | 24 11 | 0 53 | 21 28 | 1 44 | 20 58 | 0 9 | 22 32 | 0 32 | 1 22 | 2 14 | 10 24 | 0 46 | 22 3 | 1 15 | 6 15 | 16 35 | 19 34 | 19 15 | 12 32 | 14 33 | 2 28 |
| F 25 | 23 17 | 18 50 | 0s27 | 24 17 | 0 59 | 21 12 | 1 44 | 21 5 | 0 9 | 22 33 | 0 32 | 1 21 | 2 14 | 10 24 | 0 46 | 22 3 | 1 15 | 6 15 | 16 35 | 19 34 | 19 15 | 12 34 | 14 32 | 2 28 |
| S 26 | 23 15 | 16 6 | 1 40 | 24 22 | 1 4 | 20 56 | 1 45 | 21 13 | 0 8 | 22 33 | 0 32 | 1 20 | 2 14 | 10 25 | 0 46 | 22 3 | 1 15 | 6 15 | 16 36 | 19 34 | 19 16 | 12 36 | 14 32 | 2 28 |
| S 27 | 23 13 | 12 36 | 2 45 | 24 26 | 1 10 | 20 39 | 1 46 | 21 20 | 0 8 | 22 34 | 0 32 | 1 19 | 2 14 | 10 25 | 0 46 | 22 2 | 1 15 | 6 15 | 16 36 | 19 33 | 19 17 | 12 38 | 14 31 | 2 28 |
| M28 | 23 11 | 8 36 | 3 40 | 24 28 | 1 15 | 20 22 | 1 47 | 21 27 | 0 7 | 22 35 | 0 32 | 1 18 | 2 14 | 10 26 | 0 46 | 22 2 | 1 15 | 6 15 | 16 37 | 19 33 | 19 17 | 12 40 | 14 31 | 2 28 |
| T 29 | 23 8 | 4 22 | 4 24 | 24 29 | 1 21 | 20 3 | 1 48 | 21 34 | 0 6 | 22 36 | 0 32 | 1 17 | 2 13 | 10 26 | 0 46 | 22 2 | 1 15 | 6 15 | 16 37 | 19 33 | 19 18 | 12 42 | 14 30 | 2 28 |
| W30 | 23 5 | 0 2 | 4 54 | 24 29 | 1 26 | 19 45 | 1 48 | 21 41 | 0 6 | 22 37 | 0 32 | 1 15 | 2 13 | 10 26 | 0 46 | 22 2 | 1 15 | 6 15 | 16 38 | 19 33 | 19 19 | 12 44 | 14 30 | 2 28 |
| T 31 | 23s 1 | 4n13 | 5s11 | 24s27 | 1s31 | 19s26 | 1s49 | 21s47 | 0n 5 | 22s37 | 0n32 | 1s14 | 2s13 | 10n27 | 0n47 | 22s 2 | 1n15 | 6n16 | 16n39 | 19n33 | 19n20 | 12n46 | 14n29 | 2s28 |

Julian Day Number = 2805068.5, Delta T = 51m27s
Ecliptic obliquity = 23°18'44, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'21, Lahiri = 37°24'21


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# ASTRODIENST EPHEMERIS for the year 2968
# geocentric

## JANUARY 2968 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 6 42 19 | 9♑57'42 | 5♉16 | 11♑27 | 11♒ 6 | 10♐59 | 23♐38 | 2♈ 5 | 4°R43 | 2♑15 | 23♎58 | 2°R15 | 3♌12 | 19♉39 | 17°R 6 | F 1 |
| S 2 | 6 46 15 | 10°58'42 | 17° 7 | 13° 1 | 12°20 | 11°40 | 23°51 | 2° 7 | 4♍42 | 2°17 | 23°59 | 2♌12 | 3° 8 | 19°46 | 17♉ 5 | S 2 |
| S 3 | 6 50 12 | 11°59'42 | 29° 1 | 14°36 | 13°34 | 12°21 | 24° 4 | 2°10 | 4°40 | 2°19 | 24° 0 | 2° 9 | 3° 5 | 19°53 | 17° 3 | S 3 |
| M 4 | 6 54 8 | 13° 0'42 | 10♊58 | 16°11 | 14°48 | 13° 2 | 24°17 | 2°13 | 4°39 | 2°22 | 24° 1 | 2° 5 | 3° 2 | 19°59 | 17° 2 | M 4 |
| T 5 | 6 58 5 | 14° 1'43 | 23° 4 | 17°47 | 16° 2 | 13°44 | 24°30 | 2°17 | 4°38 | 2°24 | 24° 2 | 2° 2 | 2°59 | 20° 6 | 17° 1 | T 5 |
| W 6 | 7 2 1 | 15° 2'44 | 5♋18 | 19°22 | 17°16 | 14°25 | 24°43 | 2°20 | 4°36 | 2°26 | 24° 2 | 2° 0 | 2°56 | 20°13 | 17° 0 | W 6 |
| T 7 | 7 5 58 | 16° 3'46 | 17°44 | 20°58 | 18°30 | 15° 6 | 24°56 | 2°23 | 4°35 | 2°28 | 24° 3 | 1°58 | 2°52 | 20°20 | 16°58 | T 7 |
| F 8 | 7 9 55 | 17° 4'48 | 0♌21 | 22°34 | 19°44 | 15°47 | 25° 9 | 2°27 | 4°34 | 2°31 | 24° 4 | 1°D58 | 2°49 | 20°26 | 16°57 | F 8 |
| S 9 | 7 13 51 | 18° 5'51 | 13°10 | 24°10 | 20°58 | 16°28 | 25°22 | 2°30 | 4°32 | 2°33 | 24° 4 | 1°58 | 2°46 | 20°33 | 16°56 | S 9 |
| S 10 | 7 17 48 | 19° 6'54 | 26°12 | 25°46 | 22°11 | 17° 9 | 25°35 | 2°34 | 4°30 | 2°35 | 24° 5 | 1°59 | 2°43 | 20°40 | 16°55 | S 10 |
| M11 | 7 21 44 | 20° 7'58 | 9♍27 | 27°22 | 23°25 | 17°51 | 25°47 | 2°37 | 4°29 | 2°37 | 24° 6 | 2° 0 | 2°40 | 20°46 | 16°54 | M11 |
| T 12 | 7 25 41 | 21° 9'03 | 22°55 | 28°59 | 24°39 | 18°32 | 26° 0 | 2°41 | 4°27 | 2°39 | 24° 6 | 2° 1 | 2°37 | 20°53 | 16°53 | T 12 |
| W13 | 7 29 37 | 22°10'08 | 6♎36 | 0♒36 | 25°52 | 19°13 | 26°13 | 2°45 | 4°26 | 2°41 | 24° 7 | 2° 2 | 2°33 | 21° 0 | 16°52 | W13 |
| T 14 | 7 33 34 | 23°11'13 | 20°31 | 2°13 | 27° 6 | 19°55 | 26°26 | 2°49 | 4°24 | 2°44 | 24° 7 | 2°R 2 | 2°30 | 21° 7 | 16°52 | T 14 |
| F 15 | 7 37 31 | 24°12'19 | 4♏39 | 3°50 | 28°20 | 20°36 | 26°38 | 2°53 | 4°22 | 2°46 | 24° 7 | 2° 2 | 2°27 | 21°13 | 16°51 | F 15 |
| S 16 | 7 41 27 | 25°13'26 | 18°57 | 5°27 | 29°33 | 21°17 | 26°51 | 2°57 | 4°20 | 2°48 | 24° 8 | 2° 2 | 2°24 | 21°20 | 16°50 | S 16 |
| S 17 | 7 45 24 | 26°14'33 | 3♐24 | 7° 4 | 0♓47 | 21°59 | 27° 3 | 3° 2 | 4°18 | 2°50 | 24° 8 | 2° 1 | 2°21 | 21°27 | 16°50 | S 17 |
| M18 | 7 49 20 | 27°15'40 | 17°54 | 8°41 | 2° 0 | 22°40 | 27°16 | 3° 6 | 4°16 | 2°52 | 24° 8 | 2° 0 | 2°18 | 21°33 | 16°49 | M18 |
| T 19 | 7 53 17 | 28°16'48 | 2♑24 | 10°19 | 3°14 | 23°22 | 27°28 | 3°10 | 4°14 | 2°54 | 24° 9 | 2° 0 | 2°14 | 21°40 | 16°49 | T 19 |
| W20 | 7 57 13 | 29°17'56 | 16°46 | 11°55 | 4°27 | 24° 3 | 27°41 | 3°15 | 4°12 | 2°56 | 24° 9 | 2° 0 | 2°11 | 21°47 | 16°48 | W20 |
| T 21 | 8 1 10 | 0♒19'04 | 0♒57 | 13°32 | 5°40 | 24°45 | 27°53 | 3°19 | 4°10 | 2°58 | 24° 9 | 2°D 0 | 2° 8 | 21°54 | 16°48 | T 21 |
| F 22 | 8 5 6 | 1°20'12 | 14°51 | 15° 8 | 6°54 | 25°27 | 28° 5 | 3°24 | 4° 8 | 3° 0 | 24° 9 | 2° 0 | 2° 5 | 22° 0 | 16°48 | F 22 |
| S 23 | 8 9 3 | 2°21'20 | 28°25 | 16°44 | 8° 7 | 26° 8 | 28°18 | 3°29 | 4° 6 | 3° 2 | 24°10 | 2°R 0 | 2° 2 | 22° 7 | 16°47 | S 23 |
| S 24 | 8 13 0 | 3°22'28 | 11♓37 | 18°19 | 9°20 | 26°50 | 28°30 | 3°33 | 4° 4 | 3° 4 | 24°10 | 2° 0 | 1°58 | 22°14 | 16°47 | S 24 |
| M25 | 8 16 56 | 4°23'35 | 24°29 | 19°53 | 10°33 | 27°32 | 28°42 | 3°38 | 4° 2 | 3° 6 | 24°10 | 1°59 | 1°55 | 22°21 | 16°47 | M25 |
| T 26 | 8 20 53 | 5°24'42 | 7♈ 0 | 21°25 | 11°46 | 28°13 | 28°54 | 3°43 | 4° 0 | 3° 8 | 24°R10 | 1°59 | 1°52 | 22°27 | 16°47 | T 26 |
| W27 | 8 24 49 | 6°25'48 | 19°16 | 22°57 | 12°59 | 28°55 | 29° 6 | 3°48 | 3°58 | 3°10 | 24°10 | 1°59 | 1°49 | 22°34 | 16°D47 | W27 |
| T 28 | 8 28 46 | 7°26'54 | 1♉19 | 24°26 | 14°12 | 29°37 | 29°18 | 3°53 | 3°55 | 3°12 | 24°10 | 1°58 | 1°46 | 22°41 | 16°47 | T 28 |
| F 29 | 8 32 42 | 8°27'59 | 13°14 | 25°53 | 15°25 | 0♑19 | 29°30 | 3°59 | 3°53 | 3°14 | 24°10 | 1°D58 | 1°43 | 22°47 | 16°47 | F 29 |
| S 30 | 8 36 39 | 9°29'04 | 25° 6 | 27°17 | 16°38 | 1° 1 | 29°42 | 4° 4 | 3°51 | 3°16 | 24° 9 | 1°59 | 1°39 | 22°54 | 16°47 | S 30 |
| S 31 | 8 40 35 | 10♒30'08 | 6♊59 | 28♒38 | 17♓51 | 1♑43 | 29♐53 | 4♈ 9 | 3♍49 | 3♑18 | 24♎ 9 | 1♌59 | 1♌36 | 23♉ 1 | 16♉47 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s56 | 8n16 | 5s14 | 24s24 | 1s35 | 19s 6 | 1s49 | 21s54 | 0n 5 | 22s38 | 0n32 | 1s13 | 2s13 | 10n27 | 0n47 | 22s 2 | 1n15 | 6n16 | 16n39 | 19n33 | 19n20 | 12n48 | 14n29 | 2s28 |
| S 2 | 22 52 | 12 0 | 5 4 | 24 20 | 1 40 | 18 46 | 1 49 | 22 0 | 0 4 | 22 39 | 0 32 | 1 11 | 2 13 | 10 28 | 0 47 | 22 2 | 1 15 | 6 16 | 16 40 | 19 34 | 19 21 | 12 50 | 14 29 | 2 28 |
| S 3 | 22 46 | 15 16 | 4 41 | 24 14 | 1 44 | 18 25 | 1 50 | 22 6 | 0 3 | 22 39 | 0 32 | 1 10 | 2 13 | 10 28 | 0 47 | 22 2 | 1 15 | 6 16 | 16 40 | 19 35 | 19 22 | 12 52 | 14 28 | 2 28 |
| M 4 | 22 41 | 17 55 | 4 5 | 24 7 | 1 48 | 18 4 | 1 50 | 22 12 | 0 3 | 22 40 | 0 32 | 1 9 | 2 12 | 10 29 | 0 47 | 22 2 | 1 15 | 6 17 | 16 41 | 19 35 | 19 23 | 12 54 | 14 28 | 2 28 |
| T 5 | 22 35 | 19 50 | 3 19 | 23 59 | 1 52 | 17 42 | 1 50 | 22 18 | 0 2 | 22 40 | 0 32 | 1 7 | 2 12 | 10 29 | 0 47 | 22 2 | 1 15 | 6 17 | 16 41 | 19 36 | 19 23 | 12 56 | 14 28 | 2 28 |
| W 6 | 22 28 | 20 51 | 2 22 | 23 49 | 1 55 | 17 20 | 1 50 | 22 23 | 0 1 | 22 41 | 0 31 | 1 6 | 2 12 | 10 30 | 0 47 | 22 2 | 1 15 | 6 17 | 16 42 | 19 37 | 19 24 | 12 58 | 14 27 | 2 28 |
| T 7 | 22 21 | 20 51 | 1 18 | 23 38 | 1 58 | 16 57 | 1 50 | 22 28 | 0 1 | 22 42 | 0 31 | 1 4 | 2 12 | 10 30 | 0 47 | 22 2 | 1 15 | 6 17 | 16 42 | 19 37 | 19 25 | 13 0 | 14 27 | 2 28 |
| F 8 | 22 14 | 19 49 | 0 9 | 23 25 | 2 1 | 16 34 | 1 50 | 22 33 | 0 0 | 22 42 | 0 31 | 1 3 | 2 12 | 10 31 | 0 47 | 22 2 | 1 15 | 6 18 | 16 43 | 19 37 | 19 25 | 13 2 | 14 27 | 2 28 |
| S 9 | 22 6 | 17 46 | 1n 2 | 23 11 | 2 3 | 16 10 | 1 50 | 22 38 | 0s 0 | 22 43 | 0 31 | 1 1 | 2 11 | 10 31 | 0 47 | 22 2 | 1 15 | 6 18 | 16 44 | 19 37 | 19 26 | 13 4 | 14 27 | 2 28 |
| S 10 | 21 57 | 14 46 | 2 10 | 22 56 | 2 5 | 15 46 | 1 49 | 22 43 | 0 1 | 22 43 | 0 31 | 1 0 | 2 11 | 10 32 | 0 47 | 22 2 | 1 15 | 6 18 | 16 44 | 19 37 | 19 27 | 13 6 | 14 26 | 2 28 |
| M11 | 21 49 | 10 58 | 3 13 | 22 39 | 2 7 | 15 21 | 1 49 | 22 47 | 0 2 | 22 44 | 0 31 | 0 58 | 2 11 | 10 33 | 0 47 | 22 2 | 1 15 | 6 19 | 16 45 | 19 37 | 19 28 | 13 8 | 14 26 | 2 28 |
| T 12 | 21 40 | 6 34 | 4 6 | 22 21 | 2 9 | 14 57 | 1 49 | 22 52 | 0 2 | 22 44 | 0 31 | 0 56 | 2 11 | 10 33 | 0 47 | 22 2 | 1 15 | 6 19 | 16 45 | 19 36 | 19 28 | 13 10 | 14 26 | 2 27 |
| W13 | 21 30 | 1 47 | 4 46 | 22 2 | 2 10 | 14 31 | 1 48 | 22 56 | 0 3 | 22 44 | 0 31 | 0 55 | 2 11 | 10 34 | 0 47 | 22 2 | 1 15 | 6 19 | 16 46 | 19 36 | 19 29 | 13 12 | 14 26 | 2 27 |
| T 14 | 21 20 | 3s10 | 5 11 | 21 41 | 2 10 | 14 6 | 1 47 | 23 0 | 0 4 | 22 45 | 0 31 | 0 53 | 2 10 | 10 35 | 0 47 | 22 2 | 1 15 | 6 20 | 16 46 | 19 36 | 19 30 | 13 14 | 14 26 | 2 27 |
| F 15 | 21 10 | 8 1 | 5 17 | 21 18 | 2 10 | 13 40 | 1 47 | 23 3 | 0 4 | 22 45 | 0 31 | 0 51 | 2 10 | 10 35 | 0 47 | 22 2 | 1 15 | 6 20 | 16 47 | 19 36 | 19 31 | 13 16 | 14 25 | 2 27 |
| S 16 | 20 59 | 12 30 | 5 3 | 20 55 | 2 10 | 13 13 | 1 46 | 23 7 | 0 5 | 22 45 | 0 31 | 0 49 | 2 10 | 10 36 | 0 47 | 22 2 | 1 15 | 6 21 | 16 48 | 19 36 | 19 31 | 13 18 | 14 25 | 2 27 |
| S 17 | 20 47 | 16 17 | 4 31 | 20 30 | 2 9 | 12 46 | 1 45 | 23 10 | 0 6 | 22 46 | 0 31 | 0 48 | 2 10 | 10 37 | 0 47 | 22 2 | 1 15 | 6 21 | 16 48 | 19 36 | 19 32 | 13 20 | 14 25 | 2 27 |
| M18 | 20 36 | 19 6 | 3 41 | 20 3 | 2 8 | 12 19 | 1 44 | 23 13 | 0 6 | 22 46 | 0 31 | 0 46 | 2 10 | 10 37 | 0 47 | 22 2 | 1 15 | 6 21 | 16 49 | 19 36 | 19 33 | 13 22 | 14 25 | 2 27 |
| T 19 | 20 24 | 20 40 | 2 37 | 19 36 | 2 7 | 11 52 | 1 43 | 23 16 | 0 7 | 22 46 | 0 31 | 0 44 | 2 10 | 10 38 | 0 47 | 22 1 | 1 15 | 6 22 | 16 49 | 19 37 | 19 33 | 13 24 | 14 25 | 2 27 |
| W20 | 20 11 | 20 53 | 1 24 | 19 7 | 2 4 | 11 24 | 1 42 | 23 18 | 0 8 | 22 47 | 0 31 | 0 42 | 2 9 | 10 39 | 0 47 | 22 1 | 1 15 | 6 22 | 16 50 | 19 37 | 19 34 | 13 26 | 14 25 | 2 27 |
| T 21 | 19 59 | 19 45 | 0 6 | 18 37 | 2 1 | 10 56 | 1 40 | 23 21 | 0 8 | 22 47 | 0 31 | 0 40 | 2 9 | 10 40 | 0 47 | 22 1 | 1 15 | 6 23 | 16 51 | 19 37 | 19 35 | 13 28 | 14 25 | 2 27 |
| F 22 | 19 45 | 17 25 | 1s11 | 18 5 | 1 58 | 10 28 | 1 39 | 23 23 | 0 9 | 22 47 | 0 31 | 0 38 | 2 9 | 10 40 | 0 47 | 22 1 | 1 15 | 6 23 | 16 51 | 19 37 | 19 36 | 13 29 | 14 25 | 2 27 |
| S 23 | 19 32 | 14 11 | 2 21 | 17 33 | 1 54 | 10 0 | 1 38 | 23 25 | 0 10 | 22 47 | 0 31 | 0 36 | 2 9 | 10 41 | 0 47 | 22 1 | 1 15 | 6 24 | 16 52 | 19 37 | 19 36 | 13 31 | 14 25 | 2 27 |
| S 24 | 19 18 | 10 18 | 3 23 | 17 0 | 1 49 | 9 31 | 1 36 | 23 27 | 0 10 | 22 48 | 0 31 | 0 34 | 2 9 | 10 42 | 0 47 | 22 1 | 1 15 | 6 24 | 16 52 | 19 37 | 19 37 | 13 33 | 14 25 | 2 27 |
| M25 | 19 4 | 6 2 | 4 12 | 16 25 | 1 44 | 9 2 | 1 35 | 23 28 | 0 11 | 22 48 | 0 31 | 0 32 | 2 9 | 10 43 | 0 47 | 22 1 | 1 15 | 6 25 | 16 53 | 19 37 | 19 38 | 13 35 | 14 25 | 2 27 |
| T 26 | 18 49 | 1 38 | 4 48 | 15 50 | 1 38 | 8 33 | 1 33 | 23 30 | 0 12 | 22 48 | 0 31 | 0 30 | 2 9 | 10 44 | 0 47 | 22 1 | 1 15 | 6 25 | 16 53 | 19 37 | 19 38 | 13 37 | 14 25 | 2 27 |
| W27 | 18 34 | 2n43 | 5 9 | 15 14 | 1 31 | 8 3 | 1 31 | 23 31 | 0 12 | 22 48 | 0 31 | 0 28 | 2 8 | 10 44 | 0 47 | 22 1 | 1 15 | 6 26 | 16 54 | 19 37 | 19 39 | 13 39 | 14 25 | 2 27 |
| T 28 | 18 19 | 6 54 | 5 17 | 14 37 | 1 23 | 7 33 | 1 29 | 23 32 | 0 13 | 22 48 | 0 31 | 0 26 | 2 8 | 10 45 | 0 47 | 22 1 | 1 16 | 6 26 | 16 55 | 19 37 | 19 40 | 13 41 | 14 25 | 2 27 |
| F 29 | 18 3 | 10 47 | 5 11 | 14 0 | 1 14 | 7 4 | 1 27 | 23 33 | 0 14 | 22 48 | 0 31 | 0 23 | 2 8 | 10 46 | 0 47 | 22 1 | 1 16 | 6 27 | 16 55 | 19 37 | 19 40 | 13 43 | 14 25 | 2 26 |
| S 30 | 17 47 | 14 13 | 4 52 | 13 22 | 1 5 | 6 33 | 1 25 | 23 33 | 0 15 | 22 48 | 0 31 | 0 21 | 2 8 | 10 47 | 0 47 | 22 1 | 1 16 | 6 28 | 16 56 | 19 37 | 19 41 | 13 45 | 14 25 | 2 26 |
| S 31 | 17s31 | 17n 5 | 4s20 | 12s44 | 0s55 | 6s 3 | 1s23 | 23s33 | 0s15 | 22s48 | 0n31 | 0s19 | 2s 8 | 10n48 | 0n48 | 22s 1 | 1n16 | 6n28 | 16n56 | 19n37 | 19n42 | 13n47 | 14n25 | 2s26 |

Julian Day Number = 2805099.5, Delta T = 51m27s
Ecliptic obliquity = 23°18'44, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'25, Lahiri = 37°24'26


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# ASTRODIENST EPHEMERIS for the year 2968
# geocentric

## FEBRUARY 2968 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 8 44 32 | 11♒31'11 | 18♊58 | 29♒55 | 19♓ 4 | 2♑24 | 0♑ 5 | 4♈14 | 3°R46 | 3♑20 | 24°R 9 | 2♌ 0 | 1♌33 | 23♉ 7 | 16♉48 | M 1 |
| T 2 | 8 48 29 | 12°32'14 | 1♋ 8 | 1♓ 8 | 20°16 | 3° 6 | 0°17 | 4°20 | 3♍44 | 3°22 | 24♎ 9 | 2° 1 | 1°30 | 23°14 | 16°48 | T 2 |
| W 3 | 8 52 25 | 13°33'17 | 13°30 | 2°15 | 21°29 | 3°48 | 0°28 | 4°25 | 3°41 | 3°24 | 24° 9 | 2° 2 | 1°27 | 23°21 | 16°48 | W 3 |
| T 4 | 8 56 22 | 14°34'18 | 26° 8 | 3°17 | 22°41 | 4°30 | 0°39 | 4°31 | 3°39 | 3°26 | 24° 8 | 2°R 3 | 1°24 | 23°28 | 16°49 | T 4 |
| F 5 | 9 0 18 | 15°35'19 | 9♌ 3 | 4°11 | 23°54 | 5°12 | 0°51 | 4°37 | 3°37 | 3°27 | 24° 8 | 2° 3 | 1°20 | 23°34 | 16°49 | F 5 |
| S 6 | 9 4 15 | 16°36'20 | 22°15 | 4°58 | 25° 6 | 5°54 | 1° 2 | 4°42 | 3°34 | 3°29 | 24° 8 | 2° 2 | 1°17 | 23°41 | 16°50 | S 6 |
| S 7 | 9 8 11 | 17°37'19 | 5♍43 | 5°36 | 26°18 | 6°37 | 1°13 | 4°48 | 3°32 | 3°31 | 24° 7 | 2° 0 | 1°14 | 23°48 | 16°51 | S 7 |
| M 8 | 9 12 8 | 18°38'18 | 19°25 | 6° 5 | 27°30 | 7°19 | 1°24 | 4°54 | 3°29 | 3°33 | 24° 7 | 1°58 | 1°11 | 23°54 | 16°51 | M 8 |
| T 9 | 9 16 4 | 19°39'17 | 3♎19 | 6°23 | 28°42 | 8° 1 | 1°35 | 5° 0 | 3°27 | 3°34 | 24° 6 | 1°56 | 1° 8 | 24° 1 | 16°52 | T 9 |
| W10 | 9 20 1 | 20°40'15 | 17°21 | 6°R31 | 29°54 | 8°43 | 1°46 | 5° 6 | 3°24 | 3°36 | 24° 6 | 1°53 | 1° 4 | 24° 8 | 16°53 | W10 |
| T 11 | 9 23 58 | 21°41'12 | 1♏28 | 6°28 | 1♈ 6 | 9°25 | 1°57 | 5°12 | 3°21 | 3°38 | 24° 5 | 1°52 | 1° 1 | 24°15 | 16°54 | T 11 |
| F 12 | 9 27 54 | 22°42'10 | 15°39 | 6°13 | 2°18 | 10° 8 | 2° 8 | 5°18 | 3°19 | 3°39 | 24° 5 | 1°50 | 0°58 | 24°21 | 16°55 | F 12 |
| S 13 | 9 31 51 | 23°43'06 | 29°49 | 5°47 | 3°30 | 10°50 | 2°19 | 5°24 | 3°16 | 3°41 | 24° 4 | 1°D50 | 0°55 | 24°28 | 16°56 | S 13 |
| S 14 | 9 35 47 | 24°44'02 | 13♐58 | 5°10 | 4°41 | 11°32 | 2°29 | 5°30 | 3°14 | 3°43 | 24° 4 | 1°51 | 0°52 | 24°35 | 16°57 | S 14 |
| M15 | 9 39 44 | 25°44'58 | 28° 4 | 4°22 | 5°53 | 12°15 | 2°40 | 5°36 | 3°11 | 3°44 | 24° 3 | 1°53 | 0°49 | 24°41 | 16°58 | M15 |
| T 16 | 9 43 40 | 26°45'53 | 12♑ 4 | 3°26 | 7° 4 | 12°57 | 2°50 | 5°43 | 3° 9 | 3°46 | 24° 2 | 1°54 | 0°45 | 24°48 | 16°59 | T 16 |
| W17 | 9 47 37 | 27°46'47 | 25°57 | 2°23 | 8°15 | 13°39 | 3° 1 | 5°49 | 3° 6 | 3°47 | 24° 2 | 1°R55 | 0°42 | 24°55 | 17° 0 | W17 |
| T 18 | 9 51 33 | 28°47'41 | 9♒40 | 1°15 | 9°27 | 14°22 | 3°11 | 5°55 | 3° 3 | 3°49 | 24° 1 | 1°55 | 0°39 | 25° 2 | 17° 2 | T 18 |
| F 19 | 9 55 30 | 29°48'33 | 23°12 | 0° 2 | 10°38 | 15° 4 | 3°21 | 6° 2 | 3° 1 | 3°50 | 24° 0 | 1°54 | 0°36 | 25° 8 | 17° 3 | F 19 |
| S 20 | 9 59 27 | 0♓49'24 | 6♓29 | 28♒49 | 11°49 | 15°47 | 3°31 | 6° 8 | 2°58 | 3°52 | 23°59 | 1°50 | 0°33 | 25°15 | 17° 4 | S 20 |
| S 21 | 10 3 23 | 1°50'15 | 19°31 | 27°37 | 13° 0 | 16°29 | 3°41 | 6°15 | 2°55 | 3°53 | 23°59 | 1°46 | 0°30 | 25°22 | 17° 6 | S 21 |
| M22 | 10 7 20 | 2°51'04 | 2♈17 | 26°27 | 14°10 | 17°12 | 3°51 | 6°21 | 2°53 | 3°54 | 23°58 | 1°41 | 0°26 | 25°28 | 17° 7 | M22 |
| T 23 | 10 11 16 | 3°51'51 | 14°47 | 25°21 | 15°21 | 17°54 | 4° 0 | 6°28 | 2°50 | 3°56 | 23°57 | 1°35 | 0°23 | 25°35 | 17° 9 | T 23 |
| W24 | 10 15 13 | 4°52'38 | 27° 2 | 24°21 | 16°31 | 18°37 | 4°10 | 6°35 | 2°48 | 3°57 | 23°56 | 1°29 | 0°20 | 25°42 | 17°10 | W24 |
| T 25 | 10 19 9 | 5°53'23 | 9♉ 6 | 23°28 | 17°42 | 19°20 | 4°19 | 6°41 | 2°45 | 3°58 | 23°55 | 1°25 | 0°17 | 25°49 | 17°12 | T 25 |
| F 26 | 10 23 6 | 6°54'06 | 21° 1 | 22°43 | 18°52 | 20° 2 | 4°29 | 6°48 | 2°42 | 4° 0 | 23°54 | 1°22 | 0°14 | 25°55 | 17°14 | F 26 |
| S 27 | 10 27 2 | 7°54'48 | 2♊53 | 22° 5 | 20° 2 | 20°45 | 4°38 | 6°55 | 2°40 | 4° 1 | 23°53 | 1°D20 | 0°10 | 26° 2 | 17°16 | S 27 |
| S 28 | 10 30 59 | 8°55'29 | 14°45 | 21°35 | 21°12 | 21°28 | 4°47 | 7° 2 | 2°37 | 4° 2 | 23°52 | 1°20 | 0° 7 | 26° 9 | 17°17 | S 28 |
| M29 | 10 34 55 | 9♓56'08 | 26♊43 | 21♒13 | 22♈22 | 22♑11 | 4♑56 | 7♈ 9 | 2♍34 | 4♑ 3 | 23♎51 | 1♌22 | 0♌ 4 | 26♉15 | 17♉19 | M29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17s14 | 19n15 | 3s37 | 12s 7 | 0s43 | 5s33 | 1s21 | 23s33 | 0s16 | 22s48 | 0n30 | 0s17 | 2s 8 | 10n49 | 0n48 | 22s 1 | 1n16 | 6n29 | 16n57 | 19n37 | 19n43 | 13n49 | 14n26 | 2s26 |
| T 2 | 16 57 | 20 35 | 2 43 | 11 30 | 0 31 | 5 2 | 1 19 | 23 33 | 0 17 | 22 48 | 0 30 | 0 14 | 2 8 | 10 50 | 0 48 | 22 1 | 1 16 | 6 29 | 16 58 | 19 36 | 19 43 | 13 51 | 14 26 | 2 26 |
| W 3 | 16 40 | 20 57 | 1 41 | 10 54 | 0 18 | 4 32 | 1 16 | 23 33 | 0 17 | 22 48 | 0 30 | 0 12 | 2 7 | 10 51 | 0 48 | 22 1 | 1 16 | 6 30 | 16 58 | 19 36 | 19 44 | 13 53 | 14 26 | 2 26 |
| T 4 | 16 22 | 20 17 | 0 33 | 10 19 | 0 4 | 4 1 | 1 14 | 23 32 | 0 18 | 22 48 | 0 30 | 0 10 | 2 7 | 10 51 | 0 48 | 22 0 | 1 16 | 6 31 | 16 59 | 19 36 | 19 45 | 13 55 | 14 26 | 2 26 |
| F 5 | 16 5 | 18 31 | 0n39 | 9 46 | 0n11 | 3 30 | 1 11 | 23 31 | 0 19 | 22 48 | 0 30 | 0 7 | 2 7 | 10 52 | 0 48 | 22 0 | 1 16 | 6 31 | 16 59 | 19 36 | 19 45 | 13 57 | 14 26 | 2 26 |
| S 6 | 15 47 | 15 45 | 1 49 | 9 14 | 0 26 | 2 59 | 1 9 | 23 30 | 0 20 | 22 48 | 0 30 | 0 5 | 2 7 | 10 53 | 0 48 | 22 0 | 1 16 | 6 32 | 17 0 | 19 36 | 19 46 | 13 59 | 14 27 | 2 26 |
| S 7 | 15 28 | 12 5 | 2 55 | 8 45 | 0 42 | 2 28 | 1 6 | 23 29 | 0 20 | 22 48 | 0 30 | 0 3 | 2 7 | 10 54 | 0 48 | 22 0 | 1 16 | 6 32 | 17 0 | 19 36 | 19 47 | 14 1 | 14 27 | 2 26 |
| M 8 | 15 10 | 7 44 | 3 53 | 8 19 | 0 59 | 1 57 | 1 3 | 23 28 | 0 21 | 22 48 | 0 30 | 0 0 | 2 7 | 10 55 | 0 48 | 22 0 | 1 16 | 6 33 | 17 1 | 19 37 | 19 47 | 14 3 | 14 27 | 2 26 |
| T 9 | 14 51 | 2 56 | 4 37 | 7 56 | 1 17 | 1 26 | 1 0 | 23 26 | 0 22 | 22 48 | 0 30 | 0n 2 | 2 7 | 10 56 | 0 48 | 22 0 | 1 16 | 6 34 | 17 1 | 19 38 | 19 48 | 14 5 | 14 27 | 2 26 |
| W10 | 14 32 | 2s 4 | 5 5 | 7 37 | 1 34 | 0 55 | 0 57 | 23 24 | 0 23 | 22 48 | 0 30 | 0 5 | 2 6 | 10 57 | 0 48 | 22 0 | 1 16 | 6 34 | 17 2 | 19 38 | 19 49 | 14 7 | 14 28 | 2 26 |
| T 11 | 14 12 | 6 59 | 5 15 | 7 22 | 1 52 | 0 24 | 0 54 | 23 22 | 0 23 | 22 48 | 0 30 | 0 7 | 2 6 | 10 58 | 0 48 | 22 0 | 1 16 | 6 35 | 17 2 | 19 38 | 19 49 | 14 9 | 14 28 | 2 26 |
| F 12 | 13 52 | 11 33 | 5 6 | 7 11 | 2 9 | 0n 7 | 0 51 | 23 20 | 0 24 | 22 47 | 0 30 | 0 10 | 2 6 | 10 59 | 0 48 | 22 0 | 1 16 | 6 36 | 17 3 | 19 39 | 19 50 | 14 10 | 14 28 | 2 26 |
| S 13 | 13 33 | 15 28 | 4 38 | 7 5 | 2 25 | 0 39 | 0 48 | 23 17 | 0 25 | 22 47 | 0 30 | 0 12 | 2 6 | 11 0 | 0 48 | 22 0 | 1 16 | 6 37 | 17 4 | 19 39 | 19 51 | 14 12 | 14 29 | 2 25 |
| S 14 | 13 12 | 18 29 | 3 54 | 7 4 | 2 41 | 1 10 | 0 45 | 23 14 | 0 26 | 22 47 | 0 30 | 0 15 | 2 6 | 11 1 | 0 48 | 22 0 | 1 16 | 6 37 | 17 4 | 19 39 | 19 52 | 14 14 | 14 29 | 2 25 |
| M15 | 12 52 | 20 22 | 2 56 | 7 8 | 2 55 | 1 41 | 0 42 | 23 11 | 0 26 | 22 47 | 0 30 | 0 17 | 2 6 | 11 2 | 0 48 | 22 0 | 1 16 | 6 38 | 17 5 | 19 38 | 19 52 | 14 16 | 14 29 | 2 25 |
| T 16 | 12 32 | 20 59 | 1 47 | 7 16 | 3 8 | 2 12 | 0 38 | 23 8 | 0 27 | 22 47 | 0 30 | 0 20 | 2 6 | 11 3 | 0 48 | 22 0 | 1 16 | 6 39 | 17 5 | 19 38 | 19 53 | 14 18 | 14 30 | 2 25 |
| W17 | 12 11 | 20 18 | 0 33 | 7 28 | 3 19 | 2 44 | 0 35 | 23 5 | 0 28 | 22 47 | 0 30 | 0 22 | 2 6 | 11 3 | 0 48 | 22 0 | 1 16 | 6 39 | 17 6 | 19 38 | 19 54 | 14 20 | 14 30 | 2 25 |
| T 18 | 11 50 | 18 25 | 0s42 | 7 45 | 3 27 | 3 15 | 0 31 | 23 1 | 0 29 | 22 46 | 0 30 | 0 25 | 2 6 | 11 4 | 0 48 | 22 0 | 1 16 | 6 40 | 17 6 | 19 38 | 19 54 | 14 22 | 14 31 | 2 25 |
| F 19 | 11 29 | 15 31 | 1 54 | 8 4 | 3 33 | 3 46 | 0 28 | 22 57 | 0 29 | 22 46 | 0 30 | 0 28 | 2 6 | 11 5 | 0 48 | 21 59 | 1 16 | 6 41 | 17 7 | 19 38 | 19 55 | 14 24 | 14 31 | 2 25 |
| S 20 | 11 7 | 11 51 | 2 58 | 8 26 | 3 37 | 4 17 | 0 24 | 22 53 | 0 30 | 22 46 | 0 30 | 0 30 | 2 5 | 11 6 | 0 48 | 21 59 | 1 16 | 6 42 | 17 7 | 19 39 | 19 56 | 14 26 | 14 31 | 2 25 |
| S 21 | 10 46 | 7 41 | 3 51 | 8 49 | 3 38 | 4 48 | 0 20 | 22 49 | 0 31 | 22 46 | 0 30 | 0 33 | 2 5 | 11 7 | 0 48 | 21 59 | 1 16 | 6 42 | 17 8 | 19 40 | 19 56 | 14 28 | 14 32 | 2 25 |
| M22 | 10 24 | 3 16 | 4 32 | 9 14 | 3 37 | 5 18 | 0 17 | 22 44 | 0 32 | 22 45 | 0 30 | 0 36 | 2 5 | 11 8 | 0 48 | 21 59 | 1 16 | 6 43 | 17 8 | 19 41 | 19 57 | 14 30 | 14 32 | 2 25 |
| T 23 | 10 2 | 1n12 | 4 58 | 9 39 | 3 34 | 5 49 | 0 13 | 22 39 | 0 32 | 22 45 | 0 30 | 0 38 | 2 5 | 11 9 | 0 48 | 21 59 | 1 16 | 6 44 | 17 9 | 19 42 | 19 58 | 14 32 | 14 33 | 2 25 |
| W24 | 9 40 | 5 32 | 5 11 | 10 3 | 3 28 | 6 20 | 0 9 | 22 35 | 0 33 | 22 45 | 0 30 | 0 41 | 2 5 | 11 10 | 0 48 | 21 59 | 1 16 | 6 45 | 17 9 | 19 43 | 19 58 | 14 33 | 14 33 | 2 25 |
| T 25 | 9 18 | 9 34 | 5 9 | 10 28 | 3 21 | 6 50 | 0 5 | 22 29 | 0 34 | 22 45 | 0 30 | 0 44 | 2 5 | 11 11 | 0 48 | 21 59 | 1 16 | 6 45 | 17 9 | 19 44 | 19 59 | 14 35 | 14 34 | 2 25 |
| F 26 | 8 56 | 13 11 | 4 54 | 10 51 | 3 12 | 7 20 | 0 1 | 22 24 | 0 35 | 22 44 | 0 30 | 0 46 | 2 5 | 11 12 | 0 48 | 21 59 | 1 16 | 6 46 | 17 10 | 19 45 | 20 0 | 14 37 | 14 34 | 2 25 |
| S 27 | 8 33 | 16 16 | 4 26 | 11 12 | 3 2 | 7 51 | 0n 3 | 22 18 | 0 36 | 22 44 | 0 30 | 0 49 | 2 5 | 11 13 | 0 48 | 21 59 | 1 16 | 6 47 | 17 10 | 19 45 | 20 0 | 14 39 | 14 35 | 2 25 |
| S 28 | 8 11 | 18 41 | 3 47 | 11 32 | 2 51 | 8 21 | 0 7 | 22 13 | 0 36 | 22 44 | 0 30 | 0 52 | 2 5 | 11 14 | 0 48 | 21 59 | 1 16 | 6 48 | 17 11 | 19 45 | 20 1 | 14 41 | 14 35 | 2 25 |
| M29 | 7s48 | 20n19 | 2s57 | 11s50 | 2n39 | 8n50 | 0n12 | 22s 7 | 0s37 | 22s43 | 0n30 | 0n55 | 2s 5 | 11n15 | 0n48 | 21s59 | 1n16 | 6n48 | 17n11 | 19n45 | 20n 2 | 14n43 | 14n36 | 2s25 |

Julian Day Number = 2805130.5, Delta T = 51m28s
Ecliptic obliquity = 23°18'45, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'29, Lahiri = 37°24'30


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# ASTRODIENST EPHEMERIS for the year 2968
# geocentric

## MARCH 2968 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 38 52 | 10♓56'45 | 8♋52 | 21°R 0 | 23♈32 | 22♑53 | 5♑ 5 | 7♈15 | 2°R32 | 4♑ 5 | 23°R50 | 1♌23 | 0♌ 1 | 26♉22 | 17♉21 | T 1 |
| W 2 | 10 42 49 | 11°57'21 | 21°16 | 20°D53 | 24°41 | 23°36 | 5°14 | 7°22 | 2♍29 | 4° 6 | 23♎49 | 1°25 | 29♋58 | 26°29 | 17°23 | W 2 |
| T 3 | 10 46 45 | 12°57'55 | 4♌ 1 | 20♒54 | 25°51 | 24°19 | 5°22 | 7°29 | 2°27 | 4° 7 | 23°47 | 1°R25 | 29°55 | 26°36 | 17°25 | T 3 |
| F 4 | 10 50 42 | 13°58'27 | 17° 7 | 21° 2 | 27° 0 | 25° 2 | 5°31 | 7°36 | 2°24 | 4° 8 | 23°46 | 1°24 | 29°51 | 26°42 | 17°27 | F 4 |
| S 5 | 10 54 38 | 14°58'58 | 0♍36 | 21°16 | 28° 9 | 25°45 | 5°39 | 7°43 | 2°22 | 4° 9 | 23°45 | 1°21 | 29°48 | 26°49 | 17°29 | S 5 |
| S 6 | 10 58 35 | 15°59'28 | 14°28 | 21°36 | 29°18 | 26°28 | 5°48 | 7°50 | 2°19 | 4°10 | 23°44 | 1°15 | 29°45 | 26°56 | 17°32 | S 6 |
| M 7 | 11 2 31 | 16°59'55 | 28°38 | 22° 2 | 0♉26 | 27°11 | 5°56 | 7°57 | 2°16 | 4°11 | 23°43 | 1° 8 | 29°42 | 27° 2 | 17°34 | M 7 |
| T 8 | 11 6 28 | 18° 0'22 | 13♎ 1 | 22°32 | 1°35 | 27°54 | 6° 4 | 8° 5 | 2°14 | 4°12 | 23°41 | 1° 1 | 29°39 | 27° 9 | 17°36 | T 8 |
| W 9 | 11 10 24 | 19° 0'47 | 27°32 | 23° 8 | 2°43 | 28°37 | 6°12 | 8°12 | 2°11 | 4°13 | 23°40 | 0°53 | 29°35 | 27°16 | 17°38 | W 9 |
| T 10 | 11 14 21 | 20° 1'10 | 12♏ 4 | 23°48 | 3°51 | 29°20 | 6°19 | 8°19 | 2° 9 | 4°14 | 23°39 | 0°47 | 29°32 | 27°22 | 17°41 | T 10 |
| F 11 | 11 18 18 | 21° 1'32 | 26°31 | 24°31 | 4°59 | 0♒ 3 | 6°27 | 8°26 | 2° 7 | 4°14 | 23°38 | 0°42 | 29°29 | 27°29 | 17°43 | F 11 |
| S 12 | 11 22 14 | 22° 1'53 | 10♐49 | 25°19 | 6° 7 | 0°46 | 6°34 | 8°33 | 2° 4 | 4°15 | 23°36 | 0°39 | 29°26 | 27°36 | 17°46 | S 12 |
| S 13 | 11 26 11 | 23° 2'13 | 24°55 | 26°10 | 7°15 | 1°29 | 6°42 | 8°40 | 2° 2 | 4°16 | 23°35 | 0°D39 | 29°23 | 27°43 | 17°48 | S 13 |
| M14 | 11 30 7 | 24° 2'32 | 8♑49 | 27° 4 | 8°22 | 2°12 | 6°49 | 8°48 | 1°59 | 4°17 | 23°33 | 0°40 | 29°20 | 27°49 | 17°51 | M14 |
| T 15 | 11 34 4 | 25° 2'49 | 22°29 | 28° 2 | 9°29 | 2°55 | 6°56 | 8°55 | 1°57 | 4°17 | 23°32 | 0°41 | 29°16 | 27°56 | 17°53 | T 15 |
| W16 | 11 38 0 | 26° 3'04 | 5♒58 | 29° 2 | 10°36 | 3°38 | 7° 3 | 9° 2 | 1°55 | 4°18 | 23°31 | 0°R41 | 29°13 | 28° 3 | 17°56 | W16 |
| T 17 | 11 41 57 | 27° 3'18 | 19°16 | 0♓ 4 | 11°43 | 4°22 | 7°10 | 9°10 | 1°52 | 4°19 | 23°29 | 0°39 | 29°10 | 28° 9 | 17°58 | T 17 |
| F 18 | 11 45 53 | 28° 3'31 | 2♓23 | 1° 9 | 12°50 | 5° 5 | 7°16 | 9°17 | 1°50 | 4°19 | 23°28 | 0°35 | 29° 7 | 28°16 | 18° 1 | F 18 |
| S 19 | 11 49 50 | 29° 3'42 | 15°18 | 2°17 | 13°56 | 5°48 | 7°23 | 9°24 | 1°48 | 4°20 | 23°26 | 0°28 | 29° 4 | 28°23 | 18° 4 | S 19 |
| S 20 | 11 53 47 | 0♈ 3'51 | 28° 2 | 3°26 | 15° 2 | 6°32 | 7°29 | 9°32 | 1°45 | 4°21 | 23°25 | 0°18 | 29° 1 | 28°30 | 18° 7 | S 20 |
| M21 | 11 57 43 | 1° 3'58 | 10♈35 | 4°38 | 16° 8 | 7°15 | 7°35 | 9°39 | 1°43 | 4°21 | 23°23 | 0° 7 | 28°57 | 28°36 | 18°10 | M21 |
| T 22 | 12 1 40 | 2° 4'04 | 22°56 | 5°51 | 17°13 | 7°58 | 7°41 | 9°46 | 1°41 | 4°22 | 23°22 | 29♋55 | 28°54 | 28°43 | 18°12 | T 22 |
| W23 | 12 5 36 | 3° 4'07 | 5♉ 6 | 7° 6 | 18°19 | 8°42 | 7°47 | 9°54 | 1°39 | 4°22 | 23°20 | 29°44 | 28°51 | 28°50 | 18°15 | W23 |
| T 24 | 12 9 33 | 4° 4'09 | 17° 7 | 8°23 | 19°24 | 9°25 | 7°53 | 10° 1 | 1°37 | 4°22 | 23°19 | 29°33 | 28°48 | 28°56 | 18°18 | T 24 |
| F 25 | 12 13 29 | 5° 4'09 | 29° 0 | 9°42 | 20°29 | 10° 8 | 7°58 | 10° 8 | 1°35 | 4°23 | 23°17 | 29°25 | 28°45 | 29° 3 | 18°21 | F 25 |
| S 26 | 12 17 26 | 6° 4'06 | 10♊50 | 11° 2 | 21°33 | 10°52 | 8° 4 | 10°16 | 1°33 | 4°23 | 23°16 | 29°19 | 28°41 | 29°10 | 18°24 | S 26 |
| S 27 | 12 21 22 | 7° 4'02 | 22°40 | 12°24 | 22°37 | 11°35 | 8° 9 | 10°23 | 1°31 | 4°23 | 23°14 | 29°16 | 28°38 | 29°16 | 18°27 | S 27 |
| M28 | 12 25 19 | 8° 3'55 | 4♋36 | 13°47 | 23°41 | 12°19 | 8°14 | 10°31 | 1°29 | 4°24 | 23°12 | 29°D15 | 28°35 | 29°23 | 18°30 | M28 |
| T 29 | 12 29 15 | 9° 3'47 | 16°42 | 15°11 | 24°45 | 13° 2 | 8°19 | 10°38 | 1°27 | 4°24 | 23°11 | 29°15 | 28°32 | 29°30 | 18°33 | T 29 |
| W30 | 12 33 12 | 10° 3'36 | 29° 4 | 16°37 | 25°48 | 13°46 | 8°24 | 10°46 | 1°25 | 4°24 | 23° 9 | 29°R15 | 28°29 | 29°37 | 18°37 | W30 |
| T 31 | 12 37 9 | 11♈ 3'23 | 11♌47 | 18♓ 5 | 26♉51 | 14♒29 | 8♑28 | 10♈53 | 1♍23 | 4♑24 | 23♎ 8 | 29♋15 | 28♋26 | 29♉43 | 18♉40 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7s25 | 21n 2 | 2s 0 | 12s 6 | 2n27 | 9n20 | 0n16 | 22s 0 | 0s38 | 22s43 | 0n30 | 0n57 | 2s 5 | 11n16 | 0n48 | 21s59 | 1n16 | 6n49 | 17n12 | 19n45 | 20n 2 | 14n45 | 14n37 | 2s24 |
| W 2 | 7 2 | 20 44 | 0 55 | 12 20 | 2 15 | 9 49 | 0 20 | 21 54 | 0 39 | 22 43 | 0 30 | 1 0 | 2 5 | 11 17 | 0 48 | 21 59 | 1 16 | 6 50 | 17 12 | 19 44 | 20 3 | 14 47 | 14 37 | 2 24 |
| T 3 | 6 39 | 19 23 | 0n14 | 12 32 | 2 2 | 10 19 | 0 24 | 21 47 | 0 40 | 22 42 | 0 30 | 1 3 | 2 5 | 11 18 | 0 48 | 21 59 | 1 16 | 6 51 | 17 13 | 19 44 | 20 4 | 14 49 | 14 38 | 2 24 |
| F 4 | 6 16 | 16 58 | 1 24 | 12 42 | 1 49 | 10 48 | 0 29 | 21 41 | 0 40 | 22 42 | 0 30 | 1 6 | 2 5 | 11 18 | 0 48 | 21 58 | 1 16 | 6 52 | 17 13 | 19 45 | 20 4 | 14 51 | 14 38 | 2 24 |
| S 5 | 5 53 | 13 34 | 2 31 | 12 49 | 1 36 | 11 17 | 0 33 | 21 34 | 0 41 | 22 42 | 0 30 | 1 8 | 2 4 | 11 19 | 0 48 | 21 58 | 1 16 | 6 52 | 17 13 | 19 45 | 20 5 | 14 52 | 14 39 | 2 24 |
| S 6 | 5 30 | 9 20 | 3 31 | 12 55 | 1 23 | 11 45 | 0 38 | 21 26 | 0 42 | 22 41 | 0 30 | 1 11 | 2 4 | 11 20 | 0 48 | 21 58 | 1 17 | 6 53 | 17 14 | 19 46 | 20 6 | 14 54 | 14 40 | 2 24 |
| M 7 | 5 6 | 4 31 | 4 20 | 12 59 | 1 10 | 12 13 | 0 42 | 21 19 | 0 43 | 22 41 | 0 30 | 1 14 | 2 4 | 11 21 | 0 48 | 21 58 | 1 17 | 6 54 | 17 14 | 19 48 | 20 6 | 14 56 | 14 40 | 2 24 |
| T 8 | 4 43 | 0s37 | 4 52 | 13 1 | 0 58 | 12 41 | 0 47 | 21 11 | 0 44 | 22 41 | 0 30 | 1 17 | 2 4 | 11 22 | 0 48 | 21 58 | 1 17 | 6 55 | 17 14 | 19 50 | 20 7 | 14 58 | 14 41 | 2 24 |
| W 9 | 4 20 | 5 46 | 5 7 | 13 1 | 0 45 | 13 9 | 0 51 | 21 3 | 0 45 | 22 40 | 0 30 | 1 20 | 2 4 | 11 23 | 0 48 | 21 58 | 1 17 | 6 55 | 17 15 | 19 51 | 20 8 | 15 0 | 14 42 | 2 24 |
| T 10 | 3 56 | 10 35 | 5 1 | 13 0 | 0 33 | 13 37 | 0 56 | 20 55 | 0 45 | 22 40 | 0 30 | 1 23 | 2 4 | 11 24 | 0 48 | 21 58 | 1 17 | 6 56 | 17 15 | 19 53 | 20 8 | 15 2 | 14 42 | 2 24 |
| F 11 | 3 32 | 14 47 | 4 37 | 12 56 | 0 22 | 14 4 | 1 0 | 20 47 | 0 46 | 22 40 | 0 30 | 1 25 | 2 4 | 11 25 | 0 48 | 21 58 | 1 17 | 6 57 | 17 16 | 19 54 | 20 9 | 15 4 | 14 43 | 2 24 |
| S 12 | 3 9 | 18 4 | 3 55 | 12 51 | 0 11 | 14 31 | 1 5 | 20 39 | 0 47 | 22 39 | 0 30 | 1 28 | 2 4 | 11 26 | 0 48 | 21 58 | 1 17 | 6 58 | 17 16 | 19 54 | 20 10 | 15 6 | 14 44 | 2 24 |
| S 13 | 2 45 | 20 13 | 3 0 | 12 44 | 0s 0 | 14 57 | 1 9 | 20 30 | 0 48 | 22 39 | 0 30 | 1 31 | 2 4 | 11 26 | 0 48 | 21 58 | 1 17 | 6 59 | 17 16 | 19 54 | 20 10 | 15 8 | 14 45 | 2 24 |
| M14 | 2 21 | 21 7 | 1 55 | 12 36 | 0 11 | 15 23 | 1 14 | 20 21 | 0 49 | 22 38 | 0 30 | 1 34 | 2 4 | 11 27 | 0 48 | 21 58 | 1 17 | 6 59 | 17 17 | 19 54 | 20 11 | 15 9 | 14 45 | 2 24 |
| T 15 | 1 57 | 20 44 | 0 44 | 12 26 | 0 21 | 15 49 | 1 19 | 20 12 | 0 50 | 22 38 | 0 30 | 1 37 | 2 4 | 11 28 | 0 48 | 21 58 | 1 17 | 7 0 | 17 17 | 19 54 | 20 12 | 15 11 | 14 46 | 2 24 |
| W16 | 1 34 | 19 8 | 0s28 | 12 14 | 0 31 | 16 15 | 1 23 | 20 3 | 0 50 | 22 38 | 0 30 | 1 40 | 2 4 | 11 29 | 0 48 | 21 58 | 1 17 | 7 1 | 17 17 | 19 54 | 20 12 | 15 13 | 14 47 | 2 24 |
| T 17 | 1 10 | 16 31 | 1 38 | 12 1 | 0 40 | 16 40 | 1 28 | 19 54 | 0 51 | 22 37 | 0 30 | 1 43 | 2 4 | 11 30 | 0 48 | 21 58 | 1 17 | 7 2 | 17 17 | 19 54 | 20 13 | 15 15 | 14 48 | 2 24 |
| F 18 | 0 46 | 13 5 | 2 41 | 11 47 | 0 49 | 17 5 | 1 33 | 19 44 | 0 52 | 22 37 | 0 30 | 1 45 | 2 4 | 11 31 | 0 48 | 21 58 | 1 17 | 7 3 | 17 18 | 19 55 | 20 14 | 15 17 | 14 48 | 2 24 |
| S 19 | 0 22 | 9 4 | 3 35 | 11 31 | 0 58 | 17 29 | 1 38 | 19 35 | 0 53 | 22 37 | 0 30 | 1 48 | 2 4 | 11 31 | 0 48 | 21 58 | 1 17 | 7 3 | 17 18 | 19 57 | 20 14 | 15 19 | 14 49 | 2 24 |
| S 20 | 0n 2 | 4 43 | 4 17 | 11 13 | 1 6 | 17 53 | 1 42 | 19 25 | 0 54 | 22 36 | 0 30 | 1 51 | 2 4 | 11 32 | 0 48 | 21 58 | 1 17 | 7 4 | 17 18 | 19 59 | 20 15 | 15 21 | 14 50 | 2 24 |
| M21 | 0 25 | 0 13 | 4 46 | 10 55 | 1 14 | 18 17 | 1 47 | 19 15 | 0 55 | 22 36 | 0 30 | 1 54 | 2 4 | 11 33 | 0 48 | 21 57 | 1 17 | 7 5 | 17 19 | 20 1 | 20 16 | 15 22 | 14 51 | 2 24 |
| T 22 | 0 49 | 4n12 | 5 1 | 10 35 | 1 21 | 18 40 | 1 52 | 19 4 | 0 55 | 22 36 | 0 30 | 1 57 | 2 4 | 11 34 | 0 48 | 21 57 | 1 17 | 7 6 | 17 19 | 20 4 | 20 16 | 15 24 | 14 51 | 2 24 |
| W23 | 1 13 | 8 24 | 5 2 | 10 13 | 1 28 | 19 3 | 1 57 | 18 54 | 0 56 | 22 35 | 0 30 | 2 0 | 2 4 | 11 34 | 0 48 | 21 57 | 1 17 | 7 6 | 17 19 | 20 6 | 20 17 | 15 26 | 14 52 | 2 24 |
| T 24 | 1 37 | 12 14 | 4 49 | 9 51 | 1 35 | 19 26 | 2 1 | 18 43 | 0 57 | 22 35 | 0 30 | 2 3 | 2 4 | 11 35 | 0 48 | 21 57 | 1 17 | 7 7 | 17 19 | 20 8 | 20 18 | 15 28 | 14 53 | 2 24 |
| F 25 | 2 0 | 15 32 | 4 24 | 9 27 | 1 41 | 19 48 | 2 6 | 18 32 | 0 58 | 22 35 | 0 30 | 2 6 | 2 4 | 11 36 | 0 47 | 21 57 | 1 17 | 7 8 | 17 20 | 20 10 | 20 18 | 15 30 | 14 54 | 2 24 |
| S 26 | 2 24 | 18 11 | 3 48 | 9 2 | 1 47 | 20 10 | 2 11 | 18 22 | 0 59 | 22 34 | 0 30 | 2 8 | 2 4 | 11 37 | 0 47 | 21 57 | 1 17 | 7 9 | 17 20 | 20 11 | 20 19 | 15 32 | 14 55 | 2 24 |
| S 27 | 2 47 | 20 5 | 3 2 | 8 36 | 1 52 | 20 31 | 2 15 | 18 10 | 1 0 | 22 34 | 0 30 | 2 11 | 2 4 | 11 37 | 0 47 | 21 57 | 1 17 | 7 9 | 17 20 | 20 12 | 20 19 | 15 34 | 14 56 | 2 24 |
| M28 | 3 11 | 21 7 | 2 7 | 8 9 | 1 57 | 20 51 | 2 20 | 17 59 | 1 1 | 22 34 | 0 30 | 2 14 | 2 4 | 11 38 | 0 47 | 21 57 | 1 17 | 7 10 | 17 20 | 20 12 | 20 20 | 15 35 | 14 56 | 2 24 |
| T 29 | 3 34 | 21 11 | 1 6 | 7 40 | 2 1 | 21 12 | 2 25 | 17 48 | 1 1 | 22 34 | 0 30 | 2 17 | 2 4 | 11 39 | 0 47 | 21 57 | 1 17 | 7 11 | 17 20 | 20 12 | 20 21 | 15 37 | 14 57 | 2 24 |
| W30 | 3 58 | 20 13 | 0 1 | 7 11 | 2 5 | 21 31 | 2 29 | 17 36 | 1 2 | 22 33 | 0 30 | 2 20 | 2 4 | 11 39 | 0 47 | 21 57 | 1 17 | 7 12 | 17 20 | 20 12 | 20 21 | 15 39 | 14 58 | 2 24 |
| T 31 | 4n21 | 18n13 | 1n 6 | 6s40 | 2s 9 | 21n51 | 2n34 | 17s24 | 1s 3 | 22s33 | 0n30 | 2n23 | 2s 4 | 11n40 | 0n47 | 21s57 | 1n17 | 7n12 | 17n21 | 20n12 | 20n22 | 15n41 | 14n59 | 2s24 |

Julian Day Number = 2805159.5, Delta T = 51m28s
Ecliptic obliquity = 23°18'46, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'34, Lahiri = 37°24'34


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# ASTRODIENST EPHEMERIS for the year 2968
# geocentric

## APRIL 2968 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 41 5 | 12♈ 3'08 | 24♌55 | 19♓34 | 27♉54 | 15♒13 | 8♑33 | 11♈ 0 | 1°R21 | 4♑25 | 23°R 6 | 29°R12 | 28♋22 | 29♉50 | 18♉43 | F 1 |
| S 2 | 12 45 2 | 13° 2'50 | 8♍31 | 21° 4 | 28°56 | 15°56 | 8°37 | 11° 8 | 1♍19 | 4°25 | 23♎ 4 | 29♋ 7 | 28°19 | 29°57 | 18°46 | S 2 |
| S 3 | 12 48 58 | 14° 2'31 | 22°34 | 22°35 | 29°58 | 16°40 | 8°41 | 11°15 | 1°18 | 4°25 | 23° 3 | 28°59 | 28°16 | 0♊ 3 | 18°49 | S 3 |
| M 4 | 12 52 55 | 15° 2'09 | 7♎ 3 | 24° 8 | 1♊ 0 | 17°24 | 8°45 | 11°23 | 1°16 | 4°25 | 23° 1 | 28°49 | 28°13 | 0°10 | 18°53 | M 4 |
| T 5 | 12 56 51 | 16° 1'45 | 21°50 | 25°42 | 2° 1 | 18° 7 | 8°49 | 11°30 | 1°14 | 4°R25 | 22°59 | 28°38 | 28°10 | 0°17 | 18°56 | T 5 |
| W 6 | 13 0 48 | 17° 1'20 | 6♏47 | 27°18 | 3° 2 | 18°51 | 8°52 | 11°37 | 1°13 | 4°25 | 22°58 | 28°27 | 28° 6 | 0°23 | 18°59 | W 6 |
| T 7 | 13 4 44 | 18° 0'52 | 21°46 | 28°55 | 4° 2 | 19°35 | 8°55 | 11°45 | 1°11 | 4°25 | 22°56 | 28°17 | 28° 3 | 0°30 | 19° 3 | T 7 |
| F 8 | 13 8 41 | 19° 0'23 | 6♐36 | 0♈33 | 5° 2 | 20°18 | 8°59 | 11°52 | 1°10 | 4°25 | 22°54 | 28°10 | 28° 0 | 0°37 | 19° 6 | F 8 |
| S 9 | 13 12 38 | 19°59'52 | 21°11 | 2°12 | 6° 2 | 21° 2 | 9° 2 | 12° 0 | 1° 8 | 4°24 | 22°53 | 28° 5 | 27°57 | 0°44 | 19°10 | S 9 |
| S 10 | 13 16 34 | 20°59'20 | 5♑28 | 3°53 | 7° 1 | 21°46 | 9° 4 | 12° 7 | 1° 7 | 4°24 | 22°51 | 28° 2 | 27°54 | 0°50 | 19°13 | S 10 |
| M11 | 13 20 31 | 21°58'46 | 19°23 | 5°35 | 8° 0 | 22°29 | 9° 7 | 12°14 | 1° 5 | 4°24 | 22°49 | 28° 2 | 27°51 | 0°57 | 19°17 | M11 |
| T 12 | 13 24 27 | 22°58'10 | 2♒59 | 7°18 | 8°58 | 23°13 | 9°10 | 12°22 | 1° 4 | 4°24 | 22°48 | 28° 2 | 27°47 | 1° 4 | 19°20 | T 12 |
| W13 | 13 28 24 | 23°57'32 | 16°16 | 9° 3 | 9°56 | 23°57 | 9°12 | 12°29 | 1° 3 | 4°24 | 22°46 | 28° 1 | 27°44 | 1°10 | 19°24 | W13 |
| T 14 | 13 32 20 | 24°56'53 | 29°18 | 10°49 | 10°53 | 24°41 | 9°14 | 12°36 | 1° 2 | 4°23 | 22°44 | 27°58 | 27°41 | 1°17 | 19°27 | T 14 |
| F 15 | 13 36 17 | 25°56'12 | 12♓ 6 | 12°36 | 11°49 | 25°25 | 9°16 | 12°44 | 1° 0 | 4°23 | 22°43 | 27°53 | 27°38 | 1°24 | 19°31 | F 15 |
| S 16 | 13 40 13 | 26°55'29 | 24°42 | 14°25 | 12°46 | 26° 9 | 9°18 | 12°51 | 0°59 | 4°23 | 22°41 | 27°44 | 27°35 | 1°30 | 19°34 | S 16 |
| S 17 | 13 44 10 | 27°54'44 | 7♈ 9 | 16°15 | 13°41 | 26°52 | 9°19 | 12°58 | 0°58 | 4°22 | 22°39 | 27°33 | 27°32 | 1°37 | 19°38 | S 17 |
| M18 | 13 48 7 | 28°53'57 | 19°27 | 18° 7 | 14°36 | 27°36 | 9°20 | 13° 5 | 0°57 | 4°22 | 22°38 | 27°20 | 27°28 | 1°44 | 19°41 | M18 |
| T 19 | 13 52 3 | 29°53'09 | 1♉36 | 20° 0 | 15°31 | 28°20 | 9°22 | 13°13 | 0°56 | 4°22 | 22°36 | 27° 5 | 27°25 | 1°51 | 19°45 | T 19 |
| W20 | 13 56 0 | 0♉52'18 | 13°38 | 21°54 | 16°25 | 29° 4 | 9°23 | 13°20 | 0°55 | 4°21 | 22°34 | 26°51 | 27°22 | 1°57 | 19°49 | W20 |
| T 21 | 13 59 56 | 1°51'25 | 25°33 | 23°50 | 17°18 | 29°48 | 9°23 | 13°27 | 0°54 | 4°21 | 22°33 | 26°38 | 27°19 | 2° 4 | 19°52 | T 21 |
| F 22 | 14 3 53 | 2°50'31 | 7♊24 | 25°47 | 18°11 | 0♓32 | 9°24 | 13°34 | 0°53 | 4°20 | 22°31 | 26°28 | 27°16 | 2°11 | 19°56 | F 22 |
| S 23 | 14 7 49 | 3°49'34 | 19°13 | 27°46 | 19° 3 | 1°16 | 9°24 | 13°41 | 0°53 | 4°19 | 22°29 | 26°20 | 27°12 | 2°17 | 20° 0 | S 23 |
| S 24 | 14 11 46 | 4°48'35 | 1♋ 3 | 29°46 | 19°54 | 2° 0 | 9°25 | 13°48 | 0°52 | 4°19 | 22°28 | 26°15 | 27° 9 | 2°24 | 20° 4 | S 24 |
| M25 | 14 15 42 | 5°47'34 | 12°57 | 1♉47 | 20°45 | 2°44 | 9°R25 | 13°55 | 0°51 | 4°18 | 22°26 | 26°13 | 27° 6 | 2°31 | 20° 7 | M25 |
| T 26 | 14 19 39 | 6°46'30 | 25° 1 | 3°49 | 21°34 | 3°27 | 9°25 | 14° 2 | 0°51 | 4°18 | 22°25 | 26°D13 | 27° 3 | 2°37 | 20°11 | T 26 |
| W27 | 14 23 36 | 7°45'25 | 7♌20 | 5°53 | 22°23 | 4°11 | 9°24 | 14°10 | 0°50 | 4°17 | 22°23 | 26°R13 | 27° 0 | 2°44 | 20°15 | W27 |
| T 28 | 14 27 32 | 8°44'17 | 19°59 | 7°57 | 23°12 | 4°55 | 9°24 | 14°16 | 0°49 | 4°16 | 22°21 | 26°12 | 26°57 | 2°51 | 20°19 | T 28 |
| F 29 | 14 31 29 | 9°43'07 | 3♍ 3 | 10° 3 | 23°59 | 5°39 | 9°23 | 14°23 | 0°49 | 4°15 | 22°20 | 26°10 | 26°53 | 2°57 | 20°22 | F 29 |
| S 30 | 14 35 25 | 10♉41'54 | 16♍36 | 12♉ 9 | 24♊45 | 6♓23 | 9♑22 | 14♈30 | 0♍48 | 4♑15 | 22♎18 | 26♋ 6 | 26♋50 | 3♊ 4 | 20♉26 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4n44 | 15n13 | 2n12 | 6s 8 | 2s12 | 22n10 | 2n39 | 17s12 | 1s 4 | 22s33 | 0n30 | 2n26 | 2s 4 | 11n40 | 0n47 | 21s57 | 1n17 | 7n13 | 17n21 | 20n13 | 20n23 | 15n43 | 15n 0 | 2s24 |
| S 2 | 5 8 | 11 18 | 3 12 | 5 36 | 2 15 | 22 28 | 2 43 | 17 0 | 1 5 | 22 32 | 0 30 | 2 28 | 2 4 | 11 41 | 0 47 | 21 57 | 1 18 | 7 14 | 17 21 | 20 14 | 20 23 | 15 45 | 15 1 | 2 24 |
| S 3 | 5 31 | 6 39 | 4 3 | 5 2 | 2 17 | 22 46 | 2 48 | 16 48 | 1 6 | 22 32 | 0 30 | 2 31 | 2 4 | 11 42 | 0 47 | 21 57 | 1 18 | 7 14 | 17 21 | 20 15 | 20 24 | 15 46 | 15 2 | 2 24 |
| M 4 | 5 54 | 1 30 | 4 40 | 4 27 | 2 19 | 23 3 | 2 52 | 16 36 | 1 7 | 22 32 | 0 30 | 2 34 | 2 4 | 11 42 | 0 47 | 21 57 | 1 18 | 7 15 | 17 21 | 20 17 | 20 25 | 15 48 | 15 3 | 2 24 |
| T 5 | 6 16 | 3s50 | 4 59 | 3 51 | 2 21 | 23 20 | 2 56 | 16 23 | 1 7 | 22 32 | 0 30 | 2 37 | 2 4 | 11 43 | 0 47 | 21 57 | 1 18 | 7 16 | 17 21 | 20 19 | 20 25 | 15 50 | 15 3 | 2 24 |
| W 6 | 6 39 | 9 1 | 4 58 | 3 14 | 2 22 | 23 37 | 3 1 | 16 11 | 1 8 | 22 31 | 0 30 | 2 40 | 2 4 | 11 43 | 0 47 | 21 57 | 1 18 | 7 16 | 17 21 | 20 22 | 20 26 | 15 52 | 15 4 | 2 24 |
| T 7 | 7 2 | 13 39 | 4 36 | 2 37 | 2 22 | 23 52 | 3 5 | 15 58 | 1 9 | 22 31 | 0 30 | 2 43 | 2 4 | 11 44 | 0 47 | 21 57 | 1 18 | 7 17 | 17 21 | 20 24 | 20 26 | 15 54 | 15 5 | 2 24 |
| F 8 | 7 24 | 17 25 | 3 56 | 1 58 | 2 22 | 24 8 | 3 9 | 15 45 | 1 10 | 22 31 | 0 30 | 2 45 | 2 4 | 11 44 | 0 47 | 21 57 | 1 18 | 7 18 | 17 22 | 20 25 | 20 27 | 15 56 | 15 6 | 2 24 |
| S 9 | 7 47 | 20 0 | 3 2 | 1 18 | 2 22 | 24 23 | 3 14 | 15 32 | 1 11 | 22 31 | 0 30 | 2 48 | 2 4 | 11 45 | 0 47 | 21 57 | 1 18 | 7 18 | 17 22 | 20 26 | 20 28 | 15 57 | 15 7 | 2 24 |
| S 10 | 8 9 | 21 16 | 1 56 | 0 38 | 2 21 | 24 37 | 3 18 | 15 19 | 1 12 | 22 31 | 0 30 | 2 51 | 2 5 | 11 45 | 0 47 | 21 57 | 1 18 | 7 19 | 17 22 | 20 27 | 20 28 | 15 59 | 15 8 | 2 24 |
| M11 | 8 31 | 21 10 | 0 46 | 0n 4 | 2 20 | 24 51 | 3 22 | 15 5 | 1 13 | 22 30 | 0 30 | 2 54 | 2 5 | 11 46 | 0 47 | 21 57 | 1 18 | 7 20 | 17 22 | 20 27 | 20 29 | 16 1 | 15 9 | 2 24 |
| T 12 | 8 53 | 19 49 | 0s26 | 0 46 | 2 18 | 25 4 | 3 26 | 14 52 | 1 14 | 22 30 | 0 30 | 2 57 | 2 5 | 11 46 | 0 47 | 21 57 | 1 18 | 7 20 | 17 22 | 20 27 | 20 30 | 16 3 | 15 10 | 2 24 |
| W13 | 9 15 | 17 23 | 1 35 | 1 29 | 2 16 | 25 17 | 3 30 | 14 38 | 1 14 | 22 30 | 0 30 | 2 59 | 2 5 | 11 47 | 0 47 | 21 57 | 1 18 | 7 21 | 17 22 | 20 27 | 20 30 | 16 5 | 15 11 | 2 24 |
| T 14 | 9 37 | 14 7 | 2 37 | 2 13 | 2 13 | 25 29 | 3 34 | 14 25 | 1 15 | 22 30 | 0 30 | 3 2 | 2 5 | 11 47 | 0 47 | 21 57 | 1 18 | 7 21 | 17 22 | 20 27 | 20 31 | 16 6 | 15 12 | 2 24 |
| F 15 | 9 58 | 10 14 | 3 30 | 2 58 | 2 10 | 25 41 | 3 37 | 14 11 | 1 16 | 22 30 | 0 30 | 3 5 | 2 5 | 11 47 | 0 47 | 21 56 | 1 18 | 7 22 | 17 22 | 20 29 | 20 31 | 16 8 | 15 13 | 2 24 |
| S 16 | 10 19 | 5 57 | 4 12 | 3 43 | 2 6 | 25 52 | 3 41 | 13 57 | 1 17 | 22 30 | 0 30 | 3 8 | 2 5 | 11 48 | 0 47 | 21 56 | 1 18 | 7 23 | 17 22 | 20 30 | 20 32 | 16 10 | 15 14 | 2 24 |
| S 17 | 10 41 | 1 29 | 4 41 | 4 29 | 2 2 | 26 2 | 3 45 | 13 43 | 1 18 | 22 30 | 0 30 | 3 10 | 2 5 | 11 48 | 0 47 | 21 56 | 1 18 | 7 23 | 17 22 | 20 32 | 20 33 | 16 12 | 15 15 | 2 24 |
| M18 | 11 2 | 2n59 | 4 57 | 5 16 | 1 57 | 26 12 | 3 48 | 13 28 | 1 19 | 22 30 | 0 30 | 3 13 | 2 5 | 11 49 | 0 47 | 21 56 | 1 18 | 7 24 | 17 22 | 20 35 | 20 33 | 16 14 | 15 15 | 2 24 |
| T 19 | 11 22 | 7 17 | 4 59 | 6 3 | 1 52 | 26 22 | 3 52 | 13 14 | 1 20 | 22 30 | 0 30 | 3 16 | 2 5 | 11 49 | 0 47 | 21 56 | 1 18 | 7 24 | 17 22 | 20 38 | 20 34 | 16 15 | 15 16 | 2 24 |
| W20 | 11 43 | 11 17 | 4 47 | 6 51 | 1 46 | 26 31 | 3 55 | 13 0 | 1 21 | 22 30 | 0 30 | 3 19 | 2 5 | 11 49 | 0 47 | 21 56 | 1 18 | 7 25 | 17 22 | 20 41 | 20 35 | 16 17 | 15 17 | 2 24 |
| T 21 | 12 3 | 14 47 | 4 23 | 7 39 | 1 40 | 26 40 | 3 58 | 12 45 | 1 21 | 22 30 | 0 30 | 3 21 | 2 5 | 11 49 | 0 47 | 21 56 | 1 18 | 7 25 | 17 22 | 20 43 | 20 35 | 16 19 | 15 18 | 2 24 |
| F 22 | 12 24 | 17 41 | 3 47 | 8 28 | 1 33 | 26 48 | 4 1 | 12 31 | 1 22 | 22 29 | 0 29 | 3 24 | 2 5 | 11 50 | 0 47 | 21 56 | 1 18 | 7 26 | 17 22 | 20 45 | 20 36 | 16 21 | 15 19 | 2 24 |
| S 23 | 12 44 | 19 51 | 3 2 | 9 17 | 1 26 | 26 55 | 4 4 | 12 16 | 1 23 | 22 29 | 0 29 | 3 27 | 2 5 | 11 50 | 0 47 | 21 56 | 1 18 | 7 26 | 17 22 | 20 46 | 20 36 | 16 22 | 15 20 | 2 24 |
| S 24 | 13 3 | 21 9 | 2 9 | 10 6 | 1 18 | 27 2 | 4 7 | 12 1 | 1 24 | 22 29 | 0 29 | 3 29 | 2 6 | 11 50 | 0 47 | 21 56 | 1 18 | 7 27 | 17 21 | 20 47 | 20 37 | 16 24 | 15 21 | 2 24 |
| M25 | 13 23 | 21 32 | 1 10 | 10 56 | 1 10 | 27 9 | 4 10 | 11 46 | 1 25 | 22 29 | 0 29 | 3 32 | 2 6 | 11 50 | 0 47 | 21 56 | 1 18 | 7 27 | 17 21 | 20 48 | 20 38 | 16 26 | 15 22 | 2 24 |
| T 26 | 13 42 | 20 55 | 0 6 | 11 46 | 1 2 | 27 15 | 4 12 | 11 31 | 1 26 | 22 30 | 0 29 | 3 35 | 2 6 | 11 51 | 0 47 | 21 56 | 1 18 | 7 28 | 17 21 | 20 48 | 20 38 | 16 28 | 15 23 | 2 24 |
| W27 | 14 1 | 19 17 | 0n59 | 12 35 | 0 53 | 27 20 | 4 15 | 11 16 | 1 27 | 22 30 | 0 29 | 3 37 | 2 6 | 11 51 | 0 46 | 21 56 | 1 18 | 7 28 | 17 21 | 20 48 | 20 39 | 16 30 | 15 24 | 2 24 |
| T 28 | 14 20 | 16 41 | 2 3 | 13 24 | 0 43 | 27 25 | 4 17 | 11 1 | 1 27 | 22 30 | 0 29 | 3 40 | 2 6 | 11 51 | 0 46 | 21 56 | 1 18 | 7 29 | 17 21 | 20 48 | 20 39 | 16 31 | 15 25 | 2 24 |
| F 29 | 14 39 | 13 10 | 3 2 | 14 13 | 0 34 | 27 30 | 4 19 | 10 45 | 1 28 | 22 30 | 0 29 | 3 42 | 2 6 | 11 51 | 0 46 | 21 56 | 1 18 | 7 29 | 17 21 | 20 48 | 20 40 | 16 33 | 15 26 | 2 24 |
| S 30 | 14n57 | 8n51 | 3n54 | 15n 2 | 0s24 | 27n34 | 4n21 | 10s30 | 1s29 | 22s30 | 0n29 | 3n45 | 2s 6 | 11n51 | 0n46 | 21s56 | 1n18 | 7n30 | 17n21 | 20n49 | 20n41 | 16n35 | 15n27 | 2s24 |

Julian Day Number = 2805190.5, Delta T = 51m29s
Ecliptic obliquity = 23°18'46, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'38, Lahiri = 37°24'38


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# ASTRODIENST EPHEMERIS for the year 2968
# geocentric

## MAY 2968 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 39 22 | 11♉40'40 | 0♎38 | 14♉16 | 25♊31 | 7♓ 7 | 9°R21 | 14♈37 | 0°R48 | 4°R14 | 22°R17 | 25°R59 | 26♋47 | 3♊11 | 20♉30 | S 1 |
| M 2 | 14 43 18 | 12°39'23 | 15° 9 | 16°23 | 26°15 | 7°51 | 9♑20 | 14°44 | 0♍48 | 4♑13 | 22♎15 | 25♋50 | 26°44 | 3°18 | 20°34 | M 2 |
| T 3 | 14 47 15 | 13°38'04 | 0♏ 5 | 18°30 | 26°59 | 8°35 | 9°18 | 14°51 | 0°48 | 4°12 | 22°14 | 25°40 | 26°41 | 3°24 | 20°38 | T 3 |
| W 4 | 14 51 11 | 14°36'43 | 15°15 | 20°37 | 27°41 | 9°19 | 9°17 | 14°58 | 0°47 | 4°11 | 22°12 | 25°30 | 26°38 | 3°31 | 20°41 | W 4 |
| T 5 | 14 55 8 | 15°35'21 | 0♐31 | 22°44 | 28°23 | 10° 3 | 9°15 | 15° 5 | 0°47 | 4°10 | 22°11 | 25°20 | 26°34 | 3°38 | 20°45 | T 5 |
| F 6 | 14 59 5 | 16°33'56 | 15°40 | 24°50 | 29° 3 | 10°47 | 9°13 | 15°11 | 0°47 | 4° 9 | 22° 9 | 25°13 | 26°31 | 3°44 | 20°49 | F 6 |
| S 7 | 15 3 1 | 17°32'30 | 0♑34 | 26°55 | 29°42 | 11°31 | 9°11 | 15°18 | 0°D47 | 4° 8 | 22° 8 | 25° 9 | 26°28 | 3°51 | 20°53 | S 7 |
| S 8 | 15 6 58 | 18°31'03 | 15° 6 | 28°58 | 0♋20 | 12°15 | 9° 8 | 15°25 | 0°47 | 4° 7 | 22° 6 | 25° 7 | 26°25 | 3°58 | 20°57 | S 8 |
| M 9 | 15 10 54 | 19°29'34 | 29°13 | 1♊ 0 | 0°57 | 12°59 | 9° 6 | 15°31 | 0°47 | 4° 6 | 22° 5 | 25°D 6 | 26°22 | 4° 4 | 21° 0 | M 9 |
| T 10 | 15 14 51 | 20°28'03 | 12♒55 | 3° 0 | 1°33 | 13°43 | 9° 3 | 15°38 | 0°47 | 4° 5 | 22° 3 | 25° 7 | 26°18 | 4°11 | 21° 4 | T 10 |
| W11 | 15 18 47 | 21°26'30 | 26°13 | 4°57 | 2° 7 | 14°27 | 9° 0 | 15°44 | 0°47 | 4° 4 | 22° 2 | 25°R 7 | 26°15 | 4°18 | 21° 8 | W11 |
| T 12 | 15 22 44 | 22°24'56 | 9♓10 | 6°52 | 2°40 | 15°11 | 8°57 | 15°51 | 0°48 | 4° 3 | 22° 1 | 25° 5 | 26°12 | 4°25 | 21°12 | T 12 |
| F 13 | 15 26 40 | 23°23'21 | 21°49 | 8°44 | 3°11 | 15°55 | 8°54 | 15°57 | 0°48 | 4° 2 | 21°59 | 25° 2 | 26° 9 | 4°31 | 21°16 | F 13 |
| S 14 | 15 30 37 | 24°21'44 | 4♈15 | 10°33 | 3°41 | 16°39 | 8°50 | 16° 4 | 0°48 | 4° 1 | 21°58 | 24°56 | 26° 6 | 4°38 | 21°20 | S 14 |
| S 15 | 15 34 34 | 25°20'05 | 16°30 | 12°19 | 4° 9 | 17°23 | 8°47 | 16°10 | 0°49 | 4° 0 | 21°56 | 24°47 | 26° 3 | 4°45 | 21°23 | S 15 |
| M16 | 15 38 30 | 26°18'25 | 28°36 | 14° 1 | 4°36 | 18° 7 | 8°43 | 16°16 | 0°49 | 3°59 | 21°55 | 24°37 | 25°59 | 4°51 | 21°27 | M16 |
| T 17 | 15 42 27 | 27°16'43 | 10♉35 | 15°40 | 5° 1 | 18°51 | 8°39 | 16°22 | 0°49 | 3°58 | 21°54 | 24°26 | 25°56 | 4°58 | 21°31 | T 17 |
| W18 | 15 46 23 | 28°14'59 | 22°30 | 17°15 | 5°25 | 19°35 | 8°35 | 16°29 | 0°50 | 3°56 | 21°53 | 24°15 | 25°53 | 5° 5 | 21°35 | W18 |
| T 19 | 15 50 20 | 29°13'14 | 4♊21 | 18°46 | 5°46 | 20°19 | 8°31 | 16°35 | 0°51 | 3°55 | 21°51 | 24° 6 | 25°50 | 5°11 | 21°39 | T 19 |
| F 20 | 15 54 16 | 0♊11'27 | 16°10 | 20°13 | 6° 6 | 21° 3 | 8°26 | 16°41 | 0°51 | 3°54 | 21°50 | 23°58 | 25°47 | 5°18 | 21°43 | F 20 |
| S 21 | 15 58 13 | 1° 9'39 | 28° 0 | 21°36 | 6°24 | 21°47 | 8°22 | 16°47 | 0°52 | 3°53 | 21°49 | 23°52 | 25°44 | 5°25 | 21°46 | S 21 |
| S 22 | 16 2 9 | 2° 7'49 | 9♋52 | 22°55 | 6°40 | 22°31 | 8°17 | 16°53 | 0°53 | 3°51 | 21°48 | 23°49 | 25°40 | 5°31 | 21°50 | S 22 |
| M23 | 16 6 6 | 3° 5'57 | 21°50 | 24°10 | 6°54 | 23°14 | 8°12 | 16°59 | 0°54 | 3°50 | 21°47 | 23°D47 | 25°37 | 5°38 | 21°54 | M23 |
| T 24 | 16 10 3 | 4° 4'03 | 3♌56 | 25°21 | 7° 6 | 23°58 | 8° 7 | 17° 5 | 0°54 | 3°49 | 21°45 | 23°48 | 25°34 | 5°45 | 21°58 | T 24 |
| W25 | 16 13 59 | 5° 2'07 | 16°17 | 26°27 | 7°15 | 24°42 | 8° 2 | 17°10 | 0°55 | 3°47 | 21°44 | 23°49 | 25°31 | 5°52 | 22° 2 | W25 |
| T 26 | 16 17 56 | 6° 0'09 | 28°55 | 27°29 | 7°23 | 25°26 | 7°56 | 17°16 | 0°56 | 3°46 | 21°43 | 23°50 | 25°28 | 5°58 | 22° 5 | T 26 |
| F 27 | 16 21 52 | 6°58'10 | 11♍55 | 28°26 | 7°28 | 26°10 | 7°51 | 17°22 | 0°57 | 3°44 | 21°42 | 23°R50 | 25°24 | 6° 5 | 22° 9 | F 27 |
| S 28 | 16 25 49 | 7°56'08 | 25°21 | 29°19 | 7°31 | 26°53 | 7°45 | 17°27 | 0°58 | 3°43 | 21°41 | 23°49 | 25°21 | 6°12 | 22°13 | S 28 |
| S 29 | 16 29 45 | 8°54'05 | 9♎16 | 0♋ 7 | 7°R32 | 27°37 | 7°40 | 17°33 | 1° 0 | 3°42 | 21°40 | 23°45 | 25°18 | 6°18 | 22°16 | S 29 |
| M30 | 16 33 42 | 9°52'00 | 23°38 | 0°51 | 7°30 | 28°21 | 7°34 | 17°39 | 1° 1 | 3°40 | 21°39 | 23°41 | 25°15 | 6°25 | 22°20 | M30 |
| T 31 | 16 37 38 | 10♊49'54 | 8♏26 | 1♋30 | 7♋26 | 29♓ 5 | 7♑28 | 17♈44 | 1♍ 2 | 3♑39 | 21♎38 | 23♋35 | 25♋12 | 6♊32 | 22♉24 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n15 | 3n56 | 4n33 | 15n49 | 0s13 | 27n37 | 4n23 | 10s15 | 1s30 | 22s30 | 0n29 | 3n47 | 2s 6 | 11n51 | 0n46 | 21s56 | 1n19 | 7n30 | 17n21 | 20n50 | 20n41 | 16n37 | 15n28 | 2s24 |
| M 2 | 15 33 | 1s22 | 4 57 | 16 36 | 0 3 | 27 40 | 4 25 | 9 59 | 1 31 | 22 30 | 0 29 | 3 50 | 2 6 | 11 51 | 0 46 | 21 56 | 1 19 | 7 30 | 17 20 | 20 52 | 20 42 | 16 38 | 15 29 | 2 24 |
| T 3 | 15 51 | 6 44 | 5 1 | 17 22 | 0n 8 | 27 43 | 4 26 | 9 43 | 1 32 | 22 30 | 0 29 | 3 52 | 2 7 | 11 51 | 0 46 | 21 56 | 1 19 | 7 31 | 17 20 | 20 54 | 20 43 | 16 40 | 15 30 | 2 24 |
| W 4 | 16 8 | 11 47 | 4 44 | 18 7 | 0 19 | 27 45 | 4 28 | 9 28 | 1 32 | 22 30 | 0 29 | 3 55 | 2 7 | 11 51 | 0 46 | 21 56 | 1 19 | 7 31 | 17 20 | 20 56 | 20 43 | 16 42 | 15 31 | 2 24 |
| T 5 | 16 25 | 16 7 | 4 7 | 18 50 | 0 29 | 27 47 | 4 29 | 9 12 | 1 33 | 22 30 | 0 29 | 3 57 | 2 7 | 11 51 | 0 46 | 21 56 | 1 19 | 7 31 | 17 20 | 20 57 | 20 44 | 16 44 | 15 31 | 2 24 |
| F 6 | 16 42 | 19 21 | 3 13 | 19 31 | 0 40 | 27 48 | 4 30 | 8 56 | 1 34 | 22 31 | 0 29 | 4 0 | 2 7 | 11 51 | 0 46 | 21 56 | 1 19 | 7 32 | 17 20 | 20 59 | 20 44 | 16 45 | 15 32 | 2 24 |
| S 7 | 16 59 | 21 12 | 2 7 | 20 11 | 0 51 | 27 49 | 4 30 | 8 40 | 1 35 | 22 31 | 0 29 | 4 2 | 2 7 | 11 51 | 0 46 | 21 56 | 1 19 | 7 32 | 17 19 | 21 0 | 20 45 | 16 47 | 15 33 | 2 25 |
| S 8 | 17 15 | 21 35 | 0 53 | 20 49 | 1 1 | 27 50 | 4 31 | 8 24 | 1 36 | 22 31 | 0 29 | 4 5 | 2 7 | 11 51 | 0 46 | 21 56 | 1 19 | 7 32 | 17 19 | 21 0 | 20 46 | 16 49 | 15 34 | 2 25 |
| M 9 | 17 31 | 20 34 | 0s22 | 21 25 | 1 11 | 27 50 | 4 31 | 8 8 | 1 37 | 22 31 | 0 29 | 4 7 | 2 7 | 11 51 | 0 46 | 21 56 | 1 19 | 7 33 | 17 19 | 21 0 | 20 46 | 16 51 | 15 35 | 2 25 |
| T 10 | 17 46 | 18 20 | 1 33 | 21 58 | 1 21 | 27 49 | 4 31 | 7 52 | 1 37 | 22 31 | 0 29 | 4 9 | 2 7 | 11 51 | 0 46 | 21 56 | 1 19 | 7 33 | 17 19 | 21 0 | 20 47 | 16 52 | 15 36 | 2 25 |
| W11 | 18 2 | 15 11 | 2 38 | 22 30 | 1 30 | 27 48 | 4 31 | 7 36 | 1 38 | 22 32 | 0 29 | 4 12 | 2 8 | 11 51 | 0 46 | 21 56 | 1 19 | 7 33 | 17 18 | 21 0 | 20 47 | 16 54 | 15 37 | 2 25 |
| T 12 | 18 17 | 11 22 | 3 32 | 22 58 | 1 39 | 27 47 | 4 30 | 7 20 | 1 39 | 22 32 | 0 29 | 4 14 | 2 8 | 11 51 | 0 46 | 21 56 | 1 19 | 7 34 | 17 18 | 21 0 | 20 48 | 16 56 | 15 38 | 2 25 |
| F 13 | 18 31 | 7 8 | 4 15 | 23 25 | 1 48 | 27 46 | 4 29 | 7 4 | 1 40 | 22 32 | 0 29 | 4 16 | 2 8 | 11 51 | 0 46 | 21 56 | 1 19 | 7 34 | 17 18 | 21 1 | 20 49 | 16 58 | 15 39 | 2 25 |
| S 14 | 18 46 | 2 41 | 4 45 | 23 49 | 1 55 | 27 44 | 4 28 | 6 47 | 1 41 | 22 32 | 0 29 | 4 19 | 2 8 | 11 51 | 0 46 | 21 56 | 1 19 | 7 34 | 17 18 | 21 2 | 20 49 | 16 59 | 15 40 | 2 25 |
| S 15 | 19 0 | 1n49 | 5 1 | 24 10 | 2 2 | 27 42 | 4 27 | 6 31 | 1 42 | 22 33 | 0 29 | 4 21 | 2 8 | 11 51 | 0 46 | 21 56 | 1 19 | 7 34 | 17 17 | 21 3 | 20 50 | 17 1 | 15 41 | 2 25 |
| M16 | 19 13 | 6 11 | 5 3 | 24 29 | 2 8 | 27 39 | 4 25 | 6 15 | 1 42 | 22 33 | 0 29 | 4 23 | 2 8 | 11 50 | 0 46 | 21 56 | 1 19 | 7 34 | 17 17 | 21 5 | 20 50 | 17 3 | 15 42 | 2 25 |
| T 17 | 19 27 | 10 17 | 4 52 | 24 46 | 2 14 | 27 36 | 4 23 | 5 58 | 1 43 | 22 33 | 0 29 | 4 26 | 2 8 | 11 50 | 0 46 | 21 56 | 1 19 | 7 35 | 17 17 | 21 7 | 20 51 | 17 4 | 15 42 | 2 25 |
| W18 | 19 40 | 13 58 | 4 29 | 25 0 | 2 18 | 27 33 | 4 21 | 5 42 | 1 44 | 22 34 | 0 29 | 4 28 | 2 9 | 11 50 | 0 46 | 21 56 | 1 19 | 7 35 | 17 16 | 21 9 | 20 51 | 17 6 | 15 43 | 2 25 |
| T 19 | 19 53 | 17 5 | 3 53 | 25 12 | 2 22 | 27 30 | 4 19 | 5 25 | 1 45 | 22 34 | 0 29 | 4 30 | 2 9 | 11 50 | 0 46 | 21 56 | 1 19 | 7 35 | 17 16 | 21 11 | 20 52 | 17 8 | 15 44 | 2 25 |
| F 20 | 20 5 | 19 29 | 3 8 | 25 22 | 2 25 | 27 26 | 4 16 | 5 9 | 1 45 | 22 34 | 0 29 | 4 32 | 2 9 | 11 49 | 0 46 | 21 56 | 1 19 | 7 35 | 17 16 | 21 12 | 20 53 | 17 10 | 15 45 | 2 26 |
| S 21 | 20 17 | 21 4 | 2 14 | 25 29 | 2 27 | 27 21 | 4 12 | 4 52 | 1 46 | 22 35 | 0 29 | 4 34 | 2 9 | 11 49 | 0 46 | 21 56 | 1 19 | 7 35 | 17 15 | 21 13 | 20 53 | 17 11 | 15 46 | 2 26 |
| S 22 | 20 29 | 21 43 | 1 14 | 25 35 | 2 28 | 27 17 | 4 9 | 4 36 | 1 47 | 22 35 | 0 28 | 4 36 | 2 9 | 11 49 | 0 46 | 21 56 | 1 19 | 7 35 | 17 15 | 21 14 | 20 54 | 17 13 | 15 47 | 2 26 |
| M23 | 20 40 | 21 23 | 0 11 | 25 39 | 2 28 | 27 12 | 4 4 | 4 19 | 1 48 | 22 35 | 0 28 | 4 38 | 2 9 | 11 49 | 0 45 | 21 56 | 1 19 | 7 35 | 17 15 | 21 14 | 20 54 | 17 15 | 15 48 | 2 26 |
| T 24 | 20 51 | 20 3 | 0n55 | 25 40 | 2 27 | 27 7 | 4 0 | 4 3 | 1 49 | 22 36 | 0 28 | 4 40 | 2 10 | 11 48 | 0 45 | 21 56 | 1 19 | 7 35 | 17 14 | 21 14 | 20 55 | 17 16 | 15 49 | 2 26 |
| W25 | 21 1 | 17 45 | 1 58 | 25 41 | 2 25 | 27 2 | 3 55 | 3 46 | 1 49 | 22 36 | 0 28 | 4 43 | 2 10 | 11 48 | 0 45 | 21 56 | 1 19 | 7 35 | 17 14 | 21 14 | 20 56 | 17 18 | 15 49 | 2 26 |
| T 26 | 21 12 | 14 34 | 2 58 | 25 39 | 2 22 | 26 56 | 3 50 | 3 29 | 1 50 | 22 36 | 0 28 | 4 45 | 2 10 | 11 47 | 0 45 | 21 57 | 1 19 | 7 36 | 17 14 | 21 13 | 20 56 | 17 20 | 15 50 | 2 26 |
| F 27 | 21 22 | 10 37 | 3 50 | 25 36 | 2 18 | 26 50 | 3 44 | 3 13 | 1 51 | 22 37 | 0 28 | 4 47 | 2 10 | 11 47 | 0 45 | 21 57 | 1 19 | 7 36 | 17 13 | 21 13 | 20 57 | 17 22 | 15 51 | 2 26 |
| S 28 | 21 31 | 6 0 | 4 32 | 25 32 | 2 13 | 26 43 | 3 38 | 2 56 | 1 52 | 22 37 | 0 28 | 4 48 | 2 10 | 11 47 | 0 45 | 21 57 | 1 19 | 7 36 | 17 13 | 21 14 | 20 57 | 17 23 | 15 52 | 2 26 |
| S 29 | 21 40 | 0 57 | 4 59 | 25 26 | 2 7 | 26 36 | 3 31 | 2 40 | 1 52 | 22 38 | 0 28 | 4 50 | 2 11 | 11 46 | 0 45 | 21 57 | 1 19 | 7 36 | 17 13 | 21 14 | 20 58 | 17 25 | 15 53 | 2 26 |
| M30 | 21 49 | 4s20 | 5 9 | 25 19 | 2 0 | 26 29 | 3 24 | 2 23 | 1 53 | 22 38 | 0 28 | 4 52 | 2 11 | 11 46 | 0 45 | 21 57 | 1 19 | 7 36 | 17 12 | 21 15 | 20 58 | 17 27 | 15 54 | 2 27 |
| T 31 | 21n57 | 9s31 | 4n59 | 25n11 | 1n52 | 26n22 | 3n16 | 2s 6 | 1s54 | 22s38 | 0n28 | 4n54 | 2s11 | 11n45 | 0n45 | 21s57 | 1n19 | 7n35 | 17n12 | 21n16 | 20n59 | 17n28 | 15n54 | 2s27 |

Julian Day Number = 2805220.5, Delta T = 51m29s
Ecliptic obliquity = 23°18'46, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'42, Lahiri = 37°24'42


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# ASTRODIENST EPHEMERIS for the year 2968
# geocentric

## JUNE 2968 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 41 35 | 11♊47'45 | 23♏32 | 2♋ 4 | 7°R19 | 29♓48 | 7°R22 | 17♈49 | 1♍ 3 | 3°R37 | 21°R37 | 23°R28 | 25♋ 9 | 6♊38 | 22♉28 | W 1 |
| T 2 | 16 45 32 | 12°45'36 | 8♐48 | 2°33 | 7♋10 | 0♈32 | 7♑15 | 17°55 | 1° 5 | 3♑36 | 21♎36 | 23♋23 | 25° 5 | 6°45 | 22°31 | T 2 |
| F 3 | 16 49 28 | 13°43'25 | 24° 3 | 2°58 | 6°58 | 1°16 | 7° 9 | 18° 0 | 1° 6 | 3°34 | 21°35 | 23°19 | 25° 2 | 6°52 | 22°35 | F 3 |
| S 4 | 16 53 25 | 14°41'12 | 9♑ 6 | 3°17 | 6°44 | 1°59 | 7° 3 | 18° 5 | 1° 7 | 3°33 | 21°35 | 23°16 | 24°59 | 6°58 | 22°38 | S 4 |
| S 5 | 16 57 21 | 15°38'59 | 23°50 | 3°32 | 6°28 | 2°43 | 6°56 | 18°10 | 1° 9 | 3°31 | 21°34 | 23°D15 | 24°56 | 7° 5 | 22°42 | S 5 |
| M 6 | 17 1 18 | 16°36'44 | 8♒ 9 | 3°42 | 6° 9 | 3°26 | 6°49 | 18°15 | 1°10 | 3°30 | 21°33 | 23°16 | 24°53 | 7°12 | 22°46 | M 6 |
| T 7 | 17 5 14 | 17°34'28 | 22° 1 | 3°47 | 5°48 | 4°10 | 6°43 | 18°20 | 1°12 | 3°28 | 21°32 | 23°17 | 24°50 | 7°18 | 22°49 | T 7 |
| W 8 | 17 9 11 | 18°32'11 | 5♓27 | 3°R48 | 5°25 | 4°53 | 6°36 | 18°25 | 1°14 | 3°27 | 21°31 | 23°19 | 24°46 | 7°25 | 22°53 | W 8 |
| T 9 | 17 13 7 | 19°29'53 | 18°27 | 3°44 | 5° 0 | 5°37 | 6°29 | 18°30 | 1°15 | 3°25 | 21°31 | 23°R19 | 24°43 | 7°32 | 22°56 | T 9 |
| F 10 | 17 17 4 | 20°27'34 | 1♈ 7 | 3°35 | 4°32 | 6°20 | 6°22 | 18°35 | 1°17 | 3°24 | 21°30 | 23°19 | 24°40 | 7°39 | 23° 0 | F 10 |
| S 11 | 17 21 1 | 21°25'15 | 13°30 | 3°23 | 4° 3 | 7° 4 | 6°15 | 18°39 | 1°19 | 3°22 | 21°29 | 23°17 | 24°37 | 7°45 | 23° 3 | S 11 |
| S 12 | 17 24 57 | 22°22'54 | 25°39 | 3° 6 | 3°32 | 7°47 | 6° 8 | 18°44 | 1°20 | 3°20 | 21°29 | 23°14 | 24°34 | 7°52 | 23° 7 | S 12 |
| M13 | 17 28 54 | 23°20'32 | 7♉39 | 2°45 | 3° 0 | 8°30 | 6° 0 | 18°48 | 1°22 | 3°19 | 21°28 | 23° 9 | 24°30 | 7°59 | 23°10 | M13 |
| T 14 | 17 32 50 | 24°18'09 | 19°33 | 2°22 | 2°26 | 9°14 | 5°53 | 18°53 | 1°24 | 3°17 | 21°28 | 23° 4 | 24°27 | 8° 5 | 23°14 | T 14 |
| W15 | 17 36 47 | 25°15'46 | 1♊23 | 1°55 | 1°51 | 9°57 | 5°46 | 18°57 | 1°26 | 3°16 | 21°27 | 22°59 | 24°24 | 8°12 | 23°17 | W15 |
| T 16 | 17 40 43 | 26°13'21 | 13°13 | 1°26 | 1°15 | 10°40 | 5°38 | 19° 2 | 1°28 | 3°14 | 21°27 | 22°55 | 24°21 | 8°19 | 23°21 | T 16 |
| F 17 | 17 44 40 | 27°10'56 | 25° 3 | 0°55 | 0°38 | 11°23 | 5°31 | 19° 6 | 1°30 | 3°12 | 21°26 | 22°52 | 24°18 | 8°25 | 23°24 | F 17 |
| S 18 | 17 48 36 | 28° 8'30 | 6♋57 | 0°23 | 0° 1 | 12° 6 | 5°23 | 19°10 | 1°32 | 3°11 | 21°26 | 22°49 | 24°15 | 8°32 | 23°27 | S 18 |
| S 19 | 17 52 33 | 29° 6'02 | 18°56 | 29♊49 | 29♊24 | 12°49 | 5°16 | 19°14 | 1°34 | 3° 9 | 21°25 | 22°D48 | 24°11 | 8°39 | 23°31 | S 19 |
| M20 | 17 56 30 | 0♌ 3'33 | 1♌ 3 | 29°16 | 28°46 | 13°32 | 5° 8 | 19°18 | 1°37 | 3° 8 | 21°25 | 22°48 | 24° 8 | 8°45 | 23°34 | M20 |
| T 21 | 18 0 26 | 1° 1'04 | 13°19 | 28°43 | 28° 9 | 14°15 | 5° 1 | 19°22 | 1°39 | 3° 6 | 21°25 | 22°50 | 24° 5 | 8°52 | 23°37 | T 21 |
| W22 | 18 4 23 | 1°58'33 | 25°48 | 28°10 | 27°32 | 14°58 | 4°53 | 19°26 | 1°41 | 3° 4 | 21°24 | 22°51 | 24° 2 | 8°59 | 23°40 | W22 |
| T 23 | 18 8 19 | 2°56'01 | 8♍32 | 27°39 | 26°55 | 15°41 | 4°45 | 19°29 | 1°43 | 3° 3 | 21°24 | 22°52 | 23°59 | 9° 5 | 23°43 | T 23 |
| F 24 | 18 12 16 | 3°53'28 | 21°35 | 27°10 | 26°20 | 16°23 | 4°38 | 19°33 | 1°46 | 3° 1 | 21°24 | 22°53 | 23°56 | 9°12 | 23°47 | F 24 |
| S 25 | 18 16 12 | 4°50'54 | 4♎59 | 26°44 | 25°46 | 17° 6 | 4°30 | 19°37 | 1°48 | 3° 0 | 21°24 | 22°R54 | 23°52 | 9°19 | 23°50 | S 25 |
| S 26 | 18 20 9 | 5°48'18 | 18°46 | 26°20 | 25°13 | 17°49 | 4°22 | 19°40 | 1°51 | 2°58 | 21°24 | 22°53 | 23°49 | 9°26 | 23°53 | S 26 |
| M27 | 18 24 5 | 6°45'42 | 2♏56 | 26° 0 | 24°41 | 18°31 | 4°15 | 19°44 | 1°53 | 2°56 | 21°23 | 22°52 | 23°46 | 9°32 | 23°56 | M27 |
| T 28 | 18 28 2 | 7°43'05 | 17°28 | 25°43 | 24°12 | 19°13 | 4° 7 | 19°47 | 1°55 | 2°55 | 21°23 | 22°51 | 23°43 | 9°39 | 23°59 | T 28 |
| W29 | 18 31 59 | 8°40'26 | 2♐18 | 25°30 | 23°44 | 19°56 | 3°59 | 19°50 | 1°58 | 2°53 | 21°23 | 22°49 | 23°40 | 9°46 | 24° 2 | W29 |
| T 30 | 18 35 55 | 9♋37'47 | 17♐19 | 25♊21 | 23♊18 | 20♈38 | 3♑52 | 19♈53 | 2♍ 1 | 2♑51 | 21♎23 | 22♋47 | 23♋36 | 9♊52 | 24♉ 5 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n 5 | 14s14 | 4n28 | 25n 1 | 1n43 | 26n14 | 3n 8 | 1s50 | 1s54 | 22s39 | 0n28 | 4n56 | 2s11 | 11n45 | 0n45 | 21s57 | 1n19 | 7n35 | 17n11 | 21n17 | 21n 0 | 17n30 | 15n55 | 2s27 |
| T 2 | 22 12 | 18 4 | 3 38 | 24 51 | 1 33 | 26 6 | 2 59 | 1 33 | 1 55 | 22 39 | 0 28 | 4 58 | 2 11 | 11 44 | 0 45 | 21 57 | 1 19 | 7 35 | 17 11 | 21 18 | 21 0 | 17 32 | 15 56 | 2 27 |
| F 3 | 22 20 | 20 39 | 2 32 | 24 39 | 1 23 | 25 57 | 2 50 | 1 16 | 1 56 | 22 40 | 0 28 | 5 0 | 2 12 | 11 44 | 0 45 | 21 57 | 1 19 | 7 35 | 17 10 | 21 19 | 21 1 | 17 33 | 15 57 | 2 27 |
| S 4 | 22 26 | 21 44 | 1 16 | 24 27 | 1 11 | 25 48 | 2 40 | 1 0 | 1 57 | 22 40 | 0 28 | 5 1 | 2 12 | 11 43 | 0 45 | 21 57 | 1 19 | 7 35 | 17 10 | 21 19 | 21 1 | 17 35 | 15 58 | 2 27 |
| S 5 | 22 33 | 21 16 | 0s 3 | 24 14 | 0 58 | 25 39 | 2 30 | 0 43 | 1 57 | 22 40 | 0 27 | 5 3 | 2 12 | 11 43 | 0 45 | 21 57 | 1 19 | 7 35 | 17 10 | 21 19 | 21 2 | 17 37 | 15 58 | 2 27 |
| M 6 | 22 39 | 19 25 | 1 20 | 24 0 | 0 44 | 25 29 | 2 19 | 0 27 | 1 58 | 22 41 | 0 27 | 5 5 | 2 12 | 11 42 | 0 45 | 21 57 | 1 19 | 7 35 | 17 9 | 21 19 | 21 2 | 17 38 | 15 59 | 2 27 |
| T 7 | 22 44 | 16 28 | 2 30 | 23 45 | 0 30 | 25 19 | 2 8 | 0 10 | 1 59 | 22 41 | 0 27 | 5 7 | 2 12 | 11 41 | 0 45 | 21 57 | 1 19 | 7 35 | 17 9 | 21 19 | 21 3 | 17 40 | 16 0 | 2 28 |
| W 8 | 22 49 | 12 43 | 3 30 | 23 30 | 0 15 | 25 9 | 1 57 | 0n 6 | 1 59 | 22 42 | 0 27 | 5 8 | 2 13 | 11 41 | 0 45 | 21 57 | 1 19 | 7 35 | 17 8 | 21 19 | 21 4 | 17 42 | 16 1 | 2 28 |
| T 9 | 22 54 | 8 29 | 4 17 | 23 14 | 0s 1 | 24 58 | 1 45 | 0 23 | 2 0 | 22 42 | 0 27 | 5 10 | 2 13 | 11 40 | 0 45 | 21 57 | 1 19 | 7 34 | 17 8 | 21 19 | 21 4 | 17 43 | 16 1 | 2 28 |
| F 10 | 22 58 | 3 59 | 4 49 | 22 58 | 0 18 | 24 46 | 1 32 | 0 39 | 2 0 | 22 43 | 0 27 | 5 11 | 2 13 | 11 40 | 0 45 | 21 57 | 1 19 | 7 34 | 17 7 | 21 19 | 21 5 | 17 45 | 16 2 | 2 28 |
| S 11 | 23 2 | 0n34 | 5 8 | 22 42 | 0 34 | 24 34 | 1 19 | 0 56 | 2 1 | 22 43 | 0 27 | 5 13 | 2 13 | 11 39 | 0 45 | 21 57 | 1 19 | 7 34 | 17 7 | 21 19 | 21 5 | 17 47 | 16 3 | 2 28 |
| S 12 | 23 6 | 5 1 | 5 12 | 22 25 | 0 52 | 24 22 | 1 6 | 1 12 | 2 2 | 22 44 | 0 27 | 5 15 | 2 13 | 11 38 | 0 45 | 21 57 | 1 19 | 7 34 | 17 6 | 21 20 | 21 6 | 17 48 | 16 4 | 2 28 |
| M13 | 23 9 | 9 13 | 5 3 | 22 8 | 1 9 | 24 9 | 0 53 | 1 29 | 2 2 | 22 44 | 0 27 | 5 16 | 2 14 | 11 38 | 0 45 | 21 57 | 1 19 | 7 34 | 17 6 | 21 20 | 21 6 | 17 50 | 16 4 | 2 28 |
| T 14 | 23 11 | 13 2 | 4 40 | 21 51 | 1 27 | 23 56 | 0 39 | 1 45 | 2 3 | 22 44 | 0 27 | 5 17 | 2 14 | 11 37 | 0 45 | 21 57 | 1 19 | 7 33 | 17 6 | 21 21 | 21 7 | 17 51 | 16 5 | 2 29 |
| W15 | 23 14 | 16 19 | 4 5 | 21 33 | 1 44 | 23 43 | 0 25 | 2 1 | 2 4 | 22 45 | 0 27 | 5 19 | 2 14 | 11 36 | 0 45 | 21 57 | 1 19 | 7 33 | 17 5 | 21 22 | 21 7 | 17 53 | 16 6 | 2 29 |
| T 16 | 23 16 | 18 57 | 3 20 | 21 17 | 2 2 | 23 29 | 0 11 | 2 18 | 2 4 | 22 45 | 0 26 | 5 20 | 2 14 | 11 35 | 0 45 | 21 57 | 1 19 | 7 33 | 17 5 | 21 23 | 21 8 | 17 55 | 16 6 | 2 29 |
| F 17 | 23 17 | 20 47 | 2 27 | 21 0 | 2 19 | 23 15 | 0s 3 | 2 34 | 2 5 | 22 46 | 0 26 | 5 22 | 2 15 | 11 35 | 0 45 | 21 57 | 1 19 | 7 33 | 17 4 | 21 23 | 21 9 | 17 56 | 16 7 | 2 29 |
| S 18 | 23 18 | 21 42 | 1 26 | 20 44 | 2 35 | 23 1 | 0 18 | 2 50 | 2 5 | 22 46 | 0 26 | 5 23 | 2 15 | 11 34 | 0 45 | 21 57 | 1 19 | 7 32 | 17 4 | 21 24 | 21 9 | 17 58 | 16 8 | 2 29 |
| S 19 | 23 19 | 21 38 | 0 21 | 20 28 | 2 51 | 22 47 | 0 32 | 3 6 | 2 6 | 22 46 | 0 26 | 5 24 | 2 15 | 11 33 | 0 44 | 21 57 | 1 19 | 7 32 | 17 3 | 21 24 | 21 10 | 18 0 | 16 8 | 2 29 |
| M20 | 23 19 | 20 33 | 0n45 | 20 13 | 3 6 | 22 32 | 0 46 | 3 22 | 2 6 | 22 47 | 0 26 | 5 26 | 2 15 | 11 32 | 0 44 | 21 57 | 1 19 | 7 32 | 17 3 | 21 24 | 21 10 | 18 1 | 16 9 | 2 29 |
| T 21 | 23 19 | 18 30 | 1 51 | 19 58 | 3 20 | 22 18 | 1 0 | 3 38 | 2 7 | 22 47 | 0 26 | 5 27 | 2 16 | 11 31 | 0 44 | 21 57 | 1 19 | 7 31 | 17 2 | 21 24 | 21 11 | 18 3 | 16 10 | 2 30 |
| W22 | 23 18 | 15 33 | 2 52 | 19 45 | 3 33 | 22 3 | 1 14 | 3 54 | 2 8 | 22 48 | 0 26 | 5 28 | 2 16 | 11 31 | 0 44 | 21 57 | 1 19 | 7 31 | 17 2 | 21 23 | 21 11 | 18 4 | 16 10 | 2 30 |
| T 23 | 23 17 | 11 49 | 3 46 | 19 33 | 3 45 | 21 49 | 1 28 | 4 10 | 2 8 | 22 48 | 0 26 | 5 29 | 2 16 | 11 30 | 0 44 | 21 57 | 1 19 | 7 31 | 17 1 | 21 23 | 21 12 | 18 6 | 16 11 | 2 30 |
| F 24 | 23 15 | 7 28 | 4 30 | 19 22 | 3 55 | 21 34 | 1 41 | 4 26 | 2 9 | 22 48 | 0 26 | 5 30 | 2 16 | 11 29 | 0 44 | 21 58 | 1 19 | 7 30 | 17 1 | 21 23 | 21 12 | 18 8 | 16 12 | 2 30 |
| S 25 | 23 13 | 2 38 | 5 1 | 19 12 | 4 4 | 21 20 | 1 54 | 4 42 | 2 9 | 22 49 | 0 25 | 5 31 | 2 16 | 11 28 | 0 44 | 21 58 | 1 19 | 7 30 | 17 0 | 21 23 | 21 13 | 18 9 | 16 12 | 2 30 |
| S 26 | 23 11 | 2s27 | 5 15 | 19 4 | 4 12 | 21 7 | 2 7 | 4 57 | 2 10 | 22 49 | 0 25 | 5 33 | 2 17 | 11 27 | 0 44 | 21 58 | 1 19 | 7 29 | 17 0 | 21 23 | 21 14 | 18 11 | 16 13 | 2 30 |
| M27 | 23 8 | 7 33 | 5 11 | 18 57 | 4 19 | 20 53 | 2 19 | 5 13 | 2 10 | 22 50 | 0 25 | 5 34 | 2 17 | 11 26 | 0 44 | 21 58 | 1 19 | 7 29 | 16 59 | 21 23 | 21 14 | 18 13 | 16 13 | 2 31 |
| T 28 | 23 5 | 12 21 | 4 48 | 18 51 | 4 24 | 20 40 | 2 31 | 5 28 | 2 10 | 22 50 | 0 25 | 5 35 | 2 17 | 11 25 | 0 44 | 21 58 | 1 19 | 7 28 | 16 59 | 21 23 | 21 15 | 18 14 | 16 14 | 2 31 |
| W29 | 23 2 | 16 31 | 4 4 | 18 47 | 4 27 | 20 27 | 2 43 | 5 44 | 2 11 | 22 50 | 0 25 | 5 36 | 2 17 | 11 24 | 0 44 | 21 58 | 1 19 | 7 28 | 16 58 | 21 24 | 21 15 | 18 16 | 16 14 | 2 31 |
| T 30 | 22n58 | 19s39 | 3n 4 | 18n44 | 4s30 | 20n15 | 2s54 | 5n59 | 2s11 | 22s51 | 0n25 | 5n36 | 2s18 | 11n23 | 0n44 | 21s58 | 1n19 | 7n28 | 16n57 | 21n24 | 21n16 | 18n17 | 16n15 | 2s31 |

Julian Day Number = 2805251.5, Delta T = 51m30s
Ecliptic obliquity = 23°18'45, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'46, Lahiri = 37°24'47


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# ASTRODIENST EPHEMERIS for the year 2968
# geocentric

## JULY 2968 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 39 52 | 10♋35'08 | 2♑22 | 25°R16 | 22°R54 | 21♈20 | 3°R44 | 19♈56 | 2♍ 3 | 2°R50 | 21°D23 | 22°R46 | 23♋33 | 9♊59 | 24♉ 8 | F 1 |
| S 2 | 18 43 48 | 11°32'27 | 17°20 | 25°D16 | 22♊32 | 22° 3 | 3♑37 | 19°59 | 2° 6 | 2♑48 | 21♎23 | 22°D46 | 23°30 | 10° 6 | 24°11 | S 2 |
| S 3 | 18 47 45 | 12°29'46 | 2♒ 3 | 25♊21 | 22°13 | 22°45 | 3°29 | 20° 2 | 2° 9 | 2°47 | 21°23 | 22♋46 | 23°27 | 10°12 | 24°13 | S 3 |
| M 4 | 18 51 41 | 13°27'05 | 16°26 | 25°30 | 21°55 | 23°27 | 3°22 | 20° 5 | 2°11 | 2°45 | 21°23 | 22°46 | 23°24 | 10°19 | 24°16 | M 4 |
| T 5 | 18 55 38 | 14°24'23 | 0♓25 | 25°43 | 21°41 | 24° 9 | 3°14 | 20° 7 | 2°14 | 2°43 | 21°23 | 22°47 | 23°21 | 10°26 | 24°19 | T 5 |
| W 6 | 18 59 35 | 15°21'40 | 13°57 | 26° 2 | 21°28 | 24°51 | 3° 7 | 20°10 | 2°17 | 2°42 | 21°24 | 22°48 | 23°17 | 10°32 | 24°22 | W 6 |
| T 7 | 19 3 31 | 16°18'58 | 27° 4 | 26°25 | 21°18 | 25°32 | 3° 0 | 20°12 | 2°20 | 2°40 | 21°24 | 22°48 | 23°14 | 10°39 | 24°24 | T 7 |
| F 8 | 19 7 28 | 17°16'15 | 9♈48 | 26°53 | 21°11 | 26°14 | 2°52 | 20°15 | 2°22 | 2°39 | 21°24 | 22°49 | 23°11 | 10°46 | 24°27 | F 8 |
| S 9 | 19 11 24 | 18°13'32 | 22°13 | 27°25 | 21° 5 | 26°56 | 2°45 | 20°17 | 2°25 | 2°37 | 21°24 | 22°R49 | 23° 8 | 10°52 | 24°30 | S 9 |
| S 10 | 19 15 21 | 19°10'49 | 4♉22 | 28° 2 | 21° 3 | 27°37 | 2°38 | 20°19 | 2°28 | 2°36 | 21°25 | 22°49 | 23° 5 | 10°59 | 24°32 | S 10 |
| M11 | 19 19 17 | 20° 8'06 | 16°20 | 28°43 | 21°D 2 | 28°18 | 2°31 | 20°21 | 2°31 | 2°34 | 21°25 | 22°48 | 23° 1 | 11° 6 | 24°35 | M11 |
| T 12 | 19 23 14 | 21° 5'23 | 28°12 | 29°28 | 21° 4 | 29° 0 | 2°24 | 20°23 | 2°34 | 2°33 | 21°25 | 22°48 | 22°58 | 11°12 | 24°37 | T 12 |
| W13 | 19 27 10 | 22° 2'40 | 10♊ 2 | 0♋18 | 21° 8 | 29°41 | 2°17 | 20°25 | 2°37 | 2°31 | 21°26 | 22°48 | 22°55 | 11°19 | 24°40 | W13 |
| T 14 | 19 31 7 | 22°59'57 | 21°52 | 1°13 | 21°15 | 0♉22 | 2°11 | 20°27 | 2°40 | 2°30 | 21°26 | 22°D48 | 22°52 | 11°26 | 24°42 | T 14 |
| F 15 | 19 35 4 | 23°57'14 | 3♋46 | 2°11 | 21°23 | 1° 3 | 2° 4 | 20°29 | 2°43 | 2°28 | 21°27 | 22°48 | 22°49 | 11°32 | 24°45 | F 15 |
| S 16 | 19 39 0 | 24°54'31 | 15°47 | 3°14 | 21°34 | 1°44 | 1°57 | 20°31 | 2°47 | 2°27 | 21°27 | 22°48 | 22°46 | 11°39 | 24°47 | S 16 |
| S 17 | 19 42 57 | 25°51'47 | 27°57 | 4°20 | 21°47 | 2°25 | 1°51 | 20°32 | 2°50 | 2°25 | 21°28 | 22°R48 | 22°42 | 11°46 | 24°49 | S 17 |
| M18 | 19 46 53 | 26°49'04 | 10♌18 | 5°31 | 22° 1 | 3° 5 | 1°45 | 20°33 | 2°53 | 2°24 | 21°28 | 22°48 | 22°39 | 11°52 | 24°51 | M18 |
| T 19 | 19 50 50 | 27°46'20 | 22°50 | 6°46 | 22°18 | 3°46 | 1°38 | 20°35 | 2°56 | 2°22 | 21°29 | 22°48 | 22°36 | 11°59 | 24°54 | T 19 |
| W20 | 19 54 46 | 28°43'36 | 5♍35 | 8° 5 | 22°37 | 4°26 | 1°32 | 20°36 | 2°59 | 2°21 | 21°29 | 22°47 | 22°33 | 12° 6 | 24°56 | W20 |
| T 21 | 19 58 43 | 29°40'52 | 18°35 | 9°27 | 22°57 | 5° 7 | 1°26 | 20°37 | 3° 2 | 2°20 | 21°30 | 22°46 | 22°30 | 12°13 | 24°58 | T 21 |
| F 22 | 20 2 39 | 0♌38'07 | 1♎49 | 10°54 | 23°19 | 5°47 | 1°20 | 20°38 | 3° 6 | 2°18 | 21°31 | 22°45 | 22°27 | 12°19 | 25° 0 | F 22 |
| S 23 | 20 6 36 | 1°35'23 | 15°20 | 12°24 | 23°43 | 6°27 | 1°14 | 20°39 | 3° 9 | 2°17 | 21°31 | 22°45 | 22°23 | 12°26 | 25° 2 | S 23 |
| S 24 | 20 10 33 | 2°32'38 | 29° 6 | 13°58 | 24° 8 | 7° 7 | 1° 9 | 20°40 | 3°12 | 2°15 | 21°32 | 22°D44 | 22°20 | 12°33 | 25° 4 | S 24 |
| M25 | 20 14 29 | 3°29'53 | 13♏ 9 | 15°36 | 24°35 | 7°46 | 1° 3 | 20°41 | 3°16 | 2°14 | 21°33 | 22°44 | 22°17 | 12°39 | 25° 6 | M25 |
| T 26 | 20 18 26 | 4°27'08 | 27°26 | 17°17 | 25° 3 | 8°26 | 0°58 | 20°41 | 3°19 | 2°13 | 21°34 | 22°45 | 22°14 | 12°46 | 25° 8 | T 26 |
| W27 | 20 22 22 | 5°24'22 | 11♐55 | 19° 1 | 25°33 | 9° 5 | 0°53 | 20°42 | 3°22 | 2°11 | 21°35 | 22°46 | 22°11 | 12°53 | 25° 9 | W27 |
| T 28 | 20 26 19 | 6°21'37 | 26°32 | 20°49 | 26° 5 | 9°45 | 0°48 | 20°42 | 3°26 | 2°10 | 21°36 | 22°47 | 22° 7 | 12°59 | 25°11 | T 28 |
| F 29 | 20 30 15 | 7°18'52 | 11♑13 | 22°40 | 26°37 | 10°24 | 0°43 | 20°42 | 3°29 | 2° 9 | 21°36 | 22°48 | 22° 4 | 13° 6 | 25°13 | F 29 |
| S 30 | 20 34 12 | 8°16'07 | 25°51 | 24°34 | 27°11 | 11° 3 | 0°38 | 20°43 | 3°33 | 2° 8 | 21°37 | 22°R48 | 22° 1 | 13°13 | 25°15 | S 30 |
| S 31 | 20 38 8 | 9♌13'22 | 10♒21 | 26♋30 | 27♊47 | 11♉42 | 0♑34 | 20♈43 | 3♍36 | 2♑ 6 | 21♎38 | 22♋47 | 21♋58 | 13♊19 | 25♉16 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n54 | 21s27 | 1n51 | 18n43 | 4s31 | 20n 3 | 3s 4 | 6n14 | 2s12 | 22s51 | 0n25 | 5n37 | 2s18 | 11n23 | 0n44 | 21s58 | 1n19 | 7n27 | 16n57 | 21n24 | 21n16 | 18n19 | 16n16 | 2s31 |
| S 2 | 22 49 | 21 42 | 0 30 | 18 43 | 4 30 | 19 52 | 3 14 | 6 30 | 2 12 | 22 51 | 0 24 | 5 38 | 2 18 | 11 22 | 0 44 | 21 58 | 1 19 | 7 27 | 16 56 | 21 24 | 21 17 | 18 20 | 16 16 | 2 31 |
| S 3 | 22 44 | 20 26 | 0s51 | 18 45 | 4 29 | 19 42 | 3 24 | 6 45 | 2 13 | 22 52 | 0 24 | 5 39 | 2 19 | 11 21 | 0 44 | 21 58 | 1 19 | 7 26 | 16 56 | 21 24 | 21 17 | 18 22 | 16 17 | 2 32 |
| M 4 | 22 38 | 17 51 | 2 8 | 18 48 | 4 26 | 19 32 | 3 33 | 7 0 | 2 13 | 22 52 | 0 24 | 5 40 | 2 19 | 11 20 | 0 44 | 21 58 | 1 19 | 7 26 | 16 55 | 21 24 | 21 18 | 18 24 | 16 17 | 2 32 |
| T 5 | 22 32 | 14 18 | 3 14 | 18 52 | 4 23 | 19 23 | 3 41 | 7 15 | 2 13 | 22 52 | 0 24 | 5 41 | 2 19 | 11 19 | 0 44 | 21 58 | 1 19 | 7 25 | 16 55 | 21 24 | 21 18 | 18 25 | 16 18 | 2 32 |
| W 6 | 22 26 | 10 5 | 4 7 | 18 57 | 4 18 | 19 14 | 3 49 | 7 30 | 2 14 | 22 53 | 0 24 | 5 41 | 2 19 | 11 18 | 0 44 | 21 58 | 1 19 | 7 24 | 16 54 | 21 24 | 21 19 | 18 27 | 16 18 | 2 32 |
| T 7 | 22 19 | 5 32 | 4 46 | 19 4 | 4 12 | 19 6 | 3 56 | 7 44 | 2 14 | 22 53 | 0 24 | 5 42 | 2 20 | 11 17 | 0 44 | 21 58 | 1 19 | 7 24 | 16 54 | 21 24 | 21 19 | 18 28 | 16 19 | 2 32 |
| F 8 | 22 12 | 0 53 | 5 9 | 19 11 | 4 6 | 18 59 | 4 3 | 7 59 | 2 15 | 22 53 | 0 24 | 5 43 | 2 20 | 11 15 | 0 44 | 21 58 | 1 19 | 7 23 | 16 53 | 21 24 | 21 20 | 18 30 | 16 19 | 2 33 |
| S 9 | 22 5 | 3n41 | 5 17 | 19 19 | 3 58 | 18 52 | 4 9 | 8 13 | 2 15 | 22 54 | 0 23 | 5 43 | 2 20 | 11 14 | 0 44 | 21 58 | 1 19 | 7 23 | 16 53 | 21 24 | 21 21 | 18 31 | 16 19 | 2 33 |
| S 10 | 21 57 | 8 1 | 5 11 | 19 28 | 3 50 | 18 46 | 4 15 | 8 28 | 2 15 | 22 54 | 0 23 | 5 44 | 2 20 | 11 13 | 0 44 | 21 58 | 1 19 | 7 22 | 16 52 | 21 24 | 21 21 | 18 33 | 16 20 | 2 33 |
| M11 | 21 49 | 11 59 | 4 51 | 19 37 | 3 41 | 18 41 | 4 20 | 8 42 | 2 16 | 22 54 | 0 23 | 5 44 | 2 21 | 11 12 | 0 44 | 21 58 | 1 19 | 7 22 | 16 52 | 21 24 | 21 22 | 18 35 | 16 20 | 2 33 |
| T 12 | 21 40 | 15 27 | 4 19 | 19 47 | 3 32 | 18 36 | 4 25 | 8 56 | 2 16 | 22 54 | 0 23 | 5 45 | 2 21 | 11 11 | 0 44 | 21 58 | 1 19 | 7 21 | 16 51 | 21 24 | 21 22 | 18 36 | 16 21 | 2 33 |
| W13 | 21 31 | 18 17 | 3 36 | 19 57 | 3 22 | 18 32 | 4 29 | 9 11 | 2 16 | 22 55 | 0 23 | 5 45 | 2 21 | 11 10 | 0 44 | 21 58 | 1 19 | 7 20 | 16 51 | 21 24 | 21 23 | 18 38 | 16 21 | 2 34 |
| T 14 | 21 22 | 20 21 | 2 43 | 20 8 | 3 11 | 18 29 | 4 33 | 9 25 | 2 16 | 22 55 | 0 23 | 5 46 | 2 21 | 11 9 | 0 44 | 21 58 | 1 19 | 7 20 | 16 50 | 21 24 | 21 23 | 18 39 | 16 21 | 2 34 |
| F 15 | 21 12 | 21 32 | 1 44 | 20 18 | 3 0 | 18 26 | 4 37 | 9 38 | 2 17 | 22 55 | 0 23 | 5 46 | 2 22 | 11 8 | 0 44 | 21 59 | 1 19 | 7 19 | 16 50 | 21 24 | 21 24 | 18 41 | 16 22 | 2 34 |
| S 16 | 21 2 | 21 44 | 0 39 | 20 28 | 2 48 | 18 23 | 4 40 | 9 52 | 2 17 | 22 55 | 0 22 | 5 46 | 2 22 | 11 7 | 0 44 | 21 59 | 1 19 | 7 18 | 16 49 | 21 24 | 21 24 | 18 42 | 16 22 | 2 34 |
| S 17 | 20 52 | 20 56 | 0n29 | 20 38 | 2 36 | 18 22 | 4 42 | 10 6 | 2 17 | 22 56 | 0 22 | 5 47 | 2 22 | 11 6 | 0 44 | 21 59 | 1 19 | 7 18 | 16 49 | 21 24 | 21 25 | 18 44 | 16 23 | 2 34 |
| M18 | 20 41 | 19 6 | 1 36 | 20 48 | 2 24 | 18 20 | 4 45 | 10 19 | 2 17 | 22 56 | 0 22 | 5 47 | 2 23 | 11 4 | 0 44 | 21 59 | 1 19 | 7 17 | 16 48 | 21 24 | 21 25 | 18 45 | 16 23 | 2 35 |
| T 19 | 20 30 | 16 20 | 2 39 | 20 57 | 2 11 | 18 19 | 4 47 | 10 33 | 2 18 | 22 56 | 0 22 | 5 47 | 2 23 | 11 3 | 0 44 | 21 59 | 1 19 | 7 16 | 16 48 | 21 24 | 21 26 | 18 47 | 16 23 | 2 35 |
| W20 | 20 18 | 12 46 | 3 36 | 21 6 | 1 58 | 18 19 | 4 48 | 10 46 | 2 18 | 22 56 | 0 22 | 5 48 | 2 23 | 11 2 | 0 44 | 21 59 | 1 19 | 7 16 | 16 47 | 21 24 | 21 26 | 18 48 | 16 23 | 2 35 |
| T 21 | 20 7 | 8 31 | 4 22 | 21 13 | 1 45 | 18 18 | 4 50 | 10 59 | 2 18 | 22 57 | 0 22 | 5 48 | 2 23 | 11 1 | 0 44 | 21 59 | 1 19 | 7 15 | 16 46 | 21 24 | 21 27 | 18 50 | 16 24 | 2 35 |
| F 22 | 19 54 | 3 49 | 4 56 | 21 20 | 1 32 | 18 19 | 4 50 | 11 12 | 2 18 | 22 57 | 0 21 | 5 48 | 2 24 | 11 0 | 0 44 | 21 59 | 1 19 | 7 14 | 16 46 | 21 24 | 21 27 | 18 51 | 16 24 | 2 35 |
| S 23 | 19 42 | 1s10 | 5 14 | 21 25 | 1 19 | 18 19 | 4 51 | 11 25 | 2 18 | 22 57 | 0 21 | 5 48 | 2 24 | 10 58 | 0 44 | 21 59 | 1 19 | 7 13 | 16 45 | 21 24 | 21 28 | 18 53 | 16 24 | 2 36 |
| S 24 | 19 29 | 6 11 | 5 15 | 21 29 | 1 6 | 18 20 | 4 51 | 11 38 | 2 18 | 22 57 | 0 21 | 5 48 | 2 24 | 10 57 | 0 44 | 21 59 | 1 19 | 7 13 | 16 45 | 21 24 | 21 28 | 18 55 | 16 25 | 2 36 |
| M25 | 19 16 | 10 58 | 4 57 | 21 32 | 0 53 | 18 21 | 4 52 | 11 51 | 2 18 | 22 58 | 0 21 | 5 48 | 2 24 | 10 56 | 0 44 | 21 59 | 1 19 | 7 12 | 16 44 | 21 24 | 21 29 | 18 56 | 16 25 | 2 36 |
| T 26 | 19 3 | 15 15 | 4 21 | 21 32 | 0 40 | 18 22 | 4 51 | 12 3 | 2 18 | 22 58 | 0 21 | 5 48 | 2 25 | 10 55 | 0 44 | 21 59 | 1 19 | 7 11 | 16 44 | 21 24 | 21 29 | 18 58 | 16 25 | 2 36 |
| W27 | 18 49 | 18 40 | 3 28 | 21 31 | 0 27 | 18 24 | 4 51 | 12 16 | 2 19 | 22 58 | 0 21 | 5 48 | 2 25 | 10 54 | 0 44 | 21 59 | 1 19 | 7 10 | 16 43 | 21 24 | 21 30 | 18 59 | 16 25 | 2 36 |
| T 28 | 18 35 | 20 56 | 2 20 | 21 28 | 0 15 | 18 25 | 4 50 | 12 28 | 2 19 | 22 58 | 0 21 | 5 48 | 2 25 | 10 52 | 0 44 | 21 59 | 1 19 | 7 10 | 16 43 | 21 24 | 21 30 | 19 1 | 16 25 | 2 37 |
| F 29 | 18 21 | 21 47 | 1 4 | 21 22 | 0 3 | 18 27 | 4 49 | 12 40 | 2 19 | 22 58 | 0 20 | 5 48 | 2 26 | 10 51 | 0 44 | 21 59 | 1 18 | 7 9 | 16 42 | 21 24 | 21 31 | 19 2 | 16 26 | 2 37 |
| S 30 | 18 6 | 21 8 | 0s17 | 21 15 | 0n 9 | 18 29 | 4 48 | 12 52 | 2 19 | 22 58 | 0 20 | 5 47 | 2 26 | 10 50 | 0 44 | 21 59 | 1 18 | 7 8 | 16 42 | 21 24 | 21 31 | 19 4 | 16 26 | 2 37 |
| S 31 | 17n51 | 19s 5 | 1s36 | 21n 4 | 0n20 | 18n31 | 4s47 | 13n 4 | 2s19 | 22s59 | 0n20 | 5n47 | 2s26 | 10n49 | 0n43 | 21s59 | 1n18 | 7n 7 | 16n41 | 21n24 | 21n32 | 19n 5 | 16n26 | 2s37 |

Julian Day Number = 2805281.5, Delta T = 51m30s
Ecliptic obliquity = 23°18'45, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'50, Lahiri = 37°24'51


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# ASTRODIENST EPHEMERIS for the year 2968
# geocentric

## AUGUST 2968 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 42 5 | 10♌10'37 | 24♒35 | 28♋29 | 28♊23 | 12♉21 | 0°R29 | 20°R43 | 3♍40 | 2°R 5 | 21♎39 | 22°R46 | 21♋55 | 13♊26 | 25♉18 | M 1 |
| T 2 | 20 46 2 | 11° 7'53 | 8♓30 | 0♌30 | 29° 1 | 12°59 | 0♑25 | 20♈43 | 3°43 | 2♑ 4 | 21°40 | 22♋44 | 21°52 | 13°33 | 25°19 | T 2 |
| W 3 | 20 49 58 | 12° 5'09 | 22° 2 | 2°33 | 29°40 | 13°38 | 0°21 | 20°42 | 3°47 | 2° 3 | 21°41 | 22°41 | 21°48 | 13°39 | 25°21 | W 3 |
| T 4 | 20 53 55 | 13° 2'26 | 5♈11 | 4°37 | 0♋20 | 14°16 | 0°17 | 20°42 | 3°50 | 2° 2 | 21°43 | 22°38 | 21°45 | 13°46 | 25°22 | T 4 |
| F 5 | 20 57 51 | 13°59'43 | 17°58 | 6°43 | 1° 1 | 14°54 | 0°13 | 20°42 | 3°54 | 2° 1 | 21°44 | 22°36 | 21°42 | 13°53 | 25°24 | F 5 |
| S 6 | 21 1 48 | 14°57'01 | 0♉25 | 8°50 | 1°43 | 15°32 | 0° 9 | 20°41 | 3°57 | 2° 0 | 21°45 | 22°34 | 21°39 | 13°59 | 25°25 | S 6 |
| S 7 | 21 5 44 | 15°54'20 | 12°36 | 10°57 | 2°26 | 16°10 | 0° 6 | 20°41 | 4° 1 | 1°59 | 21°46 | 22°D33 | 21°36 | 14° 6 | 25°26 | S 7 |
| M 8 | 21 9 41 | 16°51'40 | 24°35 | 13° 4 | 3°10 | 16°47 | 0° 3 | 20°40 | 4° 5 | 1°58 | 21°47 | 22°34 | 21°33 | 14°13 | 25°27 | M 8 |
| T 9 | 21 13 37 | 17°49'00 | 6♊27 | 15°12 | 3°55 | 17°25 | 29♗59 | 20°39 | 4° 8 | 1°57 | 21°48 | 22°35 | 21°29 | 14°19 | 25°28 | T 9 |
| W10 | 21 17 34 | 18°46'22 | 18°17 | 17°19 | 4°40 | 18° 2 | 29°56 | 20°38 | 4°12 | 1°56 | 21°50 | 22°36 | 21°26 | 14°26 | 25°29 | W10 |
| T 11 | 21 21 31 | 19°43'44 | 0♋ 9 | 19°26 | 5°27 | 18°39 | 29°54 | 20°37 | 4°15 | 1°55 | 21°51 | 22°38 | 21°23 | 14°33 | 25°31 | T 11 |
| F 12 | 21 25 27 | 20°41'07 | 12° 8 | 21°32 | 6°14 | 19°16 | 29°51 | 20°36 | 4°19 | 1°54 | 21°52 | 22°39 | 21°20 | 14°39 | 25°32 | F 12 |
| S 13 | 21 29 24 | 21°38'32 | 24°17 | 23°37 | 7° 2 | 19°52 | 29°49 | 20°35 | 4°23 | 1°53 | 21°54 | 22°R40 | 21°17 | 14°46 | 25°32 | S 13 |
| S 14 | 21 33 20 | 22°35'56 | 6♌38 | 25°41 | 7°51 | 20°28 | 29°46 | 20°34 | 4°26 | 1°52 | 21°55 | 22°39 | 21°13 | 14°53 | 25°33 | S 14 |
| M15 | 21 37 17 | 23°33'22 | 19°15 | 27°44 | 8°41 | 21° 5 | 29°44 | 20°32 | 4°30 | 1°51 | 21°57 | 22°37 | 21°10 | 14°59 | 25°34 | M15 |
| T 16 | 21 41 13 | 24°30'48 | 2♍ 7 | 29°45 | 9°31 | 21°40 | 29°42 | 20°31 | 4°34 | 1°50 | 21°58 | 22°33 | 21° 7 | 15° 6 | 25°35 | T 16 |
| W17 | 21 45 10 | 25°28'16 | 15°15 | 1♍45 | 10°22 | 22°16 | 29°41 | 20°29 | 4°37 | 1°49 | 21°59 | 22°28 | 21° 4 | 15°13 | 25°36 | W17 |
| T 18 | 21 49 6 | 26°25'43 | 28°37 | 3°44 | 11°13 | 22°52 | 29°39 | 20°28 | 4°41 | 1°49 | 22° 1 | 22°23 | 21° 1 | 15°19 | 25°36 | T 18 |
| F 19 | 21 53 3 | 27°23'12 | 12♎13 | 5°41 | 12° 5 | 23°27 | 29°38 | 20°26 | 4°45 | 1°48 | 22° 2 | 22°18 | 20°58 | 15°26 | 25°37 | F 19 |
| S 20 | 21 57 0 | 28°20'41 | 26° 0 | 7°37 | 12°58 | 24° 2 | 29°37 | 20°24 | 4°49 | 1°47 | 22° 4 | 22°13 | 20°54 | 15°33 | 25°37 | S 20 |
| S 21 | 22 0 56 | 29°18'11 | 9♏56 | 9°31 | 13°52 | 24°36 | 29°36 | 20°22 | 4°52 | 1°46 | 22° 6 | 22°10 | 20°51 | 15°39 | 25°38 | S 21 |
| M22 | 22 4 53 | 0♍15'42 | 23°59 | 11°24 | 14°45 | 25°11 | 29°35 | 20°20 | 4°56 | 1°46 | 22° 7 | 22°D 9 | 20°48 | 15°46 | 25°38 | M22 |
| T 23 | 22 8 49 | 1°13'13 | 8♐ 9 | 13°15 | 15°40 | 25°45 | 29°34 | 20°18 | 5° 0 | 1°45 | 22° 9 | 22° 9 | 20°45 | 15°53 | 25°39 | T 23 |
| W24 | 22 12 46 | 2°10'45 | 22°22 | 15° 5 | 16°35 | 26°19 | 29°34 | 20°15 | 5° 3 | 1°44 | 22°10 | 22°10 | 20°42 | 15°59 | 25°39 | W24 |
| T 25 | 22 16 42 | 3° 8'18 | 6♑38 | 16°53 | 17°30 | 26°53 | 29°34 | 20°13 | 5° 7 | 1°44 | 22°12 | 22°11 | 20°39 | 16° 6 | 25°39 | T 25 |
| F 26 | 22 20 39 | 4° 5'52 | 20°53 | 18°39 | 18°26 | 27°26 | 29°D34 | 20°11 | 5°11 | 1°43 | 22°14 | 22°R12 | 20°35 | 16°13 | 25°39 | F 26 |
| S 27 | 22 24 35 | 5° 3'26 | 5♒ 5 | 20°24 | 19°23 | 27°59 | 29°34 | 20° 8 | 5°15 | 1°43 | 22°15 | 22°11 | 20°32 | 16°19 | 25°39 | S 27 |
| S 28 | 22 28 32 | 6° 1'01 | 19°11 | 22° 8 | 20°20 | 28°32 | 29°34 | 20° 6 | 5°18 | 1°42 | 22°17 | 22° 8 | 20°29 | 16°26 | 25°40 | S 28 |
| M29 | 22 32 29 | 6°58'38 | 3♓ 5 | 23°50 | 21°17 | 29° 4 | 29°35 | 20° 3 | 5°22 | 1°42 | 22°19 | 22° 4 | 20°26 | 16°33 | 25°R40 | M29 |
| T 30 | 22 36 25 | 7°56'15 | 16°46 | 25°30 | 22°15 | 29°37 | 29°36 | 20° 0 | 5°26 | 1°41 | 22°21 | 21°57 | 20°23 | 16°39 | 25°40 | T 30 |
| W31 | 22 40 22 | 8♍53'54 | 0♈ 8 | 27♍ 9 | 23♋13 | 0♊ 9 | 29♗36 | 19♈57 | 5♍30 | 1♑41 | 22♎22 | 21♋50 | 20♋19 | 16♊46 | 25♉39 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n36 | 15s53 | 2s47 | 20n52 | 0n31 | 18n33 | 4s45 | 13n15 | 2s19 | 22s59 | 0n20 | 5n47 | 2s26 | 10n47 | 0n43 | 21s59 | 1n18 | 7n 6 | 16n41 | 21n24 | 21n32 | 19n 6 | 16n26 | 2s38 |
| T 2 | 17 21 | 11 50 | 3 46 | 20 36 | 0 41 | 18 35 | 4 43 | 13 27 | 2 19 | 22 59 | 0 20 | 5 47 | 2 27 | 10 46 | 0 43 | 21 59 | 1 18 | 7 6 | 16 40 | 21 25 | 21 33 | 19 8 | 16 26 | 2 38 |
| W 3 | 17 5 | 7 18 | 4 31 | 20 19 | 0 51 | 18 37 | 4 41 | 13 38 | 2 19 | 22 59 | 0 20 | 5 46 | 2 27 | 10 45 | 0 43 | 22 0 | 1 18 | 7 5 | 16 40 | 21 25 | 21 33 | 19 9 | 16 26 | 2 38 |
| T 4 | 16 49 | 2 33 | 5 1 | 19 58 | 1 0 | 18 40 | 4 39 | 13 50 | 2 19 | 22 59 | 0 19 | 5 46 | 2 27 | 10 43 | 0 43 | 22 0 | 1 18 | 7 4 | 16 39 | 21 25 | 21 34 | 19 11 | 16 27 | 2 38 |
| F 5 | 16 32 | 2n10 | 5 14 | 19 35 | 1 8 | 18 42 | 4 37 | 14 1 | 2 19 | 23 0 | 0 19 | 5 46 | 2 27 | 10 42 | 0 43 | 22 0 | 1 18 | 7 3 | 16 39 | 21 26 | 21 34 | 19 12 | 16 27 | 2 38 |
| S 6 | 16 16 | 6 41 | 5 12 | 19 10 | 1 15 | 18 44 | 4 34 | 14 12 | 2 18 | 23 0 | 0 19 | 5 45 | 2 28 | 10 41 | 0 43 | 22 0 | 1 18 | 7 2 | 16 39 | 21 26 | 21 35 | 19 14 | 16 27 | 2 39 |
| S 7 | 15 59 | 10 50 | 4 56 | 18 42 | 1 22 | 18 46 | 4 32 | 14 23 | 2 18 | 23 0 | 0 19 | 5 45 | 2 28 | 10 40 | 0 43 | 22 0 | 1 18 | 7 1 | 16 38 | 21 26 | 21 35 | 19 15 | 16 27 | 2 39 |
| M 8 | 15 42 | 14 29 | 4 27 | 18 12 | 1 27 | 18 48 | 4 29 | 14 33 | 2 18 | 23 0 | 0 19 | 5 44 | 2 28 | 10 38 | 0 43 | 22 0 | 1 18 | 7 1 | 16 38 | 21 26 | 21 36 | 19 17 | 16 27 | 2 39 |
| T 9 | 15 25 | 17 32 | 3 47 | 17 40 | 1 32 | 18 49 | 4 26 | 14 44 | 2 18 | 23 0 | 0 19 | 5 44 | 2 28 | 10 37 | 0 43 | 22 0 | 1 18 | 7 0 | 16 37 | 21 26 | 21 36 | 19 18 | 16 27 | 2 39 |
| W10 | 15 7 | 19 51 | 2 58 | 17 6 | 1 37 | 18 51 | 4 23 | 14 54 | 2 18 | 23 0 | 0 18 | 5 43 | 2 29 | 10 36 | 0 43 | 22 0 | 1 18 | 6 59 | 16 37 | 21 26 | 21 37 | 19 20 | 16 27 | 2 40 |
| T 11 | 14 49 | 21 18 | 2 1 | 16 30 | 1 40 | 18 52 | 4 20 | 15 4 | 2 18 | 23 1 | 0 18 | 5 42 | 2 29 | 10 34 | 0 43 | 22 0 | 1 18 | 6 58 | 16 36 | 21 25 | 21 37 | 19 21 | 16 27 | 2 40 |
| F 12 | 14 31 | 21 48 | 0 58 | 15 52 | 1 42 | 18 54 | 4 17 | 15 14 | 2 18 | 23 1 | 0 18 | 5 42 | 2 29 | 10 33 | 0 43 | 22 0 | 1 18 | 6 57 | 16 36 | 21 25 | 21 38 | 19 23 | 16 27 | 2 40 |
| S 13 | 14 13 | 21 18 | 0n 9 | 15 13 | 1 44 | 18 55 | 4 13 | 15 24 | 2 17 | 23 1 | 0 18 | 5 41 | 2 30 | 10 32 | 0 43 | 22 0 | 1 18 | 6 56 | 16 35 | 21 25 | 21 38 | 19 24 | 16 27 | 2 40 |
| S 14 | 13 55 | 19 44 | 1 16 | 14 33 | 1 45 | 18 56 | 4 10 | 15 34 | 2 17 | 23 1 | 0 18 | 5 40 | 2 30 | 10 30 | 0 43 | 22 0 | 1 18 | 6 55 | 16 35 | 21 25 | 21 39 | 19 25 | 16 27 | 2 41 |
| M15 | 13 36 | 17 12 | 2 20 | 13 51 | 1 46 | 18 56 | 4 6 | 15 44 | 2 17 | 23 1 | 0 18 | 5 40 | 2 30 | 10 29 | 0 43 | 22 0 | 1 18 | 6 54 | 16 34 | 21 26 | 21 39 | 19 27 | 16 27 | 2 41 |
| T 16 | 13 17 | 13 46 | 3 19 | 13 9 | 1 45 | 18 57 | 4 2 | 15 53 | 2 17 | 23 1 | 0 17 | 5 39 | 2 30 | 10 28 | 0 43 | 22 0 | 1 18 | 6 53 | 16 34 | 21 26 | 21 40 | 19 28 | 16 27 | 2 41 |
| W17 | 12 58 | 9 36 | 4 8 | 12 25 | 1 44 | 18 57 | 3 58 | 16 3 | 2 16 | 23 2 | 0 17 | 5 38 | 2 31 | 10 26 | 0 43 | 22 0 | 1 18 | 6 53 | 16 34 | 21 27 | 21 40 | 19 30 | 16 27 | 2 41 |
| T 18 | 12 38 | 4 54 | 4 45 | 11 41 | 1 43 | 18 57 | 3 55 | 16 12 | 2 16 | 23 2 | 0 17 | 5 37 | 2 31 | 10 25 | 0 43 | 22 0 | 1 18 | 6 52 | 16 33 | 21 28 | 21 41 | 19 31 | 16 27 | 2 41 |
| F 19 | 12 19 | 0s 6 | 5 6 | 10 56 | 1 40 | 18 56 | 3 51 | 16 21 | 2 16 | 23 2 | 0 17 | 5 36 | 2 31 | 10 24 | 0 43 | 22 0 | 1 18 | 6 51 | 16 33 | 21 29 | 21 41 | 19 33 | 16 27 | 2 42 |
| S 20 | 11 59 | 5 10 | 5 10 | 10 10 | 1 37 | 18 56 | 3 46 | 16 30 | 2 15 | 23 2 | 0 17 | 5 35 | 2 31 | 10 22 | 0 43 | 22 0 | 1 18 | 6 50 | 16 32 | 21 30 | 21 42 | 19 34 | 16 26 | 2 42 |
| S 21 | 11 39 | 10 1 | 4 56 | 9 25 | 1 34 | 18 55 | 3 42 | 16 38 | 2 15 | 23 2 | 0 17 | 5 34 | 2 32 | 10 21 | 0 43 | 22 0 | 1 18 | 6 49 | 16 32 | 21 30 | 21 42 | 19 35 | 16 26 | 2 42 |
| M22 | 11 19 | 14 24 | 4 25 | 8 39 | 1 30 | 18 53 | 3 38 | 16 47 | 2 15 | 23 2 | 0 16 | 5 33 | 2 32 | 10 20 | 0 43 | 22 1 | 1 18 | 6 48 | 16 32 | 21 30 | 21 43 | 19 37 | 16 26 | 2 42 |
| T 23 | 10 59 | 17 59 | 3 37 | 7 52 | 1 26 | 18 51 | 3 34 | 16 55 | 2 14 | 23 3 | 0 16 | 5 32 | 2 32 | 10 18 | 0 43 | 22 1 | 1 17 | 6 47 | 16 31 | 21 30 | 21 43 | 19 38 | 16 26 | 2 43 |
| W24 | 10 39 | 20 31 | 2 35 | 7 6 | 1 21 | 18 49 | 3 30 | 17 4 | 2 14 | 23 3 | 0 16 | 5 31 | 2 32 | 10 17 | 0 43 | 22 1 | 1 17 | 6 46 | 16 31 | 21 30 | 21 44 | 19 40 | 16 26 | 2 43 |
| T 25 | 10 18 | 21 45 | 1 24 | 6 19 | 1 16 | 18 47 | 3 25 | 17 12 | 2 13 | 23 3 | 0 16 | 5 30 | 2 32 | 10 15 | 0 43 | 22 1 | 1 17 | 6 45 | 16 30 | 21 30 | 21 44 | 19 41 | 16 26 | 2 43 |
| F 26 | 9 57 | 21 35 | 0 7 | 5 33 | 1 11 | 18 44 | 3 21 | 17 20 | 2 13 | 23 3 | 0 16 | 5 29 | 2 33 | 10 14 | 0 43 | 22 1 | 1 17 | 6 44 | 16 30 | 21 30 | 21 45 | 19 42 | 16 26 | 2 43 |
| S 27 | 9 36 | 20 1 | 1s 9 | 4 46 | 1 5 | 18 41 | 3 16 | 17 27 | 2 12 | 23 3 | 0 16 | 5 28 | 2 33 | 10 13 | 0 43 | 22 1 | 1 17 | 6 43 | 16 30 | 21 30 | 21 45 | 19 44 | 16 25 | 2 44 |
| S 28 | 9 15 | 17 13 | 2 21 | 4 0 | 0 58 | 18 38 | 3 12 | 17 35 | 2 12 | 23 3 | 0 15 | 5 27 | 2 33 | 10 11 | 0 43 | 22 1 | 1 17 | 6 42 | 16 29 | 21 30 | 21 46 | 19 45 | 16 25 | 2 44 |
| M29 | 8 54 | 13 28 | 3 23 | 3 14 | 0 52 | 18 34 | 3 7 | 17 43 | 2 11 | 23 3 | 0 15 | 5 26 | 2 33 | 10 10 | 0 43 | 22 1 | 1 17 | 6 41 | 16 29 | 21 31 | 21 46 | 19 47 | 16 25 | 2 44 |
| T 30 | 8 33 | 9 4 | 4 12 | 2 28 | 0 45 | 18 29 | 3 2 | 17 50 | 2 11 | 23 4 | 0 15 | 5 24 | 2 34 | 10 9 | 0 43 | 22 1 | 1 17 | 6 40 | 16 29 | 21 32 | 21 47 | 19 48 | 16 25 | 2 44 |
| W31 | 8n11 | 4s19 | 4s46 | 1n42 | 0n38 | 18n25 | 2s58 | 17n57 | 2s10 | 23s 4 | 0n15 | 5n23 | 2s34 | 10n 7 | 0n43 | 22s 1 | 1n17 | 6n39 | 16n28 | 21n33 | 21n47 | 19n49 | 16n24 | 2s45 |

Julian Day Number = 2805312.5, Delta T = 51m31s
Ecliptic obliquity = 23°18'46, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'55, Lahiri = 37°24'55


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# ASTRODIENST EPHEMERIS for the year 2968
# geocentric

## SEPTEMBER 2968 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 44 18 | 9♍51'34 | 13♈12 | 28♍47 | 24♋12 | 0♊40 | 29♐38 | 19°R54 | 5♍33 | 1°R41 | 22♎24 | 21°R42 | 20♋16 | 16♊53 | 25°R39 | T 1 |
| F 2 | 22 48 15 | 10°49'15 | 25°57 | 0♎23 | 25°11 | 1°12 | 29°39 | 19♈51 | 5°37 | 1♑40 | 22°26 | 21♋34 | 20°13 | 16°59 | 25♉39 | F 2 |
| S 3 | 22 52 11 | 11°46'58 | 8♉23 | 1°57 | 26°10 | 1°43 | 29°40 | 19°48 | 5°41 | 1°40 | 22°28 | 21°27 | 20°10 | 17° 6 | 25°39 | S 3 |
| S 4 | 22 56 8 | 12°44'42 | 20°33 | 3°30 | 27°10 | 2°13 | 29°42 | 19°45 | 5°44 | 1°40 | 22°30 | 21°23 | 20° 7 | 17°13 | 25°39 | S 4 |
| M 5 | 23 0 4 | 13°42'28 | 2♊32 | 5° 2 | 28°10 | 2°44 | 29°44 | 19°42 | 5°48 | 1°40 | 22°32 | 21°20 | 20° 4 | 17°19 | 25°38 | M 5 |
| T 6 | 23 4 1 | 14°40'16 | 14°24 | 6°32 | 29°11 | 3°14 | 29°46 | 19°39 | 5°52 | 1°39 | 22°34 | 21°D19 | 20° 0 | 17°26 | 25°38 | T 6 |
| W 7 | 23 7 57 | 15°38'05 | 26°14 | 8° 1 | 0♌12 | 3°43 | 29°48 | 19°35 | 5°56 | 1°39 | 22°36 | 21°20 | 19°57 | 17°33 | 25°37 | W 7 |
| T 8 | 23 11 54 | 16°35'56 | 8♋ 7 | 9°28 | 1°13 | 4°12 | 29°50 | 19°32 | 5°59 | 1°39 | 22°38 | 21°21 | 19°54 | 17°39 | 25°37 | T 8 |
| F 9 | 23 15 51 | 17°33'49 | 20° 8 | 10°54 | 2°15 | 4°41 | 29°53 | 19°28 | 6° 3 | 1°39 | 22°40 | 21°R22 | 19°51 | 17°46 | 25°36 | F 9 |
| S 10 | 23 19 47 | 18°31'43 | 2♌22 | 12°18 | 3°17 | 5°10 | 29°55 | 19°25 | 6° 7 | 1°39 | 22°42 | 21°21 | 19°48 | 17°53 | 25°35 | S 10 |
| S 11 | 23 23 44 | 19°29'39 | 14°53 | 13°41 | 4°19 | 5°38 | 29°58 | 19°21 | 6°10 | 1°39 | 22°44 | 21°18 | 19°45 | 17°59 | 25°35 | S 11 |
| M12 | 23 27 40 | 20°27'36 | 27°43 | 15° 2 | 5°21 | 6° 6 | 0♑ 1 | 19°17 | 6°14 | 1°D39 | 22°46 | 21°13 | 19°41 | 18° 6 | 25°34 | M12 |
| T 13 | 23 31 37 | 21°25'35 | 10♍54 | 16°22 | 6°24 | 6°33 | 0° 5 | 19°13 | 6°18 | 1°39 | 22°48 | 21° 6 | 19°38 | 18°13 | 25°33 | T 13 |
| W14 | 23 35 33 | 22°23'36 | 24°25 | 17°40 | 7°27 | 7° 0 | 0° 8 | 19°10 | 6°21 | 1°39 | 22°50 | 20°57 | 19°35 | 18°19 | 25°32 | W14 |
| T 15 | 23 39 30 | 23°21'38 | 8♎14 | 18°56 | 8°31 | 7°26 | 0°12 | 19° 6 | 6°25 | 1°39 | 22°52 | 20°47 | 19°32 | 18°26 | 25°31 | T 15 |
| F 16 | 23 43 26 | 24°19'41 | 22°16 | 20°11 | 9°34 | 7°52 | 0°15 | 19° 2 | 6°28 | 1°39 | 22°54 | 20°37 | 19°29 | 18°33 | 25°30 | F 16 |
| S 17 | 23 47 23 | 25°17'46 | 6♏27 | 21°24 | 10°38 | 8°18 | 0°19 | 18°58 | 6°32 | 1°39 | 22°56 | 20°28 | 19°25 | 18°39 | 25°29 | S 17 |
| S 18 | 23 51 20 | 26°15'53 | 20°42 | 22°35 | 11°42 | 8°43 | 0°23 | 18°54 | 6°36 | 1°39 | 22°58 | 20°21 | 19°22 | 18°46 | 25°28 | S 18 |
| M19 | 23 55 16 | 27°14'01 | 4♐58 | 23°43 | 12°47 | 9° 7 | 0°28 | 18°50 | 6°39 | 1°39 | 23° 0 | 20°17 | 19°19 | 18°53 | 25°27 | M19 |
| T 20 | 23 59 13 | 28°12'10 | 19°10 | 24°50 | 13°51 | 9°31 | 0°32 | 18°45 | 6°43 | 1°40 | 23° 2 | 20°15 | 19°16 | 18°59 | 25°26 | T 20 |
| W21 | 0 3 9 | 29°10'20 | 3♑18 | 25°55 | 14°56 | 9°55 | 0°37 | 18°41 | 6°46 | 1°40 | 23° 5 | 20°D15 | 19°13 | 19° 6 | 25°24 | W21 |
| T 22 | 0 7 6 | 0♎ 8'32 | 17°20 | 26°57 | 16° 2 | 10°18 | 0°42 | 18°37 | 6°50 | 1°40 | 23° 7 | 20°R15 | 19°10 | 19°13 | 25°23 | T 22 |
| F 23 | 0 11 2 | 1° 6'46 | 1♒15 | 27°57 | 17° 7 | 10°41 | 0°46 | 18°33 | 6°53 | 1°41 | 23° 9 | 20°15 | 19° 6 | 19°19 | 25°22 | F 23 |
| S 24 | 0 14 59 | 2° 5'01 | 15° 3 | 28°54 | 18°12 | 11° 3 | 0°52 | 18°28 | 6°57 | 1°41 | 23°11 | 20°13 | 19° 3 | 19°26 | 25°20 | S 24 |
| S 25 | 0 18 55 | 3° 3'17 | 28°43 | 29°49 | 19°18 | 11°24 | 0°57 | 18°24 | 7° 0 | 1°41 | 23°13 | 20° 8 | 19° 0 | 19°33 | 25°19 | S 25 |
| M26 | 0 22 52 | 4° 1'35 | 12♓14 | 0♏40 | 20°24 | 11°45 | 1° 2 | 18°19 | 7° 4 | 1°42 | 23°16 | 20° 0 | 18°57 | 19°39 | 25°17 | M26 |
| T 27 | 0 26 49 | 4°59'54 | 25°32 | 1°29 | 21°31 | 12° 6 | 1° 8 | 18°15 | 7° 7 | 1°42 | 23°18 | 19°50 | 18°54 | 19°46 | 25°16 | T 27 |
| W28 | 0 30 45 | 5°58'15 | 8♈38 | 2°13 | 22°37 | 12°26 | 1°14 | 18°10 | 7°10 | 1°43 | 23°20 | 19°38 | 18°50 | 19°53 | 25°14 | W28 |
| T 29 | 0 34 42 | 6°56'38 | 21°29 | 2°55 | 23°44 | 12°45 | 1°19 | 18° 6 | 7°14 | 1°43 | 23°22 | 19°26 | 18°47 | 19°59 | 25°13 | T 29 |
| F 30 | 0 38 38 | 7♎55'03 | 4♉ 4 | 3♏32 | 24♌50 | 13♊ 4 | 1♑25 | 18♈ 1 | 7♍17 | 1♑44 | 23♎25 | 19♋13 | 18♋44 | 20♊ 6 | 25♉11 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n50 | 0n31 | 5s 4 | 0n57 | 0n31 | 18n19 | 2s53 | 18n 4 | 2s 9 | 23s 4 | 0n15 | 5n22 | 2s34 | 10n 6 | 0n43 | 22s 1 | 1n17 | 6n38 | 16n28 | 21n35 | 21n48 | 19n51 | 16n24 | 2s45 |
| F 2 | 7 28 | 5 12 | 5 7 | 0 12 | 0 23 | 18 14 | 2 48 | 18 11 | 2 9 | 23 4 | 0 15 | 5 21 | 2 34 | 10 5 | 0 43 | 22 1 | 1 17 | 6 37 | 16 28 | 21 36 | 21 48 | 19 52 | 16 24 | 2 45 |
| S 3 | 7 6 | 9 34 | 4 54 | 0s32 | 0 15 | 18 8 | 2 43 | 18 18 | 2 8 | 23 4 | 0 14 | 5 19 | 2 34 | 10 3 | 0 43 | 22 1 | 1 17 | 6 37 | 16 27 | 21 37 | 21 48 | 19 53 | 16 24 | 2 45 |
| S 4 | 6 44 | 13 28 | 4 29 | 1 16 | 0 7 | 18 1 | 2 39 | 18 25 | 2 7 | 23 4 | 0 14 | 5 18 | 2 35 | 10 2 | 0 43 | 22 1 | 1 17 | 6 36 | 16 27 | 21 37 | 21 49 | 19 55 | 16 23 | 2 46 |
| M 5 | 6 22 | 16 46 | 3 52 | 2 0 | 0s 1 | 17 54 | 2 34 | 18 31 | 2 7 | 23 5 | 0 14 | 5 16 | 2 35 | 10 1 | 0 43 | 22 1 | 1 17 | 6 35 | 16 27 | 21 38 | 21 49 | 19 56 | 16 23 | 2 46 |
| T 6 | 6 0 | 19 20 | 3 5 | 2 43 | 0 9 | 17 47 | 2 29 | 18 38 | 2 6 | 23 5 | 0 14 | 5 15 | 2 35 | 9 59 | 0 43 | 22 1 | 1 17 | 6 34 | 16 26 | 21 38 | 21 50 | 19 58 | 16 23 | 2 46 |
| W 7 | 5 38 | 21 5 | 2 11 | 3 26 | 0 17 | 17 39 | 2 24 | 18 44 | 2 5 | 23 5 | 0 14 | 5 14 | 2 35 | 9 58 | 0 43 | 22 1 | 1 17 | 6 33 | 16 26 | 21 38 | 21 50 | 19 59 | 16 22 | 2 46 |
| T 8 | 5 16 | 21 53 | 1 11 | 4 8 | 0 26 | 17 31 | 2 19 | 18 50 | 2 4 | 23 5 | 0 14 | 5 12 | 2 35 | 9 56 | 0 43 | 22 1 | 1 17 | 6 32 | 16 26 | 21 38 | 21 51 | 20 0 | 16 22 | 2 46 |
| F 9 | 4 53 | 21 42 | 0 7 | 4 49 | 0 35 | 17 22 | 2 14 | 18 56 | 2 4 | 23 5 | 0 14 | 5 11 | 2 36 | 9 55 | 0 43 | 22 1 | 1 17 | 6 31 | 16 25 | 21 38 | 21 51 | 20 2 | 16 22 | 2 47 |
| S 10 | 4 31 | 20 29 | 0n59 | 5 30 | 0 43 | 17 13 | 2 9 | 19 2 | 2 3 | 23 5 | 0 13 | 5 9 | 2 36 | 9 54 | 0 43 | 22 2 | 1 17 | 6 30 | 16 25 | 21 38 | 21 52 | 20 3 | 16 21 | 2 47 |
| S 11 | 4 8 | 18 14 | 2 3 | 6 10 | 0 52 | 17 4 | 2 4 | 19 8 | 2 2 | 23 6 | 0 13 | 5 8 | 2 36 | 9 52 | 0 43 | 22 2 | 1 17 | 6 29 | 16 25 | 21 38 | 21 52 | 20 4 | 16 21 | 2 47 |
| M12 | 3 46 | 15 3 | 3 2 | 6 50 | 1 1 | 16 54 | 2 0 | 19 13 | 2 1 | 23 6 | 0 13 | 5 6 | 2 36 | 9 51 | 0 43 | 22 2 | 1 17 | 6 28 | 16 25 | 21 39 | 21 53 | 20 6 | 16 20 | 2 47 |
| T 13 | 3 23 | 11 2 | 3 53 | 7 29 | 1 10 | 16 43 | 1 55 | 19 19 | 2 0 | 23 6 | 0 13 | 5 4 | 2 36 | 9 50 | 0 43 | 22 2 | 1 16 | 6 27 | 16 24 | 21 40 | 21 53 | 20 7 | 16 20 | 2 48 |
| W14 | 3 0 | 6 22 | 4 32 | 8 7 | 1 19 | 16 32 | 1 50 | 19 24 | 1 59 | 23 6 | 0 13 | 5 3 | 2 36 | 9 48 | 0 43 | 22 2 | 1 16 | 6 26 | 16 24 | 21 41 | 21 54 | 20 8 | 16 19 | 2 48 |
| T 15 | 2 37 | 1 18 | 4 56 | 8 44 | 1 28 | 16 21 | 1 45 | 19 30 | 1 58 | 23 6 | 0 13 | 5 1 | 2 37 | 9 47 | 0 44 | 22 2 | 1 16 | 6 25 | 16 24 | 21 43 | 21 54 | 20 10 | 16 19 | 2 48 |
| F 16 | 2 14 | 3s55 | 5 3 | 9 20 | 1 36 | 16 9 | 1 40 | 19 35 | 1 57 | 23 6 | 0 13 | 5 0 | 2 37 | 9 46 | 0 44 | 22 2 | 1 16 | 6 24 | 16 24 | 21 44 | 21 54 | 20 11 | 16 19 | 2 48 |
| S 17 | 1 52 | 9 0 | 4 52 | 9 56 | 1 45 | 15 57 | 1 35 | 19 40 | 1 56 | 23 6 | 0 12 | 4 58 | 2 37 | 9 45 | 0 44 | 22 2 | 1 16 | 6 23 | 16 24 | 21 46 | 21 55 | 20 12 | 16 18 | 2 49 |
| S 18 | 1 29 | 13 37 | 4 22 | 10 30 | 1 54 | 15 44 | 1 30 | 19 45 | 1 55 | 23 7 | 0 12 | 4 56 | 2 37 | 9 43 | 0 44 | 22 2 | 1 16 | 6 22 | 16 23 | 21 47 | 21 55 | 20 14 | 16 18 | 2 49 |
| M19 | 1 6 | 17 28 | 3 36 | 11 4 | 2 3 | 15 31 | 1 25 | 19 50 | 1 54 | 23 7 | 0 12 | 4 55 | 2 37 | 9 42 | 0 44 | 22 2 | 1 16 | 6 21 | 16 23 | 21 47 | 21 56 | 20 15 | 16 17 | 2 49 |
| T 20 | 0 43 | 20 16 | 2 37 | 11 37 | 2 11 | 15 18 | 1 21 | 19 54 | 1 53 | 23 7 | 0 12 | 4 53 | 2 37 | 9 41 | 0 44 | 22 2 | 1 16 | 6 20 | 16 23 | 21 48 | 21 56 | 20 16 | 16 17 | 2 49 |
| W21 | 0 20 | 21 47 | 1 29 | 12 8 | 2 20 | 15 4 | 1 16 | 19 59 | 1 52 | 23 7 | 0 12 | 4 51 | 2 37 | 9 39 | 0 44 | 22 2 | 1 16 | 6 19 | 16 23 | 21 48 | 21 57 | 20 17 | 16 16 | 2 49 |
| T 22 | 0s 3 | 21 56 | 0 16 | 12 38 | 2 28 | 14 49 | 1 11 | 20 3 | 1 50 | 23 7 | 0 12 | 4 50 | 2 38 | 9 38 | 0 44 | 22 2 | 1 16 | 6 18 | 16 23 | 21 48 | 21 57 | 20 19 | 16 16 | 2 50 |
| F 23 | 0 26 | 20 43 | 0s58 | 13 8 | 2 37 | 14 34 | 1 6 | 20 8 | 1 49 | 23 7 | 0 11 | 4 48 | 2 38 | 9 37 | 0 44 | 22 2 | 1 16 | 6 18 | 16 22 | 21 48 | 21 58 | 20 20 | 16 15 | 2 50 |
| S 24 | 0 49 | 18 16 | 2 8 | 13 36 | 2 45 | 14 19 | 1 2 | 20 12 | 1 48 | 23 7 | 0 11 | 4 46 | 2 38 | 9 36 | 0 44 | 22 2 | 1 16 | 6 17 | 16 22 | 21 48 | 21 58 | 20 21 | 16 15 | 2 50 |
| S 25 | 1 13 | 14 49 | 3 9 | 14 2 | 2 52 | 14 3 | 0 57 | 20 16 | 1 47 | 23 7 | 0 11 | 4 44 | 2 38 | 9 34 | 0 44 | 22 2 | 1 16 | 6 16 | 16 22 | 21 49 | 21 58 | 20 23 | 16 14 | 2 50 |
| M26 | 1 36 | 10 37 | 3 59 | 14 28 | 3 0 | 13 47 | 0 52 | 20 20 | 1 45 | 23 7 | 0 11 | 4 43 | 2 38 | 9 33 | 0 44 | 22 2 | 1 16 | 6 15 | 16 22 | 21 50 | 21 59 | 20 24 | 16 13 | 2 51 |
| T 27 | 1 59 | 5 58 | 4 35 | 14 51 | 3 7 | 13 30 | 0 48 | 20 24 | 1 44 | 23 8 | 0 11 | 4 41 | 2 38 | 9 32 | 0 44 | 22 2 | 1 16 | 6 14 | 16 22 | 21 51 | 21 59 | 20 25 | 16 13 | 2 51 |
| W28 | 2 22 | 1 8 | 4 55 | 15 13 | 3 14 | 13 14 | 0 43 | 20 28 | 1 42 | 23 8 | 0 11 | 4 39 | 2 38 | 9 31 | 0 44 | 22 2 | 1 16 | 6 13 | 16 22 | 21 53 | 22 0 | 20 26 | 16 12 | 2 51 |
| T 29 | 2 45 | 3n41 | 5 1 | 15 34 | 3 21 | 12 56 | 0 38 | 20 32 | 1 41 | 23 8 | 0 11 | 4 37 | 2 38 | 9 29 | 0 44 | 22 2 | 1 16 | 6 12 | 16 21 | 21 55 | 22 0 | 20 28 | 16 12 | 2 51 |
| F 30 | 3s 8 | 8n14 | 4s51 | 15s52 | 3s27 | 12n38 | 0s34 | 20n36 | 1s39 | 23s 8 | 0n11 | 4n35 | 2s38 | 9n28 | 0n44 | 22s 2 | 1n16 | 6n11 | 16n21 | 21n57 | 22n 1 | 20n29 | 16n11 | 2s51 |

Julian Day Number = 2805343.5, Delta T = 51m31s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°17'59, Lahiri = 37°24'59


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# ASTRODIENST EPHEMERIS for the year 2968
# geocentric

## OCTOBER 2968 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 42 35 | 8♎53'30 | 16♉24 | 4♏ 5 | 25♌58 | 13♊22 | 1♑32 | 17°R57 | 7♍20 | 1♑45 | 23♎27 | 19°R 3 | 18♋41 | 20♊13 | 25°R 9 | S 1 |
| S 2 | 0 46 31 | 9°51'58 | 28°31 | 4°34 | 27° 5 | 13°39 | 1°38 | 17♈52 | 7°24 | 1°45 | 23°29 | 18♋54 | 18°38 | 20°19 | 25♉ 7 | S 2 |
| M 3 | 0 50 28 | 10°50'29 | 10♊28 | 4°57 | 28°12 | 13°56 | 1°44 | 17°48 | 7°27 | 1°46 | 23°31 | 18°48 | 18°35 | 20°26 | 25° 5 | M 3 |
| T 4 | 0 54 24 | 11°49'02 | 22°18 | 5°16 | 29°20 | 14°12 | 1°51 | 17°43 | 7°30 | 1°47 | 23°34 | 18°45 | 18°31 | 20°33 | 25° 4 | T 4 |
| W 5 | 0 58 21 | 12°47'37 | 4♋ 7 | 5°29 | 0♍28 | 14°28 | 1°58 | 17°38 | 7°34 | 1°47 | 23°36 | 18°44 | 18°28 | 20°39 | 25° 2 | W 5 |
| T 6 | 1 2 17 | 13°46'15 | 15°58 | 5°36 | 1°36 | 14°43 | 2° 5 | 17°34 | 7°37 | 1°48 | 23°38 | 18°44 | 18°25 | 20°46 | 25° 0 | T 6 |
| F 7 | 1 6 14 | 14°44'54 | 27°59 | 5°R36 | 2°44 | 14°57 | 2°12 | 17°29 | 7°40 | 1°49 | 23°41 | 18°43 | 18°22 | 20°53 | 24°58 | F 7 |
| S 8 | 1 10 11 | 15°43'36 | 10♌14 | 5°30 | 3°52 | 15°11 | 2°19 | 17°25 | 7°43 | 1°50 | 23°43 | 18°42 | 18°19 | 20°59 | 24°55 | S 8 |
| S 9 | 1 14 7 | 16°42'19 | 22°48 | 5°17 | 5° 1 | 15°23 | 2°26 | 17°20 | 7°46 | 1°51 | 23°45 | 18°39 | 18°16 | 21° 6 | 24°53 | S 9 |
| M10 | 1 18 4 | 17°41'05 | 5♍45 | 4°57 | 6° 9 | 15°35 | 2°34 | 17°15 | 7°49 | 1°51 | 23°47 | 18°33 | 18°12 | 21°13 | 24°51 | M10 |
| T 11 | 1 22 0 | 18°39'53 | 19° 7 | 4°29 | 7°18 | 15°47 | 2°42 | 17°11 | 7°52 | 1°52 | 23°50 | 18°25 | 18° 9 | 21°19 | 24°49 | T 11 |
| W12 | 1 25 57 | 19°38'43 | 2♎55 | 3°54 | 8°27 | 15°57 | 2°49 | 17° 6 | 7°55 | 1°53 | 23°52 | 18°14 | 18° 6 | 21°26 | 24°47 | W12 |
| T 13 | 1 29 53 | 20°37'35 | 17° 5 | 3°12 | 9°36 | 16° 7 | 2°57 | 17° 1 | 7°58 | 1°54 | 23°54 | 18° 2 | 18° 3 | 21°33 | 24°44 | T 13 |
| F 14 | 1 33 50 | 21°36'29 | 1♏32 | 2°22 | 10°45 | 16°16 | 3° 5 | 16°57 | 8° 1 | 1°55 | 23°57 | 17°50 | 18° 0 | 21°39 | 24°42 | F 14 |
| S 15 | 1 37 46 | 22°35'25 | 16°10 | 1°27 | 11°55 | 16°24 | 3°13 | 16°52 | 8° 4 | 1°56 | 23°59 | 17°39 | 17°56 | 21°46 | 24°40 | S 15 |
| S 16 | 1 41 43 | 23°34'23 | 0♐51 | 0°26 | 13° 4 | 16°32 | 3°22 | 16°47 | 8° 7 | 1°57 | 24° 1 | 17°31 | 17°53 | 21°53 | 24°37 | S 16 |
| M17 | 1 45 40 | 24°33'23 | 15°27 | 29♎21 | 14°14 | 16°38 | 3°30 | 16°43 | 8°10 | 1°58 | 24° 4 | 17°26 | 17°50 | 21°59 | 24°35 | M17 |
| T 18 | 1 49 36 | 25°32'24 | 29°54 | 28°13 | 15°24 | 16°44 | 3°39 | 16°38 | 8°13 | 2° 0 | 24° 6 | 17°23 | 17°47 | 22° 6 | 24°33 | T 18 |
| W19 | 1 53 33 | 26°31'27 | 14♑ 9 | 27° 3 | 16°34 | 16°49 | 3°47 | 16°34 | 8°16 | 2° 1 | 24° 8 | 17°D22 | 17°44 | 22°13 | 24°30 | W19 |
| T 20 | 1 57 29 | 27°30'32 | 28° 9 | 25°55 | 17°44 | 16°53 | 3°56 | 16°29 | 8°18 | 2° 2 | 24°11 | 17°R22 | 17°41 | 22°19 | 24°28 | T 20 |
| F 21 | 2 1 26 | 28°29'38 | 11♒55 | 24°48 | 18°54 | 16°56 | 4° 5 | 16°24 | 8°21 | 2° 3 | 24°13 | 17°22 | 17°37 | 22°26 | 24°25 | F 21 |
| S 22 | 2 5 22 | 29°28'47 | 25°28 | 23°46 | 20° 5 | 16°58 | 4°14 | 16°20 | 8°24 | 2° 4 | 24°15 | 17°20 | 17°34 | 22°33 | 24°22 | S 22 |
| S 23 | 2 9 19 | 0♏27'56 | 8♓48 | 22°50 | 21°15 | 17° 0 | 4°23 | 16°16 | 8°26 | 2° 6 | 24°18 | 17°15 | 17°31 | 22°39 | 24°20 | S 23 |
| M24 | 2 13 15 | 1°27'08 | 21°56 | 22° 2 | 22°26 | 17°R 0 | 4°33 | 16°11 | 8°29 | 2° 7 | 24°20 | 17° 7 | 17°28 | 22°46 | 24°17 | M24 |
| T 25 | 2 17 12 | 2°26'21 | 4♈53 | 21°22 | 23°36 | 17° 0 | 4°42 | 16° 7 | 8°32 | 2° 8 | 24°22 | 16°57 | 17°25 | 22°53 | 24°14 | T 25 |
| W26 | 2 21 9 | 3°25'36 | 17°38 | 20°53 | 24°47 | 16°59 | 4°51 | 16° 2 | 8°34 | 2°10 | 24°25 | 16°45 | 17°21 | 22°59 | 24°12 | W26 |
| T 27 | 2 25 5 | 4°24'53 | 0♉12 | 20°34 | 25°58 | 16°57 | 5° 1 | 15°58 | 8°37 | 2°11 | 24°27 | 16°32 | 17°18 | 23° 6 | 24° 9 | T 27 |
| F 28 | 2 29 2 | 5°24'12 | 12°34 | 20°D26 | 27° 9 | 16°54 | 5°11 | 15°54 | 8°39 | 2°12 | 24°29 | 16°19 | 17°15 | 23°13 | 24° 6 | F 28 |
| S 29 | 2 32 58 | 6°23'34 | 24°45 | 20°29 | 28°20 | 16°50 | 5°21 | 15°50 | 8°41 | 2°14 | 24°32 | 16° 8 | 17°12 | 23°19 | 24° 4 | S 29 |
| S 30 | 2 36 55 | 7°22'57 | 6♊46 | 20°43 | 29°32 | 16°46 | 5°31 | 15°45 | 8°44 | 2°15 | 24°34 | 15°59 | 17° 9 | 23°26 | 24° 1 | S 30 |
| M31 | 2 40 51 | 8♏22'22 | 18♊38 | 21♎ 7 | 0♎43 | 16♊40 | 5♑41 | 15♈41 | 8♍46 | 2♑17 | 24♎36 | 15♋53 | 17♋ 6 | 23♊32 | 23♉58 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3s30 | 12n22 | 4s28 | 16s 9 | 3s33 | 12n20 | 0s29 | 20n40 | 1s38 | 23s 8 | 0n10 | 4n34 | 2s38 | 9n27 | 0n44 | 22s 3 | 1n16 | 6n10 | 16n21 | 21n58 | 22n 1 | 20n30 | 16n10 | 2s52 |
| S 2 | 3 53 | 15 56 | 3 53 | 16 23 | 3 38 | 12 2 | 0 25 | 20 43 | 1 36 | 23 8 | 0 10 | 4 32 | 2 38 | 9 26 | 0 44 | 22 3 | 1 16 | 6 9 | 16 21 | 21 59 | 22 2 | 20 31 | 16 10 | 2 52 |
| M 3 | 4 16 | 18 48 | 3 8 | 16 36 | 3 42 | 11 43 | 0 21 | 20 47 | 1 35 | 23 8 | 0 10 | 4 30 | 2 38 | 9 24 | 0 44 | 22 3 | 1 16 | 6 8 | 16 21 | 22 0 | 22 2 | 20 33 | 16 9 | 2 52 |
| T 4 | 4 39 | 20 51 | 2 15 | 16 45 | 3 46 | 11 23 | 0 16 | 20 51 | 1 33 | 23 8 | 0 10 | 4 28 | 2 39 | 9 23 | 0 44 | 22 3 | 1 15 | 6 8 | 16 21 | 22 1 | 22 2 | 20 34 | 16 8 | 2 52 |
| W 5 | 5 2 | 21 58 | 1 17 | 16 52 | 3 49 | 11 4 | 0 12 | 20 54 | 1 31 | 23 8 | 0 10 | 4 27 | 2 39 | 9 22 | 0 44 | 22 3 | 1 15 | 6 7 | 16 21 | 22 1 | 22 3 | 20 35 | 16 8 | 2 52 |
| T 6 | 5 24 | 22 7 | 0 15 | 16 56 | 3 51 | 10 44 | 0 8 | 20 57 | 1 30 | 23 8 | 0 10 | 4 25 | 2 39 | 9 21 | 0 44 | 22 3 | 1 15 | 6 6 | 16 21 | 22 1 | 22 3 | 20 36 | 16 7 | 2 53 |
| F 7 | 5 47 | 21 15 | 0n49 | 16 57 | 3 51 | 10 23 | 0 4 | 21 1 | 1 28 | 23 8 | 0 10 | 4 23 | 2 39 | 9 20 | 0 44 | 22 3 | 1 15 | 6 5 | 16 21 | 22 1 | 22 4 | 20 38 | 16 7 | 2 53 |
| S 8 | 6 9 | 19 22 | 1 51 | 16 55 | 3 51 | 10 3 | 0n 0 | 21 4 | 1 26 | 23 8 | 0 9 | 4 21 | 2 39 | 9 19 | 0 44 | 22 3 | 1 15 | 6 4 | 16 21 | 22 1 | 22 4 | 20 39 | 16 6 | 2 53 |
| S 9 | 6 32 | 16 31 | 2 50 | 16 49 | 3 50 | 9 42 | 0 4 | 21 7 | 1 24 | 23 8 | 0 9 | 4 19 | 2 39 | 9 18 | 0 44 | 22 3 | 1 15 | 6 3 | 16 21 | 22 1 | 22 5 | 20 40 | 16 5 | 2 53 |
| M10 | 6 54 | 12 47 | 3 41 | 16 40 | 3 47 | 9 20 | 0 8 | 21 10 | 1 22 | 23 8 | 0 9 | 4 18 | 2 39 | 9 16 | 0 44 | 22 3 | 1 15 | 6 2 | 16 21 | 22 2 | 22 5 | 20 41 | 16 4 | 2 53 |
| T 11 | 7 17 | 8 19 | 4 23 | 16 26 | 3 42 | 8 59 | 0 12 | 21 14 | 1 20 | 23 8 | 0 9 | 4 16 | 2 39 | 9 15 | 0 44 | 22 3 | 1 15 | 6 2 | 16 21 | 22 3 | 22 5 | 20 42 | 16 4 | 2 54 |
| W12 | 7 39 | 3 17 | 4 50 | 16 9 | 3 36 | 8 37 | 0 16 | 21 17 | 1 18 | 23 8 | 0 9 | 4 14 | 2 39 | 9 14 | 0 44 | 22 3 | 1 15 | 6 1 | 16 21 | 22 5 | 22 6 | 20 44 | 16 3 | 2 54 |
| T 13 | 8 1 | 2s 3 | 5 0 | 15 47 | 3 29 | 8 14 | 0 20 | 21 20 | 1 16 | 23 8 | 0 9 | 4 12 | 2 39 | 9 13 | 0 44 | 22 3 | 1 15 | 6 0 | 16 21 | 22 6 | 22 6 | 20 45 | 16 2 | 2 54 |
| F 14 | 8 23 | 7 22 | 4 52 | 15 21 | 3 19 | 7 52 | 0 24 | 21 23 | 1 14 | 23 8 | 0 9 | 4 10 | 2 39 | 9 12 | 0 44 | 22 3 | 1 15 | 5 59 | 16 21 | 22 8 | 22 7 | 20 46 | 16 2 | 2 54 |
| S 15 | 8 45 | 12 22 | 4 25 | 14 51 | 3 7 | 7 29 | 0 27 | 21 26 | 1 12 | 23 8 | 0 9 | 4 9 | 2 39 | 9 11 | 0 44 | 22 3 | 1 15 | 5 58 | 16 21 | 22 9 | 22 7 | 20 47 | 16 1 | 2 54 |
| S 16 | 9 6 | 16 38 | 3 40 | 14 17 | 2 54 | 7 6 | 0 31 | 21 28 | 1 10 | 23 8 | 0 8 | 4 7 | 2 39 | 9 10 | 0 44 | 22 3 | 1 15 | 5 57 | 16 21 | 22 10 | 22 7 | 20 48 | 16 0 | 2 55 |
| M17 | 9 28 | 19 52 | 2 40 | 13 40 | 2 39 | 6 42 | 0 35 | 21 31 | 1 8 | 23 8 | 0 8 | 4 5 | 2 39 | 9 9 | 0 44 | 22 3 | 1 15 | 5 57 | 16 21 | 22 11 | 22 8 | 20 50 | 15 59 | 2 55 |
| T 18 | 9 49 | 21 48 | 1 31 | 13 0 | 2 22 | 6 19 | 0 38 | 21 34 | 1 5 | 23 8 | 0 8 | 4 4 | 2 39 | 9 8 | 0 44 | 22 3 | 1 15 | 5 56 | 16 21 | 22 11 | 22 8 | 20 51 | 15 59 | 2 55 |
| W19 | 10 11 | 22 17 | 0 17 | 12 18 | 2 4 | 5 55 | 0 41 | 21 37 | 1 3 | 23 7 | 0 8 | 4 2 | 2 39 | 9 7 | 0 44 | 22 3 | 1 15 | 5 55 | 16 21 | 22 11 | 22 9 | 20 52 | 15 58 | 2 55 |
| T 20 | 10 32 | 21 21 | 0s57 | 11 35 | 1 45 | 5 31 | 0 45 | 21 40 | 1 1 | 23 7 | 0 8 | 4 0 | 2 39 | 9 6 | 0 44 | 22 3 | 1 15 | 5 54 | 16 21 | 22 11 | 22 9 | 20 53 | 15 57 | 2 55 |
| F 21 | 10 53 | 19 9 | 2 6 | 10 52 | 1 25 | 5 6 | 0 48 | 21 42 | 0 58 | 23 7 | 0 8 | 3 58 | 2 39 | 9 5 | 0 44 | 22 3 | 1 15 | 5 54 | 16 21 | 22 12 | 22 10 | 20 54 | 15 56 | 2 55 |
| S 22 | 11 14 | 15 54 | 3 7 | 10 11 | 1 4 | 4 42 | 0 51 | 21 45 | 0 56 | 23 7 | 0 8 | 3 57 | 2 39 | 9 4 | 0 44 | 22 3 | 1 15 | 5 53 | 16 21 | 22 12 | 22 10 | 20 56 | 15 56 | 2 56 |
| S 23 | 11 35 | 11 53 | 3 57 | 9 31 | 0 44 | 4 17 | 0 54 | 21 48 | 0 53 | 23 7 | 0 8 | 3 55 | 2 39 | 9 3 | 0 44 | 22 3 | 1 15 | 5 52 | 16 21 | 22 12 | 22 10 | 20 57 | 15 55 | 2 56 |
| M24 | 11 55 | 7 22 | 4 33 | 8 54 | 0 23 | 3 52 | 0 57 | 21 50 | 0 51 | 23 7 | 0 8 | 3 54 | 2 38 | 9 2 | 0 44 | 22 3 | 1 15 | 5 51 | 16 21 | 22 13 | 22 11 | 20 58 | 15 54 | 2 56 |
| T 25 | 12 15 | 2 35 | 4 55 | 8 21 | 0 4 | 3 27 | 1 0 | 21 53 | 0 48 | 23 6 | 0 7 | 3 52 | 2 38 | 9 1 | 0 44 | 22 3 | 1 15 | 5 51 | 16 21 | 22 15 | 22 11 | 20 59 | 15 53 | 2 56 |
| W26 | 12 36 | 2n14 | 5 1 | 7 53 | 0n15 | 3 2 | 1 3 | 21 55 | 0 46 | 23 6 | 0 7 | 3 50 | 2 38 | 9 0 | 0 45 | 22 3 | 1 14 | 5 50 | 16 21 | 22 16 | 22 12 | 21 0 | 15 52 | 2 56 |
| T 27 | 12 56 | 6 54 | 4 53 | 7 29 | 0 32 | 2 36 | 1 6 | 21 58 | 0 43 | 23 6 | 0 7 | 3 49 | 2 38 | 8 59 | 0 45 | 22 3 | 1 14 | 5 49 | 16 21 | 22 18 | 22 12 | 21 1 | 15 52 | 2 56 |
| F 28 | 13 15 | 11 13 | 4 31 | 7 12 | 0 49 | 2 10 | 1 8 | 22 0 | 0 40 | 23 6 | 0 7 | 3 47 | 2 38 | 8 58 | 0 45 | 22 3 | 1 14 | 5 49 | 16 21 | 22 19 | 22 12 | 21 2 | 15 51 | 2 56 |
| S 29 | 13 35 | 15 2 | 3 57 | 6 59 | 1 3 | 1 45 | 1 11 | 22 3 | 0 37 | 23 5 | 0 7 | 3 46 | 2 38 | 8 58 | 0 45 | 22 3 | 1 14 | 5 48 | 16 22 | 22 21 | 22 13 | 21 4 | 15 50 | 2 57 |
| S 30 | 13 54 | 18 10 | 3 12 | 6 52 | 1 16 | 1 19 | 1 14 | 22 5 | 0 34 | 23 5 | 0 7 | 3 44 | 2 38 | 8 57 | 0 45 | 22 3 | 1 14 | 5 47 | 16 22 | 22 22 | 22 13 | 21 5 | 15 49 | 2 57 |
| M31 | 14s13 | 20n31 | 2s19 | 6s50 | 1n28 | 0n53 | 1n16 | 22n 8 | 0s31 | 23s 5 | 0n 7 | 3n43 | 2s38 | 8n56 | 0n45 | 22s 3 | 1n14 | 5n47 | 16n22 | 22n22 | 22n14 | 21n 6 | 15n48 | 2s57 |

Julian Day Number = 2805373.5, Delta T = 51m32s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°18'03, Lahiri = 37°25'04


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# ASTRODIENST EPHEMERIS for the year 2968
# geocentric

## NOVEMBER 2968 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 44 48 | 9♏21'50 | 0♋26 | 21♎41 | 1♎55 | 16°R34 | 5♑51 | 15°R37 | 8♍48 | 2♑18 | 24♎39 | 15°R50 | 17♋ 2 | 23♊39 | 23°R55 | T 1 |
| W 2 | 2 48 44 | 10°21'20 | 12°13 | 22°23 | 3° 6 | 16♊26 | 6° 1 | 15♈33 | 8°51 | 2°20 | 24°41 | 15°D48 | 16°59 | 23°46 | 23♉52 | W 2 |
| T 3 | 2 52 41 | 11°20'52 | 24° 3 | 23°14 | 4°18 | 16°18 | 6°11 | 15°29 | 8°53 | 2°21 | 24°43 | 15♋48 | 16°56 | 23°52 | 23°50 | T 3 |
| F 4 | 2 56 38 | 12°20'26 | 6♌ 2 | 24°13 | 5°30 | 16° 9 | 6°22 | 15°25 | 8°55 | 2°23 | 24°45 | 15°49 | 16°53 | 23°59 | 23°47 | F 4 |
| S 5 | 3 0 34 | 13°20'02 | 18°14 | 25°17 | 6°42 | 15°59 | 6°32 | 15°21 | 8°57 | 2°25 | 24°48 | 15°R49 | 16°50 | 24° 6 | 23°44 | S 5 |
| S 6 | 3 4 31 | 14°19'41 | 0♍46 | 26°28 | 7°54 | 15°48 | 6°43 | 15°18 | 8°59 | 2°26 | 24°50 | 15°48 | 16°47 | 24°12 | 23°41 | S 6 |
| M 7 | 3 8 27 | 15°19'22 | 13°42 | 27°44 | 9° 6 | 15°36 | 6°54 | 15°14 | 9° 1 | 2°28 | 24°52 | 15°44 | 16°43 | 24°19 | 23°38 | M 7 |
| T 8 | 3 12 24 | 16°19'05 | 27° 5 | 29° 4 | 10°18 | 15°24 | 7° 5 | 15°10 | 9° 3 | 2°30 | 24°54 | 15°38 | 16°40 | 24°26 | 23°35 | T 8 |
| W 9 | 3 16 20 | 17°18'50 | 10♎56 | 0♏27 | 11°30 | 15°10 | 7°15 | 15° 7 | 9° 5 | 2°31 | 24°56 | 15°30 | 16°37 | 24°32 | 23°32 | W 9 |
| T 10 | 3 20 17 | 18°18'37 | 25°15 | 1°54 | 12°43 | 14°56 | 7°26 | 15° 3 | 9° 7 | 2°33 | 24°59 | 15°21 | 16°34 | 24°39 | 23°29 | T 10 |
| F 11 | 3 24 13 | 19°18'26 | 9♏57 | 3°23 | 13°55 | 14°41 | 7°38 | 15° 0 | 9° 9 | 2°35 | 25° 1 | 15°12 | 16°31 | 24°46 | 23°26 | F 11 |
| S 12 | 3 28 10 | 20°18'18 | 24°54 | 4°55 | 15° 8 | 14°25 | 7°49 | 14°56 | 9°10 | 2°37 | 25° 3 | 15° 4 | 16°27 | 24°52 | 23°23 | S 12 |
| S 13 | 3 32 7 | 21°18'11 | 9♐57 | 6°28 | 16°20 | 14° 9 | 8° 0 | 14°53 | 9°12 | 2°38 | 25° 5 | 14°57 | 16°24 | 24°59 | 23°20 | S 13 |
| M14 | 3 36 3 | 22°18'06 | 24°57 | 8° 2 | 17°33 | 13°52 | 8°11 | 14°50 | 9°14 | 2°40 | 25° 7 | 14°54 | 16°21 | 25° 6 | 23°17 | M14 |
| T 15 | 3 40 0 | 23°18'03 | 9♑46 | 9°38 | 18°46 | 13°35 | 8°23 | 14°47 | 9°15 | 2°42 | 25° 9 | 14°D52 | 16°18 | 25°12 | 23°14 | T 15 |
| W16 | 3 43 56 | 24°18'02 | 24°17 | 11°15 | 19°59 | 13°16 | 8°34 | 14°44 | 9°17 | 2°44 | 25°12 | 14°52 | 16°15 | 25°19 | 23°11 | W16 |
| T 17 | 3 47 53 | 25°18'02 | 8♒28 | 12°52 | 21°12 | 12°58 | 8°46 | 14°41 | 9°19 | 2°46 | 25°14 | 14°53 | 16°12 | 25°26 | 23° 8 | T 17 |
| F 18 | 3 51 49 | 26°18'03 | 22°18 | 14°29 | 22°25 | 12°38 | 8°58 | 14°38 | 9°20 | 2°48 | 25°16 | 14°R54 | 16° 8 | 25°32 | 23° 6 | F 18 |
| S 19 | 3 55 46 | 27°18'06 | 5♓47 | 16° 7 | 23°38 | 12°19 | 9° 9 | 14°35 | 9°21 | 2°50 | 25°18 | 14°54 | 16° 5 | 25°39 | 23° 3 | S 19 |
| S 20 | 3 59 42 | 28°18'10 | 18°58 | 17°45 | 24°51 | 11°58 | 9°21 | 14°32 | 9°23 | 2°51 | 25°20 | 14°52 | 16° 2 | 25°46 | 23° 0 | S 20 |
| M21 | 4 3 39 | 29°18'16 | 1♈52 | 19°23 | 26° 4 | 11°38 | 9°33 | 14°30 | 9°24 | 2°53 | 25°22 | 14°47 | 15°59 | 25°52 | 22°57 | M21 |
| T 22 | 4 7 36 | 0♗18'24 | 14°32 | 21° 1 | 27°17 | 11°17 | 9°45 | 14°27 | 9°25 | 2°55 | 25°24 | 14°41 | 15°56 | 25°59 | 22°54 | T 22 |
| W23 | 4 11 32 | 1°18'33 | 27° 0 | 22°39 | 28°31 | 10°56 | 9°57 | 14°25 | 9°27 | 2°57 | 25°26 | 14°34 | 15°53 | 26° 6 | 22°51 | W23 |
| T 24 | 4 15 29 | 2°18'43 | 9♉18 | 24°17 | 29°44 | 10°35 | 10° 9 | 14°22 | 9°28 | 2°59 | 25°28 | 14°25 | 15°49 | 26°12 | 22°48 | T 24 |
| F 25 | 4 19 25 | 3°18'56 | 21°26 | 25°54 | 0♏57 | 10°13 | 10°22 | 14°20 | 9°29 | 3° 1 | 25°30 | 14°18 | 15°46 | 26°19 | 22°45 | F 25 |
| S 26 | 4 23 22 | 4°19'09 | 3♊26 | 27°32 | 2°11 | 9°52 | 10°34 | 14°18 | 9°30 | 3° 3 | 25°32 | 14°11 | 15°43 | 26°25 | 22°42 | S 26 |
| S 27 | 4 27 18 | 5°19'25 | 15°20 | 29° 9 | 3°24 | 9°30 | 10°46 | 14°16 | 9°31 | 3° 5 | 25°34 | 14° 5 | 15°40 | 26°32 | 22°39 | S 27 |
| M28 | 4 31 15 | 6°19'43 | 27°10 | 0♗46 | 4°38 | 9° 8 | 10°58 | 14°14 | 9°32 | 3° 8 | 25°36 | 14° 2 | 15°37 | 26°39 | 22°36 | M28 |
| T 29 | 4 35 11 | 7°20'02 | 8♋57 | 2°23 | 5°52 | 8°47 | 11°11 | 14°12 | 9°33 | 3°10 | 25°37 | 14°D 0 | 15°33 | 26°45 | 22°34 | T 29 |
| W30 | 4 39 8 | 8♗20'23 | 20♋44 | 3♗59 | 7♏ 6 | 8♊25 | 11♑23 | 14♈10 | 9♍34 | 3♑12 | 25♎39 | 14♋ 0 | 15♋30 | 26♊52 | 22♉31 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s32 | 21n58 | 1s21 | 6s54 | 1n37 | 0n27 | 1n18 | 22n10 | 0s29 | 23s 4 | 0n 7 | 3n41 | 2s38 | 8n55 | 0n45 | 22s 3 | 1n14 | 5n46 | 16n22 | 22n23 | 22n14 | 21n 7 | 15n48 | 2s57 |
| W 2 | 14 51 | 22 26 | 0 19 | 7 2 | 1 46 | 0 0 | 1 21 | 22 12 | 0 26 | 23 4 | 0 6 | 3 40 | 2 38 | 8 54 | 0 45 | 22 3 | 1 14 | 5 45 | 16 22 | 22 23 | 22 14 | 21 8 | 15 47 | 2 57 |
| T 3 | 15 9 | 21 54 | 0n44 | 7 15 | 1 52 | 0s26 | 1 23 | 22 14 | 0 22 | 23 4 | 0 6 | 3 38 | 2 38 | 8 53 | 0 45 | 22 3 | 1 14 | 5 45 | 16 22 | 22 23 | 22 15 | 21 9 | 15 46 | 2 57 |
| F 4 | 15 28 | 20 23 | 1 46 | 7 31 | 1 58 | 0 52 | 1 25 | 22 17 | 0 19 | 23 3 | 0 6 | 3 37 | 2 37 | 8 53 | 0 45 | 22 3 | 1 14 | 5 44 | 16 23 | 22 23 | 22 15 | 21 10 | 15 45 | 2 57 |
| S 5 | 15 46 | 17 53 | 2 44 | 7 51 | 2 1 | 1 19 | 1 27 | 22 19 | 0 16 | 23 3 | 0 6 | 3 36 | 2 37 | 8 52 | 0 45 | 22 3 | 1 14 | 5 43 | 16 23 | 22 23 | 22 16 | 21 11 | 15 44 | 2 57 |
| S 6 | 16 3 | 14 31 | 3 37 | 8 14 | 2 4 | 1 45 | 1 29 | 22 21 | 0 13 | 23 3 | 0 6 | 3 34 | 2 37 | 8 51 | 0 45 | 22 3 | 1 14 | 5 43 | 16 23 | 22 23 | 22 16 | 21 13 | 15 44 | 2 58 |
| M 7 | 16 21 | 10 22 | 4 19 | 8 39 | 2 6 | 2 12 | 1 31 | 22 23 | 0 10 | 23 2 | 0 6 | 3 33 | 2 37 | 8 51 | 0 45 | 22 3 | 1 14 | 5 42 | 16 23 | 22 23 | 22 16 | 21 14 | 15 43 | 2 58 |
| T 8 | 16 38 | 5 35 | 4 50 | 9 7 | 2 6 | 2 38 | 1 32 | 22 24 | 0 7 | 23 2 | 0 6 | 3 32 | 2 37 | 8 50 | 0 45 | 22 3 | 1 14 | 5 42 | 16 23 | 22 24 | 22 17 | 21 15 | 15 42 | 2 58 |
| W 9 | 16 55 | 0 22 | 5 4 | 9 36 | 2 6 | 3 5 | 1 34 | 22 26 | 0 3 | 23 1 | 0 6 | 3 31 | 2 37 | 8 49 | 0 45 | 22 3 | 1 14 | 5 41 | 16 24 | 22 25 | 22 17 | 21 16 | 15 41 | 2 58 |
| T 10 | 17 11 | 5s 3 | 5 1 | 10 7 | 2 4 | 3 32 | 1 36 | 22 28 | 0 0 | 23 1 | 0 6 | 3 29 | 2 37 | 8 48 | 0 45 | 22 3 | 1 14 | 5 41 | 16 24 | 22 26 | 22 18 | 21 17 | 15 40 | 2 58 |
| F 11 | 17 28 | 10 19 | 4 38 | 10 40 | 2 2 | 3 58 | 1 37 | 22 30 | 0n 3 | 23 0 | 0 5 | 3 28 | 2 37 | 8 48 | 0 45 | 22 3 | 1 14 | 5 40 | 16 24 | 22 27 | 22 18 | 21 18 | 15 39 | 2 58 |
| S 12 | 17 44 | 15 5 | 3 55 | 11 13 | 1 59 | 4 25 | 1 39 | 22 31 | 0 7 | 23 0 | 0 5 | 3 27 | 2 36 | 8 47 | 0 45 | 22 3 | 1 14 | 5 40 | 16 24 | 22 28 | 22 18 | 21 19 | 15 39 | 2 58 |
| S 13 | 17 59 | 18 55 | 2 56 | 11 47 | 1 56 | 4 51 | 1 40 | 22 32 | 0 10 | 22 59 | 0 5 | 3 26 | 2 36 | 8 47 | 0 45 | 22 3 | 1 14 | 5 39 | 16 24 | 22 29 | 22 19 | 21 20 | 15 38 | 2 58 |
| M14 | 18 15 | 21 28 | 1 45 | 12 21 | 1 52 | 5 18 | 1 41 | 22 34 | 0 13 | 22 59 | 0 5 | 3 25 | 2 36 | 8 46 | 0 45 | 22 3 | 1 14 | 5 39 | 16 25 | 22 29 | 22 19 | 21 21 | 15 37 | 2 58 |
| T 15 | 18 30 | 22 30 | 0 27 | 12 55 | 1 48 | 5 44 | 1 42 | 22 35 | 0 17 | 22 58 | 0 5 | 3 24 | 2 36 | 8 45 | 0 45 | 22 3 | 1 14 | 5 38 | 16 25 | 22 29 | 22 19 | 21 22 | 15 36 | 2 58 |
| W16 | 18 45 | 21 59 | 0s51 | 13 30 | 1 43 | 6 11 | 1 43 | 22 36 | 0 20 | 22 57 | 0 5 | 3 23 | 2 36 | 8 45 | 0 45 | 22 3 | 1 14 | 5 38 | 16 25 | 22 29 | 22 20 | 21 23 | 15 35 | 2 59 |
| T 17 | 18 59 | 20 3 | 2 4 | 14 4 | 1 38 | 6 37 | 1 44 | 22 37 | 0 23 | 22 57 | 0 5 | 3 22 | 2 36 | 8 44 | 0 45 | 22 3 | 1 14 | 5 37 | 16 26 | 22 29 | 22 20 | 21 24 | 15 35 | 2 59 |
| F 18 | 19 13 | 16 58 | 3 8 | 14 38 | 1 32 | 7 3 | 1 45 | 22 38 | 0 27 | 22 56 | 0 5 | 3 21 | 2 35 | 8 44 | 0 45 | 22 3 | 1 14 | 5 37 | 16 26 | 22 29 | 22 21 | 21 25 | 15 34 | 2 59 |
| S 19 | 19 27 | 13 4 | 4 0 | 15 12 | 1 26 | 7 29 | 1 46 | 22 39 | 0 30 | 22 55 | 0 5 | 3 20 | 2 35 | 8 43 | 0 45 | 22 3 | 1 14 | 5 36 | 16 26 | 22 29 | 22 21 | 21 27 | 15 33 | 2 59 |
| S 20 | 19 41 | 8 37 | 4 38 | 15 45 | 1 20 | 7 55 | 1 47 | 22 40 | 0 34 | 22 55 | 0 5 | 3 19 | 2 35 | 8 43 | 0 46 | 22 3 | 1 14 | 5 36 | 16 26 | 22 29 | 22 21 | 21 28 | 15 32 | 2 59 |
| M21 | 19 54 | 3 52 | 5 1 | 16 18 | 1 14 | 8 21 | 1 47 | 22 40 | 0 37 | 22 54 | 0 4 | 3 18 | 2 35 | 8 42 | 0 46 | 22 3 | 1 14 | 5 35 | 16 27 | 22 30 | 22 22 | 21 29 | 15 31 | 2 59 |
| T 22 | 20 6 | 0n57 | 5 9 | 16 50 | 1 7 | 8 47 | 1 48 | 22 41 | 0 40 | 22 53 | 0 4 | 3 17 | 2 35 | 8 42 | 0 46 | 22 3 | 1 14 | 5 35 | 16 27 | 22 31 | 22 22 | 21 30 | 15 31 | 2 59 |
| W23 | 20 19 | 5 39 | 5 2 | 17 21 | 1 1 | 9 12 | 1 48 | 22 41 | 0 44 | 22 52 | 0 4 | 3 17 | 2 34 | 8 42 | 0 46 | 22 3 | 1 13 | 5 35 | 16 27 | 22 31 | 22 22 | 21 31 | 15 30 | 2 59 |
| T 24 | 20 31 | 10 5 | 4 40 | 17 52 | 0 54 | 9 38 | 1 48 | 22 41 | 0 47 | 22 51 | 0 4 | 3 16 | 2 34 | 8 41 | 0 46 | 22 3 | 1 13 | 5 34 | 16 28 | 22 32 | 22 23 | 21 32 | 15 29 | 2 59 |
| F 25 | 20 42 | 14 3 | 4 7 | 18 22 | 0 47 | 10 3 | 1 49 | 22 42 | 0 50 | 22 51 | 0 4 | 3 15 | 2 34 | 8 41 | 0 46 | 22 3 | 1 13 | 5 34 | 16 28 | 22 33 | 22 23 | 21 33 | 15 28 | 2 59 |
| S 26 | 20 54 | 17 25 | 3 23 | 18 51 | 0 41 | 10 28 | 1 49 | 22 42 | 0 54 | 22 50 | 0 4 | 3 15 | 2 34 | 8 40 | 0 46 | 22 3 | 1 13 | 5 34 | 16 28 | 22 34 | 22 24 | 21 34 | 15 28 | 2 59 |
| S 27 | 21 5 | 20 2 | 2 30 | 19 19 | 0 34 | 10 53 | 1 49 | 22 42 | 0 57 | 22 49 | 0 4 | 3 14 | 2 34 | 8 40 | 0 46 | 22 3 | 1 13 | 5 33 | 16 29 | 22 34 | 22 24 | 21 35 | 15 27 | 2 59 |
| M28 | 21 15 | 21 46 | 1 31 | 19 46 | 0 27 | 11 17 | 1 49 | 22 42 | 1 0 | 22 48 | 0 4 | 3 13 | 2 33 | 8 40 | 0 46 | 22 3 | 1 13 | 5 33 | 16 29 | 22 35 | 22 24 | 21 36 | 15 26 | 2 59 |
| T 29 | 21 25 | 22 33 | 0 28 | 20 12 | 0 20 | 11 42 | 1 49 | 22 41 | 1 3 | 22 47 | 0 4 | 3 13 | 2 33 | 8 40 | 0 46 | 22 3 | 1 13 | 5 33 | 16 30 | 22 35 | 22 25 | 21 37 | 15 25 | 2 59 |
| W30 | 21s35 | 22n20 | 0n37 | 20s37 | 0n13 | 12s 6 | 1n49 | 22n41 | 1n 6 | 22s46 | 0n 4 | 3n12 | 2s33 | 8n39 | 0n46 | 22s 3 | 1n13 | 5n32 | 16n30 | 22n35 | 22n25 | 21n38 | 15n25 | 2s59 |

Julian Day Number = 2805404.5, Delta T = 51m32s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°18'07, Lahiri = 37°25'08


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# ASTRODIENST EPHEMERIS for the year 2968
# geocentric

## DECEMBER 2968 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 43 5 | 9♐20'45 | 2♌35 | 5♐35 | 8♏19 | 8°R 3 | 11♑36 | 14°R 9 | 9♍34 | 3♑14 | 25♎41 | 14♋ 1 | 15♋27 | 26♊59 | 22°R28 | T 1 |
| F 2 | 4 47 1 | 10°21'10 | 14°34 | 7°11 | 9°33 | 7♊42 | 11°49 | 14♈ 7 | 9°35 | 3°16 | 25°43 | 14° 3 | 15°24 | 27° 5 | 22♉25 | F 2 |
| S 3 | 4 50 58 | 11°21'36 | 26°46 | 8°47 | 10°47 | 7°21 | 12° 1 | 14° 6 | 9°36 | 3°18 | 25°45 | 14° 5 | 15°21 | 27°12 | 22°22 | S 3 |
| S 4 | 4 54 54 | 12°22'04 | 9♍14 | 10°23 | 12° 1 | 7° 0 | 12°14 | 14° 4 | 9°36 | 3°20 | 25°46 | 14°R 6 | 15°18 | 27°19 | 22°20 | S 4 |
| M 5 | 4 58 51 | 13°22'34 | 22° 5 | 11°58 | 13°15 | 6°40 | 12°27 | 14° 3 | 9°37 | 3°22 | 25°48 | 14° 5 | 15°14 | 27°25 | 22°17 | M 5 |
| T 6 | 5 2 47 | 14°23'05 | 5♎21 | 13°33 | 14°29 | 6°20 | 12°40 | 14° 2 | 9°37 | 3°24 | 25°50 | 14° 4 | 15°11 | 27°32 | 22°14 | T 6 |
| W 7 | 5 6 44 | 15°23'38 | 19° 5 | 15° 8 | 15°43 | 6° 0 | 12°52 | 14° 1 | 9°38 | 3°27 | 25°52 | 14° 1 | 15° 8 | 27°39 | 22°12 | W 7 |
| T 8 | 5 10 40 | 16°24'13 | 3♏17 | 16°43 | 16°57 | 5°40 | 13° 5 | 14° 0 | 9°38 | 3°29 | 25°53 | 13°57 | 15° 5 | 27°45 | 22° 9 | T 8 |
| F 9 | 5 14 37 | 17°24'50 | 17°56 | 18°17 | 18°12 | 5°22 | 13°18 | 13°59 | 9°39 | 3°31 | 25°55 | 13°53 | 15° 2 | 27°52 | 22° 6 | F 9 |
| S 10 | 5 18 34 | 18°25'28 | 2♐56 | 19°51 | 19°26 | 5° 3 | 13°31 | 13°58 | 9°39 | 3°33 | 25°57 | 13°49 | 14°59 | 27°59 | 22° 4 | S 10 |
| S 11 | 5 22 30 | 19°26'08 | 18° 7 | 21°26 | 20°40 | 4°46 | 13°45 | 13°58 | 9°39 | 3°35 | 25°58 | 13°47 | 14°55 | 28° 5 | 22° 1 | S 11 |
| M12 | 5 26 27 | 20°26'49 | 3♑21 | 23° 0 | 21°54 | 4°29 | 13°58 | 13°57 | 9°39 | 3°38 | 26° 0 | 13°45 | 14°52 | 28°12 | 21°59 | M12 |
| T 13 | 5 30 23 | 21°27'32 | 18°28 | 24°34 | 23° 9 | 4°12 | 14°11 | 13°57 | 9°39 | 3°40 | 26° 1 | 13°D45 | 14°49 | 28°19 | 21°56 | T 13 |
| W14 | 5 34 20 | 22°28'15 | 3♒18 | 26° 8 | 24°23 | 3°56 | 14°24 | 13°56 | 9°R39 | 3°42 | 26° 3 | 13°46 | 14°46 | 28°25 | 21°54 | W14 |
| T 15 | 5 38 16 | 23°29'00 | 17°46 | 27°42 | 25°38 | 3°41 | 14°37 | 13°56 | 9°39 | 3°44 | 26° 4 | 13°47 | 14°43 | 28°32 | 21°51 | T 15 |
| F 16 | 5 42 13 | 24°29'45 | 1♓49 | 29°15 | 26°52 | 3°27 | 14°51 | 13°D56 | 9°39 | 3°46 | 26° 6 | 13°49 | 14°39 | 28°39 | 21°49 | F 16 |
| S 17 | 5 46 9 | 25°30'31 | 15°26 | 0♑49 | 28° 7 | 3°13 | 15° 4 | 13°56 | 9°39 | 3°49 | 26° 7 | 13°50 | 14°36 | 28°45 | 21°46 | S 17 |
| S 18 | 5 50 6 | 26°31'18 | 28°39 | 2°23 | 29°21 | 3° 0 | 15°17 | 13°56 | 9°39 | 3°51 | 26° 9 | 13°R50 | 14°33 | 28°52 | 21°44 | S 18 |
| M19 | 5 54 3 | 27°32'06 | 11♈30 | 3°56 | 0♐36 | 2°48 | 15°31 | 13°56 | 9°39 | 3°53 | 26°10 | 13°49 | 14°30 | 28°58 | 21°42 | M19 |
| T 20 | 5 57 59 | 28°32'55 | 24° 3 | 5°30 | 1°50 | 2°37 | 15°44 | 13°57 | 9°38 | 3°55 | 26°11 | 13°48 | 14°27 | 29° 5 | 21°40 | T 20 |
| W21 | 6 1 56 | 29°33'44 | 6♉20 | 7° 3 | 3° 5 | 2°26 | 15°57 | 13°57 | 9°38 | 3°58 | 26°13 | 13°46 | 14°24 | 29°12 | 21°37 | W21 |
| T 22 | 6 5 52 | 0♑34'35 | 18°27 | 8°37 | 4°19 | 2°17 | 16°11 | 13°58 | 9°38 | 4° 0 | 26°14 | 13°44 | 14°20 | 29°18 | 21°35 | T 22 |
| F 23 | 6 9 49 | 1°35'26 | 0♊25 | 10°11 | 5°34 | 2° 8 | 16°24 | 13°58 | 9°37 | 4° 2 | 26°15 | 13°42 | 14°17 | 29°25 | 21°33 | F 23 |
| S 24 | 6 13 45 | 2°36'18 | 12°17 | 11°44 | 6°49 | 2° 0 | 16°38 | 13°59 | 9°37 | 4° 4 | 26°16 | 13°40 | 14°14 | 29°32 | 21°31 | S 24 |
| S 25 | 6 17 42 | 3°37'11 | 24° 6 | 13°18 | 8° 3 | 1°52 | 16°52 | 14° 0 | 9°36 | 4° 7 | 26°17 | 13°39 | 14°11 | 29°38 | 21°29 | S 25 |
| M26 | 6 21 39 | 4°38'05 | 5♋54 | 14°51 | 9°18 | 1°46 | 17° 5 | 14° 1 | 9°36 | 4° 9 | 26°19 | 13°39 | 14° 8 | 29°45 | 21°27 | M26 |
| T 27 | 6 25 35 | 5°39'00 | 17°43 | 16°25 | 10°33 | 1°40 | 17°19 | 14° 2 | 9°35 | 4°11 | 26°20 | 13°D38 | 14° 5 | 29°52 | 21°25 | T 27 |
| W28 | 6 29 32 | 6°39'56 | 29°35 | 17°58 | 11°48 | 1°36 | 17°32 | 14° 3 | 9°34 | 4°14 | 26°21 | 13°39 | 14° 1 | 29°58 | 21°23 | W28 |
| T 29 | 6 33 28 | 7°40'52 | 11♌33 | 19°31 | 13° 2 | 1°32 | 17°46 | 14° 4 | 9°33 | 4°16 | 26°22 | 13°39 | 13°58 | 0♋ 5 | 21°22 | T 29 |
| F 30 | 6 37 25 | 8°41'50 | 23°39 | 21° 5 | 14°17 | 1°29 | 18° 0 | 14° 6 | 9°33 | 4°18 | 26°23 | 13°40 | 13°55 | 0°12 | 21°20 | F 30 |
| S 31 | 6 41 21 | 9♑42'48 | 5♍56 | 22♑38 | 15♐32 | 1♊26 | 18♑13 | 14♈ 7 | 9♍32 | 4♑20 | 26♎24 | 13♋40 | 13♋52 | 0♋18 | 21♉18 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s44 | 21n 6 | 1n40 | 21s 1 | 0n 6 | 12s30 | 1n48 | 22n41 | 1n 9 | 22s45 | 0n 3 | 3n12 | 2s33 | 8n39 | 0n46 | 22s 3 | 1n13 | 5n32 | 16n30 | 22n35 | 22n25 | 21n39 | 15n24 | 2s59 |
| F 2 | 21 53 | 18 55 | 2 40 | 21 25 | 0s 1 | 12 53 | 1 48 | 22 40 | 1 12 | 22 44 | 0 3 | 3 12 | 2 33 | 8 39 | 0 46 | 22 3 | 1 13 | 5 32 | 16 31 | 22 35 | 22 26 | 21 40 | 15 23 | 2 59 |
| S 3 | 22 1 | 15 52 | 3 33 | 21 47 | 0 8 | 13 17 | 1 48 | 22 40 | 1 15 | 22 43 | 0 3 | 3 11 | 2 32 | 8 39 | 0 46 | 22 3 | 1 13 | 5 32 | 16 31 | 22 34 | 22 26 | 21 41 | 15 22 | 2 59 |
| S 4 | 22 9 | 12 3 | 4 18 | 22 7 | 0 14 | 13 40 | 1 47 | 22 39 | 1 18 | 22 42 | 0 3 | 3 11 | 2 32 | 8 38 | 0 46 | 22 3 | 1 13 | 5 31 | 16 32 | 22 34 | 22 26 | 21 42 | 15 22 | 2 59 |
| M 5 | 22 17 | 7 35 | 4 51 | 22 27 | 0 21 | 14 2 | 1 47 | 22 38 | 1 21 | 22 41 | 0 3 | 3 11 | 2 32 | 8 38 | 0 46 | 22 3 | 1 13 | 5 31 | 16 32 | 22 34 | 22 27 | 21 43 | 15 21 | 2 59 |
| T 6 | 22 24 | 2 39 | 5 10 | 22 46 | 0 28 | 14 25 | 1 46 | 22 38 | 1 24 | 22 40 | 0 3 | 3 10 | 2 32 | 8 38 | 0 46 | 22 3 | 1 13 | 5 31 | 16 32 | 22 34 | 22 27 | 21 44 | 15 20 | 2 59 |
| W 7 | 22 31 | 2s36 | 5 13 | 23 3 | 0 34 | 14 47 | 1 45 | 22 37 | 1 26 | 22 39 | 0 3 | 3 10 | 2 31 | 8 38 | 0 46 | 22 3 | 1 13 | 5 31 | 16 33 | 22 35 | 22 28 | 21 45 | 15 20 | 2 59 |
| T 8 | 22 37 | 7 54 | 4 56 | 23 20 | 0 41 | 15 9 | 1 44 | 22 36 | 1 29 | 22 38 | 0 3 | 3 10 | 2 31 | 8 38 | 0 46 | 22 3 | 1 13 | 5 31 | 16 33 | 22 35 | 22 28 | 21 45 | 15 19 | 2 59 |
| F 9 | 22 43 | 12 55 | 4 21 | 23 35 | 0 47 | 15 30 | 1 44 | 22 35 | 1 32 | 22 36 | 0 3 | 3 10 | 2 31 | 8 38 | 0 46 | 22 3 | 1 13 | 5 31 | 16 34 | 22 36 | 22 28 | 21 46 | 15 18 | 2 59 |
| S 10 | 22 49 | 17 16 | 3 26 | 23 49 | 0 53 | 15 51 | 1 43 | 22 34 | 1 34 | 22 35 | 0 3 | 3 10 | 2 31 | 8 38 | 0 46 | 22 3 | 1 13 | 5 30 | 16 34 | 22 36 | 22 29 | 21 47 | 15 18 | 2 59 |
| S 11 | 22 54 | 20 31 | 2 17 | 24 1 | 0 59 | 16 12 | 1 42 | 22 33 | 1 36 | 22 34 | 0 3 | 3 10 | 2 30 | 8 38 | 0 46 | 22 3 | 1 13 | 5 30 | 16 35 | 22 36 | 22 29 | 21 48 | 15 17 | 2 59 |
| M12 | 22 58 | 22 19 | 0 57 | 24 13 | 1 5 | 16 32 | 1 40 | 22 33 | 1 39 | 22 33 | 0 2 | 3 10 | 2 30 | 8 38 | 0 47 | 22 3 | 1 13 | 5 30 | 16 35 | 22 36 | 22 29 | 21 49 | 15 16 | 2 59 |
| T 13 | 23 2 | 22 29 | 0s26 | 24 23 | 1 11 | 16 52 | 1 39 | 22 32 | 1 41 | 22 31 | 0 2 | 3 10 | 2 30 | 8 38 | 0 47 | 22 3 | 1 13 | 5 30 | 16 36 | 22 36 | 22 30 | 21 50 | 15 16 | 2 59 |
| W14 | 23 6 | 21 2 | 1 46 | 24 32 | 1 16 | 17 11 | 1 38 | 22 31 | 1 43 | 22 30 | 0 2 | 3 10 | 2 30 | 8 38 | 0 47 | 22 3 | 1 13 | 5 30 | 16 36 | 22 36 | 22 30 | 21 51 | 15 15 | 2 59 |
| T 15 | 23 9 | 18 14 | 2 57 | 24 39 | 1 22 | 17 30 | 1 37 | 22 30 | 1 45 | 22 29 | 0 2 | 3 10 | 2 30 | 8 38 | 0 47 | 22 3 | 1 13 | 5 30 | 16 36 | 22 36 | 22 30 | 21 52 | 15 15 | 2 59 |
| F 16 | 23 12 | 14 26 | 3 55 | 24 46 | 1 27 | 17 48 | 1 35 | 22 29 | 1 47 | 22 27 | 0 2 | 3 10 | 2 29 | 8 38 | 0 47 | 22 3 | 1 13 | 5 30 | 16 37 | 22 36 | 22 31 | 21 53 | 15 14 | 2 59 |
| S 17 | 23 14 | 10 0 | 4 39 | 24 51 | 1 32 | 18 6 | 1 34 | 22 29 | 1 49 | 22 26 | 0 2 | 3 11 | 2 29 | 8 38 | 0 47 | 22 3 | 1 13 | 5 30 | 16 37 | 22 36 | 22 31 | 21 54 | 15 13 | 2 59 |
| S 18 | 23 16 | 5 13 | 5 6 | 24 54 | 1 37 | 18 24 | 1 33 | 22 28 | 1 51 | 22 25 | 0 2 | 3 11 | 2 29 | 8 38 | 0 47 | 22 2 | 1 13 | 5 30 | 16 38 | 22 36 | 22 31 | 21 55 | 15 13 | 2 59 |
| M19 | 23 17 | 0 20 | 5 16 | 24 57 | 1 41 | 18 41 | 1 31 | 22 27 | 1 53 | 22 23 | 0 2 | 3 11 | 2 29 | 8 38 | 0 47 | 22 2 | 1 13 | 5 30 | 16 38 | 22 36 | 22 32 | 21 56 | 15 12 | 2 59 |
| T 20 | 23 18 | 4n27 | 5 11 | 24 58 | 1 46 | 18 58 | 1 29 | 22 27 | 1 55 | 22 22 | 0 2 | 3 11 | 2 28 | 8 38 | 0 47 | 22 2 | 1 13 | 5 30 | 16 39 | 22 36 | 22 32 | 21 57 | 15 12 | 2 59 |
| W21 | 23 19 | 8 57 | 4 52 | 24 57 | 1 50 | 19 14 | 1 28 | 22 26 | 1 56 | 22 20 | 0 2 | 3 12 | 2 28 | 8 38 | 0 47 | 22 2 | 1 13 | 5 30 | 16 39 | 22 36 | 22 32 | 21 58 | 15 11 | 2 59 |
| T 22 | 23 19 | 13 3 | 4 21 | 24 56 | 1 54 | 19 29 | 1 26 | 22 26 | 1 58 | 22 19 | 0 1 | 3 12 | 2 28 | 8 39 | 0 47 | 22 2 | 1 13 | 5 30 | 16 40 | 22 37 | 22 33 | 21 58 | 15 11 | 2 59 |
| F 23 | 23 18 | 16 35 | 3 38 | 24 53 | 1 57 | 19 44 | 1 24 | 22 26 | 1 59 | 22 17 | 0 1 | 3 13 | 2 28 | 8 39 | 0 47 | 22 2 | 1 13 | 5 30 | 16 40 | 22 37 | 22 33 | 21 59 | 15 10 | 2 59 |
| S 24 | 23 17 | 19 25 | 2 45 | 24 48 | 2 1 | 19 59 | 1 22 | 22 26 | 2 1 | 22 16 | 0 1 | 3 13 | 2 27 | 8 39 | 0 47 | 22 2 | 1 13 | 5 30 | 16 41 | 22 37 | 22 33 | 22 0 | 15 10 | 2 59 |
| S 25 | 23 16 | 21 25 | 1 46 | 24 42 | 2 4 | 20 13 | 1 21 | 22 25 | 2 2 | 22 14 | 0 1 | 3 14 | 2 27 | 8 39 | 0 47 | 22 2 | 1 13 | 5 30 | 16 42 | 22 37 | 22 34 | 22 1 | 15 9 | 2 59 |
| M26 | 23 14 | 22 28 | 0 43 | 24 35 | 2 6 | 20 26 | 1 19 | 22 25 | 2 4 | 22 13 | 0 1 | 3 14 | 2 27 | 8 40 | 0 47 | 22 2 | 1 13 | 5 30 | 16 42 | 22 37 | 22 34 | 22 2 | 15 9 | 2 59 |
| T 27 | 23 12 | 22 31 | 0n23 | 24 26 | 2 9 | 20 39 | 1 17 | 22 26 | 2 5 | 22 11 | 0 1 | 3 15 | 2 27 | 8 40 | 0 47 | 22 2 | 1 13 | 5 30 | 16 43 | 22 37 | 22 34 | 22 3 | 15 8 | 2 59 |
| W28 | 23 9 | 21 33 | 1 28 | 24 16 | 2 11 | 20 51 | 1 15 | 22 26 | 2 6 | 22 9 | 0 1 | 3 16 | 2 26 | 8 40 | 0 47 | 22 2 | 1 13 | 5 30 | 16 43 | 22 37 | 22 35 | 22 4 | 15 8 | 2 59 |
| T 29 | 23 5 | 19 37 | 2 29 | 24 5 | 2 12 | 21 3 | 1 13 | 22 26 | 2 7 | 22 8 | 0 1 | 3 16 | 2 26 | 8 41 | 0 47 | 22 2 | 1 13 | 5 31 | 16 44 | 22 37 | 22 35 | 22 4 | 15 7 | 2 59 |
| F 30 | 23 2 | 16 47 | 3 25 | 23 52 | 2 14 | 21 14 | 1 10 | 22 26 | 2 8 | 22 6 | 0 1 | 3 17 | 2 26 | 8 41 | 0 47 | 22 2 | 1 13 | 5 31 | 16 44 | 22 37 | 22 35 | 22 5 | 15 7 | 2 59 |
| S 31 | 22s58 | 13n11 | 4n12 | 23s38 | 2s15 | 21s24 | 1n 8 | 22n27 | 2n 9 | 22s 4 | 0n 1 | 3n18 | 2s26 | 8n41 | 0n47 | 22s 2 | 1n13 | 5n31 | 16n45 | 22n37 | 22n36 | 22n 6 | 15n 7 | 2s59 |

Julian Day Number = 2805434.5, Delta T = 51m33s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°18'12, Lahiri = 37°25'12


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# ASTRODIENST EPHEMERIS for the year 2969
# geocentric

## JANUARY 2969 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 45 18 | 10♑43'47 | 18♍27 | 24♑11 | 16♐47 | 1°R25 | 18♑27 | 14♈ 9 | 9°R31 | 4♑23 | 26♎25 | 13♋41 | 13♋49 | 0♋25 | 21°R16 | S 1 |
| M 2 | 6 49 14 | 11°44'48 | 1♎16 | 25°43 | 18° 2 | 1°D24 | 18°41 | 14°11 | 9♍30 | 4°25 | 26°26 | 13°41 | 13°45 | 0°32 | 21♉15 | M 2 |
| T 3 | 6 53 11 | 12°45'49 | 14°26 | 27°15 | 19°17 | 1♊24 | 18°55 | 14°12 | 9°29 | 4°27 | 26°27 | 13°R41 | 13°42 | 0°38 | 21°13 | T 3 |
| W 4 | 6 57 8 | 13°46'51 | 27°59 | 28°47 | 20°32 | 1°25 | 19° 8 | 14°14 | 9°28 | 4°29 | 26°28 | 13°D41 | 13°39 | 0°45 | 21°12 | W 4 |
| T 5 | 7 1 4 | 14°47'54 | 11♏57 | 0♒18 | 21°47 | 1°26 | 19°22 | 14°16 | 9°26 | 4°32 | 26°28 | 13°41 | 13°36 | 0°52 | 21°10 | T 5 |
| F 6 | 7 5 1 | 15°48'57 | 26°20 | 1°49 | 23° 2 | 1°29 | 19°36 | 14°19 | 9°25 | 4°34 | 26°29 | 13°41 | 13°33 | 0°58 | 21° 9 | F 6 |
| S 7 | 7 8 57 | 16°50'02 | 11♐ 4 | 3°19 | 24°17 | 1°32 | 19°50 | 14°21 | 9°24 | 4°36 | 26°30 | 13°41 | 13°30 | 1° 5 | 21° 7 | S 7 |
| S 8 | 7 12 54 | 17°51'07 | 26° 5 | 4°47 | 25°32 | 1°36 | 20° 3 | 14°23 | 9°23 | 4°38 | 26°31 | 13°42 | 13°26 | 1°11 | 21° 6 | S 8 |
| M 9 | 7 16 50 | 18°52'13 | 11♑14 | 6°15 | 26°47 | 1°40 | 20°17 | 14°26 | 9°21 | 4°40 | 26°31 | 13°R42 | 13°23 | 1°18 | 21° 5 | M 9 |
| T 10 | 7 20 47 | 19°53'20 | 26°23 | 7°41 | 28° 2 | 1°46 | 20°31 | 14°28 | 9°20 | 4°43 | 26°32 | 13°42 | 13°20 | 1°25 | 21° 4 | T 10 |
| W11 | 7 24 43 | 20°54'26 | 11♒22 | 9° 5 | 29°17 | 1°52 | 20°45 | 14°31 | 9°19 | 4°45 | 26°33 | 13°41 | 13°17 | 1°31 | 21° 2 | W11 |
| T 12 | 7 28 40 | 21°55'33 | 26° 2 | 10°26 | 0♑32 | 1°58 | 20°59 | 14°34 | 9°17 | 4°47 | 26°33 | 13°41 | 13°14 | 1°38 | 21° 1 | T 12 |
| F 13 | 7 32 37 | 22°56'40 | 10♓19 | 11°46 | 1°47 | 2° 6 | 21°12 | 14°36 | 9°16 | 4°49 | 26°34 | 13°39 | 13°11 | 1°45 | 21° 0 | F 13 |
| S 14 | 7 36 33 | 23°57'46 | 24° 8 | 13° 2 | 3° 2 | 2°14 | 21°26 | 14°39 | 9°14 | 4°51 | 26°34 | 13°38 | 13° 7 | 1°51 | 20°59 | S 14 |
| S 15 | 7 40 30 | 24°58'53 | 7♈30 | 14°15 | 4°17 | 2°23 | 21°40 | 14°42 | 9°12 | 4°54 | 26°35 | 13°37 | 13° 4 | 1°58 | 20°58 | S 15 |
| M16 | 7 44 26 | 25°59'59 | 20°26 | 15°23 | 5°32 | 2°32 | 21°54 | 14°46 | 9°11 | 4°56 | 26°35 | 13°D37 | 13° 1 | 2° 5 | 20°58 | M16 |
| T 17 | 7 48 23 | 27° 1'06 | 3♉ 0 | 16°27 | 6°47 | 2°43 | 22° 8 | 14°49 | 9° 9 | 4°58 | 26°36 | 13°37 | 12°58 | 2°11 | 20°57 | T 17 |
| W18 | 7 52 19 | 28° 2'12 | 15°16 | 17°25 | 8° 2 | 2°53 | 22°21 | 14°52 | 9° 7 | 5° 0 | 26°36 | 13°37 | 12°55 | 2°18 | 20°56 | W18 |
| T 19 | 7 56 16 | 29° 3'18 | 27°17 | 18°16 | 9°17 | 3° 5 | 22°35 | 14°56 | 9° 5 | 5° 2 | 26°36 | 13°39 | 12°51 | 2°25 | 20°55 | T 19 |
| F 20 | 8 0 12 | 0♒ 4'24 | 9♊10 | 19° 1 | 10°33 | 3°17 | 22°49 | 14°59 | 9° 4 | 5° 4 | 26°37 | 13°40 | 12°48 | 2°31 | 20°55 | F 20 |
| S 21 | 8 4 9 | 1° 5'30 | 20°58 | 19°37 | 11°48 | 3°29 | 23° 3 | 15° 3 | 9° 2 | 5° 6 | 26°37 | 13°42 | 12°45 | 2°38 | 20°54 | S 21 |
| S 22 | 8 8 6 | 2° 6'35 | 2♋45 | 20° 4 | 13° 3 | 3°42 | 23°16 | 15° 6 | 9° 0 | 5° 8 | 26°37 | 13°43 | 12°42 | 2°45 | 20°54 | S 22 |
| M23 | 8 12 2 | 3° 7'40 | 14°35 | 20°21 | 14°18 | 3°56 | 23°30 | 15°10 | 8°58 | 5°10 | 26°37 | 13°R43 | 12°39 | 2°51 | 20°53 | M23 |
| T 24 | 8 15 59 | 4° 8'45 | 26°29 | 20°R27 | 15°33 | 4°10 | 23°44 | 15°14 | 8°56 | 5°12 | 26°38 | 13°42 | 12°36 | 2°58 | 20°53 | T 24 |
| W25 | 8 19 55 | 5° 9'50 | 8♌30 | 20°22 | 16°48 | 4°25 | 23°58 | 15°18 | 8°54 | 5°14 | 26°38 | 13°41 | 12°32 | 3° 4 | 20°52 | W25 |
| T 26 | 8 23 52 | 6°10'55 | 20°39 | 20° 5 | 18° 3 | 4°40 | 24°11 | 15°22 | 8°52 | 5°16 | 26°38 | 13°38 | 12°29 | 3°11 | 20°52 | T 26 |
| F 27 | 8 27 48 | 7°11'59 | 2♍59 | 19°37 | 19°19 | 4°56 | 24°25 | 15°26 | 8°50 | 5°18 | 26°38 | 13°34 | 12°26 | 3°18 | 20°52 | F 27 |
| S 28 | 8 31 45 | 8°13'03 | 15°30 | 18°56 | 20°34 | 5°12 | 24°38 | 15°30 | 8°48 | 5°20 | 26°R38 | 13°30 | 12°23 | 3°24 | 20°52 | S 28 |
| S 29 | 8 35 41 | 9°14'07 | 28°14 | 18° 5 | 21°49 | 5°29 | 24°52 | 15°35 | 8°45 | 5°22 | 26°38 | 13°26 | 12°20 | 3°31 | 20°52 | S 29 |
| M30 | 8 39 38 | 10°15'11 | 11♎11 | 17° 5 | 23° 4 | 5°46 | 25° 6 | 15°39 | 8°43 | 5°24 | 26°38 | 13°22 | 12°17 | 3°38 | 20°D52 | M30 |
| T 31 | 8 43 35 | 11♒16'14 | 24♎24 | 15♒57 | 24♑19 | 6♊ 4 | 25♑19 | 15♈44 | 8♍41 | 5♑26 | 26♎38 | 13♋20 | 12♋13 | 3♋44 | 20♉52 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s53 | 8n58 | 4n48 | 23s23 | 2s15 | 21s34 | 1n 6 | 22n28 | 2n10 | 22s 2 | 0n 1 | 3n19 | 2s25 | 8n42 | 0n47 | 22s 2 | 1n13 | 5n31 | 16n45 | 22n37 | 22n36 | 22n 7 | 15n 6 | 2s59 |
| M 2 | 22 48 | 4 15 | 5 11 | 23 6 | 2 15 | 21 43 | 1 4 | 22 28 | 2 11 | 22 1 | 0 0 | 3 20 | 2 25 | 8 42 | 0 47 | 22 2 | 1 13 | 5 31 | 16 46 | 22 37 | 22 36 | 22 8 | 15 6 | 2 59 |
| T 3 | 22 42 | 0s46 | 5 18 | 22 48 | 2 15 | 21 51 | 1 2 | 22 29 | 2 12 | 21 59 | 0 0 | 3 21 | 2 25 | 8 43 | 0 47 | 22 1 | 1 13 | 5 32 | 16 46 | 22 37 | 22 37 | 22 9 | 15 6 | 2 59 |
| W 4 | 22 36 | 5 54 | 5 8 | 22 28 | 2 14 | 21 59 | 0 59 | 22 30 | 2 13 | 21 57 | 0 0 | 3 22 | 2 25 | 8 43 | 0 48 | 22 1 | 1 13 | 5 32 | 16 47 | 22 37 | 22 37 | 22 10 | 15 5 | 2 59 |
| T 5 | 22 30 | 10 53 | 4 40 | 22 8 | 2 12 | 22 7 | 0 57 | 22 31 | 2 13 | 21 55 | 0 0 | 3 23 | 2 24 | 8 43 | 0 48 | 22 1 | 1 13 | 5 32 | 16 48 | 22 37 | 22 37 | 22 10 | 15 5 | 2 59 |
| F 6 | 22 23 | 15 26 | 3 54 | 21 46 | 2 10 | 22 13 | 0 55 | 22 32 | 2 14 | 21 53 | 0 0 | 3 24 | 2 24 | 8 44 | 0 48 | 22 1 | 1 13 | 5 32 | 16 48 | 22 37 | 22 38 | 22 11 | 15 5 | 2 58 |
| S 7 | 22 16 | 19 9 | 2 52 | 21 22 | 2 7 | 22 19 | 0 52 | 22 33 | 2 15 | 21 51 | 0 0 | 3 25 | 2 24 | 8 44 | 0 48 | 22 1 | 1 13 | 5 33 | 16 49 | 22 37 | 22 38 | 22 12 | 15 4 | 2 58 |
| S 8 | 22 8 | 21 39 | 1 37 | 20 58 | 2 4 | 22 24 | 0 50 | 22 35 | 2 15 | 21 49 | 0s 0 | 3 26 | 2 24 | 8 45 | 0 48 | 22 1 | 1 13 | 5 33 | 16 49 | 22 37 | 22 38 | 22 13 | 15 4 | 2 58 |
| M 9 | 22 0 | 22 37 | 0 14 | 20 33 | 2 0 | 22 29 | 0 47 | 22 36 | 2 16 | 21 48 | 0 0 | 3 27 | 2 23 | 8 45 | 0 48 | 22 1 | 1 13 | 5 33 | 16 50 | 22 37 | 22 39 | 22 14 | 15 4 | 2 58 |
| T 10 | 21 51 | 21 55 | 1s10 | 20 6 | 1 55 | 22 33 | 0 45 | 22 38 | 2 16 | 21 46 | 0 0 | 3 28 | 2 23 | 8 46 | 0 48 | 22 1 | 1 13 | 5 33 | 16 50 | 22 37 | 22 39 | 22 14 | 15 4 | 2 58 |
| W11 | 21 42 | 19 39 | 2 28 | 19 39 | 1 49 | 22 36 | 0 42 | 22 40 | 2 17 | 21 44 | 0 0 | 3 29 | 2 23 | 8 47 | 0 48 | 22 1 | 1 13 | 5 34 | 16 51 | 22 37 | 22 39 | 22 15 | 15 3 | 2 58 |
| T 12 | 21 32 | 16 8 | 3 34 | 19 11 | 1 43 | 22 39 | 0 40 | 22 41 | 2 17 | 21 42 | 0 0 | 3 31 | 2 23 | 8 47 | 0 48 | 22 1 | 1 13 | 5 34 | 16 52 | 22 37 | 22 40 | 22 16 | 15 3 | 2 58 |
| F 13 | 21 22 | 11 45 | 4 25 | 18 42 | 1 36 | 22 41 | 0 37 | 22 43 | 2 18 | 21 40 | 0 0 | 3 32 | 2 23 | 8 48 | 0 48 | 22 1 | 1 13 | 5 34 | 16 52 | 22 37 | 22 40 | 22 17 | 15 3 | 2 58 |
| S 14 | 21 12 | 6 54 | 4 59 | 18 13 | 1 28 | 22 42 | 0 35 | 22 45 | 2 18 | 21 38 | 0 1 | 3 33 | 2 22 | 8 48 | 0 48 | 22 1 | 1 13 | 5 35 | 16 53 | 22 37 | 22 40 | 22 18 | 15 3 | 2 58 |
| S 15 | 21 1 | 1 53 | 5 16 | 17 43 | 1 18 | 22 42 | 0 32 | 22 47 | 2 18 | 21 35 | 0 1 | 3 35 | 2 22 | 8 49 | 0 48 | 22 1 | 1 13 | 5 35 | 16 53 | 22 37 | 22 40 | 22 18 | 15 3 | 2 58 |
| M16 | 20 50 | 3n 4 | 5 15 | 17 14 | 1 8 | 22 42 | 0 30 | 22 49 | 2 19 | 21 33 | 0 1 | 3 36 | 2 22 | 8 50 | 0 48 | 22 0 | 1 13 | 5 36 | 16 54 | 22 37 | 22 41 | 22 19 | 15 3 | 2 58 |
| T 17 | 20 39 | 7 45 | 5 0 | 16 44 | 0 57 | 22 41 | 0 27 | 22 52 | 2 19 | 21 31 | 0 1 | 3 38 | 2 22 | 8 50 | 0 48 | 22 0 | 1 13 | 5 36 | 16 55 | 22 37 | 22 41 | 22 20 | 15 2 | 2 58 |
| W18 | 20 27 | 12 1 | 4 30 | 16 15 | 0 45 | 22 40 | 0 25 | 22 54 | 2 19 | 21 29 | 0 1 | 3 39 | 2 21 | 8 51 | 0 48 | 22 0 | 1 13 | 5 36 | 16 55 | 22 37 | 22 41 | 22 21 | 15 2 | 2 58 |
| T 19 | 20 14 | 15 43 | 3 50 | 15 47 | 0 32 | 22 37 | 0 22 | 22 56 | 2 19 | 21 27 | 0 1 | 3 41 | 2 21 | 8 52 | 0 48 | 22 0 | 1 13 | 5 37 | 16 56 | 22 37 | 22 42 | 22 21 | 15 2 | 2 57 |
| F 20 | 20 2 | 18 45 | 3 0 | 15 20 | 0 18 | 22 34 | 0 19 | 22 59 | 2 19 | 21 25 | 0 1 | 3 42 | 2 21 | 8 52 | 0 48 | 22 0 | 1 13 | 5 37 | 16 56 | 22 37 | 22 42 | 22 22 | 15 2 | 2 57 |
| S 21 | 19 49 | 20 58 | 2 3 | 14 54 | 0 3 | 22 31 | 0 17 | 23 1 | 2 19 | 21 23 | 0 1 | 3 44 | 2 21 | 8 53 | 0 48 | 22 0 | 1 13 | 5 38 | 16 57 | 22 37 | 22 42 | 22 23 | 15 2 | 2 57 |
| S 22 | 19 35 | 22 17 | 1 0 | 14 30 | 0n14 | 22 27 | 0 14 | 23 4 | 2 20 | 21 20 | 0 1 | 3 45 | 2 21 | 8 54 | 0 48 | 22 0 | 1 13 | 5 38 | 16 57 | 22 37 | 22 43 | 22 24 | 15 2 | 2 57 |
| M23 | 19 21 | 22 36 | 0n 5 | 14 9 | 0 31 | 22 21 | 0 12 | 23 7 | 2 20 | 21 18 | 0 1 | 3 47 | 2 20 | 8 55 | 0 48 | 22 0 | 1 13 | 5 39 | 16 58 | 22 37 | 22 43 | 22 24 | 15 2 | 2 57 |
| T 24 | 19 7 | 21 54 | 1 10 | 13 50 | 0 48 | 22 16 | 0 9 | 23 9 | 2 20 | 21 16 | 0 1 | 3 49 | 2 20 | 8 55 | 0 48 | 22 0 | 1 13 | 5 39 | 16 59 | 22 37 | 22 43 | 22 25 | 15 2 | 2 57 |
| W25 | 18 53 | 20 11 | 2 13 | 13 34 | 1 7 | 22 9 | 0 6 | 23 12 | 2 20 | 21 14 | 0 2 | 3 50 | 2 20 | 8 56 | 0 48 | 22 0 | 1 13 | 5 40 | 16 59 | 22 37 | 22 44 | 22 26 | 15 2 | 2 57 |
| T 26 | 18 38 | 17 32 | 3 10 | 13 22 | 1 25 | 22 2 | 0 4 | 23 15 | 2 20 | 21 11 | 0 2 | 3 52 | 2 20 | 8 57 | 0 48 | 22 0 | 1 13 | 5 40 | 17 0 | 22 37 | 22 44 | 22 26 | 15 2 | 2 57 |
| F 27 | 18 22 | 14 4 | 3 59 | 13 13 | 1 44 | 21 55 | 0 1 | 23 18 | 2 20 | 21 9 | 0 2 | 3 54 | 2 19 | 8 58 | 0 48 | 21 59 | 1 13 | 5 41 | 17 0 | 22 38 | 22 44 | 22 27 | 15 2 | 2 57 |
| S 28 | 18 7 | 9 57 | 4 38 | 13 8 | 2 2 | 21 46 | 0s 1 | 23 21 | 2 20 | 21 7 | 0 2 | 3 56 | 2 19 | 8 59 | 0 48 | 21 59 | 1 13 | 5 41 | 17 1 | 22 38 | 22 44 | 22 28 | 15 2 | 2 57 |
| S 29 | 17 51 | 5 20 | 5 3 | 13 7 | 2 20 | 21 37 | 0 4 | 23 24 | 2 20 | 21 4 | 0 2 | 3 58 | 2 19 | 9 0 | 0 48 | 21 59 | 1 13 | 5 42 | 17 2 | 22 38 | 22 45 | 22 29 | 15 2 | 2 57 |
| M30 | 17 35 | 0 25 | 5 14 | 13 9 | 2 36 | 21 28 | 0 6 | 23 27 | 2 20 | 21 2 | 0 2 | 3 59 | 2 19 | 9 0 | 0 48 | 21 59 | 1 13 | 5 42 | 17 2 | 22 39 | 22 45 | 22 29 | 15 2 | 2 56 |
| T 31 | 17s18 | 4s37 | 5n 8 | 13s15 | 2n50 | 21s17 | 0s 9 | 23n30 | 2n20 | 21s 0 | 0s 2 | 4n 1 | 2s19 | 9n 1 | 0n48 | 21s59 | 1n13 | 5n43 | 17n 3 | 22n39 | 22n45 | 22n30 | 15n 2 | 2s56 |

Julian Day Number = 2805465.5, Delta T = 51m34s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°18'16, Lahiri = 37°25'16


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# ASTRODIENST EPHEMERIS for the year 2969
# geocentric

## FEBRUARY 2969 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 8 47 31 | 12♒17'18 | 7♏53 | 14°R43 | 25♑35 | 6♊22 | 25♑33 | 15♈48 | 8°R39 | 5♑28 | 26°R38 | 13°D19 | 12♋10 | 3♋51 | 20♉52 | W 1 |
| T 2 | 8 51 28 | 13°18'21 | 21°40 | 13♒26 | 26°50 | 6°40 | 25°46 | 15°53 | 8♏37 | 5°30 | 26♎37 | 13♋19 | 12° 7 | 3°58 | 20°52 | T 2 |
| F 3 | 8 55 24 | 14°19'25 | 5♐46 | 12° 7 | 28° 5 | 6°59 | 26° 0 | 15°58 | 8°34 | 5°32 | 26°37 | 13°20 | 12° 4 | 4° 4 | 20°52 | F 3 |
| S 4 | 8 59 21 | 15°20'28 | 20° 8 | 10°51 | 29°20 | 7°19 | 26°13 | 16° 2 | 8°32 | 5°34 | 26°37 | 13°22 | 12° 1 | 4°11 | 20°53 | S 4 |
| S 5 | 9 3 17 | 16°21'31 | 4♑46 | 9°37 | 0♒35 | 7°39 | 26°27 | 16° 7 | 8°30 | 5°36 | 26°37 | 13°23 | 11°57 | 4°18 | 20°53 | S 5 |
| M 6 | 9 7 14 | 17°22'33 | 19°34 | 8°29 | 1°51 | 7°59 | 26°40 | 16°12 | 8°27 | 5°37 | 26°36 | 13°R23 | 11°54 | 4°24 | 20°53 | M 6 |
| T 7 | 9 11 10 | 18°23'35 | 4♒26 | 7°29 | 3° 6 | 8°19 | 26°53 | 16°17 | 8°25 | 5°39 | 26°36 | 13°21 | 11°51 | 4°31 | 20°54 | T 7 |
| W 8 | 9 15 7 | 19°24'37 | 19°15 | 6°36 | 4°21 | 8°40 | 27° 7 | 16°22 | 8°22 | 5°41 | 26°36 | 13°18 | 11°48 | 4°38 | 20°54 | W 8 |
| T 9 | 9 19 4 | 20°25'37 | 3♓52 | 5°52 | 5°36 | 9° 2 | 27°20 | 16°28 | 8°20 | 5°43 | 26°35 | 13°13 | 11°45 | 4°44 | 20°55 | T 9 |
| F 10 | 9 23 0 | 21°26'37 | 18°11 | 5°16 | 6°52 | 9°23 | 27°33 | 16°33 | 8°17 | 5°45 | 26°35 | 13° 7 | 11°42 | 4°51 | 20°56 | F 10 |
| S 11 | 9 26 57 | 22°27'36 | 2♈ 6 | 4°50 | 8° 7 | 9°45 | 27°47 | 16°38 | 8°15 | 5°46 | 26°35 | 13° 0 | 11°38 | 4°57 | 20°56 | S 11 |
| S 12 | 9 30 53 | 23°28'33 | 15°35 | 4°33 | 9°22 | 10° 8 | 28° 0 | 16°44 | 8°12 | 5°48 | 26°34 | 12°54 | 11°35 | 5° 4 | 20°57 | S 12 |
| M13 | 9 34 50 | 24°29'30 | 28°37 | 4°24 | 10°37 | 10°31 | 28°13 | 16°49 | 8°10 | 5°50 | 26°33 | 12°49 | 11°32 | 5°11 | 20°58 | M13 |
| T 14 | 9 38 46 | 25°30'26 | 11♉16 | 4°D23 | 11°52 | 10°54 | 28°26 | 16°55 | 8° 7 | 5°51 | 26°33 | 12°46 | 11°29 | 5°17 | 20°59 | T 14 |
| W15 | 9 42 43 | 26°31'20 | 23°34 | 4°30 | 13° 8 | 11°17 | 28°39 | 17° 0 | 8° 5 | 5°53 | 26°32 | 12°D45 | 11°26 | 5°24 | 21° 0 | W15 |
| T 16 | 9 46 39 | 27°32'13 | 5♊37 | 4°44 | 14°23 | 11°41 | 28°52 | 17° 6 | 8° 2 | 5°54 | 26°32 | 12°45 | 11°23 | 5°31 | 21° 1 | T 16 |
| F 17 | 9 50 36 | 28°33'05 | 17°29 | 5° 5 | 15°38 | 12° 5 | 29° 5 | 17°12 | 8° 0 | 5°56 | 26°31 | 12°46 | 11°19 | 5°37 | 21° 2 | F 17 |
| S 18 | 9 54 33 | 29°33'56 | 29°16 | 5°31 | 16°53 | 12°29 | 29°18 | 17°17 | 7°57 | 5°57 | 26°30 | 12°48 | 11°16 | 5°44 | 21° 3 | S 18 |
| S 19 | 9 58 29 | 0♓34'45 | 11♋ 4 | 6° 3 | 18° 8 | 12°54 | 29°31 | 17°23 | 7°54 | 5°59 | 26°30 | 12°R49 | 11°13 | 5°51 | 21° 4 | S 19 |
| M20 | 10 2 26 | 1°35'34 | 22°55 | 6°40 | 19°24 | 13°19 | 29°43 | 17°29 | 7°52 | 6° 0 | 26°29 | 12°48 | 11°10 | 5°57 | 21° 5 | M20 |
| T 21 | 10 6 22 | 2°36'21 | 4♌55 | 7°21 | 20°39 | 13°44 | 29°56 | 17°35 | 7°49 | 6° 2 | 26°28 | 12°45 | 11° 7 | 6° 4 | 21° 7 | T 21 |
| W22 | 10 10 19 | 3°37'06 | 17° 6 | 8° 7 | 21°54 | 14° 9 | 0♒ 9 | 17°41 | 7°47 | 6° 3 | 26°27 | 12°40 | 11° 3 | 6°11 | 21° 8 | W22 |
| T 23 | 10 14 15 | 4°37'50 | 29°30 | 8°56 | 23° 9 | 14°35 | 0°21 | 17°47 | 7°44 | 6° 5 | 26°26 | 12°33 | 11° 0 | 6°17 | 21° 9 | T 23 |
| F 24 | 10 18 12 | 5°38'34 | 12♍ 8 | 9°49 | 24°24 | 15° 1 | 0°34 | 17°53 | 7°41 | 6° 6 | 26°26 | 12°24 | 10°57 | 6°24 | 21°11 | F 24 |
| S 25 | 10 22 8 | 6°39'15 | 24°59 | 10°45 | 25°39 | 15°27 | 0°47 | 18° 0 | 7°39 | 6° 7 | 26°25 | 12°14 | 10°54 | 6°30 | 21°12 | S 25 |
| S 26 | 10 26 5 | 7°39'56 | 8♎ 4 | 11°45 | 26°55 | 15°54 | 0°59 | 18° 6 | 7°36 | 6° 9 | 26°24 | 12° 4 | 10°51 | 6°37 | 21°14 | S 26 |
| M27 | 10 30 2 | 8°40'36 | 21°21 | 12°46 | 28°10 | 16°20 | 1°11 | 18°12 | 7°33 | 6°10 | 26°23 | 11°55 | 10°48 | 6°44 | 21°16 | M27 |
| T 28 | 10 33 58 | 9♓41'14 | 4♏50 | 13♒51 | 29♒25 | 16♊47 | 1♒24 | 18♈18 | 7♏31 | 6♑11 | 26♎22 | 11♋48 | 10♋44 | 6♋50 | 21♉17 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 17s 1 | 9s33 | 4n46 | 13s25 | 3n 3 | 21s 6 | 0s12 | 23n33 | 2n19 | 20s57 | 0s 2 | 4n 3 | 2s18 | 9n 2 | 0n48 | 21s59 | 1n13 | 5n44 | 17n 3 | 22n39 | 22n46 | 22n31 | 15n 2 | 2s56 | W 1 |
| T 2 | 16 44 | 14 7 | 4 6 | 13 36 | 3 14 | 20 55 | 0 14 | 23 36 | 2 19 | 20 55 | 0 2 | 4 5 | 2 18 | 9 3 | 0 48 | 21 59 | 1 13 | 5 44 | 17 4 | 22 39 | 22 46 | 22 31 | 15 3 | 2 56 | T 2 |
| F 3 | 16 27 | 18 0 | 3 12 | 13 50 | 3 22 | 20 42 | 0 17 | 23 39 | 2 19 | 20 53 | 0 2 | 4 7 | 2 18 | 9 4 | 0 48 | 21 59 | 1 13 | 5 45 | 17 4 | 22 39 | 22 46 | 22 32 | 15 3 | 2 56 | F 3 |
| S 4 | 16 9 | 20 53 | 2 4 | 14 6 | 3 27 | 20 30 | 0 19 | 23 42 | 2 19 | 20 50 | 0 3 | 4 9 | 2 18 | 9 5 | 0 49 | 21 59 | 1 13 | 5 45 | 17 5 | 22 39 | 22 46 | 22 33 | 15 3 | 2 56 | S 4 |
| S 5 | 15 51 | 22 27 | 0 47 | 14 22 | 3 30 | 20 16 | 0 21 | 23 45 | 2 19 | 20 48 | 0 3 | 4 11 | 2 18 | 9 6 | 0 49 | 21 59 | 1 13 | 5 46 | 17 6 | 22 39 | 22 47 | 22 33 | 15 3 | 2 56 | S 5 |
| M 6 | 15 33 | 22 27 | 0s34 | 14 39 | 3 30 | 20 2 | 0 24 | 23 48 | 2 19 | 20 45 | 0 3 | 4 13 | 2 18 | 9 7 | 0 49 | 21 59 | 1 13 | 5 47 | 17 6 | 22 39 | 22 47 | 22 34 | 15 3 | 2 56 | M 6 |
| T 7 | 15 14 | 20 52 | 1 53 | 14 56 | 3 29 | 19 47 | 0 26 | 23 51 | 2 18 | 20 43 | 0 3 | 4 15 | 2 17 | 9 7 | 0 49 | 21 58 | 1 13 | 5 47 | 17 7 | 22 39 | 22 47 | 22 35 | 15 4 | 2 56 | T 7 |
| W 8 | 14 55 | 17 52 | 3 3 | 15 13 | 3 25 | 19 32 | 0 29 | 23 54 | 2 18 | 20 40 | 0 3 | 4 18 | 2 17 | 9 8 | 0 49 | 21 58 | 1 13 | 5 48 | 17 7 | 22 39 | 22 48 | 22 35 | 15 4 | 2 56 | W 8 |
| T 9 | 14 36 | 13 47 | 4 1 | 15 29 | 3 19 | 19 16 | 0 31 | 23 58 | 2 18 | 20 38 | 0 3 | 4 20 | 2 17 | 9 9 | 0 49 | 21 58 | 1 13 | 5 48 | 17 8 | 22 40 | 22 48 | 22 36 | 15 4 | 2 55 | T 9 |
| F 10 | 14 17 | 8 59 | 4 42 | 15 45 | 3 12 | 19 0 | 0 33 | 24 1 | 2 18 | 20 35 | 0 3 | 4 22 | 2 17 | 9 10 | 0 49 | 21 58 | 1 13 | 5 49 | 17 8 | 22 40 | 22 48 | 22 37 | 15 4 | 2 55 | F 10 |
| S 11 | 13 57 | 3 50 | 5 5 | 15 59 | 3 3 | 18 43 | 0 36 | 24 4 | 2 18 | 20 33 | 0 3 | 4 24 | 2 17 | 9 11 | 0 49 | 21 58 | 1 13 | 5 50 | 17 9 | 22 41 | 22 48 | 22 37 | 15 5 | 2 55 | S 11 |
| S 12 | 13 37 | 1n19 | 5 10 | 16 12 | 2 54 | 18 25 | 0 38 | 24 7 | 2 17 | 20 30 | 0 3 | 4 26 | 2 16 | 9 12 | 0 49 | 21 58 | 1 13 | 5 50 | 17 9 | 22 42 | 22 49 | 22 38 | 15 5 | 2 55 | S 12 |
| M13 | 13 17 | 6 16 | 4 59 | 16 24 | 2 44 | 18 7 | 0 40 | 24 10 | 2 17 | 20 28 | 0 3 | 4 28 | 2 16 | 9 13 | 0 49 | 21 58 | 1 13 | 5 51 | 17 10 | 22 42 | 22 49 | 22 39 | 15 5 | 2 55 | M13 |
| T 14 | 12 57 | 10 48 | 4 33 | 16 35 | 2 33 | 17 49 | 0 42 | 24 13 | 2 17 | 20 25 | 0 3 | 4 31 | 2 16 | 9 14 | 0 49 | 21 58 | 1 13 | 5 52 | 17 10 | 22 42 | 22 49 | 22 39 | 15 5 | 2 55 | T 14 |
| W15 | 12 37 | 14 46 | 3 55 | 16 44 | 2 22 | 17 30 | 0 44 | 24 16 | 2 16 | 20 23 | 0 4 | 4 33 | 2 16 | 9 15 | 0 49 | 21 58 | 1 13 | 5 53 | 17 11 | 22 42 | 22 49 | 22 40 | 15 6 | 2 55 | W15 |
| T 16 | 12 16 | 18 3 | 3 8 | 16 52 | 2 11 | 17 10 | 0 46 | 24 19 | 2 16 | 20 20 | 0 4 | 4 35 | 2 16 | 9 16 | 0 49 | 21 58 | 1 13 | 5 53 | 17 12 | 22 42 | 22 50 | 22 40 | 15 6 | 2 55 | T 16 |
| F 17 | 11 55 | 20 31 | 2 13 | 16 58 | 1 59 | 16 50 | 0 48 | 24 22 | 2 16 | 20 18 | 0 4 | 4 38 | 2 16 | 9 17 | 0 49 | 21 57 | 1 13 | 5 54 | 17 12 | 22 42 | 22 50 | 22 41 | 15 7 | 2 55 | F 17 |
| S 18 | 11 34 | 22 6 | 1 13 | 17 3 | 1 47 | 16 30 | 0 50 | 24 25 | 2 16 | 20 15 | 0 4 | 4 40 | 2 15 | 9 18 | 0 49 | 21 57 | 1 14 | 5 55 | 17 13 | 22 42 | 22 50 | 22 42 | 15 7 | 2 55 | S 18 |
| S 19 | 11 13 | 22 42 | 0 9 | 17 7 | 1 36 | 16 9 | 0 52 | 24 28 | 2 15 | 20 13 | 0 4 | 4 42 | 2 15 | 9 19 | 0 49 | 21 57 | 1 14 | 5 55 | 17 13 | 22 42 | 22 51 | 22 42 | 15 7 | 2 54 | S 19 |
| M20 | 10 51 | 22 16 | 0n54 | 17 9 | 1 24 | 15 47 | 0 54 | 24 31 | 2 15 | 20 10 | 0 4 | 4 45 | 2 15 | 9 20 | 0 49 | 21 57 | 1 14 | 5 56 | 17 14 | 22 42 | 22 51 | 22 43 | 15 8 | 2 54 | M20 |
| T 21 | 10 29 | 20 49 | 1 56 | 17 10 | 1 13 | 15 25 | 0 56 | 24 33 | 2 15 | 20 7 | 0 4 | 4 47 | 2 15 | 9 21 | 0 49 | 21 57 | 1 14 | 5 57 | 17 14 | 22 42 | 22 51 | 22 43 | 15 8 | 2 54 | T 21 |
| W22 | 10 8 | 18 23 | 2 54 | 17 9 | 1 1 | 15 3 | 0 58 | 24 36 | 2 14 | 20 5 | 0 4 | 4 49 | 2 15 | 9 22 | 0 49 | 21 57 | 1 14 | 5 58 | 17 15 | 22 43 | 22 51 | 22 44 | 15 9 | 2 54 | W22 |
| T 23 | 9 46 | 15 5 | 3 44 | 17 7 | 0 50 | 14 40 | 1 0 | 24 39 | 2 14 | 20 2 | 0 4 | 4 52 | 2 15 | 9 23 | 0 49 | 21 57 | 1 14 | 5 58 | 17 15 | 22 43 | 22 52 | 22 44 | 15 9 | 2 54 | T 23 |
| F 24 | 9 24 | 11 3 | 4 24 | 17 4 | 0 39 | 14 17 | 1 1 | 24 41 | 2 14 | 20 0 | 0 4 | 4 54 | 2 15 | 9 24 | 0 49 | 21 57 | 1 14 | 5 59 | 17 16 | 22 44 | 22 52 | 22 45 | 15 10 | 2 54 | F 24 |
| S 25 | 9 1 | 6 27 | 4 52 | 16 59 | 0 29 | 13 54 | 1 3 | 24 44 | 2 13 | 19 57 | 0 5 | 4 57 | 2 14 | 9 25 | 0 49 | 21 57 | 1 14 | 6 0 | 17 16 | 22 45 | 22 52 | 22 46 | 15 10 | 2 54 | S 25 |
| S 26 | 8 39 | 1 29 | 5 5 | 16 53 | 0 18 | 13 30 | 1 5 | 24 46 | 2 13 | 19 55 | 0 5 | 4 59 | 2 14 | 9 26 | 0 49 | 21 57 | 1 14 | 6 1 | 17 16 | 22 46 | 22 52 | 22 46 | 15 10 | 2 54 | S 26 |
| M27 | 8 16 | 3s37 | 5 1 | 16 45 | 0 8 | 13 5 | 1 6 | 24 49 | 2 12 | 19 52 | 0 5 | 5 2 | 2 14 | 9 27 | 0 49 | 21 57 | 1 14 | 6 1 | 17 17 | 22 47 | 22 53 | 22 47 | 15 11 | 2 54 | M27 |
| T 28 | 7s54 | 8s38 | 4n41 | 16s37 | 0s 2 | 12s41 | 1s 8 | 24n51 | 2n12 | 19s49 | 0s 5 | 5n 4 | 2s14 | 9n28 | 0n49 | 21s56 | 1n14 | 6n 2 | 17n17 | 22n48 | 22n53 | 22n47 | 15n11 | 2s54 | T 28 |

Julian Day Number = 2805496.5, Delta T = 51m34s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°18'20, Lahiri = 37°25'21


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# ASTRODIENST EPHEMERIS for the year 2969
# geocentric

## MARCH 2969 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 37 55 | 10♓41'52 | 18♏28 | 14♒57 | 0♓40 | 17♊14 | 1♒36 | 18♈25 | 7°R28 | 6♑13 | 26°R21 | 11°R43 | 10♋41 | 6♋57 | 21♉19 | W 1 |
| T 2 | 10 41 51 | 11°42'28 | 2♐16 | 16° 6 | 1°55 | 17°41 | 1°48 | 18°31 | 7♍26 | 6°14 | 26♎20 | 11♋41 | 10°38 | 7° 4 | 21°21 | T 2 |
| F 3 | 10 45 48 | 12°43'03 | 16°14 | 17°17 | 3°10 | 18° 9 | 2° 0 | 18°38 | 7°23 | 6°15 | 26°19 | 11°D40 | 10°35 | 7°10 | 21°23 | F 3 |
| S 4 | 10 49 44 | 13°43'38 | 0♑22 | 18°29 | 4°26 | 18°37 | 2°12 | 18°44 | 7°20 | 6°16 | 26°18 | 11°41 | 10°32 | 7°17 | 21°25 | S 4 |
| S 5 | 10 53 41 | 14°44'11 | 14°37 | 19°44 | 5°41 | 19° 5 | 2°24 | 18°51 | 7°18 | 6°17 | 26°16 | 11°R41 | 10°28 | 7°24 | 21°27 | S 5 |
| M 6 | 10 57 37 | 15°44'43 | 29° 0 | 21° 0 | 6°56 | 19°33 | 2°36 | 18°58 | 7°15 | 6°18 | 26°15 | 11°40 | 10°25 | 7°30 | 21°29 | M 6 |
| T 7 | 11 1 34 | 16°45'14 | 13♒25 | 22°17 | 8°11 | 20° 1 | 2°48 | 19° 4 | 7°13 | 6°19 | 26°14 | 11°36 | 10°22 | 7°37 | 21°31 | T 7 |
| W 8 | 11 5 31 | 17°45'43 | 27°49 | 23°36 | 9°26 | 20°29 | 3° 0 | 19°11 | 7°10 | 6°20 | 26°13 | 11°30 | 10°19 | 7°44 | 21°33 | W 8 |
| T 9 | 11 9 27 | 18°46'11 | 12♓ 7 | 24°57 | 10°41 | 20°58 | 3°11 | 19°18 | 7° 7 | 6°21 | 26°12 | 11°21 | 10°16 | 7°50 | 21°35 | T 9 |
| F 10 | 11 13 24 | 19°46'37 | 26°11 | 26°18 | 11°56 | 21°27 | 3°23 | 19°25 | 7° 5 | 6°22 | 26°10 | 11°10 | 10°13 | 7°57 | 21°37 | F 10 |
| S 11 | 11 17 20 | 20°47'02 | 9♈58 | 27°41 | 13°11 | 21°56 | 3°35 | 19°32 | 7° 2 | 6°23 | 26° 9 | 10°58 | 10° 9 | 8° 4 | 21°39 | S 11 |
| S 12 | 11 21 17 | 21°47'25 | 23°23 | 29° 6 | 14°26 | 22°25 | 3°46 | 19°39 | 7° 0 | 6°24 | 26° 8 | 10°46 | 10° 6 | 8°10 | 21°42 | S 12 |
| M13 | 11 25 13 | 22°47'46 | 6♉26 | 0♓31 | 15°41 | 22°55 | 3°57 | 19°45 | 6°57 | 6°25 | 26° 7 | 10°37 | 10° 3 | 8°17 | 21°44 | M13 |
| T 14 | 11 29 10 | 23°48'05 | 19° 6 | 1°58 | 16°56 | 23°24 | 4° 9 | 19°52 | 6°55 | 6°26 | 26° 5 | 10°29 | 10° 0 | 8°23 | 21°46 | T 14 |
| W15 | 11 33 6 | 24°48'23 | 1♊26 | 3°26 | 18°11 | 23°54 | 4°20 | 19°59 | 6°52 | 6°27 | 26° 4 | 10°24 | 9°57 | 8°30 | 21°49 | W15 |
| T 16 | 11 37 3 | 25°48'38 | 13°30 | 4°55 | 19°27 | 24°24 | 4°31 | 20° 6 | 6°50 | 6°27 | 26° 3 | 10°22 | 9°54 | 8°37 | 21°51 | T 16 |
| F 17 | 11 41 0 | 26°48'52 | 25°24 | 6°25 | 20°42 | 24°54 | 4°42 | 20°14 | 6°47 | 6°28 | 26° 1 | 10°D21 | 9°50 | 8°43 | 21°54 | F 17 |
| S 18 | 11 44 56 | 27°49'04 | 7♋12 | 7°57 | 21°57 | 25°24 | 4°53 | 20°21 | 6°45 | 6°29 | 26° 0 | 10°R21 | 9°47 | 8°50 | 21°57 | S 18 |
| S 19 | 11 48 53 | 28°49'13 | 19° 0 | 9°29 | 23°11 | 25°54 | 5° 3 | 20°28 | 6°43 | 6°29 | 25°58 | 10°21 | 9°44 | 8°57 | 21°59 | S 19 |
| M20 | 11 52 49 | 29°49'21 | 0♌54 | 11° 3 | 24°26 | 26°25 | 5°14 | 20°35 | 6°40 | 6°30 | 25°57 | 10°20 | 9°41 | 9° 3 | 22° 2 | M20 |
| T 21 | 11 56 46 | 0♈49'27 | 12°58 | 12°37 | 25°41 | 26°55 | 5°25 | 20°42 | 6°38 | 6°31 | 25°55 | 10°16 | 9°38 | 9°10 | 22° 5 | T 21 |
| W22 | 12 0 42 | 1°49'30 | 25°16 | 14°13 | 26°56 | 27°26 | 5°35 | 20°49 | 6°36 | 6°31 | 25°54 | 10° 9 | 9°34 | 9°17 | 22° 7 | W22 |
| T 23 | 12 4 39 | 2°49'32 | 7♍52 | 15°50 | 28°11 | 27°57 | 5°46 | 20°57 | 6°33 | 6°32 | 25°52 | 10° 0 | 9°31 | 9°23 | 22°10 | T 23 |
| F 24 | 12 8 35 | 3°49'31 | 20°46 | 17°28 | 29°26 | 28°28 | 5°56 | 21° 4 | 6°31 | 6°32 | 25°51 | 9°48 | 9°28 | 9°30 | 22°13 | F 24 |
| S 25 | 12 12 32 | 4°49'29 | 3♎58 | 19° 7 | 0♈41 | 28°59 | 6° 6 | 21°11 | 6°29 | 6°33 | 25°49 | 9°35 | 9°25 | 9°37 | 22°16 | S 25 |
| S 26 | 12 16 28 | 5°49'25 | 17°27 | 20°47 | 1°56 | 29°30 | 6°16 | 21°18 | 6°27 | 6°33 | 25°48 | 9°22 | 9°22 | 9°43 | 22°19 | S 26 |
| M27 | 12 20 25 | 6°49'19 | 1♏10 | 22°29 | 3°11 | 0♋ 1 | 6°26 | 21°26 | 6°24 | 6°33 | 25°46 | 9°10 | 9°19 | 9°50 | 22°22 | M27 |
| T 28 | 12 24 22 | 7°49'11 | 15° 3 | 24°11 | 4°26 | 0°33 | 6°36 | 21°33 | 6°22 | 6°34 | 25°45 | 9° 1 | 9°15 | 9°56 | 22°25 | T 28 |
| W29 | 12 28 18 | 8°49'02 | 29° 3 | 25°55 | 5°41 | 1° 4 | 6°46 | 21°40 | 6°20 | 6°34 | 25°43 | 8°54 | 9°12 | 10° 3 | 22°28 | W29 |
| T 30 | 12 32 15 | 9°48'51 | 13♐ 6 | 27°40 | 6°55 | 1°36 | 6°56 | 21°48 | 6°18 | 6°34 | 25°42 | 8°50 | 9° 9 | 10°10 | 22°31 | T 30 |
| F 31 | 12 36 11 | 10♈48'39 | 27♐11 | 29♓26 | 8♈10 | 2♋ 7 | 7♒ 5 | 21♈55 | 6♍16 | 6♑35 | 25♎40 | 8♋49 | 9♋ 6 | 10♋16 | 22♉34 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7s31 | 13s18 | 4n 5 | 16s26 | 0s11 | 12s16 | 1s 9 | 24n53 | 2n12 | 19s47 | 0s 5 | 5n 7 | 2s14 | 9n29 | 0n49 | 21s56 | 1n14 | 6n 3 | 17n18 | 22n48 | 22n53 | 22n48 | 15n12 | 2s54 |
| T 2 | 7 8 | 17 20 | 3 14 | 16 15 | 0 20 | 11 50 | 1 11 | 24 56 | 2 11 | 19 44 | 0 5 | 5 9 | 2 14 | 9 30 | 0 49 | 21 56 | 1 14 | 6 4 | 17 18 | 22 48 | 22 53 | 22 48 | 15 13 | 2 54 |
| F 3 | 6 45 | 20 25 | 2 12 | 16 2 | 0 29 | 11 25 | 1 12 | 24 58 | 2 11 | 19 42 | 0 5 | 5 12 | 2 14 | 9 31 | 0 49 | 21 56 | 1 14 | 6 4 | 17 19 | 22 48 | 22 54 | 22 49 | 15 13 | 2 53 |
| S 4 | 6 22 | 22 19 | 1 0 | 15 48 | 0 38 | 10 59 | 1 13 | 25 0 | 2 11 | 19 39 | 0 5 | 5 15 | 2 14 | 9 32 | 0 49 | 21 56 | 1 14 | 6 5 | 17 19 | 22 48 | 22 54 | 22 49 | 15 14 | 2 53 |
| S 5 | 5 59 | 22 47 | 0s16 | 15 33 | 0 46 | 10 32 | 1 15 | 25 2 | 2 10 | 19 36 | 0 5 | 5 17 | 2 13 | 9 33 | 0 49 | 21 56 | 1 14 | 6 6 | 17 20 | 22 48 | 22 54 | 22 50 | 15 14 | 2 53 |
| M 6 | 5 36 | 21 44 | 1 31 | 15 16 | 0 54 | 10 6 | 1 16 | 25 4 | 2 10 | 19 34 | 0 5 | 5 20 | 2 13 | 9 33 | 0 49 | 21 56 | 1 14 | 6 7 | 17 20 | 22 48 | 22 54 | 22 50 | 15 15 | 2 53 |
| T 7 | 5 12 | 19 16 | 2 41 | 14 59 | 1 1 | 9 39 | 1 17 | 25 5 | 2 9 | 19 31 | 0 6 | 5 22 | 2 13 | 9 34 | 0 49 | 21 56 | 1 14 | 6 8 | 17 20 | 22 49 | 22 55 | 22 51 | 15 15 | 2 53 |
| W 8 | 4 49 | 15 36 | 3 40 | 14 40 | 1 8 | 9 12 | 1 18 | 25 7 | 2 9 | 19 29 | 0 6 | 5 25 | 2 13 | 9 35 | 0 49 | 21 56 | 1 14 | 6 8 | 17 21 | 22 49 | 22 55 | 22 51 | 15 16 | 2 53 |
| T 9 | 4 25 | 11 3 | 4 24 | 14 19 | 1 15 | 8 45 | 1 19 | 25 9 | 2 9 | 19 26 | 0 6 | 5 28 | 2 13 | 9 36 | 0 49 | 21 56 | 1 14 | 6 9 | 17 21 | 22 50 | 22 55 | 22 52 | 15 17 | 2 53 |
| F 10 | 4 2 | 5 59 | 4 52 | 13 58 | 1 22 | 8 17 | 1 20 | 25 10 | 2 8 | 19 24 | 0 6 | 5 30 | 2 13 | 9 37 | 0 49 | 21 56 | 1 14 | 6 10 | 17 22 | 22 51 | 22 55 | 22 52 | 15 17 | 2 53 |
| S 11 | 3 38 | 0 43 | 5 2 | 13 35 | 1 28 | 7 49 | 1 21 | 25 12 | 2 8 | 19 21 | 0 6 | 5 33 | 2 13 | 9 38 | 0 49 | 21 56 | 1 14 | 6 11 | 17 22 | 22 52 | 22 56 | 22 53 | 15 18 | 2 53 |
| S 12 | 3 14 | 4n28 | 4 55 | 13 12 | 1 34 | 7 21 | 1 22 | 25 13 | 2 7 | 19 18 | 0 6 | 5 36 | 2 13 | 9 39 | 0 49 | 21 55 | 1 14 | 6 11 | 17 22 | 22 53 | 22 56 | 22 53 | 15 19 | 2 53 |
| M13 | 2 51 | 9 18 | 4 33 | 12 47 | 1 39 | 6 53 | 1 22 | 25 14 | 2 7 | 19 16 | 0 6 | 5 38 | 2 13 | 9 40 | 0 49 | 21 55 | 1 14 | 6 12 | 17 23 | 22 54 | 22 56 | 22 54 | 15 19 | 2 53 |
| T 14 | 2 27 | 13 36 | 3 57 | 12 21 | 1 44 | 6 25 | 1 23 | 25 15 | 2 6 | 19 13 | 0 6 | 5 41 | 2 13 | 9 41 | 0 49 | 21 55 | 1 14 | 6 13 | 17 23 | 22 54 | 22 56 | 22 54 | 15 20 | 2 53 |
| W15 | 2 3 | 17 13 | 3 11 | 11 53 | 1 49 | 5 56 | 1 24 | 25 16 | 2 6 | 19 11 | 0 6 | 5 44 | 2 13 | 9 42 | 0 49 | 21 55 | 1 14 | 6 14 | 17 23 | 22 54 | 22 57 | 22 55 | 15 21 | 2 53 |
| T 16 | 1 39 | 20 1 | 2 18 | 11 25 | 1 53 | 5 27 | 1 24 | 25 17 | 2 6 | 19 8 | 0 7 | 5 46 | 2 12 | 9 43 | 0 49 | 21 55 | 1 14 | 6 15 | 17 24 | 22 55 | 22 57 | 22 55 | 15 21 | 2 52 |
| F 17 | 1 16 | 21 55 | 1 19 | 10 56 | 1 57 | 4 58 | 1 25 | 25 18 | 2 5 | 19 6 | 0 7 | 5 49 | 2 12 | 9 44 | 0 49 | 21 55 | 1 14 | 6 15 | 17 24 | 22 55 | 22 57 | 22 56 | 15 22 | 2 52 |
| S 18 | 0 52 | 22 50 | 0 17 | 10 25 | 2 1 | 4 29 | 1 25 | 25 19 | 2 5 | 19 3 | 0 7 | 5 52 | 2 12 | 9 45 | 0 49 | 21 55 | 1 14 | 6 16 | 17 24 | 22 55 | 22 57 | 22 56 | 15 23 | 2 52 |
| S 19 | 0 28 | 22 44 | 0n46 | 9 53 | 2 4 | 4 0 | 1 26 | 25 19 | 2 4 | 19 1 | 0 7 | 5 54 | 2 12 | 9 45 | 0 49 | 21 55 | 1 14 | 6 17 | 17 25 | 22 55 | 22 58 | 22 57 | 15 23 | 2 52 |
| M20 | 0 4 | 21 35 | 1 47 | 9 21 | 2 7 | 3 31 | 1 26 | 25 20 | 2 4 | 18 58 | 0 7 | 5 57 | 2 12 | 9 46 | 0 49 | 21 55 | 1 14 | 6 18 | 17 25 | 22 55 | 22 58 | 22 57 | 15 24 | 2 52 |
| T 21 | 0n20 | 19 27 | 2 44 | 8 47 | 2 9 | 3 2 | 1 26 | 25 20 | 2 3 | 18 56 | 0 7 | 6 0 | 2 12 | 9 47 | 0 49 | 21 55 | 1 14 | 6 18 | 17 25 | 22 55 | 22 58 | 22 57 | 15 25 | 2 52 |
| W22 | 0 43 | 16 23 | 3 34 | 8 12 | 2 12 | 2 32 | 1 26 | 25 20 | 2 3 | 18 53 | 0 7 | 6 3 | 2 12 | 9 48 | 0 49 | 21 55 | 1 15 | 6 19 | 17 25 | 22 56 | 22 58 | 22 58 | 15 26 | 2 52 |
| T 23 | 1 7 | 12 31 | 4 15 | 7 36 | 2 13 | 2 3 | 1 27 | 25 20 | 2 3 | 18 51 | 0 7 | 6 5 | 2 12 | 9 49 | 0 49 | 21 55 | 1 15 | 6 20 | 17 26 | 22 56 | 22 58 | 22 58 | 15 26 | 2 52 |
| F 24 | 1 31 | 8 0 | 4 44 | 6 59 | 2 14 | 1 33 | 1 27 | 25 20 | 2 2 | 18 49 | 0 7 | 6 8 | 2 12 | 9 50 | 0 49 | 21 55 | 1 15 | 6 21 | 17 26 | 22 57 | 22 59 | 22 59 | 15 27 | 2 52 |
| S 25 | 1 54 | 3 0 | 4 59 | 6 21 | 2 15 | 1 3 | 1 27 | 25 20 | 2 2 | 18 46 | 0 8 | 6 11 | 2 12 | 9 50 | 0 49 | 21 55 | 1 15 | 6 21 | 17 26 | 22 58 | 22 59 | 22 59 | 15 28 | 2 52 |
| S 26 | 2 18 | 2s14 | 4 57 | 5 43 | 2 15 | 0 34 | 1 27 | 25 20 | 2 1 | 18 44 | 0 8 | 6 14 | 2 12 | 9 51 | 0 49 | 21 55 | 1 15 | 6 22 | 17 26 | 22 59 | 22 59 | 22 59 | 15 29 | 2 52 |
| M27 | 2 42 | 7 27 | 4 39 | 5 3 | 2 15 | 0 4 | 1 26 | 25 20 | 2 1 | 18 42 | 0 8 | 6 16 | 2 12 | 9 52 | 0 49 | 21 55 | 1 15 | 6 23 | 17 27 | 23 0 | 22 59 | 23 0 | 15 30 | 2 52 |
| T 28 | 3 5 | 12 23 | 4 4 | 4 22 | 2 15 | 0n26 | 1 26 | 25 19 | 2 0 | 18 39 | 0 8 | 6 19 | 2 12 | 9 53 | 0 48 | 21 54 | 1 15 | 6 24 | 17 27 | 23 1 | 23 0 | 23 0 | 15 30 | 2 52 |
| W29 | 3 29 | 16 41 | 3 14 | 3 40 | 2 14 | 0 56 | 1 26 | 25 18 | 2 0 | 18 37 | 0 8 | 6 22 | 2 12 | 9 53 | 0 48 | 21 54 | 1 15 | 6 24 | 17 27 | 23 1 | 23 0 | 23 1 | 15 31 | 2 52 |
| T 30 | 3 52 | 20 5 | 2 11 | 2 57 | 2 12 | 1 25 | 1 26 | 25 18 | 1 59 | 18 35 | 0 8 | 6 25 | 2 12 | 9 54 | 0 48 | 21 54 | 1 15 | 6 25 | 17 27 | 23 1 | 23 0 | 23 1 | 15 32 | 2 52 |
| F 31 | 4n15 | 22s16 | 1n 1 | 2s13 | 2s10 | 1n55 | 1s25 | 25n17 | 1n59 | 18s32 | 0s 8 | 6n27 | 2s12 | 9n55 | 0n48 | 21s54 | 1n15 | 6n26 | 17n27 | 23n 1 | 23n 0 | 23n 1 | 15n33 | 2s52 |

Julian Day Number = 2805524.5, Delta T = 51m35s
Ecliptic obliquity = 23°18'48, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°18'24, Lahiri = 37°25'24


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# ASTRODIENST EPHEMERIS for the year 2969
# geocentric

## APRIL 2969 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 40 8 | 11♈48'25 | 11♉17 | 1♈13 | 9♈25 | 2♋39 | 7♒15 | 22♈ 3 | 6°R14 | 6♉35 | 25°R38 | 8°R48 | 9♋ 3 | 10♋23 | 22♉37 | S 1 |
| S 2 | 12 44 4 | 12°48'09 | 25°22 | 3° 2 | 10°40 | 3°11 | 7°24 | 22°10 | 6♍12 | 6°35 | 25♎37 | 8♋48 | 9° 0 | 10°30 | 22°40 | S 2 |
| M 3 | 12 48 1 | 13°47'52 | 9♒27 | 4°52 | 11°55 | 3°43 | 7°33 | 22°17 | 6°10 | 6°35 | 25°35 | 8°47 | 8°56 | 10°36 | 22°43 | M 3 |
| T 4 | 12 51 57 | 14°47'33 | 23°28 | 6°43 | 13° 9 | 4°15 | 7°42 | 22°25 | 6° 8 | 6°35 | 25°33 | 8°42 | 8°53 | 10°43 | 22°47 | T 4 |
| W 5 | 12 55 54 | 15°47'12 | 7♓26 | 8°35 | 14°24 | 4°48 | 7°51 | 22°32 | 6° 6 | 6°36 | 25°32 | 8°35 | 8°50 | 10°50 | 22°50 | W 5 |
| T 6 | 12 59 51 | 16°46'49 | 21°16 | 10°28 | 15°39 | 5°20 | 8° 0 | 22°40 | 6° 5 | 6°36 | 25°30 | 8°26 | 8°47 | 10°56 | 22°53 | T 6 |
| F 7 | 13 3 47 | 17°46'25 | 4♈56 | 12°23 | 16°54 | 5°52 | 8° 9 | 22°47 | 6° 3 | 6°R36 | 25°29 | 8°14 | 8°44 | 11° 3 | 22°56 | F 7 |
| S 8 | 13 7 44 | 18°45'58 | 18°22 | 14°19 | 18° 8 | 6°25 | 8°17 | 22°55 | 6° 1 | 6°36 | 25°27 | 8° 1 | 8°40 | 11°10 | 23° 0 | S 8 |
| S 9 | 13 11 40 | 19°45'30 | 1♉32 | 16°16 | 19°23 | 6°57 | 8°26 | 23° 2 | 5°59 | 6°36 | 25°25 | 7°48 | 8°37 | 11°16 | 23° 3 | S 9 |
| M10 | 13 15 37 | 20°45'00 | 14°24 | 18°14 | 20°38 | 7°30 | 8°34 | 23°10 | 5°58 | 6°36 | 25°24 | 7°37 | 8°34 | 11°23 | 23° 7 | M10 |
| T 11 | 13 19 33 | 21°44'27 | 26°58 | 20°13 | 21°52 | 8° 3 | 8°42 | 23°17 | 5°56 | 6°35 | 25°22 | 7°29 | 8°31 | 11°29 | 23°10 | T 11 |
| W12 | 13 23 30 | 22°43'53 | 9♊15 | 22°14 | 23° 7 | 8°36 | 8°50 | 23°25 | 5°54 | 6°35 | 25°20 | 7°23 | 8°28 | 11°36 | 23°14 | W12 |
| T 13 | 13 27 26 | 23°43'16 | 21°18 | 24°15 | 24°21 | 9° 9 | 8°58 | 23°32 | 5°53 | 6°35 | 25°19 | 7°19 | 8°25 | 11°43 | 23°17 | T 13 |
| F 14 | 13 31 23 | 24°42'37 | 3♋12 | 26°17 | 25°36 | 9°42 | 9° 6 | 23°40 | 5°51 | 6°35 | 25°17 | 7°D18 | 8°21 | 11°49 | 23°21 | F 14 |
| S 15 | 13 35 20 | 25°41'56 | 15° 0 | 28°20 | 26°51 | 10°15 | 9°14 | 23°47 | 5°50 | 6°35 | 25°15 | 7°18 | 8°18 | 11°56 | 23°24 | S 15 |
| S 16 | 13 39 16 | 26°41'13 | 26°48 | 0♌23 | 28° 5 | 10°48 | 9°21 | 23°55 | 5°49 | 6°34 | 25°13 | 7°R19 | 8°15 | 12° 3 | 23°28 | S 16 |
| M17 | 13 43 13 | 27°40'27 | 8♌43 | 2°27 | 29°20 | 11°21 | 9°29 | 24° 2 | 5°47 | 6°34 | 25°12 | 7°18 | 8°12 | 12° 9 | 23°31 | M17 |
| T 18 | 13 47 9 | 28°39'39 | 20°48 | 4°31 | 0♌34 | 11°54 | 9°36 | 24°10 | 5°46 | 6°34 | 25°10 | 7°16 | 8° 9 | 12°16 | 23°35 | T 18 |
| W19 | 13 51 6 | 29°38'49 | 3♍ 9 | 6°35 | 1°49 | 12°28 | 9°43 | 24°17 | 5°45 | 6°33 | 25° 8 | 7°11 | 8° 5 | 12°23 | 23°39 | W19 |
| T 20 | 13 55 2 | 0♌37'56 | 15°50 | 8°38 | 3° 3 | 13° 1 | 9°50 | 24°24 | 5°44 | 6°33 | 25° 7 | 7° 4 | 8° 2 | 12°29 | 23°42 | T 20 |
| F 21 | 13 58 59 | 1°37'02 | 28°54 | 10°41 | 4°18 | 13°35 | 9°57 | 24°32 | 5°42 | 6°33 | 25° 5 | 6°55 | 7°59 | 12°36 | 23°46 | F 21 |
| S 22 | 14 2 55 | 2°36'05 | 12♎20 | 12°42 | 5°32 | 14° 8 | 10° 3 | 24°39 | 5°41 | 6°32 | 25° 3 | 6°44 | 7°56 | 12°43 | 23°50 | S 22 |
| S 23 | 14 6 52 | 3°35'06 | 26° 9 | 14°43 | 6°46 | 14°42 | 10°10 | 24°47 | 5°40 | 6°32 | 25° 2 | 6°34 | 7°53 | 12°49 | 23°53 | S 23 |
| M24 | 14 10 48 | 4°34'05 | 10♏15 | 16°41 | 8° 1 | 15°16 | 10°16 | 24°54 | 5°39 | 6°31 | 25° 0 | 6°24 | 7°50 | 12°56 | 23°57 | M24 |
| T 25 | 14 14 45 | 5°33'02 | 24°34 | 18°37 | 9°15 | 15°49 | 10°22 | 25° 2 | 5°38 | 6°31 | 24°59 | 6°16 | 7°46 | 13° 2 | 24° 1 | T 25 |
| W26 | 14 18 42 | 6°31'57 | 9♐ 0 | 20°31 | 10°30 | 16°23 | 10°28 | 25° 9 | 5°38 | 6°30 | 24°57 | 6°11 | 7°43 | 13° 9 | 24° 5 | W26 |
| T 27 | 14 22 38 | 7°30'51 | 23°28 | 22°22 | 11°44 | 16°57 | 10°34 | 25°16 | 5°37 | 6°29 | 24°55 | 6° 8 | 7°40 | 13°16 | 24° 8 | T 27 |
| F 28 | 14 26 35 | 8°29'43 | 7♑52 | 24°10 | 12°58 | 17°31 | 10°40 | 25°24 | 5°36 | 6°29 | 24°54 | 6°D 8 | 7°37 | 13°22 | 24°12 | F 28 |
| S 29 | 14 30 31 | 9°28'33 | 22°10 | 25°55 | 14°13 | 18° 5 | 10°45 | 25°31 | 5°35 | 6°28 | 24°52 | 6° 8 | 7°34 | 13°29 | 24°16 | S 29 |
| S 30 | 14 34 28 | 10♉27'22 | 6♒19 | 27♉36 | 15♉27 | 18♋39 | 10♒51 | 25♈38 | 5♍34 | 6♑27 | 24♎50 | 6°R 9 | 7♋31 | 13♋36 | 24♉20 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n39 | 23s 3 | 0s13 | 1s29 | 2s 8 | 2n25 | 1s25 | 25n16 | 1n59 | 18s30 | 0s 8 | 6n30 | 2s12 | 9n56 | 0n48 | 21s54 | 1n15 | 6n27 | 17n28 | 23n 1 | 23n 0 | 23n 2 | 15n34 | 2s52 |
| S 2 | 5 2 | 22 22 | 1 26 | 0 43 | 2 5 | 2 54 | 1 24 | 25 15 | 1 58 | 18 28 | 0 9 | 6 33 | 2 12 | 9 56 | 0 48 | 21 54 | 1 15 | 6 27 | 17 28 | 23 1 | 23 1 | 23 2 | 15 34 | 2 52 |
| M 3 | 5 25 | 20 17 | 2 34 | 0n 3 | 2 2 | 3 24 | 1 24 | 25 13 | 1 58 | 18 26 | 0 9 | 6 36 | 2 12 | 9 57 | 0 48 | 21 54 | 1 15 | 6 28 | 17 28 | 23 1 | 23 1 | 23 3 | 15 35 | 2 52 |
| T 4 | 5 48 | 16 58 | 3 33 | 0 51 | 1 58 | 3 53 | 1 23 | 25 12 | 1 57 | 18 23 | 0 9 | 6 39 | 2 12 | 9 58 | 0 48 | 21 54 | 1 15 | 6 29 | 17 28 | 23 2 | 23 1 | 23 3 | 15 36 | 2 52 |
| W 5 | 6 11 | 12 44 | 4 18 | 1 39 | 1 54 | 4 23 | 1 22 | 25 10 | 1 57 | 18 21 | 0 9 | 6 41 | 2 12 | 9 58 | 0 48 | 21 54 | 1 15 | 6 29 | 17 28 | 23 2 | 23 1 | 23 3 | 15 37 | 2 52 |
| T 6 | 6 34 | 7 51 | 4 47 | 2 27 | 1 49 | 4 52 | 1 22 | 25 9 | 1 56 | 18 19 | 0 9 | 6 44 | 2 11 | 9 59 | 0 48 | 21 54 | 1 15 | 6 30 | 17 28 | 23 3 | 23 1 | 23 4 | 15 38 | 2 52 |
| F 7 | 6 56 | 2 39 | 5 0 | 3 17 | 1 43 | 5 21 | 1 21 | 25 7 | 1 56 | 18 17 | 0 9 | 6 47 | 2 11 | 10 0 | 0 48 | 21 54 | 1 15 | 6 31 | 17 28 | 23 4 | 23 2 | 23 4 | 15 39 | 2 52 |
| S 8 | 7 19 | 2n36 | 4 56 | 4 7 | 1 37 | 5 51 | 1 20 | 25 5 | 1 55 | 18 15 | 0 9 | 6 50 | 2 11 | 10 0 | 0 48 | 21 54 | 1 15 | 6 31 | 17 29 | 23 4 | 23 2 | 23 4 | 15 39 | 2 52 |
| S 9 | 7 41 | 7 38 | 4 36 | 4 58 | 1 31 | 6 20 | 1 19 | 25 3 | 1 55 | 18 13 | 0 9 | 6 52 | 2 11 | 10 1 | 0 48 | 21 54 | 1 15 | 6 32 | 17 29 | 23 5 | 23 2 | 23 5 | 15 40 | 2 51 |
| M10 | 8 4 | 12 13 | 4 2 | 5 49 | 1 24 | 6 48 | 1 18 | 25 0 | 1 54 | 18 11 | 0 10 | 6 55 | 2 11 | 10 1 | 0 48 | 21 54 | 1 15 | 6 33 | 17 29 | 23 6 | 23 2 | 23 5 | 15 41 | 2 51 |
| T 11 | 8 26 | 16 11 | 3 17 | 6 41 | 1 17 | 7 17 | 1 17 | 24 58 | 1 54 | 18 9 | 0 10 | 6 58 | 2 11 | 10 2 | 0 48 | 21 54 | 1 15 | 6 33 | 17 29 | 23 6 | 23 2 | 23 5 | 15 42 | 2 51 |
| W12 | 8 48 | 19 22 | 2 23 | 7 33 | 1 9 | 7 46 | 1 16 | 24 55 | 1 54 | 18 7 | 0 10 | 7 0 | 2 11 | 10 3 | 0 48 | 21 54 | 1 15 | 6 34 | 17 29 | 23 7 | 23 3 | 23 5 | 15 43 | 2 51 |
| T 13 | 9 10 | 21 38 | 1 24 | 8 25 | 1 1 | 8 14 | 1 15 | 24 53 | 1 53 | 18 5 | 0 10 | 7 3 | 2 11 | 10 3 | 0 48 | 21 54 | 1 15 | 6 35 | 17 29 | 23 7 | 23 3 | 23 6 | 15 44 | 2 51 |
| F 14 | 9 31 | 22 55 | 0 22 | 9 17 | 0 52 | 8 42 | 1 13 | 24 50 | 1 53 | 18 3 | 0 10 | 7 6 | 2 11 | 10 4 | 0 48 | 21 54 | 1 15 | 6 35 | 17 29 | 23 7 | 23 3 | 23 6 | 15 45 | 2 51 |
| S 15 | 9 53 | 23 9 | 0n41 | 10 10 | 0 42 | 9 10 | 1 12 | 24 47 | 1 52 | 18 1 | 0 10 | 7 9 | 2 11 | 10 4 | 0 48 | 21 54 | 1 15 | 6 36 | 17 29 | 23 7 | 23 3 | 23 6 | 15 45 | 2 51 |
| S 16 | 10 14 | 22 21 | 1 42 | 11 2 | 0 33 | 9 38 | 1 11 | 24 44 | 1 52 | 17 59 | 0 10 | 7 11 | 2 12 | 10 5 | 0 48 | 21 54 | 1 15 | 6 36 | 17 29 | 23 7 | 23 3 | 23 7 | 15 46 | 2 51 |
| M17 | 10 36 | 20 33 | 2 39 | 11 54 | 0 23 | 10 6 | 1 9 | 24 41 | 1 51 | 17 57 | 0 10 | 7 14 | 2 12 | 10 5 | 0 48 | 21 54 | 1 15 | 6 37 | 17 29 | 23 7 | 23 4 | 23 7 | 15 47 | 2 51 |
| T 18 | 10 57 | 17 48 | 3 30 | 12 46 | 0 12 | 10 33 | 1 8 | 24 37 | 1 51 | 17 56 | 0 11 | 7 17 | 2 12 | 10 5 | 0 48 | 21 54 | 1 15 | 6 38 | 17 29 | 23 7 | 23 4 | 23 7 | 15 48 | 2 51 |
| W19 | 11 17 | 14 13 | 4 12 | 13 37 | 0 2 | 11 0 | 1 6 | 24 34 | 1 50 | 17 54 | 0 11 | 7 19 | 2 12 | 10 6 | 0 48 | 21 54 | 1 15 | 6 38 | 17 29 | 23 7 | 23 4 | 23 7 | 15 49 | 2 51 |
| T 20 | 11 38 | 9 54 | 4 43 | 14 27 | 0n 9 | 11 27 | 1 5 | 24 30 | 1 50 | 17 52 | 0 11 | 7 22 | 2 12 | 10 6 | 0 48 | 21 54 | 1 16 | 6 39 | 17 29 | 23 8 | 23 4 | 23 8 | 15 50 | 2 51 |
| F 21 | 11 58 | 5 2 | 5 1 | 15 16 | 0 21 | 11 53 | 1 3 | 24 26 | 1 49 | 17 50 | 0 11 | 7 25 | 2 12 | 10 7 | 0 48 | 21 54 | 1 16 | 6 39 | 17 29 | 23 8 | 23 4 | 23 8 | 15 51 | 2 51 |
| S 22 | 12 19 | 0s13 | 5 2 | 16 4 | 0 32 | 12 20 | 1 2 | 24 22 | 1 49 | 17 49 | 0 11 | 7 28 | 2 12 | 10 7 | 0 48 | 21 54 | 1 16 | 6 40 | 17 29 | 23 9 | 23 5 | 23 8 | 15 52 | 2 51 |
| S 23 | 12 39 | 5 35 | 4 46 | 16 51 | 0 43 | 12 46 | 1 0 | 24 18 | 1 48 | 17 47 | 0 11 | 7 30 | 2 12 | 10 7 | 0 48 | 21 54 | 1 16 | 6 40 | 17 29 | 23 9 | 23 5 | 23 8 | 15 52 | 2 51 |
| M24 | 12 59 | 10 48 | 4 13 | 17 36 | 0 54 | 13 11 | 0 58 | 24 14 | 1 48 | 17 46 | 0 11 | 7 33 | 2 12 | 10 8 | 0 48 | 21 54 | 1 16 | 6 41 | 17 29 | 23 10 | 23 5 | 23 9 | 15 53 | 2 52 |
| T 25 | 13 18 | 15 32 | 3 23 | 18 19 | 1 5 | 13 37 | 0 56 | 24 10 | 1 47 | 17 44 | 0 12 | 7 35 | 2 12 | 10 8 | 0 48 | 21 54 | 1 16 | 6 41 | 17 29 | 23 10 | 23 5 | 23 9 | 15 54 | 2 52 |
| W26 | 13 38 | 19 23 | 2 20 | 19 0 | 1 16 | 14 2 | 0 55 | 24 5 | 1 47 | 17 43 | 0 12 | 7 38 | 2 12 | 10 8 | 0 48 | 21 54 | 1 16 | 6 42 | 17 29 | 23 10 | 23 5 | 23 9 | 15 55 | 2 52 |
| T 27 | 13 57 | 22 2 | 1 7 | 19 40 | 1 26 | 14 26 | 0 53 | 24 0 | 1 47 | 17 41 | 0 12 | 7 41 | 2 12 | 10 9 | 0 48 | 21 54 | 1 16 | 6 42 | 17 29 | 23 10 | 23 6 | 23 9 | 15 56 | 2 52 |
| F 28 | 14 16 | 23 14 | 0s 9 | 20 17 | 1 37 | 14 50 | 0 51 | 23 56 | 1 46 | 17 40 | 0 12 | 7 43 | 2 12 | 10 9 | 0 48 | 21 54 | 1 16 | 6 43 | 17 28 | 23 10 | 23 6 | 23 10 | 15 57 | 2 52 |
| S 29 | 14 34 | 22 54 | 1 25 | 20 51 | 1 46 | 15 14 | 0 49 | 23 51 | 1 46 | 17 38 | 0 12 | 7 46 | 2 12 | 10 9 | 0 47 | 21 54 | 1 16 | 6 43 | 17 28 | 23 10 | 23 6 | 23 10 | 15 58 | 2 52 |
| S 30 | 14n53 | 21s 6 | 2s35 | 21n24 | 1n55 | 15n38 | 0s47 | 23n46 | 1n45 | 17s37 | 0s12 | 7n49 | 2s12 | 10n 9 | 0n47 | 21s54 | 1n16 | 6n44 | 17n28 | 23n10 | 23n 6 | 23n10 | 15n59 | 2s52 |

Julian Day Number = 2805555.5, Delta T = 51m35s
Ecliptic obliquity = 23°18'48, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°18'28, Lahiri = 37°25'29


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# ASTRODIENST EPHEMERIS for the year 2969
# geocentric

## MAY 2969 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 38 24 | 11♉26'09 | 20♒18 | 29♉13 | 16♉41 | 19♋13 | 10♒56 | 25♈46 | 5°R34 | 6°R27 | 24°R49 | 6°R 9 | 7♋27 | 13♋42 | 24♉24 | M 1 |
| T 2 | 14 42 21 | 12°24'54 | 4♓ 7 | 0♊45 | 17°55 | 19°47 | 11° 1 | 25°53 | 5♍33 | 6♑26 | 24♎47 | 6♋ 6 | 7°24 | 13°49 | 24°27 | T 2 |
| W 3 | 14 46 18 | 13°23'38 | 17°45 | 2°13 | 19°10 | 20°21 | 11° 6 | 26° 0 | 5°33 | 6°25 | 24°46 | 6° 2 | 7°21 | 13°56 | 24°31 | W 3 |
| T 4 | 14 50 14 | 14°22'19 | 1♈12 | 3°37 | 20°24 | 20°56 | 11°11 | 26° 8 | 5°32 | 6°24 | 24°44 | 5°56 | 7°18 | 14° 2 | 24°35 | T 4 |
| F 5 | 14 54 11 | 15°21'00 | 14°27 | 4°55 | 21°38 | 21°30 | 11°15 | 26°15 | 5°32 | 6°23 | 24°43 | 5°48 | 7°15 | 14° 9 | 24°39 | F 5 |
| S 6 | 14 58 7 | 16°19'38 | 27°29 | 6° 9 | 22°52 | 22° 4 | 11°20 | 26°22 | 5°31 | 6°23 | 24°41 | 5°39 | 7°11 | 14°16 | 24°43 | S 6 |
| S 7 | 15 2 4 | 17°18'15 | 10♉18 | 7°18 | 24° 6 | 22°39 | 11°24 | 26°29 | 5°31 | 6°22 | 24°39 | 5°30 | 7° 8 | 14°22 | 24°47 | S 7 |
| M 8 | 15 6 0 | 18°16'50 | 22°53 | 8°21 | 25°21 | 23°13 | 11°28 | 26°36 | 5°31 | 6°21 | 24°38 | 5°22 | 7° 5 | 14°29 | 24°51 | M 8 |
| T 9 | 15 9 57 | 19°15'23 | 5♊14 | 9°20 | 26°35 | 23°47 | 11°32 | 26°44 | 5°31 | 6°20 | 24°36 | 5°17 | 7° 2 | 14°35 | 24°55 | T 9 |
| W10 | 15 13 53 | 20°13'54 | 17°23 | 10°13 | 27°49 | 24°22 | 11°35 | 26°51 | 5°30 | 6°19 | 24°35 | 5°13 | 6°59 | 14°42 | 24°58 | W10 |
| T 11 | 15 17 50 | 21°12'23 | 29°21 | 11° 0 | 29° 3 | 24°57 | 11°39 | 26°58 | 5°30 | 6°18 | 24°34 | 5°11 | 6°56 | 14°49 | 25° 2 | T 11 |
| F 12 | 15 21 46 | 22°10'50 | 11♋13 | 11°42 | 0♊17 | 25°31 | 11°42 | 27° 5 | 5°D30 | 6°17 | 24°32 | 5°D11 | 6°52 | 14°55 | 25° 6 | F 12 |
| S 13 | 15 25 43 | 23° 9'16 | 23° 0 | 12°19 | 1°31 | 26° 6 | 11°45 | 27°12 | 5°30 | 6°16 | 24°31 | 5°12 | 6°49 | 15° 2 | 25°10 | S 13 |
| S 14 | 15 29 40 | 24° 7'39 | 4♌48 | 12°50 | 2°45 | 26°41 | 11°48 | 27°19 | 5°30 | 6°15 | 24°29 | 5°14 | 6°46 | 15° 9 | 25°14 | S 14 |
| M15 | 15 33 36 | 25° 6'00 | 16°42 | 13°16 | 3°59 | 27°15 | 11°51 | 27°26 | 5°30 | 6°14 | 24°28 | 5°15 | 6°43 | 15°15 | 25°18 | M15 |
| T 16 | 15 37 33 | 26° 4'19 | 28°47 | 13°36 | 5°13 | 27°50 | 11°54 | 27°33 | 5°31 | 6°12 | 24°26 | 5°R15 | 6°40 | 15°22 | 25°22 | T 16 |
| W17 | 15 41 29 | 27° 2'36 | 11♍ 7 | 13°50 | 6°27 | 28°25 | 11°56 | 27°40 | 5°31 | 6°11 | 24°25 | 5°14 | 6°37 | 15°29 | 25°26 | W17 |
| T 18 | 15 45 26 | 28° 0'51 | 23°48 | 13°59 | 7°41 | 29° 0 | 11°58 | 27°46 | 5°31 | 6°10 | 24°24 | 5°12 | 6°33 | 15°35 | 25°30 | T 18 |
| F 19 | 15 49 22 | 28°59'04 | 6♎53 | 14°R 2 | 8°55 | 29°35 | 12° 0 | 27°53 | 5°31 | 6° 9 | 24°22 | 5° 7 | 6°30 | 15°42 | 25°34 | F 19 |
| S 20 | 15 53 19 | 29°57'15 | 20°23 | 14° 1 | 10° 9 | 0♌10 | 12° 2 | 28° 0 | 5°32 | 6° 8 | 24°21 | 5° 2 | 6°27 | 15°49 | 25°38 | S 20 |
| S 21 | 15 57 15 | 0♊55'25 | 4♏19 | 13°54 | 11°23 | 0°45 | 12° 4 | 28° 7 | 5°32 | 6° 7 | 24°20 | 4°57 | 6°24 | 15°55 | 25°42 | S 21 |
| M22 | 16 1 12 | 1°53'32 | 18°38 | 13°42 | 12°37 | 1°20 | 12° 6 | 28°13 | 5°33 | 6° 5 | 24°19 | 4°52 | 6°21 | 16° 2 | 25°46 | M22 |
| T 23 | 16 5 9 | 2°51'38 | 3♐16 | 13°26 | 13°50 | 1°55 | 12° 7 | 28°20 | 5°33 | 6° 4 | 24°17 | 4°48 | 6°17 | 16° 9 | 25°49 | T 23 |
| W24 | 16 9 5 | 3°49'43 | 18° 4 | 13° 6 | 15° 4 | 2°30 | 12° 8 | 28°27 | 5°34 | 6° 3 | 24°16 | 4°46 | 6°14 | 16°15 | 25°53 | W24 |
| T 25 | 16 13 2 | 4°47'45 | 2♑57 | 12°42 | 16°18 | 3° 5 | 12° 9 | 28°33 | 5°35 | 6° 1 | 24°15 | 4°D45 | 6°11 | 16°22 | 25°57 | T 25 |
| F 26 | 16 16 58 | 5°45'47 | 17°45 | 12°15 | 17°32 | 3°40 | 12°10 | 28°40 | 5°35 | 6° 0 | 24°14 | 4°45 | 6° 8 | 16°28 | 26° 1 | F 26 |
| S 27 | 16 20 55 | 6°43'47 | 2♒23 | 11°45 | 18°46 | 4°15 | 12°10 | 28°46 | 5°36 | 5°59 | 24°13 | 4°47 | 6° 5 | 16°35 | 26° 5 | S 27 |
| S 28 | 16 24 51 | 7°41'46 | 16°47 | 11°12 | 19°59 | 4°51 | 12°11 | 28°53 | 5°37 | 5°57 | 24°12 | 4°48 | 6° 2 | 16°42 | 26° 9 | S 28 |
| M29 | 16 28 48 | 8°39'43 | 0♓53 | 10°38 | 21°13 | 5°26 | 12°R11 | 28°59 | 5°38 | 5°56 | 24°11 | 4°49 | 5°58 | 16°48 | 26°13 | M29 |
| T 30 | 16 32 45 | 9°37'39 | 14°41 | 10° 3 | 22°27 | 6° 1 | 12°11 | 29° 5 | 5°39 | 5°55 | 24°10 | 4°R49 | 5°55 | 16°55 | 26°17 | T 30 |
| W31 | 16 36 41 | 10♊35'34 | 28♓11 | 9♊28 | 23♊41 | 6♌36 | 12♒11 | 29♈11 | 5♍40 | 5♑53 | 24♎ 8 | 4♋48 | 5♋52 | 17♋ 2 | 26♉20 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15n11 | 18s 2 | 3s34 | 21n53 | 2n 4 | 16n 1 | 0s45 | 23n40 | 1n45 | 17s36 | 0s12 | 7n51 | 2s12 | 10n10 | 0n47 | 21s54 | 1n16 | 6n44 | 17n28 | 23n10 | 23n 6 | 23n10 | 16n 0 | 2s52 |
| T 2 | 15 29 | 14 0 | 4 21 | 22 21 | 2 12 | 16 24 | 0 43 | 23 35 | 1 44 | 17 35 | 0 13 | 7 54 | 2 12 | 10 10 | 0 47 | 21 54 | 1 16 | 6 44 | 17 28 | 23 10 | 23 6 | 23 10 | 16 0 | 2 52 |
| W 3 | 15 47 | 9 17 | 4 51 | 22 46 | 2 19 | 16 46 | 0 41 | 23 29 | 1 44 | 17 33 | 0 13 | 7 56 | 2 12 | 10 10 | 0 47 | 21 54 | 1 16 | 6 45 | 17 28 | 23 11 | 23 7 | 23 11 | 16 1 | 2 52 |
| T 4 | 16 4 | 4 12 | 5 6 | 23 8 | 2 25 | 17 8 | 0 39 | 23 24 | 1 43 | 17 32 | 0 13 | 7 59 | 2 12 | 10 10 | 0 47 | 21 54 | 1 16 | 6 45 | 17 28 | 23 11 | 23 7 | 23 11 | 16 2 | 2 52 |
| F 5 | 16 21 | 1n 0 | 5 3 | 23 28 | 2 30 | 17 29 | 0 37 | 23 18 | 1 43 | 17 31 | 0 13 | 8 1 | 2 12 | 10 10 | 0 47 | 21 54 | 1 16 | 6 46 | 17 27 | 23 11 | 23 7 | 23 11 | 16 3 | 2 52 |
| S 6 | 16 38 | 6 5 | 4 45 | 23 46 | 2 35 | 17 50 | 0 34 | 23 12 | 1 42 | 17 30 | 0 13 | 8 4 | 2 12 | 10 10 | 0 47 | 21 54 | 1 16 | 6 46 | 17 27 | 23 12 | 23 7 | 23 11 | 16 4 | 2 52 |
| S 7 | 16 55 | 10 50 | 4 13 | 24 1 | 2 38 | 18 11 | 0 32 | 23 6 | 1 42 | 17 29 | 0 13 | 8 6 | 2 13 | 10 10 | 0 47 | 21 54 | 1 16 | 6 46 | 17 27 | 23 12 | 23 7 | 23 11 | 16 5 | 2 52 |
| M 8 | 17 11 | 15 2 | 3 28 | 24 14 | 2 41 | 18 31 | 0 30 | 23 0 | 1 41 | 17 28 | 0 14 | 8 9 | 2 13 | 10 10 | 0 47 | 21 54 | 1 16 | 6 47 | 17 27 | 23 12 | 23 7 | 23 11 | 16 6 | 2 52 |
| T 9 | 17 27 | 18 31 | 2 35 | 24 24 | 2 42 | 18 50 | 0 28 | 22 53 | 1 41 | 17 27 | 0 14 | 8 11 | 2 13 | 10 10 | 0 47 | 21 54 | 1 16 | 6 47 | 17 27 | 23 13 | 23 8 | 23 12 | 16 7 | 2 52 |
| W10 | 17 43 | 21 9 | 1 35 | 24 33 | 2 43 | 19 9 | 0 25 | 22 47 | 1 40 | 17 26 | 0 14 | 8 14 | 2 13 | 10 10 | 0 47 | 21 54 | 1 16 | 6 47 | 17 26 | 23 13 | 23 8 | 23 12 | 16 7 | 2 52 |
| T 11 | 17 58 | 22 47 | 0 32 | 24 39 | 2 42 | 19 28 | 0 23 | 22 40 | 1 40 | 17 26 | 0 14 | 8 16 | 2 13 | 10 10 | 0 47 | 21 54 | 1 16 | 6 47 | 17 26 | 23 13 | 23 8 | 23 12 | 16 8 | 2 52 |
| F 12 | 18 13 | 23 23 | 0n33 | 24 43 | 2 40 | 19 46 | 0 21 | 22 33 | 1 40 | 17 25 | 0 14 | 8 19 | 2 13 | 10 10 | 0 47 | 21 54 | 1 16 | 6 48 | 17 26 | 23 13 | 23 8 | 23 12 | 16 9 | 2 52 |
| S 13 | 18 28 | 22 56 | 1 35 | 24 45 | 2 37 | 20 3 | 0 18 | 22 26 | 1 39 | 17 24 | 0 14 | 8 21 | 2 13 | 10 10 | 0 47 | 21 54 | 1 16 | 6 48 | 17 26 | 23 13 | 23 8 | 23 12 | 16 10 | 2 52 |
| S 14 | 18 42 | 21 27 | 2 34 | 24 44 | 2 33 | 20 20 | 0 16 | 22 19 | 1 39 | 17 23 | 0 14 | 8 23 | 2 13 | 10 10 | 0 47 | 21 54 | 1 16 | 6 48 | 17 25 | 23 13 | 23 8 | 23 12 | 16 11 | 2 52 |
| M15 | 18 56 | 19 2 | 3 27 | 24 42 | 2 27 | 20 37 | 0 14 | 22 12 | 1 38 | 17 23 | 0 15 | 8 26 | 2 13 | 10 10 | 0 47 | 21 54 | 1 16 | 6 48 | 17 25 | 23 13 | 23 9 | 23 12 | 16 12 | 2 52 |
| T 16 | 19 10 | 15 45 | 4 11 | 24 38 | 2 21 | 20 52 | 0 11 | 22 5 | 1 38 | 17 22 | 0 15 | 8 28 | 2 13 | 10 10 | 0 47 | 21 54 | 1 16 | 6 49 | 17 25 | 23 13 | 23 9 | 23 13 | 16 13 | 2 53 |
| W17 | 19 24 | 11 45 | 4 45 | 24 32 | 2 13 | 21 8 | 0 9 | 21 57 | 1 37 | 17 22 | 0 15 | 8 30 | 2 14 | 10 10 | 0 47 | 21 54 | 1 16 | 6 49 | 17 25 | 23 13 | 23 9 | 23 13 | 16 13 | 2 53 |
| T 18 | 19 37 | 7 8 | 5 6 | 24 24 | 2 4 | 21 22 | 0 6 | 21 50 | 1 37 | 17 21 | 0 15 | 8 33 | 2 14 | 10 10 | 0 47 | 21 54 | 1 16 | 6 49 | 17 24 | 23 13 | 23 9 | 23 13 | 16 14 | 2 53 |
| F 19 | 19 50 | 2 3 | 5 11 | 24 15 | 1 54 | 21 36 | 0 4 | 21 42 | 1 36 | 17 21 | 0 15 | 8 35 | 2 14 | 10 10 | 0 47 | 21 54 | 1 16 | 6 49 | 17 24 | 23 13 | 23 9 | 23 13 | 16 15 | 2 53 |
| S 20 | 20 2 | 3s16 | 5 1 | 24 3 | 1 42 | 21 50 | 0 1 | 21 34 | 1 36 | 17 20 | 0 15 | 8 37 | 2 14 | 10 10 | 0 47 | 21 54 | 1 16 | 6 49 | 17 24 | 23 13 | 23 9 | 23 13 | 16 16 | 2 53 |
| S 21 | 20 14 | 8 37 | 4 32 | 23 50 | 1 30 | 22 3 | 0n 1 | 21 26 | 1 35 | 17 20 | 0 16 | 8 40 | 2 14 | 10 9 | 0 47 | 21 54 | 1 16 | 6 50 | 17 23 | 23 13 | 23 10 | 23 13 | 16 17 | 2 53 |
| M22 | 20 26 | 13 40 | 3 46 | 23 35 | 1 16 | 22 15 | 0 3 | 21 18 | 1 35 | 17 20 | 0 16 | 8 42 | 2 14 | 10 9 | 0 47 | 21 54 | 1 16 | 6 50 | 17 23 | 23 13 | 23 10 | 23 13 | 16 18 | 2 53 |
| T 23 | 20 37 | 18 1 | 2 44 | 23 19 | 1 2 | 22 26 | 0 6 | 21 10 | 1 34 | 17 20 | 0 16 | 8 44 | 2 14 | 10 9 | 0 47 | 21 54 | 1 16 | 6 50 | 17 23 | 23 14 | 23 10 | 23 13 | 16 18 | 2 53 |
| W24 | 20 48 | 21 17 | 1 30 | 23 1 | 0 47 | 22 37 | 0 8 | 21 1 | 1 34 | 17 19 | 0 16 | 8 46 | 2 14 | 10 9 | 0 46 | 21 54 | 1 16 | 6 50 | 17 22 | 23 14 | 23 10 | 23 13 | 16 19 | 2 53 |
| T 25 | 20 59 | 23 7 | 0 10 | 22 42 | 0 31 | 22 48 | 0 11 | 20 53 | 1 33 | 17 19 | 0 16 | 8 48 | 2 15 | 10 8 | 0 46 | 21 54 | 1 16 | 6 50 | 17 22 | 23 14 | 23 10 | 23 13 | 16 20 | 2 53 |
| F 26 | 21 9 | 23 19 | 1s11 | 22 22 | 0 14 | 22 57 | 0 13 | 20 44 | 1 33 | 17 19 | 0 16 | 8 51 | 2 15 | 10 8 | 0 46 | 21 54 | 1 16 | 6 50 | 17 22 | 23 14 | 23 10 | 23 13 | 16 21 | 2 53 |
| S 27 | 21 19 | 21 54 | 2 26 | 22 1 | 0s 3 | 23 6 | 0 16 | 20 35 | 1 32 | 17 19 | 0 17 | 8 53 | 2 15 | 10 8 | 0 46 | 21 54 | 1 16 | 6 50 | 17 21 | 23 14 | 23 10 | 23 13 | 16 22 | 2 54 |
| S 28 | 21 29 | 19 4 | 3 31 | 21 40 | 0 21 | 23 14 | 0 18 | 20 27 | 1 32 | 17 19 | 0 17 | 8 55 | 2 15 | 10 7 | 0 46 | 21 54 | 1 16 | 6 50 | 17 21 | 23 14 | 23 11 | 23 13 | 16 22 | 2 54 |
| M29 | 21 38 | 15 10 | 4 21 | 21 17 | 0 39 | 23 22 | 0 21 | 20 18 | 1 32 | 17 20 | 0 17 | 8 57 | 2 15 | 10 7 | 0 46 | 21 54 | 1 16 | 6 50 | 17 21 | 23 14 | 23 11 | 23 13 | 16 23 | 2 54 |
| T 30 | 21 47 | 10 33 | 4 56 | 20 55 | 0 56 | 23 29 | 0 23 | 20 8 | 1 31 | 17 20 | 0 17 | 8 59 | 2 15 | 10 7 | 0 46 | 21 55 | 1 16 | 6 50 | 17 20 | 23 14 | 23 11 | 23 14 | 16 24 | 2 54 |
| W31 | 21n55 | 5s30 | 5s13 | 20n32 | 1s14 | 23n35 | 0n25 | 19n59 | 1n31 | 17s20 | 0s17 | 9n 1 | 2s15 | 10n 6 | 0n46 | 21s55 | 1n17 | 6n50 | 17n20 | 23n14 | 23n11 | 23n14 | 16n25 | 2s54 |

Julian Day Number = 2805585.5, Delta T = 51m36s
Ecliptic obliquity = 23°18'48, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°18'32, Lahiri = 37°25'33


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# ASTRODIENST EPHEMERIS for the year 2969
# geocentric

## JUNE 2969 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 40 38 | 11♊33'28 | 11♈24 | 8°R53 | 24♊54 | 7♌12 | 12°R10 | 29♈18 | 5♍41 | 5°R52 | 24°R 7 | 4°R46 | 5♋49 | 17♋ 8 | 26♉24 | T 1 |
| F 2 | 16 44 34 | 12°31'21 | 24°21 | 8♊18 | 26° 8 | 7°47 | 12♒10 | 29°24 | 5°42 | 5♏50 | 24♎ 6 | 4♋43 | 5°46 | 17°15 | 26°28 | F 2 |
| S 3 | 16 48 31 | 13°29'13 | 7♉ 3 | 7°45 | 27°22 | 8°23 | 12° 9 | 29°30 | 5°43 | 5°49 | 24° 6 | 4°40 | 5°43 | 17°22 | 26°32 | S 3 |
| S 4 | 16 52 27 | 14°27'03 | 19°32 | 7°14 | 28°35 | 8°58 | 12° 8 | 29°36 | 5°44 | 5°47 | 24° 5 | 4°37 | 5°39 | 17°28 | 26°36 | S 4 |
| M 5 | 16 56 24 | 15°24'52 | 1♊50 | 6°46 | 29°49 | 9°33 | 12° 7 | 29°42 | 5°45 | 5°46 | 24° 4 | 4°34 | 5°36 | 17°35 | 26°39 | M 5 |
| T 6 | 17 0 20 | 16°22'40 | 13°57 | 6°20 | 1♋ 2 | 10° 9 | 12° 5 | 29°48 | 5°46 | 5°44 | 24° 3 | 4°32 | 5°33 | 17°42 | 26°43 | T 6 |
| W 7 | 17 4 17 | 17°20'26 | 25°56 | 5°58 | 2°16 | 10°45 | 12° 4 | 29°54 | 5°48 | 5°43 | 24° 2 | 4°31 | 5°30 | 17°48 | 26°47 | W 7 |
| T 8 | 17 8 14 | 18°18'12 | 7♋49 | 5°39 | 3°30 | 11°20 | 12° 2 | 29°59 | 5°49 | 5°41 | 24° 1 | 4°D31 | 5°27 | 17°55 | 26°51 | T 8 |
| F 9 | 17 12 10 | 19°15'56 | 19°37 | 5°24 | 4°43 | 11°56 | 12° 0 | 0♉ 5 | 5°51 | 5°40 | 24° 0 | 4°31 | 5°23 | 18° 2 | 26°54 | F 9 |
| S 10 | 17 16 7 | 20°13'38 | 1♌24 | 5°13 | 5°57 | 12°31 | 11°58 | 0°11 | 5°52 | 5°38 | 24° 0 | 4°32 | 5°20 | 18° 8 | 26°58 | S 10 |
| S 11 | 17 20 3 | 21°11'19 | 13°13 | 5° 7 | 7°10 | 13° 7 | 11°56 | 0°17 | 5°54 | 5°37 | 23°59 | 4°34 | 5°17 | 18°15 | 27° 2 | S 11 |
| M12 | 17 24 0 | 22° 8'59 | 25° 8 | 5°D 4 | 8°24 | 13°43 | 11°54 | 0°22 | 5°55 | 5°35 | 23°58 | 4°35 | 5°14 | 18°22 | 27° 5 | M12 |
| T 13 | 17 27 56 | 23° 6'37 | 7♍13 | 5° 7 | 9°37 | 14°19 | 11°51 | 0°28 | 5°57 | 5°34 | 23°58 | 4°36 | 5°11 | 18°28 | 27° 9 | T 13 |
| W14 | 17 31 53 | 24° 4'14 | 19°32 | 5°13 | 10°51 | 14°54 | 11°48 | 0°33 | 5°58 | 5°32 | 23°57 | 4°R36 | 5° 8 | 18°35 | 27°13 | W14 |
| T 15 | 17 35 49 | 25° 1'50 | 2♎10 | 5°25 | 12° 4 | 15°30 | 11°45 | 0°39 | 6° 0 | 5°31 | 23°56 | 4°36 | 5° 4 | 18°41 | 27°16 | T 15 |
| F 16 | 17 39 46 | 25°59'24 | 15°10 | 5°40 | 13°17 | 16° 6 | 11°42 | 0°44 | 6° 2 | 5°29 | 23°56 | 4°36 | 5° 1 | 18°48 | 27°20 | F 16 |
| S 17 | 17 43 43 | 26°56'56 | 28°36 | 6° 0 | 14°31 | 16°42 | 11°39 | 0°49 | 6° 4 | 5°27 | 23°55 | 4°35 | 4°58 | 18°55 | 27°23 | S 17 |
| S 18 | 17 47 39 | 27°54'28 | 12♏29 | 6°25 | 15°44 | 17°18 | 11°35 | 0°55 | 6° 6 | 5°26 | 23°55 | 4°34 | 4°55 | 19° 1 | 27°27 | S 18 |
| M19 | 17 51 36 | 28°51'58 | 26°48 | 6°54 | 16°58 | 17°53 | 11°31 | 1° 0 | 6° 7 | 5°24 | 23°54 | 4°34 | 4°52 | 19° 8 | 27°30 | M19 |
| T 20 | 17 55 32 | 29°49'28 | 11♐30 | 7°26 | 18°11 | 18°29 | 11°28 | 1° 5 | 6° 9 | 5°23 | 23°54 | 4°33 | 4°49 | 19°15 | 27°34 | T 20 |
| W21 | 17 59 29 | 0♋46'56 | 26°29 | 8° 3 | 19°24 | 19° 5 | 11°23 | 1°10 | 6°11 | 5°21 | 23°53 | 4°33 | 4°45 | 19°21 | 27°37 | W21 |
| T 22 | 18 3 25 | 1°44'23 | 11♑37 | 8°45 | 20°37 | 19°41 | 11°19 | 1°15 | 6°13 | 5°19 | 23°53 | 4°D33 | 4°42 | 19°28 | 27°41 | T 22 |
| F 23 | 18 7 22 | 2°41'50 | 26°44 | 9°30 | 21°51 | 20°17 | 11°15 | 1°20 | 6°16 | 5°18 | 23°53 | 4°33 | 4°39 | 19°35 | 27°44 | F 23 |
| S 24 | 18 11 18 | 3°39'16 | 11♒42 | 10°18 | 23° 4 | 20°53 | 11°10 | 1°24 | 6°18 | 5°16 | 23°52 | 4°33 | 4°36 | 19°41 | 27°48 | S 24 |
| S 25 | 18 15 15 | 4°36'41 | 26°24 | 11°11 | 24°17 | 21°29 | 11° 6 | 1°29 | 6°20 | 5°14 | 23°52 | 4°R33 | 4°33 | 19°48 | 27°51 | S 25 |
| M26 | 18 19 12 | 5°34'05 | 10♓44 | 12° 7 | 25°30 | 22° 5 | 11° 1 | 1°34 | 6°22 | 5°13 | 23°52 | 4°33 | 4°29 | 19°55 | 27°54 | M26 |
| T 27 | 18 23 8 | 6°31'29 | 24°40 | 13° 7 | 26°44 | 22°42 | 10°56 | 1°38 | 6°24 | 5°11 | 23°51 | 4°33 | 4°26 | 20° 1 | 27°57 | T 27 |
| W28 | 18 27 5 | 7°28'52 | 8♈12 | 14°11 | 27°57 | 23°18 | 10°51 | 1°43 | 6°27 | 5°10 | 23°51 | 4°D33 | 4°23 | 20° 8 | 28° 1 | W28 |
| T 29 | 18 31 1 | 8°26'15 | 21°20 | 15°17 | 29°10 | 23°54 | 10°46 | 1°47 | 6°29 | 5° 8 | 23°51 | 4°33 | 4°20 | 20°15 | 28° 4 | T 29 |
| F 30 | 18 34 58 | 9♋23'38 | 4♉ 8 | 16♊28 | 0♌23 | 24♌30 | 10♒40 | 1♉51 | 6♍31 | 5♏ 6 | 23♎51 | 4♋33 | 4♋17 | 20♋21 | 28♉ 7 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n 3 | 0s19 | 5s13 | 20n10 | 1s31 | 23n41 | 0n28 | 19n50 | 1n30 | 17s20 | 0s17 | 9n 3 | 2s16 | 10n 6 | 0n46 | 21s55 | 1n17 | 6n50 | 17n19 | 23n14 | 23n11 | 23n14 | 16n25 | 2s54 |
| F 2 | 22 11 | 4n47 | 4 57 | 19 48 | 1 48 | 23 46 | 0 30 | 19 40 | 1 30 | 17 21 | 0 18 | 9 5 | 2 16 | 10 5 | 0 46 | 21 55 | 1 17 | 6 50 | 17 19 | 23 14 | 23 11 | 23 14 | 16 26 | 2 54 |
| S 3 | 22 18 | 9 36 | 4 26 | 19 27 | 2 4 | 23 50 | 0 33 | 19 31 | 1 29 | 17 21 | 0 18 | 9 7 | 2 16 | 10 5 | 0 46 | 21 55 | 1 17 | 6 50 | 17 19 | 23 14 | 23 11 | 23 14 | 16 27 | 2 54 |
| S 4 | 22 25 | 13 56 | 3 43 | 19 7 | 2 20 | 23 53 | 0 35 | 19 21 | 1 29 | 17 21 | 0 18 | 9 9 | 2 16 | 10 5 | 0 46 | 21 55 | 1 17 | 6 50 | 17 18 | 23 14 | 23 12 | 23 14 | 16 28 | 2 54 |
| M 5 | 22 31 | 17 38 | 2 51 | 18 48 | 2 34 | 23 56 | 0 37 | 19 11 | 1 28 | 17 22 | 0 18 | 9 11 | 2 16 | 10 4 | 0 46 | 21 55 | 1 17 | 6 50 | 17 18 | 23 14 | 23 12 | 23 14 | 16 28 | 2 55 |
| T 6 | 22 37 | 20 31 | 1 51 | 18 30 | 2 48 | 23 58 | 0 40 | 19 1 | 1 28 | 17 22 | 0 18 | 9 13 | 2 16 | 10 4 | 0 46 | 21 55 | 1 17 | 6 50 | 17 17 | 23 14 | 23 12 | 23 14 | 16 29 | 2 55 |
| W 7 | 22 43 | 22 28 | 0 47 | 18 14 | 3 0 | 24 0 | 0 42 | 18 51 | 1 27 | 17 23 | 0 19 | 9 15 | 2 16 | 10 3 | 0 46 | 21 55 | 1 17 | 6 50 | 17 17 | 23 14 | 23 12 | 23 14 | 16 30 | 2 55 |
| T 8 | 22 48 | 23 23 | 0n18 | 17 59 | 3 12 | 24 0 | 0 44 | 18 41 | 1 27 | 17 24 | 0 19 | 9 17 | 2 17 | 10 2 | 0 46 | 21 55 | 1 17 | 6 50 | 17 16 | 23 14 | 23 12 | 23 14 | 16 31 | 2 55 |
| F 9 | 22 53 | 23 15 | 1 23 | 17 46 | 3 22 | 24 0 | 0 47 | 18 30 | 1 26 | 17 24 | 0 19 | 9 18 | 2 17 | 10 2 | 0 46 | 21 55 | 1 17 | 6 49 | 17 16 | 23 14 | 23 12 | 23 14 | 16 31 | 2 55 |
| S 10 | 22 57 | 22 5 | 2 24 | 17 36 | 3 31 | 24 0 | 0 49 | 18 20 | 1 26 | 17 25 | 0 19 | 9 20 | 2 17 | 10 1 | 0 46 | 21 55 | 1 17 | 6 49 | 17 15 | 23 14 | 23 12 | 23 13 | 16 32 | 2 55 |
| S 11 | 23 1 | 19 56 | 3 18 | 17 27 | 3 39 | 23 58 | 0 51 | 18 9 | 1 25 | 17 26 | 0 19 | 9 22 | 2 17 | 10 1 | 0 46 | 21 55 | 1 17 | 6 49 | 17 15 | 23 14 | 23 13 | 23 13 | 16 33 | 2 55 |
| M12 | 23 5 | 16 56 | 4 5 | 17 20 | 3 46 | 23 56 | 0 53 | 17 59 | 1 25 | 17 27 | 0 19 | 9 24 | 2 17 | 10 0 | 0 46 | 21 55 | 1 17 | 6 49 | 17 15 | 23 14 | 23 13 | 23 13 | 16 33 | 2 55 |
| T 13 | 23 8 | 13 11 | 4 42 | 17 14 | 3 52 | 23 53 | 0 55 | 17 48 | 1 25 | 17 28 | 0 20 | 9 26 | 2 18 | 9 59 | 0 46 | 21 55 | 1 17 | 6 49 | 17 14 | 23 14 | 23 13 | 23 13 | 16 34 | 2 56 |
| W14 | 23 11 | 8 50 | 5 7 | 17 11 | 3 56 | 23 50 | 0 57 | 17 37 | 1 24 | 17 29 | 0 20 | 9 27 | 2 18 | 9 59 | 0 46 | 21 55 | 1 17 | 6 48 | 17 14 | 23 14 | 23 13 | 23 13 | 16 35 | 2 56 |
| T 15 | 23 13 | 4 0 | 5 17 | 17 10 | 3 59 | 23 45 | 0 59 | 17 26 | 1 24 | 17 29 | 0 20 | 9 29 | 2 18 | 9 58 | 0 46 | 21 55 | 1 17 | 6 48 | 17 13 | 23 14 | 23 13 | 23 13 | 16 35 | 2 56 |
| F 16 | 23 15 | 1s 8 | 5 12 | 17 10 | 4 2 | 23 40 | 1 1 | 17 15 | 1 23 | 17 31 | 0 20 | 9 31 | 2 18 | 9 57 | 0 46 | 21 55 | 1 17 | 6 48 | 17 13 | 23 14 | 23 13 | 23 13 | 16 36 | 2 56 |
| S 17 | 23 17 | 6 24 | 4 50 | 17 13 | 4 3 | 23 35 | 1 3 | 17 4 | 1 23 | 17 32 | 0 20 | 9 32 | 2 18 | 9 57 | 0 46 | 21 56 | 1 17 | 6 48 | 17 12 | 23 14 | 23 13 | 23 13 | 16 37 | 2 56 |
| S 18 | 23 18 | 11 31 | 4 11 | 17 16 | 4 3 | 23 28 | 1 5 | 16 53 | 1 22 | 17 33 | 0 20 | 9 34 | 2 19 | 9 56 | 0 46 | 21 56 | 1 17 | 6 47 | 17 12 | 23 14 | 23 13 | 23 13 | 16 37 | 2 56 |
| M19 | 23 19 | 16 11 | 3 15 | 17 22 | 4 2 | 23 21 | 1 7 | 16 41 | 1 22 | 17 34 | 0 21 | 9 35 | 2 19 | 9 55 | 0 45 | 21 56 | 1 17 | 6 47 | 17 11 | 23 14 | 23 13 | 23 13 | 16 38 | 2 57 |
| T 20 | 23 19 | 19 59 | 2 5 | 17 29 | 4 0 | 23 14 | 1 9 | 16 30 | 1 21 | 17 35 | 0 21 | 9 37 | 2 19 | 9 55 | 0 45 | 21 56 | 1 17 | 6 47 | 17 11 | 23 14 | 23 14 | 23 13 | 16 39 | 2 57 |
| W21 | 23 19 | 22 31 | 0 45 | 17 37 | 3 58 | 23 5 | 1 11 | 16 18 | 1 21 | 17 36 | 0 21 | 9 38 | 2 19 | 9 54 | 0 45 | 21 56 | 1 17 | 6 47 | 17 10 | 23 14 | 23 14 | 23 13 | 16 39 | 2 57 |
| T 22 | 23 18 | 23 28 | 0s39 | 17 47 | 3 54 | 22 56 | 1 13 | 16 6 | 1 20 | 17 38 | 0 21 | 9 40 | 2 19 | 9 53 | 0 45 | 21 56 | 1 17 | 6 46 | 17 10 | 23 14 | 23 14 | 23 13 | 16 40 | 2 57 |
| F 23 | 23 17 | 22 40 | 2 0 | 17 58 | 3 50 | 22 47 | 1 14 | 15 55 | 1 20 | 17 39 | 0 21 | 9 41 | 2 20 | 9 52 | 0 45 | 21 56 | 1 17 | 6 46 | 17 9 | 23 14 | 23 14 | 23 12 | 16 40 | 2 57 |
| S 24 | 23 16 | 20 16 | 3 12 | 18 10 | 3 45 | 22 36 | 1 16 | 15 43 | 1 19 | 17 41 | 0 22 | 9 43 | 2 20 | 9 51 | 0 45 | 21 56 | 1 17 | 6 45 | 17 9 | 23 14 | 23 14 | 23 12 | 16 41 | 2 57 |
| S 25 | 23 14 | 16 34 | 4 10 | 18 23 | 3 39 | 22 25 | 1 18 | 15 31 | 1 19 | 17 42 | 0 22 | 9 44 | 2 20 | 9 51 | 0 45 | 21 56 | 1 17 | 6 45 | 17 8 | 23 14 | 23 14 | 23 12 | 16 41 | 2 58 |
| M26 | 23 12 | 11 59 | 4 51 | 18 36 | 3 33 | 22 14 | 1 19 | 15 19 | 1 18 | 17 43 | 0 22 | 9 46 | 2 20 | 9 50 | 0 45 | 21 56 | 1 17 | 6 45 | 17 8 | 23 14 | 23 14 | 23 12 | 16 42 | 2 58 |
| T 27 | 23 9 | 6 54 | 5 13 | 18 51 | 3 26 | 22 1 | 1 21 | 15 6 | 1 18 | 17 45 | 0 22 | 9 47 | 2 20 | 9 49 | 0 45 | 21 56 | 1 17 | 6 44 | 17 7 | 23 14 | 23 14 | 23 12 | 16 43 | 2 58 |
| W28 | 23 6 | 1 38 | 5 17 | 19 6 | 3 18 | 21 49 | 1 22 | 14 54 | 1 17 | 17 47 | 0 22 | 9 48 | 2 21 | 9 48 | 0 45 | 21 56 | 1 17 | 6 44 | 17 7 | 23 14 | 23 14 | 23 12 | 16 43 | 2 58 |
| T 29 | 23 3 | 3n34 | 5 4 | 19 21 | 3 10 | 21 35 | 1 24 | 14 42 | 1 17 | 17 48 | 0 22 | 9 50 | 2 21 | 9 47 | 0 45 | 21 56 | 1 17 | 6 43 | 17 6 | 23 14 | 23 15 | 23 12 | 16 44 | 2 58 |
| F 30 | 22n59 | 8n29 | 4s37 | 19n37 | 3s 1 | 21n21 | 1n25 | 14n29 | 1n16 | 17s50 | 0s23 | 9n51 | 2s21 | 9n46 | 0n45 | 21s56 | 1n17 | 6n43 | 17n 6 | 23n14 | 23n15 | 23n12 | 16n44 | 2s58 |

Julian Day Number = 2805616.5, Delta T = 51m36s
Ecliptic obliquity = 23°18'48, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°18'37, Lahiri = 37°25'37


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# ASTRODIENST EPHEMERIS for the year 2969
# geocentric

## JULY 2969 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 38 54 | 10♋21'00 | 16♉38 | 17♊41 | 1♌36 | 25♌ 6 | 10°R35 | 1♉56 | 6♍34 | 5°R 5 | 23°R51 | 4♋34 | 4♋14 | 20♋28 | 28♉10 | S 1 |
| S 2 | 18 42 51 | 11°18'22 | 28°54 | 18°58 | 2°49 | 25°42 | 10♒29 | 2° 0 | 6°36 | 5♏ 3 | 23♎51 | 4°34 | 4°10 | 20°35 | 28°13 | S 2 |
| M 3 | 18 46 47 | 12°15'44 | 10♊59 | 20°19 | 4° 2 | 26°19 | 10°23 | 2° 4 | 6°39 | 5° 2 | 23°D51 | 4°35 | 4° 7 | 20°41 | 28°17 | M 3 |
| T 4 | 18 50 44 | 13°13'05 | 22°55 | 21°42 | 5°15 | 26°55 | 10°17 | 2° 8 | 6°41 | 5° 0 | 23°51 | 4°36 | 4° 4 | 20°48 | 28°20 | T 4 |
| W 5 | 18 54 41 | 14°10'26 | 4♋46 | 23° 9 | 6°28 | 27°31 | 10°11 | 2°12 | 6°44 | 4°58 | 23°51 | 4°R36 | 4° 1 | 20°54 | 28°23 | W 5 |
| T 6 | 18 58 37 | 15° 7'46 | 16°34 | 24°39 | 7°41 | 28° 8 | 10° 5 | 2°16 | 6°46 | 4°57 | 23°51 | 4°36 | 3°58 | 21° 1 | 28°26 | T 6 |
| F 7 | 19 2 34 | 16° 5'06 | 28°22 | 26°12 | 8°54 | 28°44 | 9°58 | 2°19 | 6°49 | 4°55 | 23°51 | 4°35 | 3°55 | 21° 8 | 28°29 | F 7 |
| S 8 | 19 6 30 | 17° 2'25 | 10♌11 | 27°48 | 10° 7 | 29°20 | 9°52 | 2°23 | 6°52 | 4°54 | 23°51 | 4°33 | 3°51 | 21°14 | 28°31 | S 8 |
| S 9 | 19 10 27 | 17°59'44 | 22° 3 | 29°27 | 11°20 | 29°57 | 9°45 | 2°27 | 6°55 | 4°52 | 23°51 | 4°32 | 3°48 | 21°21 | 28°34 | S 9 |
| M10 | 19 14 23 | 18°57'02 | 4♍ 3 | 1♋ 9 | 12°33 | 0♍33 | 9°39 | 2°30 | 6°57 | 4°50 | 23°52 | 4°30 | 3°45 | 21°28 | 28°37 | M10 |
| T 11 | 19 18 20 | 19°54'19 | 16°11 | 2°55 | 13°46 | 1°10 | 9°32 | 2°33 | 7° 0 | 4°49 | 23°52 | 4°28 | 3°42 | 21°34 | 28°40 | T 11 |
| W12 | 19 22 17 | 20°51'36 | 28°33 | 4°43 | 14°59 | 1°46 | 9°25 | 2°37 | 7° 3 | 4°47 | 23°52 | 4°26 | 3°39 | 21°41 | 28°43 | W12 |
| T 13 | 19 26 13 | 21°48'53 | 11♎10 | 6°34 | 16°12 | 2°23 | 9°18 | 2°40 | 7° 6 | 4°46 | 23°52 | 4°25 | 3°35 | 21°48 | 28°45 | T 13 |
| F 14 | 19 30 10 | 22°46'09 | 24° 7 | 8°27 | 17°24 | 2°59 | 9°11 | 2°43 | 7° 9 | 4°44 | 23°53 | 4°D24 | 3°32 | 21°54 | 28°48 | F 14 |
| S 15 | 19 34 6 | 23°43'24 | 7♏26 | 10°24 | 18°37 | 3°36 | 9° 4 | 2°46 | 7°12 | 4°43 | 23°53 | 4°25 | 3°29 | 22° 1 | 28°51 | S 15 |
| S 16 | 19 38 3 | 24°40'39 | 21°10 | 12°23 | 19°50 | 4°13 | 8°57 | 2°49 | 7°15 | 4°41 | 23°53 | 4°26 | 3°26 | 22° 8 | 28°53 | S 16 |
| M17 | 19 41 59 | 25°37'54 | 5♐19 | 14°24 | 21° 3 | 4°49 | 8°49 | 2°52 | 7°18 | 4°40 | 23°54 | 4°27 | 3°23 | 22°14 | 28°56 | M17 |
| T 18 | 19 45 56 | 26°35'08 | 19°53 | 16°27 | 22°15 | 5°26 | 8°42 | 2°55 | 7°21 | 4°38 | 23°54 | 4°28 | 3°20 | 22°21 | 28°58 | T 18 |
| W19 | 19 49 52 | 27°32'22 | 4♑47 | 18°31 | 23°28 | 6° 2 | 8°35 | 2°57 | 7°24 | 4°37 | 23°55 | 4°R29 | 3°16 | 22°28 | 29° 1 | W19 |
| T 20 | 19 53 49 | 28°29'36 | 19°55 | 20°38 | 24°41 | 6°39 | 8°27 | 3° 0 | 7°27 | 4°35 | 23°55 | 4°28 | 3°13 | 22°34 | 29° 3 | T 20 |
| F 21 | 19 57 46 | 29°26'50 | 5♒ 9 | 22°46 | 25°53 | 7°16 | 8°20 | 3° 2 | 7°30 | 4°34 | 23°56 | 4°27 | 3°10 | 22°41 | 29° 6 | F 21 |
| S 22 | 20 1 42 | 0♌24'03 | 20°17 | 24°54 | 27° 6 | 7°53 | 8°12 | 3° 5 | 7°33 | 4°33 | 23°57 | 4°24 | 3° 7 | 22°48 | 29° 8 | S 22 |
| S 23 | 20 5 39 | 1°21'17 | 5♓12 | 27° 4 | 28°18 | 8°29 | 8° 5 | 3° 7 | 7°36 | 4°31 | 23°57 | 4°20 | 3° 4 | 22°54 | 29°10 | S 23 |
| M24 | 20 9 35 | 2°18'31 | 19°44 | 29°14 | 29°31 | 9° 6 | 7°57 | 3° 9 | 7°39 | 4°30 | 23°58 | 4°16 | 3° 1 | 23° 1 | 29°13 | M24 |
| T 25 | 20 13 32 | 3°15'45 | 3♈51 | 1♌24 | 0♍43 | 9°43 | 7°49 | 3°11 | 7°43 | 4°28 | 23°59 | 4°13 | 2°57 | 23° 8 | 29°15 | T 25 |
| W26 | 20 17 28 | 4°13'00 | 17°29 | 3°33 | 1°56 | 10°20 | 7°42 | 3°13 | 7°46 | 4°27 | 23°59 | 4°11 | 2°54 | 23°14 | 29°17 | W26 |
| T 27 | 20 21 25 | 5°10'15 | 0♉40 | 5°43 | 3° 8 | 10°57 | 7°34 | 3°15 | 7°49 | 4°26 | 24° 0 | 4°D10 | 2°51 | 23°21 | 29°19 | T 27 |
| F 28 | 20 25 21 | 6° 7'30 | 13°26 | 7°51 | 4°21 | 11°34 | 7°26 | 3°17 | 7°52 | 4°24 | 24° 1 | 4°10 | 2°48 | 23°27 | 29°21 | F 28 |
| S 29 | 20 29 18 | 7° 4'47 | 25°52 | 9°59 | 5°33 | 12°11 | 7°18 | 3°19 | 7°56 | 4°23 | 24° 2 | 4°11 | 2°45 | 23°34 | 29°23 | S 29 |
| S 30 | 20 33 15 | 8° 2'03 | 8♊ 2 | 12° 6 | 6°45 | 12°47 | 7°11 | 3°20 | 7°59 | 4°22 | 24° 3 | 4°13 | 2°41 | 23°41 | 29°25 | S 30 |
| M31 | 20 37 11 | 8♌59'20 | 20♊ 0 | 14♌12 | 7♍58 | 13♍24 | 7♒ 3 | 3♉22 | 8♍ 2 | 4♏20 | 24♎ 3 | 4♋14 | 2♋38 | 23♋47 | 29♉27 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n55 | 12n57 | 3s56 | 19n53 | 2s52 | 21n 6 | 1n26 | 14n17 | 1n16 | 17s51 | 0s23 | 9n52 | 2s21 | 9n45 | 0n45 | 21s57 | 1n17 | 6n43 | 17n 5 | 23n14 | 23n15 | 23n11 | 16n45 | 2s59 |
| S 2 | 22 50 | 16 47 | 3 6 | 20 10 | 2 42 | 20 51 | 1 28 | 14 4 | 1 16 | 17 53 | 0 23 | 9 53 | 2 22 | 9 44 | 0 45 | 21 57 | 1 17 | 6 42 | 17 4 | 23 14 | 23 15 | 23 11 | 16 45 | 2 59 |
| M 3 | 22 45 | 19 52 | 2 7 | 20 26 | 2 32 | 20 35 | 1 29 | 13 51 | 1 15 | 17 55 | 0 23 | 9 54 | 2 22 | 9 43 | 0 45 | 21 57 | 1 17 | 6 42 | 17 4 | 23 14 | 23 15 | 23 11 | 16 46 | 2 59 |
| T 4 | 22 40 | 22 3 | 1 4 | 20 42 | 2 22 | 20 19 | 1 30 | 13 39 | 1 15 | 17 57 | 0 23 | 9 56 | 2 22 | 9 42 | 0 45 | 21 57 | 1 16 | 6 41 | 17 3 | 23 14 | 23 15 | 23 11 | 16 46 | 2 59 |
| W 5 | 22 34 | 23 15 | 0n 1 | 20 58 | 2 11 | 20 2 | 1 31 | 13 26 | 1 14 | 17 59 | 0 23 | 9 57 | 2 22 | 9 41 | 0 45 | 21 57 | 1 16 | 6 41 | 17 3 | 23 14 | 23 15 | 23 11 | 16 47 | 2 59 |
| T 6 | 22 28 | 23 23 | 1 6 | 21 13 | 2 0 | 19 44 | 1 32 | 13 13 | 1 14 | 18 0 | 0 24 | 9 58 | 2 22 | 9 40 | 0 45 | 21 57 | 1 16 | 6 40 | 17 2 | 23 14 | 23 15 | 23 11 | 16 47 | 3 0 |
| F 7 | 22 21 | 22 28 | 2 8 | 21 27 | 1 48 | 19 26 | 1 33 | 13 0 | 1 13 | 18 2 | 0 24 | 9 59 | 2 23 | 9 39 | 0 45 | 21 57 | 1 16 | 6 40 | 17 2 | 23 14 | 23 15 | 23 10 | 16 47 | 3 0 |
| S 8 | 22 14 | 20 34 | 3 5 | 21 41 | 1 36 | 19 7 | 1 34 | 12 47 | 1 13 | 18 4 | 0 24 | 10 0 | 2 23 | 9 38 | 0 45 | 21 57 | 1 16 | 6 39 | 17 1 | 23 14 | 23 15 | 23 10 | 16 48 | 3 0 |
| S 9 | 22 7 | 17 46 | 3 54 | 21 54 | 1 25 | 18 48 | 1 35 | 12 34 | 1 12 | 18 6 | 0 24 | 10 1 | 2 23 | 9 37 | 0 45 | 21 57 | 1 16 | 6 38 | 17 1 | 23 14 | 23 16 | 23 10 | 16 48 | 3 0 |
| M10 | 21 59 | 14 13 | 4 33 | 22 6 | 1 13 | 18 29 | 1 35 | 12 20 | 1 12 | 18 8 | 0 24 | 10 2 | 2 23 | 9 36 | 0 45 | 21 57 | 1 16 | 6 38 | 17 0 | 23 14 | 23 16 | 23 10 | 16 49 | 3 0 |
| T 11 | 21 51 | 10 2 | 5 0 | 22 16 | 1 1 | 18 8 | 1 36 | 12 7 | 1 11 | 18 10 | 0 24 | 10 3 | 2 24 | 9 35 | 0 45 | 21 57 | 1 16 | 6 37 | 17 0 | 23 14 | 23 16 | 23 9 | 16 49 | 3 1 |
| W12 | 21 42 | 5 23 | 5 14 | 22 25 | 0 49 | 17 48 | 1 37 | 11 54 | 1 11 | 18 12 | 0 25 | 10 4 | 2 24 | 9 34 | 0 45 | 21 57 | 1 16 | 6 37 | 16 59 | 23 14 | 23 16 | 23 9 | 16 49 | 3 1 |
| T 13 | 21 33 | 0 26 | 5 14 | 22 33 | 0 36 | 17 27 | 1 37 | 11 40 | 1 10 | 18 14 | 0 25 | 10 4 | 2 24 | 9 33 | 0 45 | 21 57 | 1 16 | 6 36 | 16 59 | 23 14 | 23 16 | 23 9 | 16 50 | 3 1 |
| F 14 | 21 24 | 4s41 | 4 58 | 22 38 | 0 25 | 17 5 | 1 38 | 11 26 | 1 10 | 18 16 | 0 25 | 10 5 | 2 24 | 9 32 | 0 45 | 21 57 | 1 16 | 6 35 | 16 58 | 23 14 | 23 16 | 23 9 | 16 50 | 3 1 |
| S 15 | 21 15 | 9 44 | 4 25 | 22 42 | 0 13 | 16 43 | 1 38 | 11 13 | 1 9 | 18 18 | 0 25 | 10 6 | 2 25 | 9 31 | 0 45 | 21 58 | 1 16 | 6 35 | 16 58 | 23 14 | 23 16 | 23 9 | 16 51 | 3 2 |
| S 16 | 21 5 | 14 28 | 3 37 | 22 43 | 0 1 | 16 21 | 1 38 | 10 59 | 1 9 | 18 20 | 0 25 | 10 7 | 2 25 | 9 30 | 0 45 | 21 58 | 1 16 | 6 34 | 16 57 | 23 14 | 23 16 | 23 8 | 16 51 | 3 2 |
| M17 | 20 54 | 18 33 | 2 34 | 22 42 | 0n10 | 15 58 | 1 39 | 10 45 | 1 8 | 18 22 | 0 25 | 10 8 | 2 25 | 9 29 | 0 45 | 21 58 | 1 16 | 6 34 | 16 56 | 23 14 | 23 16 | 23 8 | 16 51 | 3 2 |
| T 18 | 20 44 | 21 36 | 1 20 | 22 39 | 0 21 | 15 35 | 1 39 | 10 32 | 1 8 | 18 24 | 0 25 | 10 8 | 2 25 | 9 28 | 0 45 | 21 58 | 1 16 | 6 33 | 16 56 | 23 14 | 23 16 | 23 8 | 16 52 | 3 2 |
| W19 | 20 33 | 23 15 | 0s 2 | 22 33 | 0 31 | 15 11 | 1 39 | 10 18 | 1 7 | 18 26 | 0 26 | 10 9 | 2 26 | 9 26 | 0 45 | 21 58 | 1 16 | 6 32 | 16 55 | 23 14 | 23 16 | 23 8 | 16 52 | 3 2 |
| T 20 | 20 21 | 23 14 | 1 24 | 22 25 | 0 41 | 14 47 | 1 39 | 10 4 | 1 7 | 18 28 | 0 26 | 10 10 | 2 26 | 9 25 | 0 45 | 21 58 | 1 16 | 6 31 | 16 55 | 23 14 | 23 16 | 23 7 | 16 52 | 3 3 |
| F 21 | 20 10 | 21 29 | 2 41 | 22 14 | 0 51 | 14 22 | 1 39 | 9 50 | 1 6 | 18 30 | 0 26 | 10 10 | 2 26 | 9 24 | 0 45 | 21 58 | 1 16 | 6 31 | 16 54 | 23 14 | 23 17 | 23 7 | 16 52 | 3 3 |
| S 22 | 19 58 | 18 13 | 3 46 | 22 1 | 0 59 | 13 58 | 1 39 | 9 36 | 1 6 | 18 32 | 0 26 | 10 11 | 2 26 | 9 23 | 0 45 | 21 58 | 1 16 | 6 30 | 16 54 | 23 14 | 23 17 | 23 7 | 16 53 | 3 3 |
| S 23 | 19 45 | 13 49 | 4 34 | 21 44 | 1 8 | 13 32 | 1 38 | 9 21 | 1 6 | 18 34 | 0 26 | 10 11 | 2 27 | 9 22 | 0 44 | 21 58 | 1 16 | 6 29 | 16 53 | 23 15 | 23 17 | 23 6 | 16 53 | 3 3 |
| M24 | 19 32 | 8 42 | 5 4 | 21 26 | 1 15 | 13 7 | 1 38 | 9 7 | 1 5 | 18 37 | 0 26 | 10 12 | 2 27 | 9 21 | 0 44 | 21 58 | 1 16 | 6 29 | 16 53 | 23 15 | 23 17 | 23 6 | 16 53 | 3 4 |
| T 25 | 19 19 | 3 17 | 5 14 | 21 4 | 1 22 | 12 41 | 1 38 | 8 53 | 1 5 | 18 39 | 0 27 | 10 12 | 2 27 | 9 19 | 0 44 | 21 58 | 1 16 | 6 28 | 16 52 | 23 15 | 23 17 | 23 6 | 16 53 | 3 4 |
| W26 | 19 6 | 2n 7 | 5 5 | 20 41 | 1 28 | 12 15 | 1 37 | 8 39 | 1 4 | 18 41 | 0 27 | 10 13 | 2 27 | 9 18 | 0 44 | 21 58 | 1 16 | 6 27 | 16 52 | 23 15 | 23 17 | 23 5 | 16 54 | 3 4 |
| T 27 | 18 53 | 7 15 | 4 41 | 20 14 | 1 33 | 11 48 | 1 37 | 8 24 | 1 4 | 18 43 | 0 27 | 10 13 | 2 28 | 9 17 | 0 44 | 21 58 | 1 16 | 6 26 | 16 51 | 23 15 | 23 17 | 23 5 | 16 54 | 3 4 |
| F 28 | 18 39 | 11 55 | 4 3 | 19 46 | 1 37 | 11 22 | 1 36 | 8 10 | 1 3 | 18 45 | 0 27 | 10 13 | 2 28 | 9 16 | 0 44 | 21 59 | 1 16 | 6 26 | 16 51 | 23 15 | 23 17 | 23 5 | 16 54 | 3 5 |
| S 29 | 18 24 | 15 58 | 3 15 | 19 16 | 1 41 | 10 54 | 1 35 | 7 55 | 1 3 | 18 47 | 0 27 | 10 14 | 2 28 | 9 14 | 0 44 | 21 59 | 1 16 | 6 25 | 16 50 | 23 15 | 23 17 | 23 5 | 16 54 | 3 5 |
| S 30 | 18 10 | 19 15 | 2 19 | 18 44 | 1 43 | 10 27 | 1 35 | 7 41 | 1 2 | 18 49 | 0 27 | 10 14 | 2 29 | 9 13 | 0 44 | 21 59 | 1 16 | 6 24 | 16 50 | 23 15 | 23 17 | 23 4 | 16 54 | 3 5 |
| M31 | 17n55 | 21n39 | 1s17 | 18n10 | 1n45 | 10n 0 | 1n34 | 7n26 | 1n 2 | 18s51 | 0s27 | 10n14 | 2s29 | 9n12 | 0n44 | 21s59 | 1n16 | 6n23 | 16n49 | 23n15 | 23n17 | 23n 4 | 16n55 | 3s 5 |

Julian Day Number = 2805646.5, Delta T = 51m37s
Ecliptic obliquity = 23°18'48, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°18'41, Lahiri = 37°25'41


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# ASTRODIENST EPHEMERIS for the year 2969
# geocentric

## AUGUST 2969 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 41 8 | 9♌56'38 | 1♋50 | 16♌16 | 9♍10 | 14♍ 1 | 6°R55 | 3♉23 | 8♍ 6 | 4°R19 | 24♎ 4 | 4°R15 | 2♋35 | 23♋54 | 29♉29 | T 1 |
| W 2 | 20 45 4 | 10°53'56 | 13°38 | 18°19 | 10°22 | 14°39 | 6♒47 | 3°25 | 8° 9 | 4♑18 | 24° 5 | 4♋15 | 2°32 | 24° 1 | 29°31 | W 2 |
| T 3 | 20 49 1 | 11°51'15 | 25°25 | 20°20 | 11°34 | 15°16 | 6°40 | 3°26 | 8°13 | 4°17 | 24° 6 | 4°12 | 2°29 | 24° 7 | 29°32 | T 3 |
| F 4 | 20 52 57 | 12°48'34 | 7♌14 | 22°20 | 12°46 | 15°53 | 6°32 | 3°27 | 8°16 | 4°16 | 24° 7 | 4° 9 | 2°26 | 24°14 | 29°34 | F 4 |
| S 5 | 20 56 54 | 13°45'54 | 19° 8 | 24°18 | 13°59 | 16°30 | 6°24 | 3°28 | 8°20 | 4°14 | 24° 8 | 4° 3 | 2°22 | 24°21 | 29°36 | S 5 |
| S 6 | 21 0 50 | 14°43'14 | 1♍ 9 | 26°14 | 15°11 | 17° 7 | 6°17 | 3°29 | 8°23 | 4°13 | 24° 9 | 3°56 | 2°19 | 24°27 | 29°37 | S 6 |
| M 7 | 21 4 47 | 15°40'34 | 13°17 | 28° 8 | 16°23 | 17°44 | 6° 9 | 3°30 | 8°27 | 4°12 | 24°11 | 3°49 | 2°16 | 24°34 | 29°39 | M 7 |
| T 8 | 21 8 44 | 16°37'55 | 25°36 | 0♍ 1 | 17°35 | 18°21 | 6° 2 | 3°30 | 8°30 | 4°11 | 24°12 | 3°41 | 2°13 | 24°41 | 29°40 | T 8 |
| W 9 | 21 12 40 | 17°35'16 | 8♎ 5 | 1°52 | 18°47 | 18°59 | 5°54 | 3°31 | 8°34 | 4°10 | 24°13 | 3°35 | 2°10 | 24°47 | 29°42 | W 9 |
| T 10 | 21 16 37 | 18°32'37 | 20°48 | 3°42 | 19°59 | 19°36 | 5°47 | 3°31 | 8°37 | 4° 9 | 24°14 | 3°30 | 2° 7 | 24°54 | 29°43 | T 10 |
| F 11 | 21 20 33 | 19°29'59 | 3♏47 | 5°29 | 21°11 | 20°13 | 5°40 | 3°32 | 8°41 | 4° 8 | 24°15 | 3°27 | 2° 3 | 25° 1 | 29°44 | F 11 |
| S 12 | 21 24 30 | 20°27'21 | 17° 3 | 7°15 | 22°22 | 20°50 | 5°32 | 3°32 | 8°44 | 4° 7 | 24°17 | 3°D25 | 2° 0 | 25° 7 | 29°46 | S 12 |
| S 13 | 21 28 26 | 21°24'44 | 0♐39 | 8°59 | 23°34 | 21°28 | 5°25 | 3°32 | 8°48 | 4° 6 | 24°18 | 3°26 | 1°57 | 25°14 | 29°47 | S 13 |
| M14 | 21 32 23 | 22°22'07 | 14°37 | 10°42 | 24°46 | 22° 5 | 5°18 | 3°R32 | 8°52 | 4° 5 | 24°19 | 3°27 | 1°54 | 25°21 | 29°48 | M14 |
| T 15 | 21 36 19 | 23°19'31 | 28°56 | 12°23 | 25°58 | 22°43 | 5°11 | 3°32 | 8°55 | 4° 4 | 24°21 | 3°R27 | 1°51 | 25°27 | 29°49 | T 15 |
| W16 | 21 40 16 | 24°16'55 | 13♑35 | 14° 2 | 27° 9 | 23°20 | 5° 4 | 3°32 | 8°59 | 4° 3 | 24°22 | 3°27 | 1°47 | 25°34 | 29°50 | W16 |
| T 17 | 21 44 13 | 25°14'20 | 28°30 | 15°39 | 28°21 | 23°57 | 4°57 | 3°32 | 9° 3 | 4° 2 | 24°23 | 3°25 | 1°44 | 25°41 | 29°51 | T 17 |
| F 18 | 21 48 9 | 26°11'45 | 13♒33 | 17°15 | 29°33 | 24°35 | 4°50 | 3°32 | 9° 6 | 4° 1 | 24°25 | 3°20 | 1°41 | 25°47 | 29°52 | F 18 |
| S 19 | 21 52 6 | 27° 9'11 | 28°37 | 18°49 | 0♎44 | 25°12 | 4°44 | 3°31 | 9°10 | 4° 1 | 24°26 | 3°14 | 1°38 | 25°54 | 29°53 | S 19 |
| S 20 | 21 56 2 | 28° 6'38 | 13♓31 | 20°21 | 1°56 | 25°50 | 4°37 | 3°31 | 9°14 | 4° 0 | 24°28 | 3° 6 | 1°35 | 26° 1 | 29°54 | S 20 |
| M21 | 21 59 59 | 29° 4'06 | 28° 7 | 21°52 | 3° 7 | 26°28 | 4°31 | 3°30 | 9°17 | 3°59 | 24°29 | 2°58 | 1°32 | 26° 7 | 29°55 | M21 |
| T 22 | 22 3 55 | 0♍ 1'35 | 12♈19 | 23°20 | 4°19 | 27° 5 | 4°24 | 3°29 | 9°21 | 3°58 | 24°31 | 2°50 | 1°28 | 26°14 | 29°55 | T 22 |
| W23 | 22 7 52 | 0°59'05 | 26° 3 | 24°47 | 5°30 | 27°43 | 4°18 | 3°28 | 9°25 | 3°58 | 24°32 | 2°43 | 1°25 | 26°21 | 29°56 | W23 |
| T 24 | 22 11 48 | 1°56'36 | 9♉18 | 26°13 | 6°41 | 28°20 | 4°12 | 3°27 | 9°28 | 3°57 | 24°34 | 2°39 | 1°22 | 26°27 | 29°57 | T 24 |
| F 25 | 22 15 45 | 2°54'09 | 22° 7 | 27°37 | 7°52 | 28°58 | 4° 6 | 3°26 | 9°32 | 3°56 | 24°35 | 2°36 | 1°19 | 26°34 | 29°57 | F 25 |
| S 26 | 22 19 42 | 3°51'43 | 4♊33 | 28°58 | 9° 4 | 29°36 | 4° 0 | 3°25 | 9°36 | 3°56 | 24°37 | 2°D36 | 1°16 | 26°41 | 29°58 | S 26 |
| S 27 | 22 23 38 | 4°49'19 | 16°42 | 0♎18 | 10°15 | 0♎14 | 3°55 | 3°24 | 9°40 | 3°55 | 24°39 | 2°36 | 1°12 | 26°47 | 29°58 | S 27 |
| M28 | 22 27 35 | 5°46'55 | 28°38 | 1°37 | 11°26 | 0°51 | 3°49 | 3°23 | 9°43 | 3°54 | 24°40 | 2°R37 | 1° 9 | 26°54 | 29°59 | M28 |
| T 29 | 22 31 31 | 6°44'34 | 10♋27 | 2°53 | 12°37 | 1°29 | 3°44 | 3°21 | 9°47 | 3°54 | 24°42 | 2°36 | 1° 6 | 27° 0 | 29°59 | T 29 |
| W30 | 22 35 28 | 7°42'13 | 22°14 | 4° 7 | 13°48 | 2° 7 | 3°39 | 3°20 | 9°51 | 3°53 | 24°44 | 2°34 | 1° 3 | 27° 7 | 29°59 | W30 |
| T 31 | 22 39 24 | 8♍39'54 | 4♌ 3 | 5♎19 | 14♎59 | 2♎45 | 3♒33 | 3♉18 | 9♍54 | 3♑53 | 24♎46 | 2♋30 | 1♋ 0 | 27♋14 | 29♉59 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n40 | 23n 5 | 0s13 | 17n35 | 1n47 | 9n32 | 1n33 | 7n12 | 1n 1 | 18s53 | 0s27 | 10n14 | 2s29 | 9n11 | 0n44 | 21s59 | 1n16 | 6n23 | 16n49 | 23n15 | 23n17 | 23n 4 | 16n55 | 3s 6 |
| W 2 | 17 24 | 23 28 | 0n51 | 16 58 | 1 47 | 9 4 | 1 32 | 6 57 | 1 1 | 18 55 | 0 28 | 10 15 | 2 29 | 9 9 | 0 44 | 21 59 | 1 16 | 6 22 | 16 48 | 23 15 | 23 17 | 23 3 | 16 55 | 3 6 |
| T 3 | 17 9 | 22 48 | 1 53 | 16 20 | 1 47 | 8 35 | 1 31 | 6 42 | 1 0 | 18 57 | 0 28 | 10 15 | 2 30 | 9 8 | 0 44 | 21 59 | 1 16 | 6 21 | 16 48 | 23 15 | 23 17 | 23 3 | 16 55 | 3 6 |
| F 4 | 16 53 | 21 6 | 2 50 | 15 40 | 1 46 | 8 7 | 1 30 | 6 28 | 1 0 | 18 59 | 0 28 | 10 15 | 2 30 | 9 7 | 0 44 | 21 59 | 1 16 | 6 20 | 16 47 | 23 15 | 23 17 | 23 2 | 16 55 | 3 6 |
| S 5 | 16 36 | 18 29 | 3 40 | 15 0 | 1 45 | 7 38 | 1 28 | 6 13 | 0 59 | 19 1 | 0 28 | 10 15 | 2 30 | 9 5 | 0 44 | 21 59 | 1 16 | 6 19 | 16 47 | 23 15 | 23 18 | 23 2 | 16 55 | 3 7 |
| S 6 | 16 20 | 15 4 | 4 20 | 14 19 | 1 43 | 7 9 | 1 27 | 5 58 | 0 59 | 19 3 | 0 28 | 10 15 | 2 30 | 9 4 | 0 44 | 21 59 | 1 16 | 6 18 | 16 46 | 23 15 | 23 18 | 23 2 | 16 55 | 3 7 |
| M 7 | 16 3 | 10 59 | 4 50 | 13 38 | 1 40 | 6 40 | 1 26 | 5 43 | 0 58 | 19 5 | 0 28 | 10 15 | 2 31 | 9 3 | 0 44 | 21 59 | 1 16 | 6 18 | 16 46 | 23 16 | 23 18 | 23 1 | 16 55 | 3 7 |
| T 8 | 15 46 | 6 25 | 5 6 | 12 55 | 1 37 | 6 11 | 1 24 | 5 28 | 0 58 | 19 7 | 0 28 | 10 15 | 2 31 | 9 1 | 0 44 | 21 59 | 1 16 | 6 17 | 16 45 | 23 16 | 23 18 | 23 1 | 16 55 | 3 7 |
| W 9 | 15 29 | 1 32 | 5 8 | 12 12 | 1 33 | 5 41 | 1 23 | 5 13 | 0 57 | 19 9 | 0 28 | 10 15 | 2 31 | 9 0 | 0 44 | 21 59 | 1 16 | 6 16 | 16 45 | 23 16 | 23 18 | 23 1 | 16 55 | 3 8 |
| T 10 | 15 11 | 3s31 | 4 55 | 11 29 | 1 29 | 5 12 | 1 21 | 4 58 | 0 57 | 19 11 | 0 28 | 10 15 | 2 31 | 8 59 | 0 44 | 21 59 | 1 16 | 6 15 | 16 44 | 23 16 | 23 18 | 23 0 | 16 55 | 3 8 |
| F 11 | 14 54 | 8 31 | 4 27 | 10 45 | 1 24 | 4 42 | 1 19 | 4 43 | 0 56 | 19 13 | 0 29 | 10 15 | 2 32 | 8 57 | 0 44 | 22 0 | 1 15 | 6 14 | 16 44 | 23 16 | 23 18 | 23 0 | 16 55 | 3 8 |
| S 12 | 14 36 | 13 15 | 3 44 | 10 1 | 1 19 | 4 12 | 1 18 | 4 28 | 0 56 | 19 15 | 0 29 | 10 15 | 2 32 | 8 56 | 0 44 | 22 0 | 1 15 | 6 13 | 16 43 | 23 16 | 23 18 | 22 59 | 16 56 | 3 8 |
| S 13 | 14 17 | 17 27 | 2 48 | 9 17 | 1 13 | 3 42 | 1 16 | 4 13 | 0 55 | 19 17 | 0 29 | 10 14 | 2 32 | 8 55 | 0 44 | 22 0 | 1 15 | 6 12 | 16 43 | 23 16 | 23 18 | 22 59 | 16 56 | 3 9 |
| M14 | 13 59 | 20 47 | 1 40 | 8 33 | 1 7 | 3 12 | 1 14 | 3 58 | 0 55 | 19 19 | 0 29 | 10 14 | 2 33 | 8 53 | 0 44 | 22 0 | 1 15 | 6 12 | 16 42 | 23 16 | 23 18 | 22 58 | 16 55 | 3 9 |
| T 15 | 13 40 | 22 54 | 0 24 | 7 49 | 1 1 | 2 42 | 1 12 | 3 43 | 0 54 | 19 20 | 0 29 | 10 14 | 2 33 | 8 52 | 0 44 | 22 0 | 1 15 | 6 11 | 16 42 | 23 16 | 23 18 | 22 58 | 16 55 | 3 9 |
| W16 | 13 22 | 23 32 | 0s54 | 7 5 | 0 54 | 2 12 | 1 10 | 3 28 | 0 54 | 19 22 | 0 29 | 10 14 | 2 33 | 8 51 | 0 44 | 22 0 | 1 15 | 6 10 | 16 41 | 23 16 | 23 18 | 22 58 | 16 55 | 3 9 |
| T 17 | 13 2 | 22 29 | 2 11 | 6 21 | 0 47 | 1 41 | 1 8 | 3 12 | 0 53 | 19 24 | 0 29 | 10 13 | 2 33 | 8 49 | 0 44 | 22 0 | 1 15 | 6 9 | 16 41 | 23 16 | 23 18 | 22 57 | 16 55 | 3 10 |
| F 18 | 12 43 | 19 50 | 3 18 | 5 37 | 0 39 | 1 11 | 1 5 | 2 57 | 0 53 | 19 26 | 0 29 | 10 13 | 2 34 | 8 48 | 0 44 | 22 0 | 1 15 | 6 8 | 16 40 | 23 16 | 23 18 | 22 57 | 16 55 | 3 10 |
| S 19 | 12 24 | 15 50 | 4 12 | 4 53 | 0 32 | 0 40 | 1 3 | 2 42 | 0 52 | 19 27 | 0 29 | 10 13 | 2 34 | 8 46 | 0 44 | 22 0 | 1 15 | 6 7 | 16 40 | 23 16 | 23 18 | 22 56 | 16 55 | 3 10 |
| S 20 | 12 4 | 10 53 | 4 48 | 4 10 | 0 24 | 0 10 | 1 1 | 2 27 | 0 52 | 19 29 | 0 29 | 10 12 | 2 34 | 8 45 | 0 44 | 22 0 | 1 15 | 6 6 | 16 40 | 23 17 | 23 18 | 22 56 | 16 55 | 3 10 |
| M21 | 11 44 | 5 24 | 5 5 | 3 27 | 0 15 | 0s20 | 0 58 | 2 11 | 0 51 | 19 31 | 0 30 | 10 12 | 2 34 | 8 44 | 0 44 | 22 0 | 1 15 | 6 5 | 16 39 | 23 17 | 23 18 | 22 55 | 16 55 | 3 11 |
| T 22 | 11 24 | 0n13 | 5 2 | 2 44 | 0 7 | 0 51 | 0 56 | 1 56 | 0 51 | 19 32 | 0 30 | 10 11 | 2 35 | 8 42 | 0 44 | 22 0 | 1 15 | 6 4 | 16 39 | 23 17 | 23 18 | 22 55 | 16 55 | 3 11 |
| W23 | 11 4 | 5 38 | 4 41 | 2 2 | 0s 2 | 1 21 | 0 53 | 1 41 | 0 50 | 19 34 | 0 30 | 10 11 | 2 35 | 8 41 | 0 44 | 22 0 | 1 15 | 6 3 | 16 38 | 23 17 | 23 18 | 22 54 | 16 55 | 3 11 |
| T 24 | 10 44 | 10 38 | 4 6 | 1 20 | 0 11 | 1 52 | 0 51 | 1 25 | 0 50 | 19 35 | 0 30 | 10 10 | 2 35 | 8 40 | 0 44 | 22 0 | 1 15 | 6 2 | 16 38 | 23 17 | 23 18 | 22 54 | 16 55 | 3 12 |
| F 25 | 10 23 | 14 59 | 3 19 | 0 38 | 0 20 | 2 22 | 0 48 | 1 10 | 0 49 | 19 37 | 0 30 | 10 9 | 2 35 | 8 38 | 0 44 | 22 0 | 1 15 | 6 1 | 16 38 | 23 17 | 23 18 | 22 53 | 16 54 | 3 12 |
| S 26 | 10 2 | 18 34 | 2 24 | 0s 3 | 0 29 | 2 53 | 0 45 | 0 54 | 0 49 | 19 38 | 0 30 | 10 9 | 2 36 | 8 37 | 0 44 | 22 1 | 1 15 | 6 1 | 16 37 | 23 17 | 23 18 | 22 53 | 16 54 | 3 12 |
| S 27 | 9 42 | 21 15 | 1 24 | 0 43 | 0 39 | 3 23 | 0 42 | 0 39 | 0 48 | 19 40 | 0 30 | 10 8 | 2 36 | 8 35 | 0 44 | 22 1 | 1 15 | 6 0 | 16 37 | 23 17 | 23 18 | 22 52 | 16 54 | 3 12 |
| M28 | 9 21 | 22 57 | 0 21 | 1 23 | 0 48 | 3 54 | 0 40 | 0 24 | 0 48 | 19 41 | 0 30 | 10 7 | 2 36 | 8 34 | 0 44 | 22 1 | 1 15 | 5 59 | 16 36 | 23 17 | 23 19 | 22 52 | 16 54 | 3 13 |
| T 29 | 8 59 | 23 36 | 0n42 | 2 2 | 0 58 | 4 24 | 0 37 | 0 8 | 0 47 | 19 42 | 0 30 | 10 7 | 2 36 | 8 32 | 0 44 | 22 1 | 1 15 | 5 58 | 16 36 | 23 17 | 23 19 | 22 51 | 16 54 | 3 13 |
| W30 | 8 38 | 23 11 | 1 43 | 2 40 | 1 8 | 4 54 | 0 34 | 0s 7 | 0 47 | 19 44 | 0 30 | 10 6 | 2 37 | 8 31 | 0 44 | 22 1 | 1 15 | 5 57 | 16 36 | 23 17 | 23 19 | 22 51 | 16 54 | 3 13 |
| T 31 | 8n17 | 21n43 | 2n39 | 3s18 | 1s18 | 5s24 | 0n31 | 0s23 | 0n46 | 19s45 | 0s30 | 10n 5 | 2s37 | 8n30 | 0n44 | 22s 1 | 1n15 | 5n56 | 16n35 | 23n17 | 23n19 | 22n50 | 16n53 | 3s13 |

Julian Day Number = 2805677.5, Delta T = 51m37s
Ecliptic obliquity = 23°18'49, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°18'45, Lahiri = 37°25'46


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# ASTRODIENST EPHEMERIS for the year 2969
# geocentric

## SEPTEMBER 2969 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 22 43 21 | 9♍37'36 | 15♌57 | 6♎29 | 16♎10 | 3♎23 | 3°R28 | 3°R16 | 9♍58 | 3°R53 | 24♎47 | 2°R23 | 0♋57 | 27♋20 | 29♉59 | F 1 |
| S 2 | 22 47 17 | 10°35'20 | 27°59 | 7°37 | 17°21 | 4° 1 | 3♒24 | 3♉14 | 10° 2 | 3♏52 | 24°49 | 2♋14 | 0°53 | 27°27 | 29°59 | S 2 |
| S 3 | 22 51 14 | 11°33'05 | 10♍11 | 8°43 | 18°32 | 4°39 | 3°19 | 3°12 | 10° 6 | 3°52 | 24°51 | 2° 2 | 0°50 | 27°34 | 29°R59 | S 3 |
| M 4 | 22 55 11 | 12°30'51 | 22°33 | 9°46 | 19°42 | 5°17 | 3°15 | 3°10 | 10° 9 | 3°51 | 24°53 | 1°50 | 0°47 | 27°40 | 29°59 | M 4 |
| T 5 | 22 59 7 | 13°28'38 | 5♎ 7 | 10°47 | 20°53 | 5°55 | 3°10 | 3° 8 | 10°13 | 3°51 | 24°55 | 1°38 | 0°44 | 27°47 | 29°59 | T 5 |
| W 6 | 23 3 4 | 14°26'26 | 17°52 | 11°45 | 22° 4 | 6°33 | 3° 6 | 3° 6 | 10°17 | 3°51 | 24°56 | 1°27 | 0°41 | 27°54 | 29°59 | W 6 |
| T 7 | 23 7 0 | 15°24'16 | 0♏49 | 12°40 | 23°14 | 7°11 | 3° 2 | 3° 4 | 10°21 | 3°50 | 24°58 | 1°18 | 0°38 | 28° 0 | 29°59 | T 7 |
| F 8 | 23 10 57 | 16°22'07 | 13°58 | 13°33 | 24°25 | 7°49 | 2°58 | 3° 1 | 10°24 | 3°50 | 25° 0 | 1°12 | 0°34 | 28° 7 | 29°59 | F 8 |
| S 9 | 23 14 53 | 17°19'59 | 27°20 | 14°22 | 25°35 | 8°27 | 2°55 | 2°59 | 10°28 | 3°50 | 25° 2 | 1° 8 | 0°31 | 28°14 | 29°58 | S 9 |
| S 10 | 23 18 50 | 18°17'53 | 10♐56 | 15° 8 | 26°46 | 9° 5 | 2°51 | 2°56 | 10°32 | 3°50 | 25° 4 | 1° 7 | 0°28 | 28°20 | 29°58 | S 10 |
| M11 | 23 22 46 | 19°15'47 | 24°47 | 15°51 | 27°56 | 9°44 | 2°48 | 2°54 | 10°36 | 3°50 | 25° 6 | 1° 7 | 0°25 | 28°27 | 29°58 | M11 |
| T 12 | 23 26 43 | 20°13'43 | 8♑53 | 16°29 | 29° 6 | 10°22 | 2°45 | 2°51 | 10°39 | 3°50 | 25° 8 | 1° 7 | 0°22 | 28°34 | 29°57 | T 12 |
| W13 | 23 30 39 | 21°11'40 | 23°15 | 17° 4 | 0♏16 | 11° 0 | 2°42 | 2°48 | 10°43 | 3°50 | 25°10 | 1° 5 | 0°18 | 28°40 | 29°57 | W13 |
| T 14 | 23 34 36 | 22° 9'38 | 7♒49 | 17°35 | 1°26 | 11°39 | 2°39 | 2°45 | 10°47 | 3°D50 | 25°12 | 1° 2 | 0°15 | 28°47 | 29°56 | T 14 |
| F 15 | 23 38 33 | 23° 7'37 | 22°32 | 18° 1 | 2°36 | 12°17 | 2°37 | 2°42 | 10°50 | 3°50 | 25°14 | 0°55 | 0°12 | 28°54 | 29°55 | F 15 |
| S 16 | 23 42 29 | 24° 5'38 | 7♓17 | 18°23 | 3°46 | 12°55 | 2°34 | 2°39 | 10°54 | 3°50 | 25°16 | 0°47 | 0° 9 | 29° 0 | 29°55 | S 16 |
| S 17 | 23 46 26 | 25° 3'40 | 21°56 | 18°39 | 4°56 | 13°34 | 2°32 | 2°36 | 10°58 | 3°50 | 25°18 | 0°36 | 0° 6 | 29° 7 | 29°54 | S 17 |
| M18 | 23 50 22 | 26° 1'44 | 6♈22 | 18°50 | 6° 6 | 14°12 | 2°30 | 2°33 | 11° 1 | 3°50 | 25°20 | 0°24 | 0° 3 | 29°14 | 29°53 | M18 |
| T 19 | 23 54 19 | 26°59'49 | 20°27 | 18°R56 | 7°16 | 14°51 | 2°28 | 2°29 | 11° 5 | 3°50 | 25°23 | 0°13 | 29♊59 | 29°20 | 29°52 | T 19 |
| W20 | 23 58 15 | 27°57'56 | 4♉ 9 | 18°55 | 8°25 | 15°29 | 2°27 | 2°26 | 11° 9 | 3°50 | 25°25 | 0° 3 | 29°56 | 29°27 | 29°51 | W20 |
| T 21 | 0 2 12 | 28°56'05 | 17°24 | 18°49 | 9°35 | 16° 8 | 2°25 | 2°23 | 11°12 | 3°50 | 25°27 | 29♊56 | 29°53 | 29°34 | 29°50 | T 21 |
| F 22 | 0 6 8 | 29°54'16 | 0♊14 | 18°36 | 10°44 | 16°46 | 2°24 | 2°19 | 11°16 | 3°50 | 25°29 | 29°52 | 29°50 | 29°40 | 29°49 | F 22 |
| S 23 | 0 10 5 | 0♎52'29 | 12°42 | 18°17 | 11°54 | 17°25 | 2°23 | 2°15 | 11°19 | 3°51 | 25°31 | 29°49 | 29°47 | 29°47 | 29°48 | S 23 |
| S 24 | 0 14 2 | 1°50'43 | 24°52 | 17°51 | 13° 3 | 18° 4 | 2°22 | 2°12 | 11°23 | 3°51 | 25°33 | 29°49 | 29°44 | 29°54 | 29°47 | S 24 |
| M25 | 0 17 58 | 2°49'00 | 6♋50 | 17°19 | 14°12 | 18°42 | 2°21 | 2° 8 | 11°27 | 3°51 | 25°36 | 29°49 | 29°40 | 0♌ 0 | 29°45 | M25 |
| T 26 | 0 21 55 | 3°47'19 | 18°40 | 16°41 | 15°21 | 19°21 | 2°21 | 2° 4 | 11°30 | 3°52 | 25°38 | 29°48 | 29°37 | 0° 7 | 29°44 | T 26 |
| W27 | 0 25 51 | 4°45'40 | 0♌28 | 15°56 | 16°30 | 20° 0 | 2°21 | 2° 0 | 11°34 | 3°52 | 25°40 | 29°46 | 29°34 | 0°14 | 29°43 | W27 |
| T 28 | 0 29 48 | 5°44'03 | 12°20 | 15° 6 | 17°39 | 20°39 | 2°D20 | 1°56 | 11°37 | 3°53 | 25°42 | 29°42 | 29°31 | 0°20 | 29°41 | T 28 |
| F 29 | 0 33 44 | 6°42'27 | 24°19 | 14°12 | 18°48 | 21°18 | 2°21 | 1°52 | 11°41 | 3°53 | 25°44 | 29°34 | 29°28 | 0°27 | 29°40 | F 29 |
| S 30 | 0 37 41 | 7♎40'54 | 6♍28 | 13♎13 | 19♏57 | 21♎56 | 2♒21 | 1♉48 | 11♍44 | 3♏53 | 25♎47 | 29♊25 | 29♊24 | 0♌34 | 29♉38 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7n55 | 19n18 | 3n29 | 3s54 | 1s28 | 5s54 | 0n27 | 0s38 | 0n46 | 19s46 | 0s30 | 10n 4 | 2s37 | 8n28 | 0n44 | 22s 1 | 1n15 | 5n55 | 16n35 | 23n18 | 23n19 | 22n50 | 16n53 | 3s14 |
| S 2 | 7 33 | 16 1 | 4 10 | 4 30 | 1 38 | 6 24 | 0 24 | 0 53 | 0 45 | 19 47 | 0 30 | 10 4 | 2 37 | 8 27 | 0 44 | 22 1 | 1 15 | 5 54 | 16 35 | 23 18 | 23 19 | 22 49 | 16 53 | 3 14 |
| S 3 | 7 12 | 12 2 | 4 40 | 5 5 | 1 48 | 6 54 | 0 21 | 1 9 | 0 45 | 19 48 | 0 30 | 10 3 | 2 38 | 8 25 | 0 44 | 22 1 | 1 15 | 5 53 | 16 34 | 23 18 | 23 19 | 22 49 | 16 53 | 3 14 |
| M 4 | 6 50 | 7 30 | 4 58 | 5 39 | 1 58 | 7 24 | 0 18 | 1 24 | 0 44 | 19 49 | 0 30 | 10 2 | 2 38 | 8 24 | 0 44 | 22 1 | 1 14 | 5 52 | 16 34 | 23 18 | 23 19 | 22 48 | 16 52 | 3 15 |
| T 5 | 6 28 | 2 35 | 5 1 | 6 12 | 2 8 | 7 53 | 0 14 | 1 40 | 0 44 | 19 50 | 0 31 | 10 1 | 2 38 | 8 23 | 0 44 | 22 1 | 1 14 | 5 51 | 16 33 | 23 18 | 23 19 | 22 48 | 16 52 | 3 15 |
| W 6 | 6 6 | 2s31 | 4 49 | 6 44 | 2 18 | 8 23 | 0 11 | 1 55 | 0 43 | 19 52 | 0 31 | 10 0 | 2 38 | 8 21 | 0 44 | 22 1 | 1 14 | 5 50 | 16 33 | 23 18 | 23 19 | 22 47 | 16 52 | 3 15 |
| T 7 | 5 43 | 7 35 | 4 23 | 7 15 | 2 27 | 8 52 | 0 8 | 2 11 | 0 43 | 19 52 | 0 31 | 9 59 | 2 39 | 8 20 | 0 44 | 22 1 | 1 14 | 5 49 | 16 33 | 23 18 | 23 19 | 22 47 | 16 51 | 3 15 |
| F 8 | 5 21 | 12 24 | 3 42 | 7 44 | 2 37 | 9 21 | 0 4 | 2 26 | 0 42 | 19 53 | 0 31 | 9 58 | 2 39 | 8 18 | 0 44 | 22 1 | 1 14 | 5 48 | 16 33 | 23 19 | 23 19 | 22 46 | 16 51 | 3 16 |
| S 9 | 4 59 | 16 43 | 2 49 | 8 12 | 2 47 | 9 50 | 0 1 | 2 42 | 0 42 | 19 54 | 0 31 | 9 57 | 2 39 | 8 17 | 0 44 | 22 1 | 1 14 | 5 47 | 16 32 | 23 19 | 23 19 | 22 45 | 16 51 | 3 16 |
| S 10 | 4 36 | 20 14 | 1 45 | 8 38 | 2 56 | 10 19 | 0s 3 | 2 57 | 0 41 | 19 55 | 0 31 | 9 56 | 2 39 | 8 16 | 0 44 | 22 1 | 1 14 | 5 46 | 16 32 | 23 19 | 23 19 | 22 45 | 16 50 | 3 16 |
| M11 | 4 14 | 22 39 | 0 34 | 9 3 | 3 5 | 10 47 | 0 7 | 3 12 | 0 41 | 19 56 | 0 31 | 9 55 | 2 39 | 8 14 | 0 44 | 22 1 | 1 14 | 5 45 | 16 32 | 23 19 | 23 19 | 22 44 | 16 50 | 3 16 |
| T 12 | 3 51 | 23 42 | 0s41 | 9 26 | 3 14 | 11 15 | 0 10 | 3 28 | 0 40 | 19 57 | 0 31 | 9 54 | 2 40 | 8 13 | 0 44 | 22 1 | 1 14 | 5 44 | 16 31 | 23 19 | 23 19 | 22 44 | 16 50 | 3 17 |
| W13 | 3 28 | 23 12 | 1 54 | 9 48 | 3 23 | 11 44 | 0 14 | 3 43 | 0 40 | 19 57 | 0 31 | 9 52 | 2 40 | 8 11 | 0 44 | 22 2 | 1 14 | 5 43 | 16 31 | 23 19 | 23 19 | 22 43 | 16 49 | 3 17 |
| T 14 | 3 6 | 21 8 | 3 1 | 10 7 | 3 31 | 12 11 | 0 18 | 3 59 | 0 39 | 19 58 | 0 31 | 9 51 | 2 40 | 8 10 | 0 44 | 22 2 | 1 14 | 5 42 | 16 31 | 23 19 | 23 19 | 22 42 | 16 49 | 3 17 |
| F 15 | 2 43 | 17 39 | 3 56 | 10 24 | 3 39 | 12 39 | 0 21 | 4 14 | 0 39 | 19 59 | 0 31 | 9 50 | 2 40 | 8 9 | 0 44 | 22 2 | 1 14 | 5 41 | 16 30 | 23 19 | 23 19 | 22 42 | 16 48 | 3 18 |
| S 16 | 2 20 | 13 4 | 4 36 | 10 39 | 3 46 | 13 6 | 0 25 | 4 29 | 0 38 | 19 59 | 0 31 | 9 49 | 2 40 | 8 7 | 0 44 | 22 2 | 1 14 | 5 41 | 16 30 | 23 19 | 23 19 | 22 41 | 16 48 | 3 18 |
| S 17 | 1 57 | 7 44 | 4 57 | 10 52 | 3 53 | 13 33 | 0 29 | 4 45 | 0 38 | 20 0 | 0 31 | 9 48 | 2 41 | 8 6 | 0 44 | 22 2 | 1 14 | 5 40 | 16 30 | 23 19 | 23 19 | 22 40 | 16 48 | 3 18 |
| M18 | 1 34 | 2 4 | 4 59 | 11 2 | 3 59 | 14 0 | 0 33 | 5 0 | 0 37 | 20 0 | 0 31 | 9 46 | 2 41 | 8 5 | 0 44 | 22 2 | 1 14 | 5 39 | 16 30 | 23 19 | 23 19 | 22 40 | 16 47 | 3 18 |
| T 19 | 1 11 | 3n35 | 4 42 | 11 9 | 4 4 | 14 27 | 0 37 | 5 15 | 0 37 | 20 1 | 0 31 | 9 45 | 2 41 | 8 3 | 0 44 | 22 2 | 1 14 | 5 38 | 16 30 | 23 19 | 23 19 | 22 39 | 16 47 | 3 19 |
| W20 | 0 48 | 8 55 | 4 10 | 11 13 | 4 9 | 14 53 | 0 41 | 5 30 | 0 36 | 20 1 | 0 31 | 9 44 | 2 41 | 8 2 | 0 44 | 22 2 | 1 14 | 5 37 | 16 29 | 23 19 | 23 19 | 22 39 | 16 46 | 3 19 |
| T 21 | 0 25 | 13 40 | 3 24 | 11 14 | 4 12 | 15 19 | 0 44 | 5 46 | 0 36 | 20 1 | 0 31 | 9 42 | 2 41 | 8 1 | 0 44 | 22 2 | 1 14 | 5 36 | 16 29 | 23 19 | 23 19 | 22 38 | 16 46 | 3 19 |
| F 22 | 0 2 | 17 39 | 2 30 | 11 11 | 4 15 | 15 44 | 0 48 | 6 1 | 0 35 | 20 2 | 0 31 | 9 41 | 2 42 | 7 59 | 0 44 | 22 2 | 1 14 | 5 35 | 16 29 | 23 19 | 23 19 | 22 37 | 16 45 | 3 19 |
| S 23 | 0s21 | 20 43 | 1 29 | 11 4 | 4 16 | 16 9 | 0 52 | 6 16 | 0 35 | 20 2 | 0 31 | 9 40 | 2 42 | 7 58 | 0 44 | 22 2 | 1 14 | 5 34 | 16 29 | 23 19 | 23 19 | 22 37 | 16 45 | 3 20 |
| S 24 | 0 44 | 22 47 | 0 26 | 10 54 | 4 15 | 16 34 | 0 56 | 6 31 | 0 34 | 20 2 | 0 31 | 9 38 | 2 42 | 7 56 | 0 44 | 22 2 | 1 14 | 5 33 | 16 28 | 23 19 | 23 19 | 22 36 | 16 44 | 3 20 |
| M25 | 1 7 | 23 45 | 0n37 | 10 40 | 4 14 | 16 59 | 1 0 | 6 46 | 0 34 | 20 2 | 0 31 | 9 37 | 2 42 | 7 55 | 0 44 | 22 2 | 1 13 | 5 32 | 16 28 | 23 19 | 23 19 | 22 35 | 16 44 | 3 20 |
| T 26 | 1 30 | 23 38 | 1 38 | 10 22 | 4 10 | 17 23 | 1 4 | 7 1 | 0 33 | 20 2 | 0 31 | 9 35 | 2 42 | 7 54 | 0 44 | 22 2 | 1 13 | 5 31 | 16 28 | 23 19 | 23 19 | 22 35 | 16 43 | 3 20 |
| W27 | 1 53 | 22 28 | 2 35 | 10 0 | 4 5 | 17 47 | 1 8 | 7 16 | 0 33 | 20 3 | 0 31 | 9 34 | 2 42 | 7 52 | 0 44 | 22 2 | 1 13 | 5 30 | 16 28 | 23 19 | 23 19 | 22 34 | 16 43 | 3 21 |
| T 28 | 2 16 | 20 17 | 3 25 | 9 35 | 3 58 | 18 10 | 1 12 | 7 32 | 0 32 | 20 3 | 0 31 | 9 32 | 2 42 | 7 51 | 0 44 | 22 2 | 1 13 | 5 29 | 16 28 | 23 19 | 23 19 | 22 33 | 16 42 | 3 21 |
| F 29 | 2 39 | 17 13 | 4 6 | 9 5 | 3 49 | 18 33 | 1 16 | 7 46 | 0 32 | 20 3 | 0 31 | 9 31 | 2 43 | 7 50 | 0 44 | 22 2 | 1 13 | 5 28 | 16 28 | 23 19 | 23 19 | 22 32 | 16 42 | 3 21 |
| S 30 | 3s 2 | 13n23 | 4n37 | 8s32 | 3s38 | 18s55 | 1s20 | 8s 1 | 0n31 | 20s 3 | 0s31 | 9n30 | 2s43 | 7n49 | 0n44 | 22s 2 | 1n13 | 5n27 | 16n27 | 23n19 | 23n19 | 22n32 | 16n41 | 3s21 |

Julian Day Number = 2805708.5, Delta T = 51m38s
Ecliptic obliquity = 23°18'49, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°18'49, Lahiri = 37°25'50


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# ASTRODIENST EPHEMERIS for the year 2969
# geocentric

## OCTOBER 2969 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 41 37 | 8♎39'23 | 18♍52 | 12°R12 | 21♏ 6 | 22♎35 | 2♒21 | 1°R44 | 11♍48 | 3♑54 | 25♎49 | 29°R13 | 29♊21 | 0♌40 | 29°R37 | S 1 |
| M 2 | 0 45 34 | 9°37'53 | 1♎29 | 11♎ 9 | 22°14 | 23°14 | 2°22 | 1♉40 | 11°51 | 3°55 | 25°51 | 29♊ 0 | 29°18 | 0°47 | 29♉35 | M 2 |
| T 3 | 0 49 31 | 10°36'26 | 14°21 | 10° 6 | 23°23 | 23°53 | 2°23 | 1°36 | 11°54 | 3°55 | 25°53 | 28°47 | 29°15 | 0°54 | 29°34 | T 3 |
| W 4 | 0 53 27 | 11°35'00 | 27°27 | 9° 4 | 24°31 | 24°32 | 2°24 | 1°32 | 11°58 | 3°56 | 25°56 | 28°35 | 29°12 | 1° 0 | 29°32 | W 4 |
| T 5 | 0 57 24 | 12°33'36 | 10♏45 | 8° 6 | 25°40 | 25°11 | 2°25 | 1°27 | 12° 1 | 3°56 | 25°58 | 28°26 | 29° 9 | 1° 7 | 29°30 | T 5 |
| F 6 | 1 1 20 | 13°32'14 | 24°14 | 7°11 | 26°48 | 25°51 | 2°27 | 1°23 | 12° 5 | 3°57 | 26° 0 | 28°19 | 29° 5 | 1°14 | 29°28 | F 6 |
| S 7 | 1 5 17 | 14°30'53 | 7♐52 | 6°23 | 27°56 | 26°30 | 2°28 | 1°19 | 12° 8 | 3°58 | 26° 3 | 28°15 | 29° 2 | 1°20 | 29°26 | S 7 |
| S 8 | 1 9 13 | 15°29'35 | 21°39 | 5°42 | 29° 4 | 27° 9 | 2°30 | 1°14 | 12°11 | 3°59 | 26° 5 | 28°14 | 28°59 | 1°27 | 29°25 | S 8 |
| M 9 | 1 13 10 | 16°28'18 | 5♑34 | 5° 9 | 0♐12 | 27°48 | 2°32 | 1°10 | 12°14 | 3°59 | 26° 7 | 28°D14 | 28°56 | 1°34 | 29°23 | M 9 |
| T 10 | 1 17 6 | 17°27'02 | 19°37 | 4°45 | 1°20 | 28°27 | 2°34 | 1° 5 | 12°18 | 4° 0 | 26°10 | 28°R14 | 28°53 | 1°40 | 29°21 | T 10 |
| W11 | 1 21 3 | 18°25'48 | 3♒46 | 4°31 | 2°27 | 29° 7 | 2°37 | 1° 1 | 12°21 | 4° 1 | 26°12 | 28°13 | 28°49 | 1°47 | 29°19 | W11 |
| T 12 | 1 25 0 | 19°24'36 | 18° 2 | 4°D27 | 3°35 | 29°46 | 2°39 | 0°56 | 12°24 | 4° 2 | 26°14 | 28°10 | 28°46 | 1°54 | 29°16 | T 12 |
| F 13 | 1 28 56 | 20°23'25 | 2♓22 | 4°33 | 4°42 | 0♏25 | 2°42 | 0°52 | 12°27 | 4° 3 | 26°17 | 28° 5 | 28°43 | 2° 0 | 29°14 | F 13 |
| S 14 | 1 32 53 | 21°22'16 | 16°40 | 4°49 | 5°49 | 1° 5 | 2°45 | 0°47 | 12°30 | 4° 4 | 26°19 | 27°57 | 28°40 | 2° 7 | 29°12 | S 14 |
| S 15 | 1 36 49 | 22°21'09 | 0♈54 | 5°15 | 6°56 | 1°44 | 2°48 | 0°42 | 12°33 | 4° 5 | 26°21 | 27°47 | 28°37 | 2°14 | 29°10 | S 15 |
| M16 | 1 40 46 | 23°20'03 | 14°57 | 5°51 | 8° 3 | 2°24 | 2°52 | 0°38 | 12°36 | 4° 6 | 26°24 | 27°36 | 28°34 | 2°20 | 29° 8 | M16 |
| T 17 | 1 44 42 | 24°19'00 | 28°45 | 6°35 | 9°10 | 3° 3 | 2°55 | 0°33 | 12°40 | 4° 7 | 26°26 | 27°26 | 28°30 | 2°27 | 29° 5 | T 17 |
| W18 | 1 48 39 | 25°17'58 | 12♉14 | 7°27 | 10°16 | 3°43 | 2°59 | 0°28 | 12°43 | 4° 8 | 26°28 | 27°17 | 28°27 | 2°34 | 29° 3 | W18 |
| T 19 | 1 52 35 | 26°16'59 | 25°21 | 8°28 | 11°23 | 4°22 | 3° 3 | 0°24 | 12°46 | 4° 9 | 26°31 | 27°11 | 28°24 | 2°40 | 29° 1 | T 19 |
| F 20 | 1 56 32 | 27°16'02 | 8♊ 7 | 9°35 | 12°29 | 5° 2 | 3° 7 | 0°19 | 12°48 | 4°10 | 26°33 | 27° 7 | 28°21 | 2°47 | 28°58 | F 20 |
| S 21 | 2 0 28 | 28°15'07 | 20°34 | 10°48 | 13°35 | 5°42 | 3°11 | 0°14 | 12°51 | 4°11 | 26°35 | 27° 5 | 28°18 | 2°54 | 28°56 | S 21 |
| S 22 | 2 4 25 | 29°14'14 | 2♋44 | 12° 6 | 14°41 | 6°21 | 3°15 | 0°10 | 12°54 | 4°12 | 26°38 | 27°D 5 | 28°15 | 3° 0 | 28°53 | S 22 |
| M23 | 2 8 22 | 0♏13'23 | 14°42 | 13°30 | 15°47 | 7° 1 | 3°20 | 0° 5 | 12°57 | 4°13 | 26°40 | 27° 5 | 28°11 | 3° 7 | 28°51 | M23 |
| T 24 | 2 12 18 | 1°12'35 | 26°33 | 14°57 | 16°53 | 7°41 | 3°25 | 0° 0 | 13° 0 | 4°15 | 26°42 | 27°R 6 | 28° 8 | 3°14 | 28°48 | T 24 |
| W25 | 2 16 15 | 2°11'49 | 8♌23 | 16°28 | 17°58 | 8°21 | 3°30 | 29♈55 | 13° 3 | 4°16 | 26°45 | 27° 6 | 28° 5 | 3°20 | 28°46 | W25 |
| T 26 | 2 20 11 | 3°11'05 | 20°16 | 18° 2 | 19° 3 | 9° 1 | 3°35 | 29°51 | 13° 5 | 4°17 | 26°47 | 27° 4 | 28° 2 | 3°27 | 28°43 | T 26 |
| F 27 | 2 24 8 | 4°10'23 | 2♍17 | 19°38 | 20° 8 | 9°41 | 3°40 | 29°46 | 13° 8 | 4°19 | 26°49 | 27° 1 | 27°59 | 3°34 | 28°41 | F 27 |
| S 28 | 2 28 4 | 5° 9'44 | 14°31 | 21°16 | 21°13 | 10°21 | 3°46 | 29°41 | 13°11 | 4°20 | 26°52 | 26°55 | 27°55 | 3°40 | 28°38 | S 28 |
| S 29 | 2 32 1 | 6° 9'07 | 27° 2 | 22°55 | 22°18 | 11° 1 | 3°51 | 29°37 | 13°13 | 4°21 | 26°54 | 26°47 | 27°52 | 3°47 | 28°35 | S 29 |
| M30 | 2 35 57 | 7° 8'32 | 9♎51 | 24°36 | 23°22 | 11°41 | 3°57 | 29°32 | 13°16 | 4°23 | 26°56 | 26°38 | 27°49 | 3°54 | 28°32 | M30 |
| T 31 | 2 39 54 | 8♏ 7'58 | 22♎59 | 26♎17 | 24♐26 | 12♏21 | 4♒ 3 | 29♈27 | 13♍18 | 4♑24 | 26♎59 | 26♊29 | 27♊46 | 4♌ 0 | 28♉30 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3s25 | 8n55 | 4n56 | 7s57 | 3s25 | 19s18 | 1s24 | 8s16 | 0n31 | 20s 2 | 0s31 | 9n28 | 2s43 | 7n47 | 0n44 | 22s 2 | 1n13 | 5n27 | 16n27 | 23n19 | 23n19 | 22n31 | 16n41 | 3s22 |
| M 2 | 3 48 | 4 0 | 5 0 | 7 19 | 3 11 | 19 39 | 1 28 | 8 31 | 0 30 | 20 2 | 0 31 | 9 26 | 2 43 | 7 46 | 0 44 | 22 2 | 1 13 | 5 26 | 16 27 | 23 19 | 23 19 | 22 30 | 16 40 | 3 22 |
| T 3 | 4 11 | 1s10 | 4 50 | 6 39 | 2 55 | 20 1 | 1 32 | 8 46 | 0 29 | 20 2 | 0 31 | 9 25 | 2 43 | 7 45 | 0 44 | 22 2 | 1 13 | 5 25 | 16 27 | 23 18 | 23 19 | 22 30 | 16 39 | 3 22 |
| W 4 | 4 33 | 6 24 | 4 24 | 5 59 | 2 37 | 20 21 | 1 36 | 9 1 | 0 29 | 20 2 | 0 31 | 9 23 | 2 43 | 7 43 | 0 44 | 22 2 | 1 13 | 5 24 | 16 27 | 23 18 | 23 19 | 22 29 | 16 39 | 3 22 |
| T 5 | 4 56 | 11 26 | 3 43 | 5 19 | 2 19 | 20 42 | 1 40 | 9 15 | 0 28 | 20 2 | 0 31 | 9 22 | 2 43 | 7 42 | 0 44 | 22 2 | 1 13 | 5 23 | 16 27 | 23 18 | 23 19 | 22 28 | 16 38 | 3 23 |
| F 6 | 5 19 | 15 59 | 2 50 | 4 40 | 1 59 | 21 2 | 1 44 | 9 30 | 0 28 | 20 1 | 0 31 | 9 20 | 2 43 | 7 41 | 0 45 | 22 2 | 1 13 | 5 22 | 16 27 | 23 18 | 23 19 | 22 27 | 16 38 | 3 23 |
| S 7 | 5 42 | 19 46 | 1 46 | 4 2 | 1 39 | 21 21 | 1 48 | 9 45 | 0 27 | 20 1 | 0 31 | 9 19 | 2 43 | 7 40 | 0 45 | 22 2 | 1 13 | 5 21 | 16 27 | 23 18 | 23 19 | 22 27 | 16 37 | 3 23 |
| S 8 | 6 4 | 22 28 | 0 35 | 3 27 | 1 19 | 21 40 | 1 52 | 9 59 | 0 27 | 20 1 | 0 31 | 9 17 | 2 44 | 7 38 | 0 45 | 22 2 | 1 13 | 5 20 | 16 27 | 23 18 | 23 19 | 22 26 | 16 36 | 3 23 |
| M 9 | 6 27 | 23 51 | 0s39 | 2 56 | 0 59 | 21 58 | 1 56 | 10 14 | 0 26 | 20 0 | 0 32 | 9 15 | 2 44 | 7 37 | 0 45 | 22 2 | 1 13 | 5 19 | 16 26 | 23 18 | 23 19 | 22 25 | 16 36 | 3 24 |
| T 10 | 6 49 | 23 43 | 1 51 | 2 28 | 0 39 | 22 16 | 2 0 | 10 28 | 0 26 | 20 0 | 0 32 | 9 14 | 2 44 | 7 36 | 0 45 | 22 3 | 1 13 | 5 19 | 16 26 | 23 18 | 23 19 | 22 24 | 16 35 | 3 24 |
| W11 | 7 11 | 22 4 | 2 57 | 2 5 | 0 20 | 22 34 | 2 3 | 10 42 | 0 25 | 19 59 | 0 32 | 9 12 | 2 44 | 7 35 | 0 45 | 22 3 | 1 13 | 5 18 | 16 26 | 23 18 | 23 19 | 22 24 | 16 35 | 3 24 |
| T 12 | 7 33 | 19 2 | 3 52 | 1 47 | 0 1 | 22 50 | 2 7 | 10 57 | 0 25 | 19 58 | 0 32 | 9 11 | 2 44 | 7 34 | 0 45 | 22 3 | 1 13 | 5 17 | 16 26 | 23 18 | 23 18 | 22 23 | 16 34 | 3 24 |
| F 13 | 7 56 | 14 50 | 4 33 | 1 33 | 0n16 | 23 7 | 2 11 | 11 11 | 0 24 | 19 58 | 0 32 | 9 9 | 2 44 | 7 32 | 0 45 | 22 3 | 1 13 | 5 16 | 16 26 | 23 18 | 23 18 | 22 22 | 16 33 | 3 24 |
| S 14 | 8 18 | 9 48 | 4 57 | 1 25 | 0 32 | 23 22 | 2 15 | 11 25 | 0 24 | 19 57 | 0 32 | 9 7 | 2 44 | 7 31 | 0 45 | 22 3 | 1 13 | 5 15 | 16 26 | 23 18 | 23 18 | 22 21 | 16 33 | 3 25 |
| S 15 | 8 39 | 4 16 | 5 2 | 1 22 | 0 46 | 23 38 | 2 18 | 11 39 | 0 23 | 19 56 | 0 32 | 9 6 | 2 44 | 7 30 | 0 45 | 22 3 | 1 13 | 5 14 | 16 26 | 23 18 | 23 18 | 22 20 | 16 32 | 3 25 |
| M16 | 9 1 | 1n24 | 4 49 | 1 24 | 1 0 | 23 52 | 2 22 | 11 53 | 0 23 | 19 56 | 0 32 | 9 4 | 2 44 | 7 29 | 0 45 | 22 3 | 1 12 | 5 14 | 16 26 | 23 18 | 23 18 | 22 20 | 16 31 | 3 25 |
| T 17 | 9 23 | 6 56 | 4 19 | 1 30 | 1 12 | 24 6 | 2 26 | 12 7 | 0 22 | 19 55 | 0 32 | 9 2 | 2 44 | 7 28 | 0 45 | 22 3 | 1 12 | 5 13 | 16 26 | 23 17 | 23 18 | 22 19 | 16 30 | 3 25 |
| W18 | 9 44 | 12 0 | 3 36 | 1 41 | 1 22 | 24 20 | 2 29 | 12 21 | 0 21 | 19 54 | 0 32 | 9 1 | 2 44 | 7 27 | 0 45 | 22 3 | 1 12 | 5 12 | 16 26 | 23 17 | 23 18 | 22 18 | 16 30 | 3 25 |
| T 19 | 10 6 | 16 24 | 2 41 | 1 57 | 1 31 | 24 33 | 2 33 | 12 35 | 0 21 | 19 53 | 0 32 | 8 59 | 2 44 | 7 26 | 0 45 | 22 3 | 1 12 | 5 11 | 16 26 | 23 17 | 23 18 | 22 17 | 16 29 | 3 26 |
| F 20 | 10 27 | 19 54 | 1 40 | 2 16 | 1 39 | 24 45 | 2 36 | 12 49 | 0 20 | 19 52 | 0 32 | 8 57 | 2 44 | 7 25 | 0 45 | 22 3 | 1 12 | 5 10 | 16 26 | 23 17 | 23 18 | 22 16 | 16 28 | 3 26 |
| S 21 | 10 48 | 22 24 | 0 35 | 2 39 | 1 45 | 24 57 | 2 40 | 13 2 | 0 20 | 19 51 | 0 32 | 8 56 | 2 44 | 7 23 | 0 45 | 22 3 | 1 12 | 5 10 | 16 26 | 23 17 | 23 18 | 22 15 | 16 28 | 3 26 |
| S 22 | 11 9 | 23 47 | 0n30 | 3 4 | 1 50 | 25 8 | 2 43 | 13 16 | 0 19 | 19 50 | 0 32 | 8 54 | 2 44 | 7 22 | 0 45 | 22 3 | 1 12 | 5 9 | 16 26 | 23 17 | 23 18 | 22 15 | 16 27 | 3 26 |
| M23 | 11 29 | 24 3 | 1 33 | 3 33 | 1 54 | 25 19 | 2 46 | 13 29 | 0 19 | 19 49 | 0 32 | 8 53 | 2 44 | 7 21 | 0 45 | 22 3 | 1 12 | 5 8 | 16 26 | 23 17 | 23 18 | 22 14 | 16 26 | 3 26 |
| T 24 | 11 50 | 23 13 | 2 31 | 4 4 | 1 56 | 25 29 | 2 49 | 13 43 | 0 18 | 19 48 | 0 32 | 8 51 | 2 44 | 7 20 | 0 45 | 22 3 | 1 12 | 5 7 | 16 26 | 23 17 | 23 18 | 22 13 | 16 26 | 3 27 |
| W25 | 12 10 | 21 21 | 3 23 | 4 37 | 1 58 | 25 38 | 2 52 | 13 56 | 0 18 | 19 47 | 0 32 | 8 49 | 2 44 | 7 19 | 0 45 | 22 3 | 1 12 | 5 7 | 16 26 | 23 17 | 23 18 | 22 12 | 16 25 | 3 27 |
| T 26 | 12 31 | 18 33 | 4 6 | 5 12 | 1 59 | 25 47 | 2 55 | 14 9 | 0 17 | 19 46 | 0 32 | 8 48 | 2 44 | 7 18 | 0 45 | 22 3 | 1 12 | 5 6 | 16 27 | 23 17 | 23 18 | 22 11 | 16 24 | 3 27 |
| F 27 | 12 51 | 14 57 | 4 39 | 5 48 | 1 59 | 25 55 | 2 58 | 14 23 | 0 17 | 19 45 | 0 32 | 8 46 | 2 44 | 7 17 | 0 45 | 22 3 | 1 12 | 5 5 | 16 27 | 23 17 | 23 18 | 22 10 | 16 23 | 3 27 |
| S 28 | 13 10 | 10 40 | 5 0 | 6 26 | 1 58 | 26 2 | 3 1 | 14 36 | 0 16 | 19 43 | 0 32 | 8 44 | 2 44 | 7 16 | 0 45 | 22 3 | 1 12 | 5 5 | 16 27 | 23 17 | 23 18 | 22 9 | 16 23 | 3 27 |
| S 29 | 13 30 | 5 52 | 5 7 | 7 4 | 1 56 | 26 9 | 3 4 | 14 49 | 0 15 | 19 42 | 0 32 | 8 43 | 2 44 | 7 15 | 0 45 | 22 3 | 1 12 | 5 4 | 16 27 | 23 16 | 23 18 | 22 9 | 16 22 | 3 28 |
| M30 | 13 50 | 0 42 | 4 59 | 7 43 | 1 53 | 26 16 | 3 7 | 15 1 | 0 15 | 19 41 | 0 32 | 8 41 | 2 44 | 7 14 | 0 45 | 22 3 | 1 12 | 5 3 | 16 27 | 23 16 | 23 18 | 22 8 | 16 21 | 3 28 |
| T 31 | 14s 9 | 4s37 | 4n35 | 8s23 | 1n50 | 26s21 | 3s 9 | 15s14 | 0n14 | 19s39 | 0s32 | 8n40 | 2s44 | 7n13 | 0n45 | 22s 3 | 1n12 | 5n 3 | 16n27 | 23n16 | 23n18 | 22n 7 | 16n20 | 3s28 |

Julian Day Number = 2805738.5, Delta T = 51m38s
Ecliptic obliquity = 23°18'50, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°18'54, Lahiri = 37°25'54


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# ASTRODIENST EPHEMERIS for the year 2969
# geocentric

## NOVEMBER 2969 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 2 43 51 | 9♏ 7'28 | 6♏24 | 27♎59 | 25♐30 | 13♏ 1 | 4♒ 9 | 29°R23 | 13♍21 | 4♑26 | 27♎ 1 | 26°R21 | 27♊43 | 4♌ 7 | 28°R27 | W 1 |
| T 2 | 2 47 47 | 10° 6'59 | 20° 6 | 29°42 | 26°34 | 13°41 | 4°15 | 29♈18 | 13°23 | 4°27 | 27° 3 | 26♊15 | 27°40 | 4°14 | 28♉24 | T 2 |
| F 3 | 2 51 44 | 11° 6'32 | 4♐ 1 | 1♏24 | 27°37 | 14°21 | 4°22 | 29°14 | 13°26 | 4°29 | 27° 6 | 26°11 | 27°36 | 4°20 | 28°21 | F 3 |
| S 4 | 2 55 40 | 12° 6'07 | 18° 4 | 3° 7 | 28°41 | 15° 2 | 4°28 | 29° 9 | 13°28 | 4°30 | 27° 8 | 26° 9 | 27°33 | 4°27 | 28°18 | S 4 |
| S 5 | 2 59 37 | 13° 5'44 | 2♑13 | 4°50 | 29°44 | 15°42 | 4°35 | 29° 4 | 13°31 | 4°32 | 27°10 | 26°D 8 | 27°30 | 4°34 | 28°16 | S 5 |
| M 6 | 3 3 33 | 14° 5'22 | 16°25 | 6°32 | 0♑46 | 16°22 | 4°42 | 29° 0 | 13°33 | 4°33 | 27°13 | 26° 9 | 27°27 | 4°40 | 28°13 | M 6 |
| T 7 | 3 7 30 | 15° 5'02 | 0♒37 | 8°15 | 1°49 | 17° 3 | 4°49 | 28°56 | 13°35 | 4°35 | 27°15 | 26°11 | 27°24 | 4°47 | 28°10 | T 7 |
| W 8 | 3 11 26 | 16° 4'44 | 14°47 | 9°57 | 2°51 | 17°43 | 4°56 | 28°51 | 13°37 | 4°36 | 27°17 | 26°R12 | 27°21 | 4°54 | 28° 7 | W 8 |
| T 9 | 3 15 23 | 17° 4'28 | 28°53 | 11°38 | 3°53 | 18°24 | 5° 3 | 28°47 | 13°39 | 4°38 | 27°19 | 26°11 | 27°17 | 5° 0 | 28° 4 | T 9 |
| F 10 | 3 19 20 | 18° 4'12 | 12♓55 | 13°19 | 4°54 | 19° 4 | 5°11 | 28°42 | 13°42 | 4°40 | 27°22 | 26° 9 | 27°14 | 5° 7 | 28° 1 | F 10 |
| S 11 | 3 23 16 | 19° 3'59 | 26°50 | 15° 0 | 5°55 | 19°45 | 5°19 | 28°38 | 13°44 | 4°41 | 27°24 | 26° 5 | 27°11 | 5°14 | 27°58 | S 11 |
| S 12 | 3 27 13 | 20° 3'47 | 10♈37 | 16°40 | 6°56 | 20°25 | 5°26 | 28°34 | 13°46 | 4°43 | 27°26 | 25°59 | 27° 8 | 5°20 | 27°55 | S 12 |
| M13 | 3 31 9 | 21° 3'37 | 24°13 | 18°20 | 7°57 | 21° 6 | 5°34 | 28°30 | 13°48 | 4°45 | 27°28 | 25°53 | 27° 5 | 5°27 | 27°52 | M13 |
| T 14 | 3 35 6 | 22° 3'29 | 7♉35 | 19°59 | 8°57 | 21°47 | 5°42 | 28°26 | 13°49 | 4°47 | 27°30 | 25°48 | 27° 1 | 5°34 | 27°49 | T 14 |
| W15 | 3 39 2 | 23° 3'22 | 20°42 | 21°38 | 9°57 | 22°27 | 5°50 | 28°22 | 13°51 | 4°48 | 27°33 | 25°43 | 26°58 | 5°40 | 27°46 | W15 |
| T 16 | 3 42 59 | 24° 3'18 | 3♊33 | 23°17 | 10°56 | 23° 8 | 5°59 | 28°18 | 13°53 | 4°50 | 27°35 | 25°39 | 26°55 | 5°47 | 27°43 | T 16 |
| F 17 | 3 46 55 | 25° 3'15 | 16° 9 | 24°55 | 11°55 | 23°49 | 6° 7 | 28°14 | 13°55 | 4°52 | 27°37 | 25°38 | 26°52 | 5°54 | 27°40 | F 17 |
| S 18 | 3 50 52 | 26° 3'14 | 28°29 | 26°32 | 12°53 | 24°30 | 6°16 | 28°10 | 13°57 | 4°54 | 27°39 | 25°D37 | 26°49 | 6° 0 | 27°37 | S 18 |
| S 19 | 3 54 49 | 27° 3'16 | 10♋36 | 28° 9 | 13°51 | 25°11 | 6°25 | 28° 6 | 13°58 | 4°56 | 27°41 | 25°38 | 26°46 | 6° 7 | 27°34 | S 19 |
| M20 | 3 58 45 | 28° 3'19 | 22°33 | 29°46 | 14°49 | 25°52 | 6°34 | 28° 2 | 14° 0 | 4°58 | 27°43 | 25°40 | 26°42 | 6°14 | 27°31 | M20 |
| T 21 | 4 2 42 | 29° 3'24 | 4♌24 | 1♐22 | 15°46 | 26°33 | 6°43 | 27°58 | 14° 2 | 5° 0 | 27°45 | 25°41 | 26°39 | 6°21 | 27°28 | T 21 |
| W22 | 4 6 38 | 0♐ 3'31 | 16°13 | 2°58 | 16°43 | 27°14 | 6°52 | 27°55 | 14° 3 | 5° 2 | 27°47 | 25°43 | 26°36 | 6°27 | 27°25 | W22 |
| T 23 | 4 10 35 | 1° 3'40 | 28° 6 | 4°33 | 17°39 | 27°55 | 7° 1 | 27°51 | 14° 5 | 5° 3 | 27°49 | 25°R44 | 26°33 | 6°34 | 27°22 | T 23 |
| F 24 | 4 14 31 | 2° 3'52 | 10♍ 7 | 6° 8 | 18°34 | 28°36 | 7°10 | 27°48 | 14° 6 | 5° 5 | 27°51 | 25°44 | 26°30 | 6°41 | 27°19 | F 24 |
| S 25 | 4 18 28 | 3° 4'05 | 22°21 | 7°43 | 19°29 | 29°17 | 7°20 | 27°44 | 14° 7 | 5° 7 | 27°53 | 25°42 | 26°27 | 6°47 | 27°16 | S 25 |
| S 26 | 4 22 24 | 4° 4'20 | 4♎52 | 9°17 | 20°24 | 29°58 | 7°29 | 27°41 | 14° 9 | 5° 9 | 27°55 | 25°40 | 26°23 | 6°54 | 27°13 | S 26 |
| M27 | 4 26 21 | 5° 4'37 | 17°43 | 10°52 | 21°18 | 0♐40 | 7°39 | 27°38 | 14°10 | 5°11 | 27°57 | 25°37 | 26°20 | 7° 1 | 27°10 | M27 |
| T 28 | 4 30 18 | 6° 4'56 | 0♏58 | 12°25 | 22°11 | 1°21 | 7°49 | 27°35 | 14°11 | 5°13 | 27°59 | 25°34 | 26°17 | 7° 7 | 27° 7 | T 28 |
| W29 | 4 34 14 | 7° 5'17 | 14°36 | 13°59 | 23° 3 | 2° 2 | 7°59 | 27°32 | 14°12 | 5°15 | 28° 1 | 25°31 | 26°14 | 7°14 | 27° 4 | W29 |
| T 30 | 4 38 11 | 8♐ 5'39 | 28♏35 | 15♐32 | 23♑55 | 2♐44 | 8♒ 9 | 27♈29 | 14♍13 | 5♑17 | 28♎ 3 | 25♊29 | 26♊11 | 7♌21 | 27♉ 1 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14s28 | 9s52 | 3n56 | 9s 2 | 1n47 | 26s26 | 3s12 | 15s27 | 0n14 | 19s38 | 0s32 | 8n38 | 2s44 | 7n13 | 0n45 | 22s 3 | 1n12 | 5n 2 | 16n27 | 23n16 | 23n18 | 22n 6 | 16n20 | 3s28 |
| T 2 | 14 46 | 14 45 | 3 2 | 9 42 | 1 43 | 26 31 | 3 14 | 15 39 | 0 13 | 19 36 | 0 32 | 8 37 | 2 44 | 7 12 | 0 45 | 22 3 | 1 12 | 5 1 | 16 27 | 23 16 | 23 18 | 22 5 | 16 19 | 3 28 |
| F 3 | 15 5 | 18 56 | 1 57 | 10 22 | 1 38 | 26 34 | 3 17 | 15 52 | 0 13 | 19 35 | 0 32 | 8 35 | 2 44 | 7 11 | 0 45 | 22 3 | 1 12 | 5 1 | 16 27 | 23 16 | 23 18 | 22 4 | 16 18 | 3 28 |
| S 4 | 15 23 | 22 3 | 0 44 | 11 1 | 1 34 | 26 37 | 3 19 | 16 4 | 0 12 | 19 33 | 0 32 | 8 34 | 2 44 | 7 10 | 0 45 | 22 3 | 1 12 | 5 0 | 16 28 | 23 15 | 23 17 | 22 3 | 16 17 | 3 28 |
| S 5 | 15 41 | 23 51 | 0s33 | 11 41 | 1 28 | 26 40 | 3 21 | 16 16 | 0 12 | 19 32 | 0 32 | 8 32 | 2 44 | 7 9 | 0 45 | 22 3 | 1 12 | 4 59 | 16 28 | 23 15 | 23 17 | 22 2 | 16 17 | 3 29 |
| M 6 | 15 59 | 24 6 | 1 48 | 12 19 | 1 23 | 26 42 | 3 23 | 16 28 | 0 11 | 19 30 | 0 32 | 8 31 | 2 44 | 7 8 | 0 45 | 22 3 | 1 12 | 4 59 | 16 28 | 23 15 | 23 17 | 22 1 | 16 16 | 3 29 |
| T 7 | 16 17 | 22 47 | 2 56 | 12 58 | 1 17 | 26 43 | 3 25 | 16 40 | 0 10 | 19 28 | 0 32 | 8 29 | 2 44 | 7 7 | 0 45 | 22 3 | 1 12 | 4 58 | 16 28 | 23 16 | 23 17 | 22 0 | 16 15 | 3 29 |
| W 8 | 16 34 | 20 2 | 3 53 | 13 36 | 1 11 | 26 44 | 3 27 | 16 52 | 0 10 | 19 27 | 0 32 | 8 28 | 2 43 | 7 7 | 0 46 | 22 3 | 1 12 | 4 57 | 16 28 | 23 16 | 23 17 | 21 59 | 16 14 | 3 29 |
| T 9 | 16 51 | 16 7 | 4 36 | 14 13 | 1 5 | 26 44 | 3 29 | 17 4 | 0 9 | 19 25 | 0 32 | 8 26 | 2 43 | 7 6 | 0 46 | 22 3 | 1 11 | 4 57 | 16 29 | 23 16 | 23 17 | 21 58 | 16 13 | 3 29 |
| F 10 | 17 7 | 11 20 | 5 3 | 14 49 | 0 59 | 26 43 | 3 30 | 17 15 | 0 9 | 19 23 | 0 32 | 8 25 | 2 43 | 7 5 | 0 46 | 22 3 | 1 11 | 4 56 | 16 29 | 23 15 | 23 17 | 21 57 | 16 13 | 3 29 |
| S 11 | 17 24 | 6 0 | 5 11 | 15 25 | 0 52 | 26 42 | 3 31 | 17 27 | 0 8 | 19 21 | 0 32 | 8 23 | 2 43 | 7 4 | 0 46 | 22 2 | 1 11 | 4 56 | 16 29 | 23 15 | 23 17 | 21 57 | 16 12 | 3 29 |
| S 12 | 17 40 | 0 26 | 5 1 | 16 0 | 0 46 | 26 40 | 3 33 | 17 38 | 0 8 | 19 19 | 0 32 | 8 22 | 2 43 | 7 3 | 0 46 | 22 2 | 1 11 | 4 55 | 16 29 | 23 15 | 23 17 | 21 56 | 16 11 | 3 30 |
| M13 | 17 56 | 5n 5 | 4 34 | 16 34 | 0 39 | 26 38 | 3 34 | 17 50 | 0 7 | 19 17 | 0 32 | 8 21 | 2 43 | 7 3 | 0 46 | 22 2 | 1 11 | 4 55 | 16 29 | 23 15 | 23 17 | 21 55 | 16 10 | 3 30 |
| T 14 | 18 11 | 10 18 | 3 53 | 17 8 | 0 32 | 26 35 | 3 35 | 18 1 | 0 6 | 19 16 | 0 32 | 8 19 | 2 43 | 7 2 | 0 46 | 22 2 | 1 11 | 4 54 | 16 30 | 23 15 | 23 17 | 21 54 | 16 10 | 3 30 |
| W15 | 18 26 | 14 57 | 2 59 | 17 40 | 0 26 | 26 32 | 3 36 | 18 12 | 0 6 | 19 14 | 0 32 | 8 18 | 2 43 | 7 1 | 0 46 | 22 2 | 1 11 | 4 54 | 16 30 | 23 15 | 23 17 | 21 53 | 16 9 | 3 30 |
| T 16 | 18 41 | 18 49 | 1 58 | 18 12 | 0 19 | 26 28 | 3 36 | 18 22 | 0 5 | 19 11 | 0 32 | 8 17 | 2 42 | 7 1 | 0 46 | 22 2 | 1 11 | 4 53 | 16 30 | 23 15 | 23 17 | 21 52 | 16 8 | 3 30 |
| F 17 | 18 56 | 21 44 | 0 52 | 18 42 | 0 12 | 26 23 | 3 37 | 18 33 | 0 5 | 19 9 | 0 32 | 8 15 | 2 42 | 7 0 | 0 46 | 22 2 | 1 11 | 4 53 | 16 30 | 23 15 | 23 17 | 21 51 | 16 7 | 3 30 |
| S 18 | 19 10 | 23 34 | 0n16 | 19 12 | 0 5 | 26 18 | 3 37 | 18 44 | 0 4 | 19 7 | 0 32 | 8 14 | 2 42 | 6 59 | 0 46 | 22 2 | 1 11 | 4 52 | 16 31 | 23 14 | 23 17 | 21 50 | 16 7 | 3 30 |
| S 19 | 19 24 | 24 15 | 1 21 | 19 40 | 0s 2 | 26 12 | 3 38 | 18 54 | 0 4 | 19 5 | 0 32 | 8 13 | 2 42 | 6 59 | 0 46 | 22 2 | 1 11 | 4 52 | 16 31 | 23 15 | 23 16 | 21 49 | 16 6 | 3 30 |
| M20 | 19 37 | 23 47 | 2 23 | 20 8 | 0 8 | 26 6 | 3 38 | 19 4 | 0 3 | 19 3 | 0 32 | 8 12 | 2 42 | 6 58 | 0 46 | 22 2 | 1 11 | 4 51 | 16 31 | 23 15 | 23 16 | 21 48 | 16 5 | 3 30 |
| T 21 | 19 51 | 22 15 | 3 17 | 20 35 | 0 15 | 25 59 | 3 37 | 19 14 | 0 2 | 19 1 | 0 32 | 8 11 | 2 42 | 6 58 | 0 46 | 22 2 | 1 11 | 4 51 | 16 32 | 23 15 | 23 16 | 21 47 | 16 4 | 3 30 |
| W22 | 20 3 | 19 46 | 4 3 | 21 0 | 0 22 | 25 52 | 3 37 | 19 24 | 0 2 | 18 58 | 0 32 | 8 10 | 2 42 | 6 57 | 0 46 | 22 2 | 1 11 | 4 50 | 16 32 | 23 15 | 23 16 | 21 46 | 16 4 | 3 30 |
| T 23 | 20 16 | 16 26 | 4 39 | 21 24 | 0 29 | 25 44 | 3 37 | 19 34 | 0 1 | 18 56 | 0 32 | 8 9 | 2 41 | 6 57 | 0 46 | 22 2 | 1 11 | 4 50 | 16 32 | 23 15 | 23 16 | 21 45 | 16 3 | 3 31 |
| F 24 | 20 28 | 12 25 | 5 3 | 21 48 | 0 35 | 25 36 | 3 36 | 19 44 | 0 1 | 18 54 | 0 32 | 8 7 | 2 41 | 6 56 | 0 46 | 22 2 | 1 11 | 4 50 | 16 32 | 23 15 | 23 16 | 21 43 | 16 2 | 3 31 |
| S 25 | 20 40 | 7 50 | 5 14 | 22 10 | 0 42 | 25 27 | 3 35 | 19 53 | 0 0 | 18 51 | 0 32 | 8 6 | 2 41 | 6 56 | 0 46 | 22 2 | 1 11 | 4 49 | 16 33 | 23 15 | 23 16 | 21 42 | 16 1 | 3 31 |
| S 26 | 20 51 | 2 50 | 5 11 | 22 31 | 0 48 | 25 18 | 3 34 | 20 3 | 0s 0 | 18 49 | 0 32 | 8 5 | 2 41 | 6 55 | 0 46 | 22 2 | 1 11 | 4 49 | 16 33 | 23 15 | 23 16 | 21 41 | 16 1 | 3 31 |
| M27 | 21 2 | 2s25 | 4 52 | 22 51 | 0 54 | 25 8 | 3 33 | 20 12 | 0 1 | 18 46 | 0 32 | 8 4 | 2 41 | 6 55 | 0 46 | 22 2 | 1 11 | 4 49 | 16 33 | 23 14 | 23 16 | 21 40 | 16 0 | 3 31 |
| T 28 | 21 13 | 7 43 | 4 17 | 23 10 | 1 0 | 24 58 | 3 31 | 20 21 | 0 2 | 18 44 | 0 32 | 8 3 | 2 40 | 6 54 | 0 46 | 22 2 | 1 11 | 4 48 | 16 34 | 23 14 | 23 16 | 21 39 | 15 59 | 3 31 |
| W29 | 21 23 | 12 50 | 3 27 | 23 28 | 1 7 | 24 48 | 3 30 | 20 30 | 0 2 | 18 41 | 0 32 | 8 3 | 2 40 | 6 54 | 0 46 | 22 2 | 1 11 | 4 48 | 16 34 | 23 14 | 23 16 | 21 38 | 15 59 | 3 31 |
| T 30 | 21s33 | 17s25 | 2n23 | 23s44 | 1s12 | 24s37 | 3s28 | 20s38 | 0s 3 | 18s39 | 0s32 | 8n 2 | 2s40 | 6n54 | 0n46 | 22s 2 | 1n11 | 4n48 | 16n34 | 23n14 | 23n16 | 21n37 | 15n58 | 3s31 |

Julian Day Number = 2805769.5, Delta T = 51m39s
Ecliptic obliquity = 23°18'50, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°18'58, Lahiri = 37°25'58


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# ASTRODIENST EPHEMERIS for the year 2969
# geocentric

## DECEMBER 2969 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 4 42 7 | 9♐ 6'04 | 12♐53 | 17♐ 5 | 24♑47 | 3♐25 | 8♒19 | 27°R26 | 14♍14 | 5♑20 | 28♎ 5 | 25°R28 | 26♊ 7 | 7♌27 | 26°R58 | F 1 |
| S 2 | 4 46 4 | 10° 6'30 | 27°23 | 18°38 | 25°37 | 4° 7 | 8°30 | 27♈23 | 14°15 | 5°22 | 28° 7 | 25°D28 | 26° 4 | 7°34 | 26♉55 | S 2 |
| S 3 | 4 50 0 | 11° 6'57 | 12♑ 0 | 20°10 | 26°27 | 4°48 | 8°40 | 27°20 | 14°16 | 5°24 | 28° 9 | 25♊28 | 26° 1 | 7°41 | 26°52 | S 3 |
| M 4 | 4 53 57 | 12° 7'26 | 26°38 | 21°43 | 27°16 | 5°30 | 8°51 | 27°17 | 14°17 | 5°26 | 28°11 | 25°29 | 25°58 | 7°47 | 26°49 | M 4 |
| T 5 | 4 57 54 | 13° 7'56 | 11♒12 | 23°15 | 28° 4 | 6°11 | 9° 1 | 27°15 | 14°18 | 5°28 | 28°13 | 25°30 | 25°55 | 7°54 | 26°47 | T 5 |
| W 6 | 5 1 50 | 14° 8'27 | 25°35 | 24°46 | 28°51 | 6°53 | 9°12 | 27°12 | 14°19 | 5°30 | 28°14 | 25°31 | 25°52 | 8° 1 | 26°44 | W 6 |
| T 7 | 5 5 47 | 15° 9'00 | 9♓46 | 26°18 | 29°38 | 7°35 | 9°23 | 27°10 | 14°20 | 5°32 | 28°16 | 25°R31 | 25°48 | 8° 7 | 26°41 | T 7 |
| F 8 | 5 9 43 | 16° 9'33 | 23°43 | 27°49 | 0♒23 | 8°16 | 9°34 | 27° 8 | 14°20 | 5°34 | 28°18 | 25°31 | 25°45 | 8°14 | 26°38 | F 8 |
| S 9 | 5 13 40 | 17°10'07 | 7♈24 | 29°20 | 1° 8 | 8°58 | 9°45 | 27° 6 | 14°21 | 5°37 | 28°20 | 25°31 | 25°42 | 8°21 | 26°35 | S 9 |
| S 10 | 5 17 36 | 18°10'43 | 20°51 | 0♑51 | 1°51 | 9°40 | 9°56 | 27° 3 | 14°21 | 5°39 | 28°21 | 25°30 | 25°39 | 8°27 | 26°32 | S 10 |
| M11 | 5 21 33 | 19°11'20 | 4♉ 2 | 2°22 | 2°34 | 10°22 | 10° 7 | 27° 1 | 14°22 | 5°41 | 28°23 | 25°29 | 25°36 | 8°34 | 26°30 | M11 |
| T 12 | 5 25 29 | 20°11'58 | 17° 0 | 3°52 | 3°15 | 11° 4 | 10°19 | 27° 0 | 14°22 | 5°43 | 28°25 | 25°28 | 25°33 | 8°41 | 26°27 | T 12 |
| W13 | 5 29 26 | 21°12'37 | 29°44 | 5°22 | 3°55 | 11°46 | 10°30 | 26°58 | 14°23 | 5°45 | 28°26 | 25°28 | 25°29 | 8°47 | 26°24 | W13 |
| T 14 | 5 33 23 | 22°13'17 | 12♊15 | 6°52 | 4°34 | 12°28 | 10°41 | 26°56 | 14°23 | 5°47 | 28°28 | 25°28 | 25°26 | 8°54 | 26°22 | T 14 |
| F 15 | 5 37 19 | 23°13'59 | 24°35 | 8°22 | 5°12 | 13°10 | 10°53 | 26°55 | 14°23 | 5°50 | 28°29 | 25°D28 | 25°23 | 9° 1 | 26°19 | F 15 |
| S 16 | 5 41 16 | 24°14'42 | 6♋45 | 9°51 | 5°48 | 13°52 | 11° 5 | 26°53 | 14°24 | 5°52 | 28°31 | 25°28 | 25°20 | 9° 8 | 26°17 | S 16 |
| S 17 | 5 45 12 | 25°15'26 | 18°46 | 11°19 | 6°23 | 14°34 | 11°17 | 26°52 | 14°24 | 5°54 | 28°32 | 25°R28 | 25°17 | 9°14 | 26°14 | S 17 |
| M18 | 5 49 9 | 26°16'11 | 0♌41 | 12°47 | 6°57 | 15°16 | 11°28 | 26°50 | 14°24 | 5°56 | 28°34 | 25°28 | 25°13 | 9°21 | 26°11 | M18 |
| T 19 | 5 53 5 | 27°16'58 | 12°31 | 14°14 | 7°29 | 15°59 | 11°40 | 26°49 | 14°R24 | 5°59 | 28°35 | 25°27 | 25°10 | 9°28 | 26° 9 | T 19 |
| W20 | 5 57 2 | 28°17'46 | 24°20 | 15°41 | 8° 0 | 16°41 | 11°52 | 26°48 | 14°24 | 6° 1 | 28°37 | 25°27 | 25° 7 | 9°34 | 26° 7 | W20 |
| T 21 | 6 0 58 | 29°18'35 | 6♍13 | 17° 7 | 8°29 | 17°23 | 12° 5 | 26°47 | 14°24 | 6° 3 | 28°38 | 25°27 | 25° 4 | 9°41 | 26° 4 | T 21 |
| F 22 | 6 4 55 | 0♑19'25 | 18°12 | 18°31 | 8°56 | 18° 6 | 12°17 | 26°46 | 14°24 | 6° 5 | 28°40 | 25°26 | 25° 1 | 9°48 | 26° 2 | F 22 |
| S 23 | 6 8 52 | 1°20'17 | 0♎22 | 19°55 | 9°22 | 18°48 | 12°29 | 26°46 | 14°24 | 6° 8 | 28°41 | 25°D26 | 24°58 | 9°54 | 25°59 | S 23 |
| S 24 | 6 12 48 | 2°21'10 | 12°49 | 21°17 | 9°46 | 19°30 | 12°41 | 26°45 | 14°23 | 6°10 | 28°42 | 25°26 | 24°54 | 10° 1 | 25°57 | S 24 |
| M25 | 6 16 45 | 3°22'04 | 25°35 | 22°38 | 10° 8 | 20°13 | 12°54 | 26°44 | 14°23 | 6°12 | 28°44 | 25°27 | 24°51 | 10° 8 | 25°55 | M25 |
| T 26 | 6 20 41 | 4°22'59 | 8♏46 | 23°56 | 10°28 | 20°56 | 13° 6 | 26°44 | 14°23 | 6°14 | 28°45 | 25°28 | 24°48 | 10°14 | 25°53 | T 26 |
| W27 | 6 24 38 | 5°23'56 | 22°23 | 25°13 | 10°47 | 21°38 | 13°19 | 26°44 | 14°22 | 6°17 | 28°46 | 25°28 | 24°45 | 10°21 | 25°50 | W27 |
| T 28 | 6 28 34 | 6°24'53 | 6♐26 | 26°27 | 11° 3 | 22°21 | 13°31 | 26°44 | 14°22 | 6°19 | 28°47 | 25°29 | 24°42 | 10°28 | 25°48 | T 28 |
| F 29 | 6 32 31 | 7°25'52 | 20°53 | 27°38 | 11°17 | 23° 4 | 13°44 | 26°D43 | 14°21 | 6°21 | 28°48 | 25°R30 | 24°39 | 10°34 | 25°46 | F 29 |
| S 30 | 6 36 27 | 8°26'52 | 5♑41 | 28°46 | 11°29 | 23°46 | 13°57 | 26°43 | 14°21 | 6°23 | 28°49 | 25°30 | 24°35 | 10°41 | 25°44 | S 30 |
| S 31 | 6 40 24 | 9♑27'52 | 20♑42 | 29♑50 | 11♒39 | 24♐29 | 14♒10 | 26♈44 | 14♍20 | 6♑26 | 28♎51 | 25♊29 | 24♊32 | 10♌48 | 25♉42 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 21s42 | 21s 5 | 1n 9 | 23s59 | 1s18 | 24s26 | 3s26 | 20s47 | 0s 3 | 18s36 | 0s32 | 8n 1 | 2s40 | 6n53 | 0n46 | 22s 2 | 1n11 | 4n47 | 16n35 | 23n14 | 23n15 | 21n36 | 15n57 | 3s31 |
| S 2 | 21 51 | 23 28 | 0s11 | 24 13 | 1 24 | 24 14 | 3 23 | 20 55 | 0 4 | 18 33 | 0 32 | 8 0 | 2 40 | 6 53 | 0 47 | 22 2 | 1 11 | 4 47 | 16 35 | 23 14 | 23 15 | 21 35 | 15 57 | 3 31 |
| S 3 | 21 59 | 24 16 | 1 30 | 24 26 | 1 29 | 24 2 | 3 21 | 21 3 | 0 5 | 18 31 | 0 32 | 7 59 | 2 39 | 6 52 | 0 47 | 22 2 | 1 11 | 4 47 | 16 36 | 23 14 | 23 15 | 21 34 | 15 56 | 3 31 |
| M 4 | 22 8 | 23 24 | 2 44 | 24 38 | 1 34 | 23 50 | 3 18 | 21 11 | 0 5 | 18 28 | 0 32 | 7 59 | 2 39 | 6 52 | 0 47 | 22 1 | 1 11 | 4 47 | 16 36 | 23 14 | 23 15 | 21 33 | 15 55 | 3 31 |
| T 5 | 22 15 | 20 58 | 3 47 | 24 48 | 1 39 | 23 37 | 3 15 | 21 19 | 0 6 | 18 25 | 0 32 | 7 58 | 2 39 | 6 52 | 0 47 | 22 1 | 1 11 | 4 46 | 16 36 | 23 14 | 23 15 | 21 32 | 15 54 | 3 31 |
| W 6 | 22 23 | 17 14 | 4 35 | 24 57 | 1 44 | 23 24 | 3 11 | 21 27 | 0 6 | 18 22 | 0 32 | 7 57 | 2 39 | 6 52 | 0 47 | 22 1 | 1 11 | 4 46 | 16 37 | 23 14 | 23 15 | 21 31 | 15 54 | 3 31 |
| T 7 | 22 30 | 12 35 | 5 5 | 25 5 | 1 49 | 23 11 | 3 8 | 21 34 | 0 7 | 18 20 | 0 32 | 7 57 | 2 39 | 6 51 | 0 47 | 22 1 | 1 11 | 4 46 | 16 37 | 23 14 | 23 15 | 21 29 | 15 53 | 3 31 |
| F 8 | 22 36 | 7 20 | 5 17 | 25 11 | 1 53 | 22 57 | 3 4 | 21 42 | 0 7 | 18 17 | 0 32 | 7 56 | 2 38 | 6 51 | 0 47 | 22 1 | 1 11 | 4 46 | 16 38 | 23 14 | 23 15 | 21 28 | 15 53 | 3 31 |
| S 9 | 22 42 | 1 50 | 5 10 | 25 16 | 1 57 | 22 43 | 3 0 | 21 49 | 0 8 | 18 14 | 0 32 | 7 55 | 2 38 | 6 51 | 0 47 | 22 1 | 1 11 | 4 46 | 16 38 | 23 14 | 23 15 | 21 27 | 15 52 | 3 31 |
| S 10 | 22 47 | 3n40 | 4 47 | 25 20 | 2 1 | 22 29 | 2 55 | 21 56 | 0 9 | 18 11 | 0 32 | 7 55 | 2 38 | 6 51 | 0 47 | 22 1 | 1 11 | 4 45 | 16 38 | 23 14 | 23 15 | 21 26 | 15 51 | 3 31 |
| M11 | 22 53 | 8 54 | 4 8 | 25 22 | 2 5 | 22 15 | 2 50 | 22 2 | 0 9 | 18 8 | 0 32 | 7 54 | 2 38 | 6 51 | 0 47 | 22 1 | 1 11 | 4 45 | 16 39 | 23 14 | 23 14 | 21 25 | 15 51 | 3 31 |
| T 12 | 22 57 | 13 40 | 3 18 | 25 24 | 2 8 | 22 1 | 2 45 | 22 9 | 0 10 | 18 5 | 0 32 | 7 54 | 2 37 | 6 51 | 0 47 | 22 1 | 1 11 | 4 45 | 16 39 | 23 14 | 23 14 | 21 24 | 15 50 | 3 31 |
| W13 | 23 1 | 17 44 | 2 18 | 25 23 | 2 11 | 21 46 | 2 40 | 22 15 | 0 10 | 18 2 | 0 32 | 7 54 | 2 37 | 6 50 | 0 47 | 22 1 | 1 11 | 4 45 | 16 40 | 23 14 | 23 14 | 21 23 | 15 49 | 3 31 |
| T 14 | 23 5 | 20 57 | 1 13 | 25 22 | 2 14 | 21 31 | 2 34 | 22 21 | 0 11 | 17 59 | 0 32 | 7 53 | 2 37 | 6 50 | 0 47 | 22 1 | 1 11 | 4 45 | 16 40 | 23 14 | 23 14 | 21 21 | 15 49 | 3 31 |
| F 15 | 23 9 | 23 7 | 0 5 | 25 19 | 2 16 | 21 16 | 2 28 | 22 27 | 0 12 | 17 56 | 0 32 | 7 53 | 2 37 | 6 50 | 0 47 | 22 1 | 1 11 | 4 45 | 16 41 | 23 14 | 23 14 | 21 20 | 15 48 | 3 31 |
| S 16 | 23 11 | 24 11 | 1n 2 | 25 15 | 2 18 | 21 1 | 2 22 | 22 33 | 0 12 | 17 52 | 0 32 | 7 53 | 2 36 | 6 50 | 0 47 | 22 1 | 1 11 | 4 45 | 16 41 | 23 14 | 23 14 | 21 19 | 15 48 | 3 31 |
| S 17 | 23 14 | 24 5 | 2 6 | 25 9 | 2 20 | 20 46 | 2 16 | 22 38 | 0 13 | 17 49 | 0 32 | 7 52 | 2 36 | 6 50 | 0 47 | 22 1 | 1 11 | 4 45 | 16 42 | 23 14 | 23 14 | 21 18 | 15 47 | 3 31 |
| M18 | 23 16 | 22 53 | 3 3 | 25 2 | 2 21 | 20 31 | 2 9 | 22 44 | 0 13 | 17 46 | 0 32 | 7 52 | 2 36 | 6 50 | 0 47 | 22 0 | 1 11 | 4 45 | 16 42 | 23 14 | 23 14 | 21 17 | 15 47 | 3 31 |
| T 19 | 23 17 | 20 41 | 3 53 | 24 54 | 2 22 | 20 15 | 2 1 | 22 49 | 0 14 | 17 43 | 0 32 | 7 52 | 2 36 | 6 50 | 0 47 | 22 0 | 1 10 | 4 45 | 16 43 | 23 14 | 23 14 | 21 16 | 15 46 | 3 31 |
| W20 | 23 18 | 17 37 | 4 32 | 24 45 | 2 22 | 20 0 | 1 54 | 22 54 | 0 15 | 17 39 | 0 32 | 7 52 | 2 35 | 6 50 | 0 47 | 22 0 | 1 10 | 4 45 | 16 43 | 23 14 | 23 13 | 21 14 | 15 46 | 3 31 |
| T 21 | 23 19 | 13 50 | 5 0 | 24 34 | 2 21 | 19 45 | 1 45 | 22 58 | 0 15 | 17 36 | 0 32 | 7 52 | 2 35 | 6 50 | 0 47 | 22 0 | 1 10 | 4 45 | 16 44 | 23 14 | 23 13 | 21 13 | 15 45 | 3 31 |
| F 22 | 23 19 | 9 29 | 5 15 | 24 22 | 2 21 | 19 29 | 1 37 | 23 3 | 0 16 | 17 33 | 0 32 | 7 52 | 2 35 | 6 50 | 0 47 | 22 0 | 1 10 | 4 45 | 16 44 | 23 14 | 23 13 | 21 12 | 15 45 | 3 31 |
| S 23 | 23 18 | 4 42 | 5 16 | 24 8 | 2 19 | 19 14 | 1 28 | 23 7 | 0 16 | 17 29 | 0 32 | 7 52 | 2 35 | 6 51 | 0 47 | 22 0 | 1 10 | 4 45 | 16 45 | 23 14 | 23 13 | 21 11 | 15 44 | 3 31 |
| S 24 | 23 18 | 0s23 | 5 3 | 23 54 | 2 17 | 18 59 | 1 19 | 23 11 | 0 17 | 17 26 | 0 32 | 7 52 | 2 34 | 6 51 | 0 48 | 22 0 | 1 10 | 4 45 | 16 45 | 23 14 | 23 13 | 21 10 | 15 44 | 3 31 |
| M25 | 23 16 | 5 34 | 4 35 | 23 38 | 2 15 | 18 44 | 1 9 | 23 15 | 0 18 | 17 22 | 0 32 | 7 52 | 2 34 | 6 51 | 0 48 | 22 0 | 1 10 | 4 45 | 16 46 | 23 14 | 23 13 | 21 8 | 15 43 | 3 31 |
| T 26 | 23 14 | 10 41 | 3 51 | 23 22 | 2 11 | 18 29 | 0 59 | 23 18 | 0 18 | 17 19 | 0 32 | 7 52 | 2 34 | 6 51 | 0 48 | 22 0 | 1 10 | 4 45 | 16 46 | 23 14 | 23 13 | 21 7 | 15 43 | 3 31 |
| W27 | 23 12 | 15 28 | 2 54 | 23 4 | 2 7 | 18 14 | 0 49 | 23 22 | 0 19 | 17 15 | 0 32 | 7 52 | 2 33 | 6 51 | 0 48 | 22 0 | 1 10 | 4 45 | 16 47 | 23 14 | 23 13 | 21 6 | 15 42 | 3 31 |
| T 28 | 23 10 | 19 34 | 1 44 | 22 45 | 2 2 | 17 59 | 0 38 | 23 25 | 0 19 | 17 12 | 0 33 | 7 52 | 2 33 | 6 51 | 0 48 | 22 0 | 1 10 | 4 45 | 16 47 | 23 14 | 23 12 | 21 5 | 15 42 | 3 31 |
| F 29 | 23 6 | 22 35 | 0 26 | 22 26 | 1 56 | 17 44 | 0 27 | 23 28 | 0 20 | 17 8 | 0 33 | 7 52 | 2 33 | 6 52 | 0 48 | 21 59 | 1 10 | 4 45 | 16 48 | 23 14 | 23 12 | 21 3 | 15 41 | 3 30 |
| S 30 | 23 3 | 24 8 | 0s56 | 22 5 | 1 50 | 17 30 | 0 16 | 23 31 | 0 21 | 17 5 | 0 33 | 7 53 | 2 33 | 6 52 | 0 48 | 21 59 | 1 10 | 4 45 | 16 48 | 23 14 | 23 12 | 21 2 | 15 41 | 3 30 |
| S 31 | 22s59 | 23s57 | 2s15 | 21s45 | 1s42 | 17s16 | 0s 4 | 23s33 | 0s21 | 17s 1 | 0s33 | 7n53 | 2s32 | 6n52 | 0n48 | 21s59 | 1n10 | 4n45 | 16n49 | 23n14 | 23n12 | 21n 1 | 15n41 | 3s30 |

Julian Day Number = 2805799.5, Delta T = 51m39s
Ecliptic obliquity = 23°18'49, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°19'02, Lahiri = 37°26'02


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# ASTRODIENST EPHEMERIS for the year 2970
# geocentric

## JANUARY 2970 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 6 44 21 | 10♑28'53 | 5♒46 | 0♒49 | 11♒47 | 25♐12 | 14♒23 | 26♈44 | 14°R19 | 6♑28 | 28♎52 | 25°R27 | 24♊29 | 10♌54 | 25°R40 | M 1 |
| T 2 | 6 48 17 | 11°29'55 | 20°45 | 1°43 | 11°52 | 25°55 | 14°36 | 26°44 | 14♏19 | 6°30 | 28°53 | 25♊25 | 24°26 | 11° 1 | 25♉38 | T 2 |
| W 3 | 6 52 14 | 12°30'57 | 5♓32 | 2°31 | 11°55 | 26°38 | 14°49 | 26°45 | 14°18 | 6°33 | 28°54 | 25°23 | 24°23 | 11° 8 | 25°37 | W 3 |
| T 4 | 6 56 10 | 13°31'59 | 19°59 | 3°12 | 11°R55 | 27°21 | 15° 2 | 26°45 | 14°17 | 6°35 | 28°55 | 25°21 | 24°19 | 11°15 | 25°35 | T 4 |
| F 5 | 7 0 7 | 14°33'02 | 4♈ 3 | 3°46 | 11°53 | 28° 4 | 15°15 | 26°46 | 14°16 | 6°37 | 28°56 | 25°20 | 24°16 | 11°21 | 25°33 | F 5 |
| S 6 | 7 4 3 | 15°34'04 | 17°44 | 4°11 | 11°49 | 28°47 | 15°28 | 26°47 | 14°15 | 6°39 | 28°56 | 25°D20 | 24°13 | 11°28 | 25°31 | S 6 |
| S 7 | 7 8 0 | 16°35'07 | 1♉ 2 | 4°26 | 11°42 | 29°30 | 15°41 | 26°48 | 14°14 | 6°41 | 28°57 | 25°20 | 24°10 | 11°35 | 25°30 | S 7 |
| M 8 | 7 11 56 | 17°36'10 | 14° 0 | 4°R31 | 11°32 | 0♑13 | 15°54 | 26°49 | 14°13 | 6°44 | 28°58 | 25°22 | 24° 7 | 11°41 | 25°28 | M 8 |
| T 9 | 7 15 53 | 18°37'14 | 26°41 | 4°26 | 11°20 | 0°56 | 16° 8 | 26°50 | 14°12 | 6°46 | 28°59 | 25°23 | 24° 4 | 11°48 | 25°27 | T 9 |
| W10 | 7 19 50 | 19°38'17 | 9♊ 7 | 4° 8 | 11° 6 | 1°39 | 16°21 | 26°51 | 14°11 | 6°48 | 29° 0 | 25°25 | 24° 0 | 11°55 | 25°25 | W10 |
| T 11 | 7 23 46 | 20°39'21 | 21°22 | 3°39 | 10°49 | 2°23 | 16°35 | 26°52 | 14°10 | 6°50 | 29° 0 | 25°R26 | 23°57 | 12° 1 | 25°24 | T 11 |
| F 12 | 7 27 43 | 21°40'25 | 3♋27 | 2°58 | 10°30 | 3° 6 | 16°48 | 26°54 | 14° 9 | 6°53 | 29° 1 | 25°26 | 23°54 | 12° 8 | 25°22 | F 12 |
| S 13 | 7 31 39 | 22°41'29 | 15°26 | 2° 6 | 10° 8 | 3°49 | 17° 2 | 26°55 | 14° 7 | 6°55 | 29° 2 | 25°24 | 23°51 | 12°15 | 25°21 | S 13 |
| S 14 | 7 35 36 | 23°42'34 | 27°21 | 1° 4 | 9°44 | 4°33 | 17°15 | 26°57 | 14° 6 | 6°57 | 29° 2 | 25°21 | 23°48 | 12°21 | 25°20 | S 14 |
| M15 | 7 39 32 | 24°43'38 | 9♌12 | 29♑53 | 9°18 | 5°16 | 17°29 | 26°59 | 14° 5 | 6°59 | 29° 3 | 25°16 | 23°45 | 12°28 | 25°19 | M15 |
| T 16 | 7 43 29 | 25°44'43 | 21° 3 | 28°37 | 8°50 | 6° 0 | 17°42 | 27° 1 | 14° 3 | 7° 1 | 29° 3 | 25°11 | 23°41 | 12°35 | 25°18 | T 16 |
| W17 | 7 47 26 | 26°45'48 | 2♍54 | 27°16 | 8°20 | 6°43 | 17°56 | 27° 3 | 14° 2 | 7° 4 | 29° 4 | 25° 5 | 23°38 | 12°42 | 25°17 | W17 |
| T 18 | 7 51 22 | 27°46'54 | 14°48 | 25°55 | 7°49 | 7°27 | 18°10 | 27° 5 | 14° 0 | 7° 6 | 29° 4 | 24°59 | 23°35 | 12°48 | 25°15 | T 18 |
| F 19 | 7 55 19 | 28°47'59 | 26°49 | 24°34 | 7°16 | 8°10 | 18°24 | 27° 7 | 13°59 | 7° 8 | 29° 5 | 24°54 | 23°32 | 12°55 | 25°15 | F 19 |
| S 20 | 7 59 15 | 29°49'05 | 8♎58 | 23°18 | 6°42 | 8°54 | 18°37 | 27° 9 | 13°57 | 7°10 | 29° 5 | 24°50 | 23°29 | 13° 2 | 25°14 | S 20 |
| S 21 | 8 3 12 | 0♒50'11 | 21°21 | 22° 9 | 6° 6 | 9°38 | 18°51 | 27°11 | 13°55 | 7°12 | 29° 6 | 24°48 | 23°25 | 13° 8 | 25°13 | S 21 |
| M22 | 8 7 8 | 1°51'17 | 4♏ 1 | 21° 7 | 5°31 | 10°21 | 19° 5 | 27°14 | 13°54 | 7°14 | 29° 6 | 24°D47 | 23°22 | 13°15 | 25°12 | M22 |
| T 23 | 8 11 5 | 2°52'24 | 17° 3 | 20°13 | 4°54 | 11° 5 | 19°19 | 27°17 | 13°52 | 7°16 | 29° 6 | 24°48 | 23°19 | 13°22 | 25°11 | T 23 |
| W24 | 8 15 1 | 3°53'31 | 0♐29 | 19°30 | 4°17 | 11°49 | 19°33 | 27°19 | 13°50 | 7°18 | 29° 7 | 24°50 | 23°16 | 13°28 | 25°11 | W24 |
| T 25 | 8 18 58 | 4°54'37 | 14°23 | 18°57 | 3°41 | 12°33 | 19°47 | 27°22 | 13°48 | 7°20 | 29° 7 | 24°51 | 23°13 | 13°35 | 25°10 | T 25 |
| F 26 | 8 22 55 | 5°55'45 | 28°45 | 18°33 | 3° 4 | 13°17 | 20° 1 | 27°25 | 13°46 | 7°22 | 29° 7 | 24°R51 | 23°10 | 13°42 | 25°10 | F 26 |
| S 27 | 8 26 51 | 6°56'52 | 13♑32 | 18°19 | 2°28 | 14° 1 | 20°15 | 27°28 | 13°44 | 7°25 | 29° 7 | 24°50 | 23° 6 | 13°48 | 25° 9 | S 27 |
| S 28 | 8 30 48 | 7°57'59 | 28°38 | 18°D15 | 1°53 | 14°45 | 20°29 | 27°31 | 13°42 | 7°27 | 29° 7 | 24°46 | 23° 3 | 13°55 | 25° 9 | S 28 |
| M29 | 8 34 44 | 8°59'05 | 13♒56 | 18°19 | 1°19 | 15°29 | 20°43 | 27°34 | 13°40 | 7°29 | 29° 7 | 24°41 | 23° 0 | 14° 2 | 25° 8 | M29 |
| T 30 | 8 38 41 | 10° 0'11 | 29°13 | 18°31 | 0°46 | 16°13 | 20°57 | 27°38 | 13°38 | 7°31 | 29° 7 | 24°34 | 22°57 | 14° 8 | 25° 8 | T 30 |
| W31 | 8 42 37 | 11♒ 1'17 | 14♓19 | 18♑50 | 0♒14 | 16♑57 | 21♒11 | 27♈41 | 13♏36 | 7♑33 | 29°R 7 | 24♊27 | 22♊54 | 14♌15 | 25♉ 8 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s54 | 22s 2 | 3s25 | 21s23 | 1s33 | 17s 2 | 0n 9 | 23s35 | 0s22 | 16s57 | 0s33 | 7n53 | 2s32 | 6n53 | 0n48 | 21s59 | 1n10 | 4n45 | 16n49 | 23n14 | 23n12 | 21n 0 | 15n40 | 3s30 |
| T 2 | 22 49 | 18 36 | 4 20 | 21 2 | 1 24 | 16 48 | 0 21 | 23 37 | 0 22 | 16 53 | 0 33 | 7 54 | 2 32 | 6 53 | 0 48 | 21 59 | 1 10 | 4 46 | 16 50 | 23 14 | 23 12 | 20 58 | 15 40 | 3 30 |
| W 3 | 22 44 | 14 3 | 4 57 | 20 41 | 1 13 | 16 34 | 0 35 | 23 39 | 0 23 | 16 50 | 0 33 | 7 54 | 2 32 | 6 53 | 0 48 | 21 59 | 1 10 | 4 46 | 16 50 | 23 14 | 23 12 | 20 57 | 15 39 | 3 30 |
| T 4 | 22 38 | 8 46 | 5 14 | 20 19 | 1 1 | 16 21 | 0 48 | 23 41 | 0 24 | 16 46 | 0 33 | 7 54 | 2 31 | 6 54 | 0 48 | 21 59 | 1 10 | 4 46 | 16 51 | 23 14 | 23 12 | 20 56 | 15 39 | 3 30 |
| F 5 | 22 31 | 3 11 | 5 12 | 19 59 | 0 48 | 16 8 | 1 2 | 23 42 | 0 24 | 16 42 | 0 33 | 7 55 | 2 31 | 6 54 | 0 48 | 21 59 | 1 10 | 4 46 | 16 52 | 23 14 | 23 11 | 20 54 | 15 39 | 3 30 |
| S 6 | 22 25 | 2n25 | 4 52 | 19 39 | 0 33 | 15 56 | 1 16 | 23 43 | 0 25 | 16 38 | 0 33 | 7 55 | 2 31 | 6 54 | 0 48 | 21 59 | 1 10 | 4 46 | 16 52 | 23 14 | 23 11 | 20 53 | 15 39 | 3 30 |
| S 7 | 22 17 | 7 46 | 4 17 | 19 20 | 0 18 | 15 44 | 1 31 | 23 44 | 0 25 | 16 34 | 0 33 | 7 56 | 2 31 | 6 55 | 0 48 | 21 58 | 1 10 | 4 47 | 16 53 | 23 14 | 23 11 | 20 52 | 15 38 | 3 30 |
| M 8 | 22 10 | 12 38 | 3 29 | 19 3 | 0 1 | 15 32 | 1 45 | 23 45 | 0 26 | 16 31 | 0 33 | 7 57 | 2 30 | 6 55 | 0 48 | 21 58 | 1 10 | 4 47 | 16 53 | 23 14 | 23 11 | 20 51 | 15 38 | 3 30 |
| T 9 | 22 2 | 16 51 | 2 32 | 18 47 | 0n17 | 15 21 | 2 1 | 23 45 | 0 27 | 16 27 | 0 33 | 7 57 | 2 30 | 6 56 | 0 48 | 21 58 | 1 10 | 4 47 | 16 54 | 23 14 | 23 11 | 20 49 | 15 38 | 3 30 |
| W10 | 21 53 | 20 14 | 1 29 | 18 33 | 0 35 | 15 10 | 2 16 | 23 45 | 0 27 | 16 23 | 0 33 | 7 58 | 2 30 | 6 56 | 0 48 | 21 58 | 1 10 | 4 47 | 16 54 | 23 14 | 23 11 | 20 48 | 15 37 | 3 29 |
| T 11 | 21 44 | 22 40 | 0 22 | 18 21 | 0 55 | 15 0 | 2 31 | 23 45 | 0 28 | 16 19 | 0 33 | 7 59 | 2 29 | 6 57 | 0 48 | 21 58 | 1 10 | 4 48 | 16 55 | 23 14 | 23 11 | 20 47 | 15 37 | 3 29 |
| F 12 | 21 35 | 24 0 | 0n44 | 18 12 | 1 14 | 14 50 | 2 47 | 23 45 | 0 28 | 16 15 | 0 33 | 8 0 | 2 29 | 6 57 | 0 48 | 21 58 | 1 10 | 4 48 | 16 56 | 23 14 | 23 10 | 20 45 | 15 37 | 3 29 |
| S 13 | 21 25 | 24 13 | 1 48 | 18 4 | 1 33 | 14 41 | 3 2 | 23 45 | 0 29 | 16 11 | 0 33 | 8 0 | 2 29 | 6 58 | 0 48 | 21 58 | 1 10 | 4 48 | 16 56 | 23 14 | 23 10 | 20 44 | 15 37 | 3 29 |
| S 14 | 21 15 | 23 18 | 2 46 | 17 59 | 1 52 | 14 32 | 3 18 | 23 44 | 0 30 | 16 7 | 0 33 | 8 1 | 2 29 | 6 58 | 0 48 | 21 58 | 1 10 | 4 49 | 16 57 | 23 14 | 23 10 | 20 43 | 15 37 | 3 29 |
| M15 | 21 4 | 21 21 | 3 37 | 17 57 | 2 10 | 14 24 | 3 34 | 23 43 | 0 30 | 16 3 | 0 33 | 8 2 | 2 28 | 6 59 | 0 48 | 21 58 | 1 10 | 4 49 | 16 57 | 23 14 | 23 10 | 20 41 | 15 36 | 3 29 |
| T 16 | 20 53 | 18 29 | 4 19 | 17 56 | 2 27 | 14 16 | 3 49 | 23 42 | 0 31 | 15 58 | 0 33 | 8 3 | 2 28 | 6 59 | 0 48 | 21 57 | 1 10 | 4 49 | 16 58 | 23 14 | 23 10 | 20 40 | 15 36 | 3 29 |
| W17 | 20 42 | 14 52 | 4 49 | 17 58 | 2 41 | 14 9 | 4 5 | 23 40 | 0 31 | 15 54 | 0 33 | 8 4 | 2 28 | 7 0 | 0 49 | 21 57 | 1 10 | 4 50 | 16 58 | 23 13 | 23 10 | 20 39 | 15 36 | 3 29 |
| T 18 | 20 30 | 10 40 | 5 7 | 18 1 | 2 54 | 14 2 | 4 20 | 23 38 | 0 32 | 15 50 | 0 33 | 8 5 | 2 28 | 7 1 | 0 49 | 21 57 | 1 10 | 4 50 | 16 59 | 23 13 | 23 10 | 20 37 | 15 36 | 3 29 |
| F 19 | 20 18 | 6 2 | 5 11 | 18 5 | 3 4 | 13 56 | 4 35 | 23 36 | 0 33 | 15 46 | 0 33 | 8 6 | 2 27 | 7 1 | 0 49 | 21 57 | 1 10 | 4 51 | 17 0 | 23 13 | 23 9 | 20 36 | 15 36 | 3 29 |
| S 20 | 20 5 | 1 6 | 5 2 | 18 11 | 3 11 | 13 50 | 4 49 | 23 34 | 0 33 | 15 42 | 0 33 | 8 7 | 2 27 | 7 2 | 0 49 | 21 57 | 1 10 | 4 51 | 17 0 | 23 13 | 23 9 | 20 34 | 15 36 | 3 28 |
| S 21 | 19 52 | 3s58 | 4 39 | 18 17 | 3 16 | 13 45 | 5 3 | 23 32 | 0 34 | 15 38 | 0 34 | 8 8 | 2 27 | 7 3 | 0 49 | 21 57 | 1 10 | 4 51 | 17 1 | 23 13 | 23 9 | 20 33 | 15 36 | 3 28 |
| M22 | 19 39 | 9 0 | 4 2 | 18 24 | 3 18 | 13 40 | 5 17 | 23 29 | 0 34 | 15 33 | 0 34 | 8 9 | 2 26 | 7 3 | 0 49 | 21 57 | 1 10 | 4 52 | 17 1 | 23 13 | 23 9 | 20 32 | 15 36 | 3 28 |
| T 23 | 19 25 | 13 47 | 3 11 | 18 32 | 3 18 | 13 36 | 5 30 | 23 26 | 0 35 | 15 29 | 0 34 | 8 10 | 2 26 | 7 4 | 0 49 | 21 57 | 1 10 | 4 52 | 17 2 | 23 13 | 23 9 | 20 30 | 15 36 | 3 28 |
| W24 | 19 11 | 18 3 | 2 9 | 18 40 | 3 16 | 13 32 | 5 42 | 23 23 | 0 36 | 15 25 | 0 34 | 8 12 | 2 26 | 7 5 | 0 49 | 21 56 | 1 10 | 4 53 | 17 3 | 23 13 | 23 9 | 20 29 | 15 36 | 3 28 |
| T 25 | 18 56 | 21 28 | 0 57 | 18 48 | 3 13 | 13 29 | 5 54 | 23 20 | 0 36 | 15 20 | 0 34 | 8 13 | 2 26 | 7 5 | 0 49 | 21 56 | 1 10 | 4 53 | 17 3 | 23 13 | 23 8 | 20 28 | 15 36 | 3 28 |
| F 26 | 18 41 | 23 40 | 0s21 | 18 56 | 3 7 | 13 26 | 6 5 | 23 16 | 0 37 | 15 16 | 0 34 | 8 14 | 2 25 | 7 6 | 0 49 | 21 56 | 1 10 | 4 54 | 17 4 | 23 13 | 23 8 | 20 26 | 15 36 | 3 28 |
| S 27 | 18 26 | 24 17 | 1 40 | 19 5 | 3 1 | 13 24 | 6 15 | 23 12 | 0 37 | 15 12 | 0 34 | 8 15 | 2 25 | 7 7 | 0 49 | 21 56 | 1 10 | 4 54 | 17 4 | 23 13 | 23 8 | 20 25 | 15 36 | 3 28 |
| S 28 | 18 11 | 23 9 | 2 53 | 19 13 | 2 53 | 13 23 | 6 25 | 23 8 | 0 38 | 15 7 | 0 34 | 8 17 | 2 25 | 7 8 | 0 49 | 21 56 | 1 11 | 4 55 | 17 5 | 23 13 | 23 8 | 20 23 | 15 36 | 3 27 |
| M29 | 17 55 | 20 18 | 3 54 | 19 21 | 2 45 | 13 21 | 6 34 | 23 4 | 0 39 | 15 3 | 0 34 | 8 18 | 2 25 | 7 8 | 0 49 | 21 56 | 1 11 | 4 55 | 17 5 | 23 12 | 23 8 | 20 22 | 15 36 | 3 27 |
| T 30 | 17 39 | 16 2 | 4 39 | 19 28 | 2 36 | 13 21 | 6 41 | 22 59 | 0 39 | 14 59 | 0 34 | 8 19 | 2 24 | 7 9 | 0 49 | 21 56 | 1 11 | 4 56 | 17 6 | 23 12 | 23 8 | 20 20 | 15 36 | 3 27 |
| W31 | 17s22 | 10s48 | 5s 3 | 19s35 | 2n26 | 13s20 | 6n49 | 22s54 | 0s40 | 14s54 | 0s34 | 8n21 | 2s24 | 7n10 | 0n49 | 21s56 | 1n11 | 4n56 | 17n 7 | 23n12 | 23n 7 | 20n19 | 15n36 | 3s27 |

Julian Day Number = 2805830.5, Delta T = 51m40s
Ecliptic obliquity = 23°18'49, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°19'06, Lahiri = 37°26'07


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# ASTRODIENST EPHEMERIS for the year 2970
# geocentric

## FEBRUARY 2970 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 46 34 | 12♒ 2'22 | 29♓ 5 | 19♑16 | 29°R44 | 17♑41 | 21♒25 | 27♈44 | 13°R34 | 7♑34 | 29°R 7 | 24°R20 | 22♊51 | 14♌22 | 25°R 8 | T 1 |
| F 2 | 8 50 30 | 13° 3'26 | 13♈25 | 19°48 | 29♑15 | 18°25 | 21°39 | 27°48 | 13♍32 | 7°36 | 29♎ 7 | 24♊14 | 22°47 | 14°29 | 25♉ 8 | F 2 |
| S 3 | 8 54 27 | 14° 4'30 | 27°16 | 20°25 | 28°49 | 19°10 | 21°54 | 27°52 | 13°30 | 7°38 | 29° 7 | 24°11 | 22°44 | 14°35 | 25°D 8 | S 3 |
| S 4 | 8 58 24 | 15° 5'33 | 10♉38 | 21° 8 | 28°24 | 19°54 | 22° 8 | 27°55 | 13°28 | 7°40 | 29° 7 | 24°D 9 | 22°41 | 14°42 | 25° 8 | S 4 |
| M 5 | 9 2 20 | 16° 6'35 | 23°34 | 21°55 | 28° 2 | 20°38 | 22°22 | 27°59 | 13°26 | 7°42 | 29° 7 | 24° 9 | 22°38 | 14°49 | 25° 8 | M 5 |
| T 6 | 9 6 17 | 17° 7'36 | 6♊ 9 | 22°46 | 27°42 | 21°23 | 22°36 | 28° 3 | 13°23 | 7°44 | 29° 7 | 24°10 | 22°35 | 14°55 | 25° 8 | T 6 |
| W 7 | 9 10 13 | 18° 8'36 | 18°26 | 23°40 | 27°24 | 22° 7 | 22°50 | 28° 7 | 13°21 | 7°46 | 29° 7 | 24°R11 | 22°31 | 15° 2 | 25° 8 | W 7 |
| T 8 | 9 14 10 | 19° 9'35 | 0♋31 | 24°38 | 27° 9 | 22°51 | 23° 5 | 28°11 | 13°19 | 7°48 | 29° 6 | 24°11 | 22°28 | 15° 9 | 25° 8 | T 8 |
| F 9 | 9 18 6 | 20°10'34 | 12°27 | 25°39 | 26°56 | 23°36 | 23°19 | 28°16 | 13°16 | 7°49 | 29° 6 | 24° 9 | 22°25 | 15°15 | 25° 9 | F 9 |
| S 10 | 9 22 3 | 21°11'32 | 24°19 | 26°43 | 26°46 | 24°20 | 23°33 | 28°20 | 13°14 | 7°51 | 29° 6 | 24° 5 | 22°22 | 15°22 | 25° 9 | S 10 |
| S 11 | 9 25 59 | 22°12'28 | 6♌ 9 | 27°49 | 26°38 | 25° 5 | 23°47 | 28°24 | 13°12 | 7°53 | 29° 5 | 23°58 | 22°19 | 15°29 | 25°10 | S 11 |
| M12 | 9 29 56 | 23°13'24 | 18° 0 | 28°57 | 26°33 | 25°49 | 24° 1 | 28°29 | 13° 9 | 7°55 | 29° 5 | 23°48 | 22°16 | 15°36 | 25°10 | M12 |
| T 13 | 9 33 53 | 24°14'19 | 29°52 | 0♒ 7 | 26°30 | 26°34 | 24°16 | 28°33 | 13° 7 | 7°56 | 29° 4 | 23°37 | 22°12 | 15°42 | 25°11 | T 13 |
| W14 | 9 37 49 | 25°15'13 | 11♍48 | 1°20 | 26°D29 | 27°19 | 24°30 | 28°38 | 13° 4 | 7°58 | 29° 4 | 23°24 | 22° 9 | 15°49 | 25°11 | W14 |
| T 15 | 9 41 46 | 26°16'06 | 23°49 | 2°34 | 26°31 | 28° 3 | 24°44 | 28°43 | 13° 2 | 8° 0 | 29° 3 | 23°12 | 22° 6 | 15°56 | 25°12 | T 15 |
| F 16 | 9 45 42 | 27°16'59 | 5♎56 | 3°49 | 26°36 | 28°48 | 24°58 | 28°47 | 12°59 | 8° 1 | 29° 3 | 23° 1 | 22° 3 | 16° 2 | 25°13 | F 16 |
| S 17 | 9 49 39 | 28°17'50 | 18°12 | 5° 6 | 26°42 | 29°33 | 25°13 | 28°52 | 12°57 | 8° 3 | 29° 2 | 22°51 | 22° 0 | 16° 9 | 25°14 | S 17 |
| S 18 | 9 53 35 | 29°18'41 | 0♏38 | 6°25 | 26°52 | 0♒18 | 25°27 | 28°57 | 12°54 | 8° 5 | 29° 2 | 22°45 | 21°56 | 16°16 | 25°14 | S 18 |
| M19 | 9 57 32 | 0♓19'31 | 13°17 | 7°45 | 27° 3 | 1° 3 | 25°41 | 29° 2 | 12°52 | 8° 6 | 29° 1 | 22°41 | 21°53 | 16°22 | 25°15 | M19 |
| T 20 | 10 1 28 | 1°20'20 | 26°14 | 9° 6 | 27°16 | 1°47 | 25°55 | 29° 7 | 12°49 | 8° 8 | 29° 0 | 22°D40 | 21°50 | 16°29 | 25°16 | T 20 |
| W21 | 10 5 25 | 2°21'09 | 9♐31 | 10°28 | 27°32 | 2°32 | 26°10 | 29°12 | 12°47 | 8° 9 | 29° 0 | 22°40 | 21°47 | 16°36 | 25°18 | W21 |
| T 22 | 10 9 22 | 3°21'57 | 23°12 | 11°51 | 27°49 | 3°17 | 26°24 | 29°18 | 12°44 | 8°11 | 28°59 | 22°R40 | 21°44 | 16°42 | 25°19 | T 22 |
| F 23 | 10 13 18 | 4°22'44 | 7♑19 | 13°15 | 28° 9 | 4° 2 | 26°38 | 29°23 | 12°42 | 8°12 | 28°58 | 22°39 | 21°41 | 16°49 | 25°20 | F 23 |
| S 24 | 10 17 15 | 5°23'30 | 21°51 | 14°41 | 28°30 | 4°47 | 26°52 | 29°28 | 12°39 | 8°14 | 28°57 | 22°37 | 21°37 | 16°56 | 25°21 | S 24 |
| S 25 | 10 21 11 | 6°24'15 | 6♒46 | 16° 7 | 28°54 | 5°32 | 27° 6 | 29°34 | 12°36 | 8°15 | 28°57 | 22°31 | 21°34 | 17° 3 | 25°22 | S 25 |
| M26 | 10 25 8 | 7°24'59 | 21°56 | 17°35 | 29°19 | 6°17 | 27°20 | 29°39 | 12°34 | 8°16 | 28°56 | 22°23 | 21°31 | 17° 9 | 25°24 | M26 |
| T 27 | 10 29 4 | 8°25'42 | 7♓11 | 19° 3 | 29°46 | 7° 3 | 27°35 | 29°45 | 12°31 | 8°18 | 28°55 | 22°12 | 21°28 | 17°16 | 25°25 | T 27 |
| W28 | 10 33 1 | 9♓26'23 | 22♓22 | 20♒32 | 0♒14 | 7♒48 | 27♒49 | 29♈51 | 12♍28 | 8♑19 | 28♎54 | 22♊ 0 | 21♊25 | 17♌23 | 25♉27 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s 6 | 5s 3 | 5s 7 | 19s41 | 2n17 | 13s20 | 6n55 | 22s49 | 0s40 | 14s50 | 0s34 | 8n22 | 2s24 | 7n11 | 0n49 | 21s55 | 1n11 | 4n57 | 17n 7 | 23n12 | 23n 7 | 20n18 | 15n36 | 3s27 |
| F 2 | 16 49 | 0n48 | 4 51 | 19 47 | 2 6 | 13 20 | 7 0 | 22 44 | 0 41 | 14 45 | 0 34 | 8 24 | 2 24 | 7 12 | 0 49 | 21 55 | 1 11 | 4 57 | 17 8 | 23 11 | 23 7 | 20 16 | 15 36 | 3 27 |
| S 3 | 16 31 | 6 25 | 4 18 | 19 51 | 1 56 | 13 21 | 7 5 | 22 38 | 0 42 | 14 41 | 0 34 | 8 25 | 2 23 | 7 13 | 0 49 | 21 55 | 1 11 | 4 58 | 17 8 | 23 11 | 23 7 | 20 15 | 15 36 | 3 27 |
| S 4 | 16 13 | 11 34 | 3 33 | 19 55 | 1 46 | 13 22 | 7 9 | 22 33 | 0 42 | 14 36 | 0 34 | 8 27 | 2 23 | 7 13 | 0 49 | 21 55 | 1 11 | 4 59 | 17 9 | 23 11 | 23 7 | 20 13 | 15 36 | 3 27 |
| M 5 | 15 56 | 16 2 | 2 37 | 19 58 | 1 35 | 13 23 | 7 12 | 22 27 | 0 43 | 14 32 | 0 34 | 8 29 | 2 23 | 7 14 | 0 49 | 21 55 | 1 11 | 4 59 | 17 10 | 23 11 | 23 7 | 20 12 | 15 36 | 3 26 |
| T 6 | 15 37 | 19 39 | 1 36 | 20 1 | 1 25 | 13 25 | 7 14 | 22 20 | 0 43 | 14 27 | 0 35 | 8 30 | 2 23 | 7 15 | 0 49 | 21 55 | 1 11 | 5 0 | 17 10 | 23 11 | 23 6 | 20 10 | 15 36 | 3 26 |
| W 7 | 15 19 | 22 18 | 0 31 | 20 2 | 1 14 | 13 27 | 7 15 | 22 14 | 0 44 | 14 23 | 0 35 | 8 32 | 2 22 | 7 16 | 0 49 | 21 55 | 1 11 | 5 0 | 17 11 | 23 11 | 23 6 | 20 9 | 15 37 | 3 26 |
| T 8 | 15 0 | 23 53 | 0n34 | 20 2 | 1 4 | 13 29 | 7 16 | 22 7 | 0 45 | 14 18 | 0 35 | 8 33 | 2 22 | 7 17 | 0 49 | 21 55 | 1 11 | 5 1 | 17 11 | 23 11 | 23 6 | 20 7 | 15 37 | 3 26 |
| F 9 | 14 41 | 24 20 | 1 36 | 20 1 | 0 54 | 13 31 | 7 16 | 22 0 | 0 45 | 14 13 | 0 35 | 8 35 | 2 22 | 7 18 | 0 49 | 21 54 | 1 11 | 5 2 | 17 12 | 23 11 | 23 6 | 20 6 | 15 37 | 3 26 |
| S 10 | 14 22 | 23 40 | 2 34 | 19 59 | 0 44 | 13 33 | 7 16 | 21 53 | 0 46 | 14 9 | 0 35 | 8 37 | 2 22 | 7 19 | 0 49 | 21 54 | 1 11 | 5 2 | 17 12 | 23 11 | 23 6 | 20 4 | 15 37 | 3 26 |
| S 11 | 14 2 | 21 57 | 3 25 | 19 56 | 0 34 | 13 36 | 7 15 | 21 46 | 0 46 | 14 4 | 0 35 | 8 39 | 2 22 | 7 20 | 0 49 | 21 54 | 1 11 | 5 3 | 17 13 | 23 11 | 23 6 | 20 3 | 15 38 | 3 26 |
| M12 | 13 42 | 19 16 | 4 7 | 19 51 | 0 25 | 13 38 | 7 13 | 21 38 | 0 47 | 14 0 | 0 35 | 8 40 | 2 21 | 7 21 | 0 49 | 21 54 | 1 11 | 5 4 | 17 13 | 23 10 | 23 5 | 20 1 | 15 38 | 3 25 |
| T 13 | 13 22 | 15 47 | 4 38 | 19 46 | 0 16 | 13 41 | 7 11 | 21 31 | 0 48 | 13 55 | 0 35 | 8 42 | 2 21 | 7 22 | 0 49 | 21 54 | 1 11 | 5 4 | 17 14 | 23 10 | 23 5 | 20 0 | 15 38 | 3 25 |
| W14 | 13 2 | 11 40 | 4 57 | 19 39 | 0 6 | 13 44 | 7 8 | 21 22 | 0 48 | 13 50 | 0 35 | 8 44 | 2 21 | 7 23 | 0 49 | 21 54 | 1 11 | 5 5 | 17 15 | 23 9 | 23 5 | 19 58 | 15 38 | 3 25 |
| T 15 | 12 42 | 7 5 | 5 3 | 19 32 | 0s 2 | 13 46 | 7 5 | 21 14 | 0 49 | 13 46 | 0 35 | 8 46 | 2 21 | 7 24 | 0 49 | 21 54 | 1 11 | 5 6 | 17 15 | 23 8 | 23 5 | 19 57 | 15 39 | 3 25 |
| F 16 | 12 21 | 2 11 | 4 55 | 19 23 | 0 11 | 13 49 | 7 2 | 21 6 | 0 49 | 13 41 | 0 35 | 8 48 | 2 20 | 7 25 | 0 49 | 21 54 | 1 11 | 5 6 | 17 16 | 23 8 | 23 5 | 19 55 | 15 39 | 3 25 |
| S 17 | 12 0 | 2s52 | 4 34 | 19 12 | 0 20 | 13 52 | 6 58 | 20 57 | 0 50 | 13 36 | 0 35 | 8 50 | 2 20 | 7 25 | 0 49 | 21 54 | 1 11 | 5 7 | 17 16 | 23 7 | 23 4 | 19 54 | 15 39 | 3 25 |
| S 18 | 11 39 | 7 53 | 4 0 | 19 1 | 0 28 | 13 54 | 6 54 | 20 48 | 0 50 | 13 32 | 0 35 | 8 52 | 2 20 | 7 26 | 0 49 | 21 53 | 1 11 | 5 8 | 17 17 | 23 7 | 23 4 | 19 52 | 15 40 | 3 25 |
| M19 | 11 18 | 12 40 | 3 13 | 18 49 | 0 36 | 13 57 | 6 49 | 20 39 | 0 51 | 13 27 | 0 36 | 8 54 | 2 20 | 7 27 | 0 49 | 21 53 | 1 11 | 5 8 | 17 17 | 23 7 | 23 4 | 19 51 | 15 40 | 3 25 |
| T 20 | 10 57 | 17 1 | 2 16 | 18 35 | 0 43 | 13 59 | 6 44 | 20 30 | 0 52 | 13 22 | 0 36 | 8 56 | 2 20 | 7 28 | 0 49 | 21 53 | 1 11 | 5 9 | 17 18 | 23 7 | 23 4 | 19 49 | 15 40 | 3 24 |
| W21 | 10 35 | 20 37 | 1 9 | 18 20 | 0 51 | 14 1 | 6 39 | 20 20 | 0 52 | 13 18 | 0 36 | 8 58 | 2 19 | 7 29 | 0 49 | 21 53 | 1 11 | 5 10 | 17 18 | 23 7 | 23 4 | 19 48 | 15 41 | 3 24 |
| T 22 | 10 13 | 23 11 | 0s 3 | 18 4 | 0 58 | 14 4 | 6 33 | 20 10 | 0 53 | 13 13 | 0 36 | 9 0 | 2 19 | 7 30 | 0 49 | 21 53 | 1 11 | 5 11 | 17 19 | 23 7 | 23 3 | 19 46 | 15 41 | 3 24 |
| F 23 | 9 51 | 24 24 | 1 17 | 17 47 | 1 4 | 14 5 | 6 27 | 20 0 | 0 53 | 13 8 | 0 36 | 9 2 | 2 19 | 7 31 | 0 49 | 21 53 | 1 11 | 5 11 | 17 19 | 23 7 | 23 3 | 19 44 | 15 41 | 3 24 |
| S 24 | 9 29 | 23 59 | 2 28 | 17 28 | 1 11 | 14 7 | 6 22 | 19 50 | 0 54 | 13 3 | 0 36 | 9 4 | 2 19 | 7 32 | 0 49 | 21 53 | 1 11 | 5 12 | 17 20 | 23 7 | 23 3 | 19 43 | 15 42 | 3 24 |
| S 25 | 9 7 | 21 53 | 3 31 | 17 9 | 1 17 | 14 9 | 6 15 | 19 40 | 0 54 | 12 59 | 0 36 | 9 6 | 2 19 | 7 33 | 0 49 | 21 53 | 1 11 | 5 13 | 17 20 | 23 6 | 23 3 | 19 41 | 15 42 | 3 24 |
| M26 | 8 45 | 18 13 | 4 20 | 16 48 | 1 23 | 14 10 | 6 9 | 19 29 | 0 55 | 12 54 | 0 36 | 9 8 | 2 18 | 7 34 | 0 49 | 21 52 | 1 11 | 5 13 | 17 21 | 23 6 | 23 3 | 19 40 | 15 43 | 3 24 |
| T 27 | 8 22 | 13 19 | 4 51 | 16 26 | 1 28 | 14 11 | 6 3 | 19 19 | 0 55 | 12 49 | 0 36 | 9 10 | 2 18 | 7 35 | 0 49 | 21 52 | 1 11 | 5 14 | 17 21 | 23 5 | 23 2 | 19 38 | 15 43 | 3 24 |
| W28 | 7s59 | 7s37 | 5s 1 | 16s 3 | 1s34 | 14s11 | 5n56 | 19s 8 | 0s56 | 12s44 | 0s36 | 9n12 | 2s18 | 7n36 | 0n49 | 21s52 | 1n11 | 5n15 | 17n22 | 23n 4 | 23n 2 | 19n37 | 15n44 | 3s23 |

Julian Day Number = 2805861.5, Delta T = 51m40s
Ecliptic obliquity = 23°18'50, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°19'11, Lahiri = 37°26'11


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# ASTRODIENST EPHEMERIS for the year 2970
# geocentric

## MARCH 2970 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 36 57 | 10♓27'03 | 7♈17 | 22♒ 3 | 0♒44 | 8♒33 | 28♒ 3 | 29♈56 | 12°R26 | 8♑20 | 28°R53 | 21°R49 | 21♊22 | 17♌29 | 25♉28 | T 1 |
| F 2 | 10 40 54 | 11°27'42 | 21°47 | 23°34 | 1°16 | 9°18 | 28°17 | 0♉ 2 | 12♍23 | 8°22 | 28♎52 | 21♊40 | 21°18 | 17°36 | 25°30 | F 2 |
| S 3 | 10 44 51 | 12°28'19 | 5♉48 | 25° 6 | 1°49 | 10° 3 | 28°31 | 0° 8 | 12°21 | 8°23 | 28°51 | 21°33 | 21°15 | 17°43 | 25°32 | S 3 |
| S 4 | 10 48 47 | 13°28'54 | 19°19 | 26°39 | 2°23 | 10°49 | 28°45 | 0°14 | 12°18 | 8°24 | 28°50 | 21°29 | 21°12 | 17°49 | 25°33 | S 4 |
| M 5 | 10 52 44 | 14°29'27 | 2♊21 | 28°13 | 2°59 | 11°34 | 28°59 | 0°20 | 12°15 | 8°25 | 28°49 | 21°27 | 21° 9 | 17°56 | 25°35 | M 5 |
| T 6 | 10 56 40 | 15°29'59 | 14°59 | 29°47 | 3°36 | 12°19 | 29°13 | 0°26 | 12°13 | 8°26 | 28°48 | 21°27 | 21° 6 | 18° 3 | 25°37 | T 6 |
| W 7 | 11 0 37 | 16°30'30 | 27°16 | 1♓23 | 4°14 | 13° 5 | 29°27 | 0°32 | 12°10 | 8°28 | 28°47 | 21°27 | 21° 2 | 18°10 | 25°39 | W 7 |
| T 8 | 11 4 33 | 17°30'58 | 9♋19 | 3° 0 | 4°53 | 13°50 | 29°41 | 0°38 | 12° 7 | 8°29 | 28°46 | 21°26 | 20°59 | 18°16 | 25°41 | T 8 |
| F 9 | 11 8 30 | 18°31'25 | 21°13 | 4°37 | 5°34 | 14°36 | 29°55 | 0°44 | 12° 5 | 8°30 | 28°44 | 21°23 | 20°56 | 18°23 | 25°43 | F 9 |
| S 10 | 11 12 26 | 19°31'50 | 3♌ 3 | 6°16 | 6°16 | 15°21 | 0♓ 9 | 0°51 | 12° 2 | 8°31 | 28°43 | 21°17 | 20°53 | 18°30 | 25°45 | S 10 |
| S 11 | 11 16 23 | 20°32'13 | 14°52 | 7°55 | 6°59 | 16° 6 | 0°22 | 0°57 | 12° 0 | 8°32 | 28°42 | 21° 9 | 20°50 | 18°36 | 25°47 | S 11 |
| M12 | 11 20 20 | 21°32'34 | 26°43 | 9°36 | 7°42 | 16°52 | 0°36 | 1° 3 | 11°57 | 8°33 | 28°41 | 20°57 | 20°47 | 18°43 | 25°49 | M12 |
| T 13 | 11 24 16 | 22°32'54 | 8♍40 | 11°17 | 8°27 | 17°38 | 0°50 | 1°10 | 11°54 | 8°34 | 28°40 | 20°44 | 20°43 | 18°50 | 25°51 | T 13 |
| W14 | 11 28 13 | 23°33'11 | 20°43 | 12°59 | 9°13 | 18°23 | 1° 4 | 1°16 | 11°52 | 8°35 | 28°38 | 20°29 | 20°40 | 18°56 | 25°53 | W14 |
| T 15 | 11 32 9 | 24°33'28 | 2♎54 | 14°43 | 10° 0 | 19° 9 | 1°17 | 1°23 | 11°49 | 8°35 | 28°37 | 20°15 | 20°37 | 19° 3 | 25°56 | T 15 |
| F 16 | 11 36 6 | 25°33'42 | 15°14 | 16°27 | 10°47 | 19°54 | 1°31 | 1°29 | 11°47 | 8°36 | 28°36 | 20° 2 | 20°34 | 19°10 | 25°58 | F 16 |
| S 17 | 11 40 2 | 26°33'55 | 27°42 | 18°13 | 11°36 | 20°40 | 1°45 | 1°36 | 11°44 | 8°37 | 28°34 | 19°51 | 20°31 | 19°17 | 26° 0 | S 17 |
| S 18 | 11 43 59 | 27°34'06 | 10♏20 | 19°59 | 12°25 | 21°26 | 1°58 | 1°43 | 11°42 | 8°38 | 28°33 | 19°43 | 20°28 | 19°23 | 26° 3 | S 18 |
| M19 | 11 47 55 | 28°34'16 | 23°10 | 21°47 | 13°15 | 22°11 | 2°12 | 1°49 | 11°39 | 8°39 | 28°32 | 19°38 | 20°24 | 19°30 | 26° 5 | M19 |
| T 20 | 11 51 52 | 29°34'25 | 6♐13 | 23°35 | 14° 5 | 22°57 | 2°25 | 1°56 | 11°37 | 8°39 | 28°30 | 19°35 | 20°21 | 19°37 | 26° 8 | T 20 |
| W21 | 11 55 48 | 0♈34'32 | 19°31 | 25°25 | 14°57 | 23°43 | 2°39 | 2° 3 | 11°34 | 8°40 | 28°29 | 19°D35 | 20°18 | 19°43 | 26°10 | W21 |
| T 22 | 11 59 45 | 1°34'37 | 3♑ 7 | 27°16 | 15°49 | 24°29 | 2°52 | 2°10 | 11°32 | 8°41 | 28°27 | 19°R35 | 20°15 | 19°50 | 26°13 | T 22 |
| F 23 | 12 3 42 | 2°34'41 | 17° 2 | 29° 7 | 16°42 | 25°14 | 3° 5 | 2°17 | 11°29 | 8°41 | 28°26 | 19°34 | 20°12 | 19°57 | 26°16 | F 23 |
| S 24 | 12 7 38 | 3°34'44 | 1♒18 | 1♈ 0 | 17°35 | 26° 0 | 3°19 | 2°24 | 11°27 | 8°42 | 28°24 | 19°32 | 20° 8 | 20° 3 | 26°19 | S 24 |
| S 25 | 12 11 35 | 4°34'45 | 15°52 | 2°54 | 18°29 | 26°46 | 3°32 | 2°31 | 11°25 | 8°42 | 28°23 | 19°27 | 20° 5 | 20°10 | 26°21 | S 25 |
| M26 | 12 15 31 | 5°34'44 | 0♓41 | 4°49 | 19°24 | 27°32 | 3°45 | 2°38 | 11°22 | 8°43 | 28°21 | 19°19 | 20° 2 | 20°17 | 26°24 | M26 |
| T 27 | 12 19 28 | 6°34'41 | 15°37 | 6°45 | 20°19 | 28°18 | 3°58 | 2°45 | 11°20 | 8°43 | 28°20 | 19° 9 | 19°59 | 20°24 | 26°27 | T 27 |
| W28 | 12 23 24 | 7°34'37 | 0♈32 | 8°42 | 21°15 | 29° 4 | 4°11 | 2°52 | 11°18 | 8°44 | 28°18 | 18°58 | 19°56 | 20°30 | 26°30 | W28 |
| T 29 | 12 27 21 | 8°34'31 | 15°17 | 10°39 | 22°11 | 29°50 | 4°24 | 2°59 | 11°15 | 8°44 | 28°17 | 18°47 | 19°53 | 20°37 | 26°33 | T 29 |
| F 30 | 12 31 17 | 9°34'23 | 29°43 | 12°38 | 23° 8 | 0♓36 | 4°37 | 3° 6 | 11°13 | 8°45 | 28°15 | 18°38 | 19°49 | 20°44 | 26°36 | F 30 |
| S 31 | 12 35 14 | 10♈34'13 | 13♉44 | 14♈37 | 24♒ 5 | 1♓22 | 4♓50 | 3♉13 | 11♍11 | 8♑45 | 28♎14 | 18♊31 | 19♊46 | 20♌50 | 26♉39 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7s37 | 1s34 | 4s50 | 15s39 | 1s39 | 14s12 | 5n49 | 18s56 | 0s57 | 12s40 | 0s36 | 9n14 | 2s18 | 7n37 | 0n49 | 21s52 | 1n11 | 5n16 | 17n22 | 23n 4 | 23n 2 | 19n35 | 15n44 | 3s23 |
| F 2 | 7 14 | 4n24 | 4 21 | 15 13 | 1 43 | 14 12 | 5 42 | 18 45 | 0 57 | 12 35 | 0 37 | 9 17 | 2 18 | 7 38 | 0 49 | 21 52 | 1 11 | 5 16 | 17 23 | 23 3 | 23 2 | 19 33 | 15 45 | 3 23 |
| S 3 | 6 51 | 9 59 | 3 36 | 14 47 | 1 48 | 14 12 | 5 35 | 18 34 | 0 58 | 12 30 | 0 37 | 9 19 | 2 17 | 7 39 | 0 49 | 21 52 | 1 11 | 5 17 | 17 23 | 23 3 | 23 2 | 19 32 | 15 45 | 3 23 |
| S 4 | 6 28 | 14 53 | 2 41 | 14 19 | 1 51 | 14 11 | 5 28 | 18 22 | 0 58 | 12 25 | 0 37 | 9 21 | 2 17 | 7 40 | 0 49 | 21 52 | 1 11 | 5 18 | 17 24 | 23 3 | 23 1 | 19 30 | 15 46 | 3 23 |
| M 5 | 6 4 | 18 54 | 1 39 | 13 50 | 1 55 | 14 10 | 5 21 | 18 10 | 0 59 | 12 21 | 0 37 | 9 23 | 2 17 | 7 41 | 0 49 | 21 52 | 1 11 | 5 19 | 17 24 | 23 2 | 23 1 | 19 28 | 15 46 | 3 23 |
| T 6 | 5 41 | 21 54 | 0 34 | 13 20 | 1 58 | 14 9 | 5 14 | 17 58 | 0 59 | 12 16 | 0 37 | 9 25 | 2 17 | 7 42 | 0 49 | 21 52 | 1 11 | 5 19 | 17 24 | 23 2 | 23 1 | 19 27 | 15 47 | 3 23 |
| W 7 | 5 18 | 23 48 | 0n31 | 12 49 | 2 1 | 14 7 | 5 7 | 17 46 | 1 0 | 12 11 | 0 37 | 9 28 | 2 17 | 7 43 | 0 49 | 21 52 | 1 11 | 5 20 | 17 25 | 23 2 | 23 1 | 19 25 | 15 47 | 3 23 |
| T 8 | 4 54 | 24 32 | 1 33 | 12 17 | 2 4 | 14 6 | 5 0 | 17 33 | 1 0 | 12 6 | 0 37 | 9 30 | 2 17 | 7 44 | 0 49 | 21 51 | 1 11 | 5 21 | 17 25 | 23 2 | 23 1 | 19 24 | 15 48 | 3 22 |
| F 9 | 4 31 | 24 8 | 2 30 | 11 43 | 2 6 | 14 3 | 4 52 | 17 20 | 1 1 | 12 2 | 0 37 | 9 32 | 2 16 | 7 45 | 0 49 | 21 51 | 1 11 | 5 22 | 17 26 | 23 2 | 23 0 | 19 22 | 15 48 | 3 22 |
| S 10 | 4 7 | 22 38 | 3 21 | 11 9 | 2 8 | 14 0 | 4 45 | 17 8 | 1 1 | 11 57 | 0 37 | 9 35 | 2 16 | 7 46 | 0 49 | 21 51 | 1 11 | 5 23 | 17 26 | 23 2 | 23 0 | 19 20 | 15 49 | 3 22 |
| S 11 | 3 44 | 20 9 | 4 2 | 10 33 | 2 9 | 13 57 | 4 37 | 16 55 | 1 2 | 11 52 | 0 37 | 9 37 | 2 16 | 7 47 | 0 49 | 21 51 | 1 11 | 5 23 | 17 26 | 23 1 | 23 0 | 19 19 | 15 50 | 3 22 |
| M12 | 3 20 | 16 50 | 4 33 | 9 56 | 2 10 | 13 54 | 4 30 | 16 41 | 1 2 | 11 47 | 0 38 | 9 39 | 2 16 | 7 48 | 0 49 | 21 51 | 1 12 | 5 24 | 17 27 | 23 0 | 23 0 | 19 17 | 15 50 | 3 22 |
| T 13 | 2 57 | 12 48 | 4 53 | 9 19 | 2 11 | 13 50 | 4 23 | 16 28 | 1 3 | 11 43 | 0 38 | 9 42 | 2 16 | 7 49 | 0 49 | 21 51 | 1 12 | 5 25 | 17 27 | 23 0 | 22 59 | 19 15 | 15 51 | 3 22 |
| W14 | 2 33 | 8 15 | 4 59 | 8 40 | 2 11 | 13 45 | 4 15 | 16 15 | 1 3 | 11 38 | 0 38 | 9 44 | 2 16 | 7 50 | 0 49 | 21 51 | 1 12 | 5 26 | 17 28 | 22 59 | 22 59 | 19 14 | 15 51 | 3 22 |
| T 15 | 2 9 | 3 19 | 4 52 | 8 0 | 2 10 | 13 40 | 4 8 | 16 1 | 1 4 | 11 33 | 0 38 | 9 46 | 2 16 | 7 51 | 0 49 | 21 51 | 1 12 | 5 26 | 17 28 | 22 57 | 22 59 | 19 12 | 15 52 | 3 22 |
| F 16 | 1 45 | 1s47 | 4 31 | 7 19 | 2 10 | 13 35 | 4 0 | 15 47 | 1 4 | 11 28 | 0 38 | 9 49 | 2 15 | 7 52 | 0 49 | 21 51 | 1 12 | 5 27 | 17 28 | 22 57 | 22 59 | 19 10 | 15 53 | 3 22 |
| S 17 | 1 22 | 6 54 | 3 57 | 6 37 | 2 8 | 13 29 | 3 53 | 15 33 | 1 5 | 11 24 | 0 38 | 9 51 | 2 15 | 7 53 | 0 49 | 21 51 | 1 12 | 5 28 | 17 29 | 22 56 | 22 59 | 19 9 | 15 53 | 3 22 |
| S 18 | 0 58 | 11 49 | 3 11 | 5 54 | 2 7 | 13 23 | 3 45 | 15 19 | 1 5 | 11 19 | 0 38 | 9 53 | 2 15 | 7 54 | 0 49 | 21 51 | 1 12 | 5 29 | 17 29 | 22 55 | 22 58 | 19 7 | 15 54 | 3 21 |
| M19 | 0 34 | 16 18 | 2 15 | 5 9 | 2 5 | 13 16 | 3 38 | 15 5 | 1 6 | 11 14 | 0 38 | 9 56 | 2 15 | 7 55 | 0 49 | 21 50 | 1 12 | 5 29 | 17 29 | 22 55 | 22 58 | 19 5 | 15 55 | 3 21 |
| T 20 | 0 10 | 20 5 | 1 10 | 4 24 | 2 2 | 13 9 | 3 31 | 14 50 | 1 6 | 11 9 | 0 39 | 9 58 | 2 15 | 7 56 | 0 49 | 21 50 | 1 12 | 5 30 | 17 30 | 22 55 | 22 58 | 19 4 | 15 55 | 3 21 |
| W21 | 0n14 | 22 54 | 0 0 | 3 38 | 1 59 | 13 1 | 3 23 | 14 36 | 1 7 | 11 5 | 0 39 | 10 1 | 2 15 | 7 57 | 0 49 | 21 50 | 1 12 | 5 31 | 17 30 | 22 54 | 22 58 | 19 2 | 15 56 | 3 21 |
| T 22 | 0 37 | 24 28 | 1s11 | 2 51 | 1 56 | 12 53 | 3 16 | 14 21 | 1 7 | 11 0 | 0 39 | 10 3 | 2 15 | 7 58 | 0 49 | 21 50 | 1 12 | 5 32 | 17 30 | 22 54 | 22 57 | 19 0 | 15 57 | 3 21 |
| F 23 | 1 1 | 24 33 | 2 20 | 2 3 | 1 52 | 12 45 | 3 9 | 14 6 | 1 8 | 10 55 | 0 39 | 10 6 | 2 15 | 7 59 | 0 49 | 21 50 | 1 12 | 5 33 | 17 30 | 22 54 | 22 57 | 18 58 | 15 57 | 3 21 |
| S 24 | 1 25 | 23 3 | 3 22 | 1 14 | 1 47 | 12 36 | 3 1 | 13 51 | 1 8 | 10 51 | 0 39 | 10 8 | 2 14 | 8 0 | 0 49 | 21 50 | 1 12 | 5 33 | 17 31 | 22 54 | 22 57 | 18 57 | 15 58 | 3 21 |
| S 25 | 1 49 | 20 0 | 4 12 | 0 25 | 1 42 | 12 27 | 2 54 | 13 36 | 1 9 | 10 46 | 0 39 | 10 11 | 2 14 | 8 1 | 0 49 | 21 50 | 1 12 | 5 34 | 17 31 | 22 54 | 22 57 | 18 55 | 15 59 | 3 21 |
| M26 | 2 12 | 15 38 | 4 46 | 0n26 | 1 36 | 12 17 | 2 47 | 13 21 | 1 9 | 10 41 | 0 39 | 10 13 | 2 14 | 8 1 | 0 49 | 21 50 | 1 12 | 5 35 | 17 31 | 22 53 | 22 57 | 18 53 | 15 59 | 3 21 |
| T 27 | 2 36 | 10 16 | 5 1 | 1 17 | 1 30 | 12 6 | 2 40 | 13 6 | 1 10 | 10 37 | 0 39 | 10 16 | 2 14 | 8 2 | 0 49 | 21 50 | 1 12 | 5 36 | 17 32 | 22 52 | 22 56 | 18 52 | 16 0 | 3 21 |
| W28 | 2 59 | 4 18 | 4 55 | 2 9 | 1 23 | 11 56 | 2 33 | 12 50 | 1 10 | 10 32 | 0 40 | 10 18 | 2 14 | 8 3 | 0 49 | 21 50 | 1 12 | 5 36 | 17 32 | 22 52 | 22 56 | 18 50 | 16 1 | 3 21 |
| T 29 | 3 23 | 1n50 | 4 30 | 3 2 | 1 16 | 11 45 | 2 26 | 12 34 | 1 11 | 10 28 | 0 40 | 10 20 | 2 14 | 8 4 | 0 49 | 21 50 | 1 12 | 5 37 | 17 32 | 22 51 | 22 56 | 18 48 | 16 2 | 3 21 |
| F 30 | 3 46 | 7 45 | 3 48 | 3 55 | 1 8 | 11 33 | 2 19 | 12 19 | 1 11 | 10 23 | 0 40 | 10 23 | 2 14 | 8 5 | 0 49 | 21 50 | 1 12 | 5 38 | 17 32 | 22 50 | 22 56 | 18 46 | 16 2 | 3 20 |
| S 31 | 4n10 | 13n 7 | 2s53 | 4n48 | 1s 0 | 11s21 | 2n12 | 12s 3 | 1s11 | 10s18 | 0s40 | 10n25 | 2s14 | 8n 6 | 0n49 | 21s50 | 1n12 | 5n38 | 17n32 | 22n49 | 22n55 | 18n45 | 16n 3 | 3s20 |

Julian Day Number = 2805889.5, Delta T = 51m41s
Ecliptic obliquity = 23°18'51, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°19'14, Lahiri = 37°26'15


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# ASTRODIENST EPHEMERIS for the year 2970
# geocentric

## APRIL 2970 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 39 11 | 11♈34'01 | 27♉19 | 16♈36 | 25♒ 3 | 2♓ 8 | 5♓ 3 | 3♉20 | 11°R 9 | 8♑45 | 28°R12 | 18°R27 | 19♊43 | 20♌57 | 26♉42 | S 1 |
| M 2 | 12 43 7 | 12°33'47 | 10♊26 | 18°36 | 26° 1 | 2°54 | 5°16 | 3°28 | 11♍ 7 | 8°46 | 28♎11 | 18♊25 | 19°40 | 21° 4 | 26°45 | M 2 |
| T 3 | 12 47 4 | 13°33'31 | 23° 8 | 20°35 | 26°59 | 3°40 | 5°29 | 3°35 | 11° 5 | 8°46 | 28° 9 | 18°D24 | 19°37 | 21°11 | 26°48 | T 3 |
| W 4 | 12 51 0 | 14°33'13 | 5♋30 | 22°35 | 27°58 | 4°26 | 5°41 | 3°42 | 11° 2 | 8°46 | 28° 7 | 18°25 | 19°33 | 21°17 | 26°51 | W 4 |
| T 5 | 12 54 57 | 15°32'52 | 17°36 | 24°34 | 28°58 | 5°12 | 5°54 | 3°49 | 11° 0 | 8°46 | 28° 6 | 18°R25 | 19°30 | 21°24 | 26°54 | T 5 |
| F 6 | 12 58 53 | 16°32'29 | 29°32 | 26°33 | 29°58 | 5°58 | 6° 6 | 3°57 | 10°58 | 8°46 | 28° 4 | 18°24 | 19°27 | 21°31 | 26°58 | F 6 |
| S 7 | 13 2 50 | 17°32'04 | 11♌23 | 28°30 | 0♓58 | 6°44 | 6°19 | 4° 4 | 10°56 | 8°46 | 28° 2 | 18°21 | 19°24 | 21°37 | 27° 1 | S 7 |
| S 8 | 13 6 46 | 18°31'37 | 23°13 | 0♉26 | 1°58 | 7°30 | 6°31 | 4°11 | 10°55 | 8°47 | 28° 1 | 18°16 | 19°21 | 21°44 | 27° 4 | S 8 |
| M 9 | 13 10 43 | 19°31'07 | 5♍ 7 | 2°20 | 2°59 | 8°16 | 6°44 | 4°19 | 10°53 | 8°47 | 27°59 | 18° 8 | 19°18 | 21°51 | 27° 8 | M 9 |
| T 10 | 13 14 40 | 20°30'35 | 17° 9 | 4°13 | 4° 0 | 9° 2 | 6°56 | 4°26 | 10°51 | 8°R47 | 27°57 | 17°58 | 19°14 | 21°57 | 27°11 | T 10 |
| W11 | 13 18 36 | 21°30'01 | 29°20 | 6° 2 | 5° 2 | 9°48 | 7° 8 | 4°34 | 10°49 | 8°47 | 27°56 | 17°48 | 19°11 | 22° 4 | 27°14 | W11 |
| T 12 | 13 22 33 | 22°29'25 | 11♎42 | 7°48 | 6° 3 | 10°34 | 7°20 | 4°41 | 10°47 | 8°47 | 27°54 | 17°37 | 19° 8 | 22°11 | 27°18 | T 12 |
| F 13 | 13 26 29 | 23°28'47 | 24°16 | 9°31 | 7° 6 | 11°20 | 7°32 | 4°49 | 10°45 | 8°46 | 27°52 | 17°28 | 19° 5 | 22°18 | 27°21 | F 13 |
| S 14 | 13 30 26 | 24°28'07 | 7♏ 2 | 11°10 | 8° 8 | 12° 6 | 7°44 | 4°56 | 10°44 | 8°46 | 27°51 | 17°20 | 19° 2 | 22°24 | 27°25 | S 14 |
| S 15 | 13 34 22 | 25°27'25 | 20° 0 | 12°45 | 9°11 | 12°53 | 7°56 | 5° 3 | 10°42 | 8°46 | 27°49 | 17°14 | 18°59 | 22°31 | 27°28 | S 15 |
| M16 | 13 38 19 | 26°26'41 | 3♐ 9 | 14°15 | 10°14 | 13°39 | 8° 8 | 5°11 | 10°40 | 8°46 | 27°47 | 17°11 | 18°55 | 22°38 | 27°32 | M16 |
| T 17 | 13 42 15 | 27°25'56 | 16°29 | 15°40 | 11°17 | 14°25 | 8°19 | 5°18 | 10°39 | 8°46 | 27°46 | 17°D10 | 18°52 | 22°44 | 27°35 | T 17 |
| W18 | 13 46 12 | 28°25'09 | 0♑ 1 | 17° 0 | 12°20 | 15°11 | 8°31 | 5°26 | 10°37 | 8°45 | 27°44 | 17°10 | 18°49 | 22°51 | 27°39 | W18 |
| T 19 | 13 50 8 | 29°24'20 | 13°45 | 18°15 | 13°24 | 15°57 | 8°42 | 5°34 | 10°36 | 8°45 | 27°42 | 17°12 | 18°46 | 22°58 | 27°43 | T 19 |
| F 20 | 13 54 5 | 0♉23'29 | 27°41 | 19°23 | 14°28 | 16°44 | 8°54 | 5°41 | 10°34 | 8°45 | 27°41 | 17°R12 | 18°43 | 23° 5 | 27°46 | F 20 |
| S 21 | 13 58 2 | 1°22'37 | 11♒48 | 20°26 | 15°32 | 17°30 | 9° 5 | 5°49 | 10°33 | 8°45 | 27°39 | 17°12 | 18°39 | 23°11 | 27°50 | S 21 |
| S 22 | 14 1 58 | 2°21'43 | 26° 7 | 21°22 | 16°37 | 18°16 | 9°16 | 5°56 | 10°32 | 8°44 | 27°37 | 17°10 | 18°36 | 23°18 | 27°54 | S 22 |
| M23 | 14 5 55 | 3°20'47 | 10♓33 | 22°12 | 17°42 | 19° 2 | 9°28 | 6° 4 | 10°30 | 8°44 | 27°36 | 17° 5 | 18°33 | 23°25 | 27°57 | M23 |
| T 24 | 14 9 51 | 4°19'49 | 25° 3 | 22°56 | 18°47 | 19°48 | 9°39 | 6°11 | 10°29 | 8°43 | 27°34 | 17° 0 | 18°30 | 23°31 | 28° 1 | T 24 |
| W25 | 14 13 48 | 5°18'50 | 9♈31 | 23°33 | 19°52 | 20°35 | 9°50 | 6°19 | 10°28 | 8°43 | 27°32 | 16°53 | 18°27 | 23°38 | 28° 5 | W25 |
| T 26 | 14 17 44 | 6°17'48 | 23°51 | 24° 4 | 20°57 | 21°21 | 10° 0 | 6°26 | 10°27 | 8°42 | 27°31 | 16°47 | 18°24 | 23°45 | 28° 9 | T 26 |
| F 27 | 14 21 41 | 7°16'45 | 7♉57 | 24°28 | 22° 2 | 22° 7 | 10°11 | 6°34 | 10°26 | 8°42 | 27°29 | 16°41 | 18°20 | 23°51 | 28°12 | F 27 |
| S 28 | 14 25 37 | 8°15'40 | 21°45 | 24°45 | 23° 8 | 22°53 | 10°22 | 6°42 | 10°25 | 8°41 | 27°27 | 16°37 | 18°17 | 23°58 | 28°16 | S 28 |
| S 29 | 14 29 34 | 9°14'33 | 5♊11 | 24°56 | 24°14 | 23°40 | 10°32 | 6°49 | 10°24 | 8°41 | 27°26 | 16°35 | 18°14 | 24° 5 | 28°20 | S 29 |
| M30 | 14 33 31 | 10♉13'24 | 18♊15 | 25°R 0 | 25♓20 | 24♓26 | 10♓43 | 6♉57 | 10♍23 | 8♑40 | 27♎24 | 16°D34 | 18♊11 | 24♌12 | 28♉24 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n33 | 17n40 | 1s50 | 5n42 | 0s51 | 11s 8 | 2n 5 | 11s47 | 1s12 | 10s14 | 0s40 | 10n28 | 2s14 | 8n 6 | 0n49 | 21s50 | 1n12 | 5n39 | 17n33 | 22n49 | 22n55 | 18n43 | 16n 4 | 3s20 |
| M 2 | 4 56 | 21 12 | 0 42 | 6 36 | 0 42 | 10 55 | 1 58 | 11 31 | 1 12 | 10 9 | 0 40 | 10 31 | 2 14 | 8 7 | 0 49 | 21 50 | 1 12 | 5 40 | 17 33 | 22 49 | 22 55 | 18 41 | 16 5 | 3 20 |
| T 3 | 5 19 | 23 33 | 0n25 | 7 30 | 0 32 | 10 42 | 1 52 | 11 15 | 1 13 | 10 5 | 0 40 | 10 33 | 2 13 | 8 8 | 0 49 | 21 49 | 1 12 | 5 41 | 17 33 | 22 49 | 22 55 | 18 39 | 16 5 | 3 20 |
| W 4 | 5 42 | 24 42 | 1 30 | 8 24 | 0 22 | 10 28 | 1 45 | 10 58 | 1 13 | 10 0 | 0 41 | 10 36 | 2 13 | 8 9 | 0 49 | 21 49 | 1 12 | 5 41 | 17 33 | 22 49 | 22 54 | 18 37 | 16 6 | 3 20 |
| T 5 | 6 5 | 24 38 | 2 29 | 9 18 | 0 11 | 10 14 | 1 38 | 10 42 | 1 13 | 9 56 | 0 41 | 10 38 | 2 13 | 8 9 | 0 49 | 21 49 | 1 12 | 5 42 | 17 33 | 22 49 | 22 54 | 18 36 | 16 7 | 3 20 |
| F 6 | 6 28 | 23 25 | 3 21 | 10 11 | 0 0 | 9 59 | 1 32 | 10 25 | 1 14 | 9 51 | 0 41 | 10 41 | 2 13 | 8 10 | 0 49 | 21 49 | 1 12 | 5 43 | 17 34 | 22 49 | 22 54 | 18 34 | 16 8 | 3 20 |
| S 7 | 6 51 | 21 11 | 4 4 | 11 4 | 0n11 | 9 44 | 1 26 | 10 9 | 1 14 | 9 47 | 0 41 | 10 43 | 2 13 | 8 11 | 0 49 | 21 49 | 1 12 | 5 43 | 17 34 | 22 48 | 22 54 | 18 32 | 16 9 | 3 20 |
| S 8 | 7 13 | 18 3 | 4 36 | 11 55 | 0 23 | 9 29 | 1 19 | 9 52 | 1 15 | 9 43 | 0 41 | 10 46 | 2 13 | 8 12 | 0 49 | 21 49 | 1 12 | 5 44 | 17 34 | 22 48 | 22 53 | 18 30 | 16 9 | 3 20 |
| M 9 | 7 36 | 14 11 | 4 57 | 12 46 | 0 34 | 9 13 | 1 13 | 9 35 | 1 15 | 9 38 | 0 41 | 10 48 | 2 13 | 8 12 | 0 49 | 21 49 | 1 12 | 5 45 | 17 34 | 22 47 | 22 53 | 18 28 | 16 10 | 3 20 |
| T 10 | 7 58 | 9 43 | 5 4 | 13 35 | 0 46 | 8 57 | 1 7 | 9 18 | 1 15 | 9 34 | 0 41 | 10 51 | 2 13 | 8 13 | 0 49 | 21 49 | 1 12 | 5 45 | 17 34 | 22 46 | 22 53 | 18 27 | 16 11 | 3 20 |
| W11 | 8 20 | 4 50 | 4 58 | 14 23 | 0 58 | 8 41 | 1 1 | 9 1 | 1 16 | 9 29 | 0 42 | 10 53 | 2 13 | 8 14 | 0 49 | 21 49 | 1 12 | 5 46 | 17 34 | 22 45 | 22 53 | 18 25 | 16 12 | 3 20 |
| T 12 | 8 42 | 0s20 | 4 38 | 15 9 | 1 10 | 8 24 | 0 55 | 8 44 | 1 16 | 9 25 | 0 42 | 10 56 | 2 13 | 8 14 | 0 49 | 21 49 | 1 13 | 5 47 | 17 34 | 22 44 | 22 52 | 18 23 | 16 13 | 3 20 |
| F 13 | 9 4 | 5 34 | 4 5 | 15 53 | 1 22 | 8 6 | 0 49 | 8 27 | 1 16 | 9 21 | 0 42 | 10 58 | 2 13 | 8 15 | 0 49 | 21 49 | 1 13 | 5 47 | 17 34 | 22 44 | 22 52 | 18 21 | 16 13 | 3 20 |
| S 14 | 9 26 | 10 40 | 3 18 | 16 35 | 1 33 | 7 49 | 0 43 | 8 10 | 1 17 | 9 17 | 0 42 | 11 1 | 2 13 | 8 16 | 0 49 | 21 49 | 1 13 | 5 48 | 17 34 | 22 43 | 22 52 | 18 19 | 16 14 | 3 20 |
| S 15 | 9 48 | 15 23 | 2 21 | 17 14 | 1 44 | 7 31 | 0 37 | 7 53 | 1 17 | 9 12 | 0 42 | 11 3 | 2 13 | 8 16 | 0 49 | 21 49 | 1 13 | 5 48 | 17 34 | 22 42 | 22 52 | 18 17 | 16 15 | 3 20 |
| M16 | 10 9 | 19 27 | 1 15 | 17 52 | 1 55 | 7 13 | 0 31 | 7 35 | 1 17 | 9 8 | 0 42 | 11 6 | 2 13 | 8 17 | 0 49 | 21 49 | 1 13 | 5 49 | 17 34 | 22 42 | 22 51 | 18 16 | 16 16 | 3 20 |
| T 17 | 10 30 | 22 34 | 0 4 | 18 27 | 2 5 | 6 54 | 0 26 | 7 18 | 1 18 | 9 4 | 0 43 | 11 8 | 2 13 | 8 17 | 0 49 | 21 49 | 1 13 | 5 50 | 17 34 | 22 42 | 22 51 | 18 14 | 16 17 | 3 20 |
| W18 | 10 51 | 24 28 | 1s 9 | 18 59 | 2 15 | 6 35 | 0 20 | 7 1 | 1 18 | 9 0 | 0 43 | 11 11 | 2 13 | 8 18 | 0 49 | 21 49 | 1 13 | 5 50 | 17 34 | 22 42 | 22 51 | 18 12 | 16 17 | 3 20 |
| T 19 | 11 12 | 24 54 | 2 18 | 19 28 | 2 23 | 6 16 | 0 15 | 6 43 | 1 18 | 8 56 | 0 43 | 11 13 | 2 13 | 8 18 | 0 49 | 21 49 | 1 13 | 5 51 | 17 34 | 22 42 | 22 51 | 18 10 | 16 18 | 3 20 |
| F 20 | 11 33 | 23 48 | 3 21 | 19 55 | 2 31 | 5 56 | 0 10 | 6 25 | 1 19 | 8 51 | 0 43 | 11 16 | 2 12 | 8 19 | 0 49 | 21 49 | 1 13 | 5 51 | 17 34 | 22 42 | 22 50 | 18 8 | 16 19 | 3 20 |
| S 21 | 11 54 | 21 11 | 4 12 | 20 19 | 2 39 | 5 36 | 0 4 | 6 8 | 1 19 | 8 47 | 0 43 | 11 18 | 2 12 | 8 19 | 0 49 | 21 49 | 1 13 | 5 52 | 17 34 | 22 42 | 22 50 | 18 6 | 16 20 | 3 20 |
| S 22 | 12 14 | 17 16 | 4 48 | 20 40 | 2 45 | 5 16 | 0s 1 | 5 50 | 1 19 | 8 43 | 0 43 | 11 21 | 2 12 | 8 20 | 0 49 | 21 49 | 1 13 | 5 52 | 17 34 | 22 42 | 22 50 | 18 4 | 16 21 | 3 20 |
| M23 | 12 34 | 12 18 | 5 7 | 20 58 | 2 50 | 4 56 | 0 6 | 5 32 | 1 20 | 8 39 | 0 44 | 11 23 | 2 12 | 8 20 | 0 48 | 21 49 | 1 13 | 5 53 | 17 34 | 22 41 | 22 49 | 18 3 | 16 21 | 3 20 |
| T 24 | 12 54 | 6 38 | 5 6 | 21 13 | 2 54 | 4 35 | 0 11 | 5 14 | 1 20 | 8 35 | 0 44 | 11 26 | 2 12 | 8 21 | 0 48 | 21 49 | 1 13 | 5 54 | 17 34 | 22 41 | 22 49 | 18 1 | 16 22 | 3 20 |
| W25 | 13 14 | 0 37 | 4 45 | 21 25 | 2 57 | 4 14 | 0 15 | 4 57 | 1 20 | 8 31 | 0 44 | 11 28 | 2 12 | 8 21 | 0 48 | 21 49 | 1 13 | 5 54 | 17 34 | 22 40 | 22 49 | 17 59 | 16 23 | 3 20 |
| T 26 | 13 33 | 5n23 | 4 7 | 21 35 | 2 59 | 3 53 | 0 20 | 4 39 | 1 20 | 8 27 | 0 44 | 11 31 | 2 12 | 8 21 | 0 48 | 21 49 | 1 13 | 5 55 | 17 34 | 22 40 | 22 49 | 17 57 | 16 24 | 3 20 |
| F 27 | 13 52 | 11 1 | 3 14 | 21 41 | 2 59 | 3 31 | 0 25 | 4 21 | 1 21 | 8 24 | 0 44 | 11 33 | 2 12 | 8 22 | 0 48 | 21 49 | 1 13 | 5 55 | 17 34 | 22 39 | 22 48 | 17 55 | 16 25 | 3 20 |
| S 28 | 14 11 | 16 0 | 2 11 | 21 44 | 2 58 | 3 10 | 0 29 | 4 3 | 1 21 | 8 20 | 0 44 | 11 36 | 2 12 | 8 22 | 0 48 | 21 49 | 1 13 | 5 56 | 17 34 | 22 39 | 22 48 | 17 53 | 16 26 | 3 20 |
| S 29 | 14 30 | 20 3 | 1 2 | 21 45 | 2 56 | 2 48 | 0 34 | 3 45 | 1 21 | 8 16 | 0 45 | 11 38 | 2 12 | 8 23 | 0 48 | 21 49 | 1 13 | 5 56 | 17 34 | 22 38 | 22 48 | 17 51 | 16 26 | 3 20 |
| M30 | 14n48 | 22n57 | 0n 9 | 21n42 | 2n53 | 2s26 | 0s38 | 3s27 | 1s21 | 8s12 | 0s45 | 11n40 | 2s12 | 8n23 | 0n48 | 21s49 | 1n13 | 5n56 | 17n34 | 22n38 | 22n47 | 17n49 | 16n27 | 3s20 |

Julian Day Number = 2805920.5, Delta T = 51m41s
Ecliptic obliquity = 23°18'51, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°19'19, Lahiri = 37°26'19


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# ASTRODIENST EPHEMERIS for the year 2970
# geocentric

## MAY 2970 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 37 27 | 11♉12'13 | 0♋57 | 24°R58 | 26♓26 | 25♓12 | 10♓53 | 7♉ 4 | 10°R22 | 8°R39 | 27°R22 | 16♊35 | 18♊ 8 | 24♌18 | 28♉28 | T 1 |
| W 2 | 14 41 24 | 12°11'00 | 13°21 | 24♉51 | 27°32 | 25°58 | 11° 3 | 7°12 | 10♍21 | 8♏39 | 27♎21 | 16°36 | 18° 5 | 24°25 | 28°32 | W 2 |
| T 3 | 14 45 20 | 13° 9'44 | 25°30 | 24°37 | 28°39 | 26°44 | 11°14 | 7°19 | 10°20 | 8°38 | 27°19 | 16°38 | 18° 1 | 24°32 | 28°36 | T 3 |
| F 4 | 14 49 17 | 14° 8'27 | 7♌29 | 24°18 | 29°46 | 27°31 | 11°24 | 7°27 | 10°20 | 8°37 | 27°18 | 16°39 | 17°58 | 24°38 | 28°39 | F 4 |
| S 5 | 14 53 13 | 15° 7'07 | 19°22 | 23°55 | 0♈52 | 28°17 | 11°33 | 7°34 | 10°19 | 8°36 | 27°16 | 16°R39 | 17°55 | 24°45 | 28°43 | S 5 |
| S 6 | 14 57 10 | 16° 5'45 | 1♍14 | 23°27 | 1°59 | 29° 3 | 11°43 | 7°42 | 10°18 | 8°36 | 27°14 | 16°38 | 17°52 | 24°52 | 28°47 | S 6 |
| M 7 | 15 1 6 | 17° 4'21 | 13°10 | 22°55 | 3° 6 | 29°49 | 11°53 | 7°49 | 10°18 | 8°35 | 27°13 | 16°36 | 17°49 | 24°59 | 28°51 | M 7 |
| T 8 | 15 5 3 | 18° 2'54 | 25°15 | 22°20 | 4°14 | 0♈35 | 12° 3 | 7°57 | 10°17 | 8°34 | 27°11 | 16°32 | 17°45 | 25° 5 | 28°55 | T 8 |
| W 9 | 15 9 0 | 19° 1'26 | 7♎31 | 21°43 | 5°21 | 1°21 | 12°12 | 8° 4 | 10°17 | 8°33 | 27°10 | 16°28 | 17°42 | 25°12 | 28°59 | W 9 |
| T 10 | 15 12 56 | 19°59'55 | 20° 2 | 21° 3 | 6°28 | 2° 7 | 12°21 | 8°12 | 10°16 | 8°32 | 27° 8 | 16°23 | 17°39 | 25°19 | 29° 3 | T 10 |
| F 11 | 15 16 53 | 20°58'23 | 2♏48 | 20°23 | 7°36 | 2°54 | 12°30 | 8°19 | 10°16 | 8°31 | 27° 7 | 16°19 | 17°36 | 25°25 | 29° 7 | F 11 |
| S 12 | 15 20 49 | 21°56'49 | 15°51 | 19°43 | 8°44 | 3°40 | 12°40 | 8°27 | 10°15 | 8°30 | 27° 5 | 16°16 | 17°33 | 25°32 | 29°11 | S 12 |
| S 13 | 15 24 46 | 22°55'12 | 29°10 | 19° 3 | 9°51 | 4°26 | 12°48 | 8°34 | 10°15 | 8°29 | 27° 4 | 16°14 | 17°30 | 25°39 | 29°15 | S 13 |
| M14 | 15 28 42 | 23°53'35 | 12♐43 | 18°24 | 10°59 | 5°12 | 12°57 | 8°41 | 10°15 | 8°28 | 27° 2 | 16°D13 | 17°26 | 25°46 | 29°19 | M14 |
| T 15 | 15 32 39 | 24°51'55 | 26°29 | 17°47 | 12° 7 | 5°58 | 13° 6 | 8°49 | 10°15 | 8°27 | 27° 1 | 16°13 | 17°23 | 25°52 | 29°23 | T 15 |
| W16 | 15 36 35 | 25°50'14 | 10♑25 | 17°12 | 13°16 | 6°44 | 13°15 | 8°56 | 10°15 | 8°26 | 26°59 | 16°14 | 17°20 | 25°59 | 29°27 | W16 |
| T 17 | 15 40 32 | 26°48'32 | 24°29 | 16°41 | 14°24 | 7°30 | 13°23 | 9° 4 | 10°D15 | 8°25 | 26°58 | 16°16 | 17°17 | 26° 6 | 29°31 | T 17 |
| F 18 | 15 44 29 | 27°46'48 | 8♒38 | 16°13 | 15°32 | 8°16 | 13°31 | 9°11 | 10°15 | 8°24 | 26°57 | 16°17 | 17°14 | 26°12 | 29°35 | F 18 |
| S 19 | 15 48 25 | 28°45'02 | 22°50 | 15°48 | 16°41 | 9° 2 | 13°39 | 9°18 | 10°15 | 8°23 | 26°55 | 16°R18 | 17°11 | 26°19 | 29°39 | S 19 |
| S 20 | 15 52 22 | 29°43'15 | 7♓ 4 | 15°28 | 17°49 | 9°48 | 13°48 | 9°25 | 10°15 | 8°22 | 26°54 | 16°17 | 17° 7 | 26°26 | 29°43 | S 20 |
| M21 | 15 56 18 | 0♊41'27 | 21°15 | 15°12 | 18°58 | 10°34 | 13°55 | 9°33 | 10°15 | 8°20 | 26°53 | 16°17 | 17° 4 | 26°33 | 29°47 | M21 |
| T 22 | 16 0 15 | 1°39'37 | 5♈23 | 15° 1 | 20° 7 | 11°20 | 14° 3 | 9°40 | 10°15 | 8°19 | 26°51 | 16°15 | 17° 1 | 26°39 | 29°51 | T 22 |
| W23 | 16 4 11 | 2°37'46 | 19°24 | 14°54 | 21°16 | 12° 6 | 14°11 | 9°47 | 10°15 | 8°18 | 26°50 | 16°14 | 16°58 | 26°46 | 29°55 | W23 |
| T 24 | 16 8 8 | 3°35'53 | 3♉15 | 14°D52 | 22°25 | 12°52 | 14°18 | 9°54 | 10°16 | 8°17 | 26°49 | 16°12 | 16°55 | 26°53 | 29°59 | T 24 |
| F 25 | 16 12 4 | 4°33'59 | 16°54 | 14°55 | 23°34 | 13°38 | 14°26 | 10° 1 | 10°16 | 8°16 | 26°47 | 16°10 | 16°51 | 26°59 | 0♊ 3 | F 25 |
| S 26 | 16 16 1 | 5°32'04 | 0♊18 | 15° 2 | 24°43 | 14°24 | 14°33 | 10° 8 | 10°17 | 8°14 | 26°46 | 16°10 | 16°48 | 27° 6 | 0° 7 | S 26 |
| S 27 | 16 19 58 | 6°30'07 | 13°27 | 15°14 | 25°52 | 15°10 | 14°40 | 10°16 | 10°17 | 8°13 | 26°45 | 16°D 9 | 16°45 | 27°13 | 0°12 | S 27 |
| M28 | 16 23 54 | 7°28'08 | 26°18 | 15°30 | 27° 1 | 15°55 | 14°47 | 10°23 | 10°18 | 8°12 | 26°44 | 16° 9 | 16°42 | 27°20 | 0°16 | M28 |
| T 29 | 16 27 51 | 8°26'08 | 8♋53 | 15°51 | 28°10 | 16°41 | 14°53 | 10°30 | 10°18 | 8°10 | 26°43 | 16°10 | 16°39 | 27°26 | 0°20 | T 29 |
| W30 | 16 31 47 | 9°24'06 | 21°14 | 16°16 | 29°20 | 17°27 | 15° 0 | 10°37 | 10°19 | 8° 9 | 26°42 | 16°11 | 16°36 | 27°33 | 0°24 | W30 |
| T 31 | 16 35 44 | 10♊22'03 | 3♌22 | 16♉46 | 0♉29 | 18♈13 | 15♓ 6 | 10♉44 | 10♍20 | 8♏ 8 | 26♎40 | 16♊11 | 16♊32 | 27♌40 | 0♊28 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15n 7 | 24n36 | 1n18 | 21n37 | 2n48 | 2s 3 | 0s42 | 3s 9 | 1s22 | 8s 8 | 0s45 | 11n43 | 2s12 | 8n23 | 0n48 | 21s49 | 1n13 | 5n57 | 17n34 | 22n38 | 22n47 | 17n47 | 16n28 | 3s20 |
| W 2 | 15 25 | 24 59 | 2 21 | 21 29 | 2 41 | 1 41 | 0 46 | 2 51 | 1 22 | 8 5 | 0 45 | 11 45 | 2 12 | 8 23 | 0 48 | 21 49 | 1 13 | 5 57 | 17 34 | 22 39 | 22 47 | 17 45 | 16 29 | 3 20 |
| T 3 | 15 42 | 24 9 | 3 16 | 21 18 | 2 33 | 1 18 | 0 50 | 2 33 | 1 22 | 8 1 | 0 45 | 11 48 | 2 12 | 8 24 | 0 48 | 21 49 | 1 13 | 5 58 | 17 34 | 22 39 | 22 47 | 17 44 | 16 30 | 3 20 |
| F 4 | 16 0 | 22 13 | 4 3 | 21 4 | 2 24 | 0 55 | 0 54 | 2 15 | 1 22 | 7 58 | 0 46 | 11 50 | 2 12 | 8 24 | 0 48 | 21 49 | 1 13 | 5 58 | 17 33 | 22 39 | 22 46 | 17 42 | 16 31 | 3 20 |
| S 5 | 16 17 | 19 20 | 4 38 | 20 48 | 2 13 | 0 32 | 0 58 | 1 57 | 1 22 | 7 54 | 0 46 | 11 53 | 2 12 | 8 24 | 0 48 | 21 49 | 1 13 | 5 59 | 17 33 | 22 39 | 22 46 | 17 40 | 16 31 | 3 20 |
| S 6 | 16 34 | 15 40 | 5 1 | 20 30 | 2 1 | 0 9 | 1 2 | 1 38 | 1 23 | 7 50 | 0 46 | 11 55 | 2 12 | 8 24 | 0 48 | 21 49 | 1 13 | 5 59 | 17 33 | 22 39 | 22 46 | 17 38 | 16 32 | 3 20 |
| M 7 | 16 51 | 11 23 | 5 12 | 20 9 | 1 48 | 0n14 | 1 5 | 1 20 | 1 23 | 7 47 | 0 46 | 11 57 | 2 12 | 8 25 | 0 48 | 21 49 | 1 13 | 5 59 | 17 33 | 22 39 | 22 46 | 17 36 | 16 33 | 3 20 |
| T 8 | 17 7 | 6 37 | 5 9 | 19 46 | 1 34 | 0 37 | 1 9 | 1 2 | 1 23 | 7 43 | 0 46 | 12 0 | 2 12 | 8 25 | 0 48 | 21 49 | 1 13 | 6 0 | 17 33 | 22 38 | 22 45 | 17 34 | 16 34 | 3 20 |
| W 9 | 17 23 | 1 30 | 4 52 | 19 22 | 1 19 | 1 1 | 1 12 | 0 44 | 1 23 | 7 40 | 0 47 | 12 2 | 2 12 | 8 25 | 0 48 | 21 49 | 1 13 | 6 0 | 17 33 | 22 38 | 22 45 | 17 32 | 16 35 | 3 20 |
| T 10 | 17 39 | 3s46 | 4 21 | 18 56 | 1 3 | 1 24 | 1 15 | 0 26 | 1 23 | 7 37 | 0 47 | 12 4 | 2 13 | 8 25 | 0 48 | 21 49 | 1 13 | 6 0 | 17 32 | 22 37 | 22 45 | 17 30 | 16 35 | 3 20 |
| F 11 | 17 54 | 9 0 | 3 36 | 18 30 | 0 46 | 1 48 | 1 18 | 0 8 | 1 23 | 7 33 | 0 47 | 12 7 | 2 13 | 8 25 | 0 48 | 21 49 | 1 13 | 6 1 | 17 32 | 22 37 | 22 44 | 17 28 | 16 36 | 3 20 |
| S 12 | 18 10 | 13 57 | 2 39 | 18 2 | 0 29 | 2 12 | 1 21 | 0n10 | 1 23 | 7 30 | 0 47 | 12 9 | 2 13 | 8 25 | 0 48 | 21 49 | 1 13 | 6 1 | 17 32 | 22 37 | 22 44 | 17 26 | 16 37 | 3 20 |
| S 13 | 18 24 | 18 22 | 1 32 | 17 35 | 0 12 | 2 35 | 1 24 | 0 28 | 1 24 | 7 27 | 0 47 | 12 11 | 2 13 | 8 25 | 0 48 | 21 49 | 1 13 | 6 1 | 17 32 | 22 36 | 22 44 | 17 24 | 16 38 | 3 20 |
| M14 | 18 39 | 21 53 | 0 19 | 17 8 | 0s 6 | 2 59 | 1 27 | 0 46 | 1 24 | 7 24 | 0 48 | 12 14 | 2 13 | 8 25 | 0 48 | 21 49 | 1 13 | 6 1 | 17 31 | 22 36 | 22 43 | 17 22 | 16 39 | 3 20 |
| T 15 | 18 53 | 24 12 | 0s56 | 16 41 | 0 23 | 3 23 | 1 30 | 1 4 | 1 24 | 7 21 | 0 48 | 12 16 | 2 13 | 8 25 | 0 48 | 21 49 | 1 13 | 6 2 | 17 31 | 22 36 | 22 43 | 17 20 | 16 39 | 3 20 |
| W16 | 19 7 | 25 3 | 2 9 | 16 15 | 0 40 | 3 47 | 1 32 | 1 22 | 1 24 | 7 18 | 0 48 | 12 18 | 2 13 | 8 25 | 0 48 | 21 49 | 1 13 | 6 2 | 17 31 | 22 36 | 22 43 | 17 18 | 16 40 | 3 20 |
| T 17 | 19 20 | 24 19 | 3 15 | 15 50 | 0 57 | 4 11 | 1 35 | 1 40 | 1 24 | 7 15 | 0 48 | 12 20 | 2 13 | 8 25 | 0 48 | 21 50 | 1 14 | 6 2 | 17 31 | 22 37 | 22 43 | 17 16 | 16 41 | 3 20 |
| F 18 | 19 34 | 22 2 | 4 10 | 15 26 | 1 13 | 4 35 | 1 37 | 1 58 | 1 24 | 7 12 | 0 49 | 12 23 | 2 13 | 8 25 | 0 48 | 21 50 | 1 14 | 6 2 | 17 30 | 22 37 | 22 42 | 17 14 | 16 42 | 3 20 |
| S 19 | 19 47 | 18 23 | 4 50 | 15 4 | 1 29 | 4 59 | 1 40 | 2 16 | 1 24 | 7 9 | 0 49 | 12 25 | 2 13 | 8 25 | 0 47 | 21 50 | 1 14 | 6 3 | 17 30 | 22 37 | 22 42 | 17 12 | 16 42 | 3 20 |
| S 20 | 19 59 | 13 42 | 5 11 | 14 44 | 1 44 | 5 23 | 1 42 | 2 34 | 1 24 | 7 6 | 0 49 | 12 27 | 2 13 | 8 25 | 0 47 | 21 50 | 1 14 | 6 3 | 17 30 | 22 37 | 22 42 | 17 10 | 16 43 | 3 20 |
| M21 | 20 11 | 8 16 | 5 14 | 14 26 | 1 58 | 5 47 | 1 44 | 2 52 | 1 24 | 7 3 | 0 49 | 12 29 | 2 13 | 8 25 | 0 47 | 21 50 | 1 14 | 6 3 | 17 29 | 22 37 | 22 41 | 17 8 | 16 44 | 3 20 |
| T 22 | 20 23 | 2 26 | 4 58 | 14 10 | 2 11 | 6 11 | 1 46 | 3 10 | 1 24 | 7 0 | 0 49 | 12 32 | 2 13 | 8 25 | 0 47 | 21 50 | 1 14 | 6 3 | 17 29 | 22 37 | 22 41 | 17 6 | 16 45 | 3 21 |
| W23 | 20 35 | 3n28 | 4 24 | 13 56 | 2 23 | 6 35 | 1 48 | 3 28 | 1 24 | 6 58 | 0 50 | 12 34 | 2 13 | 8 25 | 0 47 | 21 50 | 1 14 | 6 3 | 17 29 | 22 36 | 22 41 | 17 4 | 16 46 | 3 21 |
| T 24 | 20 46 | 9 9 | 3 35 | 13 45 | 2 34 | 6 59 | 1 49 | 3 46 | 1 24 | 6 55 | 0 50 | 12 36 | 2 13 | 8 25 | 0 47 | 21 50 | 1 14 | 6 3 | 17 28 | 22 36 | 22 40 | 17 2 | 16 46 | 3 21 |
| F 25 | 20 56 | 14 19 | 2 35 | 13 36 | 2 45 | 7 23 | 1 51 | 4 3 | 1 24 | 6 52 | 0 50 | 12 38 | 2 13 | 8 24 | 0 47 | 21 50 | 1 14 | 6 3 | 17 28 | 22 36 | 22 40 | 17 0 | 16 47 | 3 21 |
| S 26 | 21 7 | 18 42 | 1 27 | 13 29 | 2 54 | 7 47 | 1 53 | 4 21 | 1 24 | 6 50 | 0 50 | 12 40 | 2 13 | 8 24 | 0 47 | 21 50 | 1 14 | 6 4 | 17 28 | 22 36 | 22 40 | 16 58 | 16 48 | 3 21 |
| S 27 | 21 17 | 22 3 | 0 15 | 13 24 | 3 2 | 8 10 | 1 54 | 4 39 | 1 24 | 6 47 | 0 51 | 12 42 | 2 14 | 8 24 | 0 47 | 21 50 | 1 14 | 6 4 | 17 27 | 22 36 | 22 40 | 16 56 | 16 48 | 3 21 |
| M28 | 21 27 | 24 12 | 0n56 | 13 22 | 3 10 | 8 34 | 1 55 | 4 56 | 1 24 | 6 45 | 0 51 | 12 44 | 2 14 | 8 24 | 0 47 | 21 50 | 1 14 | 6 4 | 17 27 | 22 36 | 22 39 | 16 54 | 16 49 | 3 21 |
| T 29 | 21 36 | 25 3 | 2 3 | 13 22 | 3 16 | 8 57 | 1 57 | 5 14 | 1 24 | 6 42 | 0 51 | 12 46 | 2 14 | 8 24 | 0 47 | 21 50 | 1 14 | 6 4 | 17 27 | 22 36 | 22 39 | 16 52 | 16 50 | 3 21 |
| W30 | 21 45 | 24 39 | 3 2 | 13 24 | 3 22 | 9 20 | 1 58 | 5 31 | 1 24 | 6 40 | 0 51 | 12 48 | 2 14 | 8 23 | 0 47 | 21 50 | 1 14 | 6 4 | 17 26 | 22 36 | 22 39 | 16 50 | 16 51 | 3 21 |
| T 31 | 21n53 | 23n 4 | 3n53 | 13n28 | 3s26 | 9n44 | 1s59 | 5n48 | 1s24 | 6s38 | 0s52 | 12n51 | 2s14 | 8n23 | 0n47 | 21s50 | 1n14 | 6n 4 | 17n26 | 22n36 | 22n38 | 16n48 | 16n51 | 3s21 |

Julian Day Number = 2805950.5, Delta T = 51m42s
Ecliptic obliquity = 23°18'51, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°19'23, Lahiri = 37°26'23


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# ASTRODIENST EPHEMERIS for the year 2970
# geocentric

## JUNE 2970 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 39 40 | 11♊19'58 | 15♌21 | 17♉19 | 1♉39 | 18♈58 | 15♓13 | 10♉50 | 10♍20 | 8°R 6 | 26°R39 | 16♊12 | 16♊29 | 27♌46 | 0♊32 | F 1 |
| S 2 | 16 43 37 | 12°17'51 | 27°15 | 17°57 | 2°48 | 19°44 | 15°19 | 10°57 | 10°21 | 8♋ 5 | 26♎38 | 16°12 | 16°26 | 27°53 | 0°36 | S 2 |
| S 3 | 16 47 34 | 13°15'42 | 9♍ 8 | 18°38 | 3°58 | 20°30 | 15°25 | 11° 4 | 10°22 | 8° 3 | 26°37 | 16°R12 | 16°23 | 28° 0 | 0°39 | S 3 |
| M 4 | 16 51 30 | 14°13'32 | 21° 4 | 19°23 | 5° 8 | 21°15 | 15°30 | 11°11 | 10°23 | 8° 2 | 26°36 | 16°12 | 16°20 | 28° 7 | 0°43 | M 4 |
| T 5 | 16 55 27 | 15°11'20 | 3♎ 9 | 20°12 | 6°18 | 22° 1 | 15°36 | 11°18 | 10°24 | 8° 0 | 26°35 | 16°12 | 16°17 | 28°13 | 0°47 | T 5 |
| W 6 | 16 59 23 | 16° 9'06 | 15°27 | 21° 4 | 7°27 | 22°46 | 15°42 | 11°24 | 10°25 | 7°59 | 26°34 | 16°D12 | 16°13 | 28°20 | 0°51 | W 6 |
| T 7 | 17 3 20 | 17° 6'51 | 28° 0 | 21°59 | 8°37 | 23°32 | 15°47 | 11°31 | 10°26 | 7°58 | 26°33 | 16°12 | 16°10 | 28°27 | 0°55 | T 7 |
| F 8 | 17 7 16 | 18° 4'35 | 10♏53 | 22°57 | 9°47 | 24°17 | 15°52 | 11°38 | 10°27 | 7°56 | 26°33 | 16°12 | 16° 7 | 28°33 | 0°59 | F 8 |
| S 9 | 17 11 13 | 19° 2'17 | 24° 7 | 23°59 | 10°57 | 25° 3 | 15°57 | 11°44 | 10°28 | 7°55 | 26°32 | 16°13 | 16° 4 | 28°40 | 1° 3 | S 9 |
| S 10 | 17 15 9 | 19°59'57 | 7♐43 | 25° 4 | 12° 7 | 25°48 | 16° 2 | 11°51 | 10°29 | 7°53 | 26°31 | 16°13 | 16° 1 | 28°47 | 1° 7 | S 10 |
| M11 | 17 19 6 | 20°57'37 | 21°38 | 26°12 | 13°18 | 26°33 | 16° 6 | 11°57 | 10°31 | 7°52 | 26°30 | 16°R13 | 15°57 | 28°54 | 1°11 | M11 |
| T 12 | 17 23 3 | 21°55'15 | 5♑50 | 27°23 | 14°28 | 27°19 | 16°11 | 12° 4 | 10°32 | 7°50 | 26°29 | 16°12 | 15°54 | 29° 0 | 1°15 | T 12 |
| W13 | 17 26 59 | 22°52'52 | 20°14 | 28°36 | 15°38 | 28° 4 | 16°15 | 12°10 | 10°33 | 7°48 | 26°28 | 16°12 | 15°51 | 29° 7 | 1°18 | W13 |
| T 14 | 17 30 56 | 23°50'29 | 4♒44 | 29°53 | 16°48 | 28°49 | 16°19 | 12°16 | 10°35 | 7°47 | 26°28 | 16°11 | 15°48 | 29°14 | 1°22 | T 14 |
| F 15 | 17 34 52 | 24°48'04 | 19°16 | 1♊12 | 17°59 | 29°34 | 16°23 | 12°22 | 10°36 | 7°45 | 26°27 | 16°10 | 15°45 | 29°21 | 1°26 | F 15 |
| S 16 | 17 38 49 | 25°45'38 | 3♓44 | 2°34 | 19° 9 | 0♉20 | 16°27 | 12°29 | 10°38 | 7°44 | 26°26 | 16° 9 | 15°42 | 29°27 | 1°30 | S 16 |
| S 17 | 17 42 45 | 26°43'12 | 18° 4 | 3°59 | 20°20 | 1° 5 | 16°30 | 12°35 | 10°39 | 7°42 | 26°26 | 16° 9 | 15°38 | 29°34 | 1°34 | S 17 |
| M18 | 17 46 42 | 27°40'44 | 2♈13 | 5°27 | 21°30 | 1°50 | 16°34 | 12°41 | 10°41 | 7°41 | 26°25 | 16°D 9 | 15°35 | 29°41 | 1°37 | M18 |
| T 19 | 17 50 38 | 28°38'16 | 16° 8 | 6°57 | 22°41 | 2°35 | 16°37 | 12°47 | 10°43 | 7°39 | 26°25 | 16° 9 | 15°32 | 29°47 | 1°41 | T 19 |
| W20 | 17 54 35 | 29°35'48 | 29°50 | 8°29 | 23°51 | 3°20 | 16°40 | 12°53 | 10°44 | 7°37 | 26°24 | 16°10 | 15°29 | 29°54 | 1°45 | W20 |
| T 21 | 17 58 32 | 0♋33'18 | 13♉17 | 10° 5 | 25° 2 | 4° 5 | 16°43 | 12°59 | 10°46 | 7°36 | 26°24 | 16°11 | 15°26 | 0♍ 1 | 1°48 | T 21 |
| F 22 | 18 2 28 | 1°30'48 | 26°31 | 11°43 | 26°13 | 4°49 | 16°46 | 13° 5 | 10°48 | 7°34 | 26°23 | 16°12 | 15°23 | 0° 8 | 1°52 | F 22 |
| S 23 | 18 6 25 | 2°28'18 | 9♊31 | 13°23 | 27°24 | 5°34 | 16°48 | 13°11 | 10°50 | 7°33 | 26°23 | 16°13 | 15°19 | 0°14 | 1°56 | S 23 |
| S 24 | 18 10 21 | 3°25'46 | 22°18 | 15° 7 | 28°34 | 6°19 | 16°50 | 13°16 | 10°52 | 7°31 | 26°22 | 16°R13 | 15°16 | 0°21 | 1°59 | S 24 |
| M25 | 18 14 18 | 4°23'14 | 4♋52 | 16°52 | 29°45 | 7° 4 | 16°52 | 13°22 | 10°54 | 7°29 | 26°22 | 16°12 | 15°13 | 0°28 | 2° 3 | M25 |
| T 26 | 18 18 14 | 5°20'41 | 17°15 | 18°41 | 0♊56 | 7°48 | 16°54 | 13°28 | 10°56 | 7°28 | 26°21 | 16°10 | 15°10 | 0°34 | 2° 6 | T 26 |
| W27 | 18 22 11 | 6°18'07 | 29°28 | 20°32 | 2° 7 | 8°33 | 16°56 | 13°33 | 10°58 | 7°26 | 26°21 | 16° 8 | 15° 7 | 0°41 | 2°10 | W27 |
| T 28 | 18 26 8 | 7°15'33 | 11♌31 | 22°25 | 3°18 | 9°18 | 16°58 | 13°39 | 11° 0 | 7°25 | 26°21 | 16° 4 | 15° 3 | 0°48 | 2°13 | T 28 |
| F 29 | 18 30 4 | 8°12'57 | 23°28 | 24°20 | 4°29 | 10° 2 | 16°59 | 13°44 | 11° 2 | 7°23 | 26°21 | 16° 1 | 15° 0 | 0°55 | 2°17 | F 29 |
| S 30 | 18 34 1 | 9♋10'20 | 5♍21 | 26♊18 | 5♊40 | 10♉46 | 17♓ 0 | 13♉50 | 11♍ 4 | 7♋21 | 26♎20 | 15♊58 | 14♊57 | 1♍ 1 | 2♊20 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n 1 | 20n29 | 4n32 | 13n33 | 3s30 | 10n 7 | 2s 0 | 6n 6 | 1s24 | 6s36 | 0s52 | 12n53 | 2s14 | 8n23 | 0n47 | 21s50 | 1n14 | 6n 4 | 17n26 | 22n36 | 22n38 | 16n45 | 16n52 | 3s21 |
| S 2 | 22 9 | 17 3 | 5 0 | 13 41 | 3 32 | 10 30 | 2 0 | 6 23 | 1 24 | 6 34 | 0 52 | 12 55 | 2 14 | 8 22 | 0 47 | 21 50 | 1 14 | 6 4 | 17 25 | 22 36 | 22 38 | 16 43 | 16 53 | 3 22 |
| S 3 | 22 16 | 12 58 | 5 15 | 13 50 | 3 34 | 10 52 | 2 1 | 6 40 | 1 24 | 6 31 | 0 52 | 12 57 | 2 14 | 8 22 | 0 47 | 21 51 | 1 14 | 6 4 | 17 25 | 22 36 | 22 37 | 16 41 | 16 53 | 3 22 |
| M 4 | 22 23 | 8 22 | 5 16 | 14 1 | 3 35 | 11 15 | 2 2 | 6 57 | 1 24 | 6 29 | 0 53 | 12 59 | 2 14 | 8 22 | 0 47 | 21 51 | 1 14 | 6 4 | 17 24 | 22 36 | 22 37 | 16 39 | 16 54 | 3 22 |
| T 5 | 22 30 | 3 24 | 5 3 | 14 14 | 3 36 | 11 37 | 2 2 | 7 14 | 1 24 | 6 28 | 0 53 | 13 0 | 2 14 | 8 21 | 0 47 | 21 51 | 1 14 | 6 4 | 17 24 | 22 36 | 22 37 | 16 37 | 16 55 | 3 22 |
| W 6 | 22 36 | 1s47 | 4 37 | 14 28 | 3 35 | 11 59 | 2 3 | 7 31 | 1 24 | 6 26 | 0 53 | 13 2 | 2 14 | 8 21 | 0 47 | 21 51 | 1 14 | 6 4 | 17 24 | 22 36 | 22 36 | 16 35 | 16 56 | 3 22 |
| T 7 | 22 42 | 7 1 | 3 57 | 14 43 | 3 34 | 12 21 | 2 3 | 7 48 | 1 24 | 6 24 | 0 53 | 13 4 | 2 15 | 8 20 | 0 47 | 21 51 | 1 14 | 6 3 | 17 23 | 22 36 | 22 36 | 16 33 | 16 56 | 3 22 |
| F 8 | 22 47 | 12 6 | 3 4 | 15 0 | 3 32 | 12 43 | 2 3 | 8 4 | 1 23 | 6 22 | 0 54 | 13 6 | 2 15 | 8 20 | 0 47 | 21 51 | 1 14 | 6 3 | 17 23 | 22 36 | 22 36 | 16 31 | 16 57 | 3 22 |
| S 9 | 22 52 | 16 46 | 1 59 | 15 18 | 3 29 | 13 5 | 2 3 | 8 21 | 1 23 | 6 20 | 0 54 | 13 8 | 2 15 | 8 19 | 0 47 | 21 51 | 1 14 | 6 3 | 17 22 | 22 36 | 22 35 | 16 29 | 16 57 | 3 22 |
| S 10 | 22 56 | 20 43 | 0 47 | 15 36 | 3 26 | 13 26 | 2 4 | 8 38 | 1 23 | 6 19 | 0 54 | 13 10 | 2 15 | 8 19 | 0 47 | 21 51 | 1 14 | 6 3 | 17 22 | 22 36 | 22 35 | 16 27 | 16 58 | 3 23 |
| M11 | 23 0 | 23 33 | 0s30 | 15 56 | 3 21 | 13 47 | 2 3 | 8 54 | 1 23 | 6 17 | 0 54 | 13 12 | 2 15 | 8 18 | 0 46 | 21 51 | 1 14 | 6 3 | 17 21 | 22 36 | 22 35 | 16 24 | 16 59 | 3 23 |
| T 12 | 23 4 | 24 58 | 1 47 | 16 17 | 3 17 | 14 8 | 2 3 | 9 10 | 1 23 | 6 16 | 0 55 | 13 14 | 2 15 | 8 18 | 0 46 | 21 51 | 1 14 | 6 3 | 17 21 | 22 36 | 22 34 | 16 22 | 16 59 | 3 23 |
| W13 | 23 7 | 24 43 | 2 57 | 16 38 | 3 11 | 14 28 | 2 3 | 9 27 | 1 23 | 6 14 | 0 55 | 13 15 | 2 15 | 8 17 | 0 46 | 21 51 | 1 14 | 6 3 | 17 20 | 22 36 | 22 34 | 16 20 | 17 0 | 3 23 |
| T 14 | 23 10 | 22 49 | 3 57 | 17 0 | 3 5 | 14 48 | 2 3 | 9 43 | 1 22 | 6 13 | 0 55 | 13 17 | 2 15 | 8 17 | 0 46 | 21 51 | 1 14 | 6 2 | 17 20 | 22 36 | 22 34 | 16 18 | 17 1 | 3 23 |
| F 15 | 23 13 | 19 26 | 4 42 | 17 22 | 2 59 | 15 8 | 2 2 | 9 59 | 1 22 | 6 12 | 0 55 | 13 19 | 2 16 | 8 16 | 0 46 | 21 52 | 1 14 | 6 2 | 17 19 | 22 36 | 22 33 | 16 16 | 17 1 | 3 23 |
| S 16 | 23 15 | 14 53 | 5 9 | 17 45 | 2 52 | 15 28 | 2 2 | 10 15 | 1 22 | 6 11 | 0 56 | 13 21 | 2 16 | 8 15 | 0 46 | 21 52 | 1 14 | 6 2 | 17 19 | 22 36 | 22 33 | 16 14 | 17 2 | 3 23 |
| S 17 | 23 16 | 9 33 | 5 16 | 18 8 | 2 45 | 15 47 | 2 1 | 10 31 | 1 22 | 6 9 | 0 56 | 13 22 | 2 16 | 8 15 | 0 46 | 21 52 | 1 14 | 6 2 | 17 18 | 22 36 | 22 33 | 16 12 | 17 2 | 3 24 |
| M18 | 23 18 | 3 47 | 5 4 | 18 32 | 2 37 | 16 6 | 2 1 | 10 46 | 1 22 | 6 8 | 0 56 | 13 24 | 2 16 | 8 14 | 0 46 | 21 52 | 1 14 | 6 2 | 17 18 | 22 36 | 22 32 | 16 10 | 17 3 | 3 24 |
| T 19 | 23 18 | 2n 5 | 4 34 | 18 55 | 2 28 | 16 25 | 2 0 | 11 2 | 1 21 | 6 7 | 0 56 | 13 26 | 2 16 | 8 13 | 0 46 | 21 52 | 1 14 | 6 1 | 17 18 | 22 36 | 22 32 | 16 7 | 17 4 | 3 24 |
| W20 | 23 19 | 7 46 | 3 49 | 19 19 | 2 19 | 16 43 | 1 59 | 11 17 | 1 21 | 6 6 | 0 57 | 13 27 | 2 16 | 8 13 | 0 46 | 21 52 | 1 14 | 6 1 | 17 17 | 22 36 | 22 32 | 16 5 | 17 4 | 3 24 |
| T 21 | 23 19 | 13 0 | 2 52 | 19 42 | 2 10 | 17 1 | 1 58 | 11 33 | 1 21 | 6 6 | 0 57 | 13 29 | 2 16 | 8 12 | 0 46 | 21 52 | 1 14 | 6 1 | 17 17 | 22 36 | 22 31 | 16 3 | 17 5 | 3 24 |
| F 22 | 23 18 | 17 33 | 1 47 | 20 5 | 2 0 | 17 18 | 1 57 | 11 48 | 1 20 | 6 5 | 0 57 | 13 31 | 2 17 | 8 11 | 0 46 | 21 52 | 1 14 | 6 0 | 17 16 | 22 36 | 22 31 | 16 1 | 17 5 | 3 24 |
| S 23 | 23 17 | 21 9 | 0 37 | 20 28 | 1 50 | 17 35 | 1 56 | 12 3 | 1 20 | 6 4 | 0 57 | 13 32 | 2 17 | 8 11 | 0 46 | 21 52 | 1 14 | 6 0 | 17 15 | 22 36 | 22 31 | 15 59 | 17 6 | 3 25 |
| S 24 | 23 16 | 23 39 | 0n33 | 20 50 | 1 40 | 17 52 | 1 55 | 12 18 | 1 20 | 6 3 | 0 58 | 13 34 | 2 17 | 8 10 | 0 46 | 21 52 | 1 14 | 6 0 | 17 15 | 22 36 | 22 30 | 15 57 | 17 6 | 3 25 |
| M25 | 23 15 | 24 54 | 1 41 | 21 11 | 1 29 | 18 8 | 1 54 | 12 33 | 1 20 | 6 3 | 0 58 | 13 35 | 2 17 | 8 9 | 0 46 | 21 52 | 1 14 | 5 59 | 17 14 | 22 36 | 22 30 | 15 54 | 17 7 | 3 25 |
| T 26 | 23 12 | 24 54 | 2 43 | 21 32 | 1 18 | 18 24 | 1 53 | 12 47 | 1 19 | 6 2 | 0 58 | 13 37 | 2 17 | 8 8 | 0 46 | 21 53 | 1 14 | 5 59 | 17 14 | 22 36 | 22 30 | 15 52 | 17 7 | 3 25 |
| W27 | 23 10 | 23 41 | 3 36 | 21 52 | 1 7 | 18 40 | 1 51 | 13 2 | 1 19 | 6 2 | 0 59 | 13 38 | 2 17 | 8 8 | 0 46 | 21 53 | 1 14 | 5 59 | 17 13 | 22 36 | 22 29 | 15 50 | 17 8 | 3 25 |
| T 28 | 23 7 | 21 23 | 4 19 | 22 10 | 0 56 | 18 54 | 1 50 | 13 16 | 1 19 | 6 2 | 0 59 | 13 40 | 2 18 | 8 7 | 0 46 | 21 53 | 1 14 | 5 58 | 17 13 | 22 35 | 22 29 | 15 48 | 17 8 | 3 26 |
| F 29 | 23 4 | 18 11 | 4 50 | 22 27 | 0 45 | 19 9 | 1 48 | 13 31 | 1 18 | 6 1 | 0 59 | 13 41 | 2 18 | 8 6 | 0 46 | 21 53 | 1 14 | 5 58 | 17 12 | 22 35 | 22 29 | 15 46 | 17 9 | 3 26 |
| S 30 | 23n 0 | 14n17 | 5n 8 | 22n42 | 0s33 | 19n23 | 1s47 | 13n45 | 1s18 | 6s 1 | 0s59 | 13n43 | 2s18 | 8n 5 | 0n46 | 21s53 | 1n14 | 5n57 | 17n12 | 22n35 | 22n28 | 15n43 | 17n 9 | 3s26 |

Julian Day Number = 2805981.5, Delta T = 51m42s
Ecliptic obliquity = 23°18'50, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°19'27, Lahiri = 37°26'28


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# ASTRODIENST EPHEMERIS for the year 2970
# geocentric

## JULY 2970 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 37 57 | 10♋ 7'43 | 17♍13 | 28♊19 | 6♊51 | 11♉31 | 17♓ 1 | 13♉55 | 11♍ 6 | 7°R20 | 26°R20 | 15°R55 | 14♊54 | 1♍ 8 | 2♊24 | S 1 |
| M 2 | 18 41 54 | 11° 5'04 | 29° 8 | 0♋21 | 8° 2 | 12°15 | 17° 2 | 14° 0 | 11° 9 | 7♑18 | 26♎20 | 15♊53 | 14°51 | 1°15 | 2°27 | M 2 |
| T 3 | 18 45 50 | 12° 2'25 | 11♎11 | 2°25 | 9°14 | 12°59 | 17° 2 | 14° 5 | 11°11 | 7°16 | 26°20 | 15°D53 | 14°48 | 1°21 | 2°30 | T 3 |
| W 4 | 18 49 47 | 12°59'45 | 23°27 | 4°31 | 10°25 | 13°44 | 17° 3 | 14°11 | 11°13 | 7°15 | 26°20 | 15°53 | 14°44 | 1°28 | 2°34 | W 4 |
| T 5 | 18 53 43 | 13°57'04 | 5♏59 | 6°39 | 11°36 | 14°28 | 17°R 3 | 14°16 | 11°16 | 7°13 | 26°20 | 15°54 | 14°41 | 1°35 | 2°37 | T 5 |
| F 6 | 18 57 40 | 14°54'23 | 18°51 | 8°48 | 12°47 | 15°12 | 17° 3 | 14°21 | 11°18 | 7°12 | 26°D20 | 15°56 | 14°38 | 1°42 | 2°40 | F 6 |
| S 7 | 19 1 36 | 15°51'40 | 2♐ 8 | 10°58 | 13°59 | 15°56 | 17° 3 | 14°25 | 11°21 | 7°10 | 26°20 | 15°57 | 14°35 | 1°48 | 2°43 | S 7 |
| S 8 | 19 5 33 | 16°48'57 | 15°51 | 13° 8 | 15°10 | 16°40 | 17° 2 | 14°30 | 11°23 | 7° 8 | 26°20 | 15°R58 | 14°32 | 1°55 | 2°47 | S 8 |
| M 9 | 19 9 30 | 17°46'14 | 29°59 | 15°20 | 16°22 | 17°23 | 17° 2 | 14°35 | 11°26 | 7° 7 | 26°20 | 15°57 | 14°29 | 2° 2 | 2°50 | M 9 |
| T 10 | 19 13 26 | 18°43'30 | 14♑29 | 17°31 | 17°33 | 18° 7 | 17° 1 | 14°40 | 11°28 | 7° 5 | 26°20 | 15°55 | 14°25 | 2° 8 | 2°53 | T 10 |
| W11 | 19 17 23 | 19°40'46 | 29°16 | 19°43 | 18°45 | 18°51 | 17° 0 | 14°44 | 11°31 | 7° 4 | 26°20 | 15°51 | 14°22 | 2°15 | 2°56 | W11 |
| T 12 | 19 21 19 | 20°38'01 | 14♒13 | 21°54 | 19°56 | 19°35 | 16°59 | 14°49 | 11°33 | 7° 2 | 26°20 | 15°47 | 14°19 | 2°22 | 2°59 | T 12 |
| F 13 | 19 25 16 | 21°35'16 | 29°10 | 24° 4 | 21° 8 | 20°18 | 16°57 | 14°53 | 11°36 | 7° 1 | 26°21 | 15°42 | 14°16 | 2°29 | 3° 2 | F 13 |
| S 14 | 19 29 12 | 22°32'31 | 14♓ 0 | 26°14 | 22°19 | 21° 2 | 16°56 | 14°58 | 11°39 | 6°59 | 26°21 | 15°37 | 14°13 | 2°35 | 3° 5 | S 14 |
| S 15 | 19 33 9 | 23°29'46 | 28°34 | 28°23 | 23°31 | 21°45 | 16°54 | 15° 2 | 11°42 | 6°57 | 26°21 | 15°34 | 14° 9 | 2°42 | 3° 8 | S 15 |
| M16 | 19 37 6 | 24°27'01 | 12♈50 | 0♌31 | 24°43 | 22°29 | 16°52 | 15° 6 | 11°44 | 6°56 | 26°21 | 15°31 | 14° 6 | 2°49 | 3°11 | M16 |
| T 17 | 19 41 2 | 25°24'16 | 26°44 | 2°37 | 25°54 | 23°12 | 16°50 | 15°10 | 11°47 | 6°54 | 26°22 | 15°D31 | 14° 3 | 2°56 | 3°14 | T 17 |
| W18 | 19 44 59 | 26°21'32 | 10♉17 | 4°42 | 27° 6 | 23°55 | 16°48 | 15°14 | 11°50 | 6°53 | 26°22 | 15°31 | 14° 0 | 3° 2 | 3°16 | W18 |
| T 19 | 19 48 55 | 27°18'47 | 23°30 | 6°45 | 28°18 | 24°38 | 16°45 | 15°18 | 11°53 | 6°51 | 26°23 | 15°33 | 13°57 | 3° 9 | 3°19 | T 19 |
| F 20 | 19 52 52 | 28°16'03 | 6♊26 | 8°46 | 29°30 | 25°21 | 16°43 | 15°22 | 11°56 | 6°50 | 26°23 | 15°34 | 13°54 | 3°16 | 3°22 | F 20 |
| S 21 | 19 56 48 | 29°13'19 | 19° 7 | 10°46 | 0♋42 | 26° 4 | 16°40 | 15°26 | 11°59 | 6°48 | 26°24 | 15°R34 | 13°50 | 3°22 | 3°25 | S 21 |
| S 22 | 20 0 45 | 0♌10'35 | 1♋36 | 12°43 | 1°54 | 26°47 | 16°37 | 15°29 | 12° 2 | 6°47 | 26°24 | 15°33 | 13°47 | 3°29 | 3°27 | S 22 |
| M23 | 20 4 41 | 1° 7'52 | 13°54 | 14°39 | 3° 6 | 27°30 | 16°33 | 15°33 | 12° 5 | 6°46 | 26°25 | 15°30 | 13°44 | 3°36 | 3°30 | M23 |
| T 24 | 20 8 38 | 2° 5'08 | 26° 4 | 16°33 | 4°18 | 28°13 | 16°30 | 15°37 | 12° 8 | 6°44 | 26°25 | 15°24 | 13°41 | 3°43 | 3°32 | T 24 |
| W25 | 20 12 35 | 3° 2'25 | 8♌ 7 | 18°25 | 5°30 | 28°55 | 16°26 | 15°40 | 12°11 | 6°43 | 26°26 | 15°17 | 13°38 | 3°49 | 3°35 | W25 |
| T 26 | 20 16 31 | 3°59'41 | 20° 5 | 20°15 | 6°42 | 29°38 | 16°23 | 15°43 | 12°14 | 6°41 | 26°26 | 15° 8 | 13°35 | 3°56 | 3°37 | T 26 |
| F 27 | 20 20 28 | 4°56'58 | 1♍59 | 22° 4 | 7°54 | 0♊20 | 16°19 | 15°47 | 12°17 | 6°40 | 26°27 | 14°59 | 13°31 | 4° 3 | 3°40 | F 27 |
| S 28 | 20 24 24 | 5°54'14 | 13°50 | 23°50 | 9° 6 | 1° 3 | 16°15 | 15°50 | 12°20 | 6°39 | 26°28 | 14°49 | 13°28 | 4° 9 | 3°42 | S 28 |
| S 29 | 20 28 21 | 6°51'31 | 25°42 | 25°34 | 10°19 | 1°45 | 16°10 | 15°53 | 12°24 | 6°37 | 26°29 | 14°42 | 13°25 | 4°16 | 3°44 | S 29 |
| M30 | 20 32 17 | 7°48'48 | 7♎37 | 27°16 | 11°31 | 2°27 | 16° 6 | 15°56 | 12°27 | 6°36 | 26°29 | 14°35 | 13°22 | 4°23 | 3°47 | M30 |
| T 31 | 20 36 14 | 8♌46'04 | 19♎39 | 28♌57 | 12♋43 | 3♊ 9 | 16♓ 1 | 15♉59 | 12♍30 | 6♑34 | 26♎30 | 14♊31 | 13♊19 | 4♍30 | 3♊49 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n56 | 9n50 | 5n14 | 22n56 | 0s22 | 19n37 | 1s45 | 13n59 | 1s18 | 6s 1 | 1s 0 | 13n44 | 2s18 | 8n 4 | 0n46 | 21s53 | 1n14 | 5n57 | 17n11 | 22n34 | 22n28 | 15n41 | 17n10 | 3s26 |
| M 2 | 22 51 | 5 1 | 5 5 | 23 8 | 0 11 | 19 50 | 1 44 | 14 12 | 1 17 | 6 1 | 1 0 | 13 45 | 2 18 | 8 3 | 0 46 | 21 53 | 1 14 | 5 57 | 17 11 | 22 34 | 22 27 | 15 39 | 17 10 | 3 26 |
| T 3 | 22 46 | 0s 3 | 4 44 | 23 18 | 0n 0 | 20 2 | 1 42 | 14 26 | 1 17 | 6 1 | 1 0 | 13 47 | 2 19 | 8 2 | 0 46 | 21 53 | 1 14 | 5 56 | 17 10 | 22 34 | 22 27 | 15 37 | 17 11 | 3 26 |
| W 4 | 22 41 | 5 12 | 4 9 | 23 25 | 0 11 | 20 15 | 1 40 | 14 40 | 1 16 | 6 1 | 1 0 | 13 48 | 2 19 | 8 1 | 0 46 | 21 53 | 1 14 | 5 56 | 17 10 | 22 34 | 22 27 | 15 34 | 17 11 | 3 27 |
| T 5 | 22 35 | 10 16 | 3 22 | 23 30 | 0 22 | 20 26 | 1 38 | 14 53 | 1 16 | 6 1 | 1 1 | 13 49 | 2 19 | 8 1 | 0 46 | 21 53 | 1 14 | 5 55 | 17 9 | 22 34 | 22 26 | 15 32 | 17 11 | 3 27 |
| F 6 | 22 29 | 15 3 | 2 23 | 23 33 | 0 32 | 20 37 | 1 36 | 15 6 | 1 15 | 6 2 | 1 1 | 13 51 | 2 19 | 8 0 | 0 46 | 21 54 | 1 14 | 5 55 | 17 9 | 22 35 | 22 26 | 15 30 | 17 12 | 3 27 |
| S 7 | 22 23 | 19 15 | 1 15 | 23 33 | 0 42 | 20 48 | 1 34 | 15 19 | 1 15 | 6 2 | 1 1 | 13 52 | 2 19 | 7 59 | 0 46 | 21 54 | 1 14 | 5 54 | 17 8 | 22 35 | 22 26 | 15 28 | 17 12 | 3 27 |
| S 8 | 22 16 | 22 33 | 0 1 | 23 31 | 0 51 | 20 58 | 1 32 | 15 32 | 1 15 | 6 2 | 1 2 | 13 53 | 2 19 | 7 58 | 0 46 | 21 54 | 1 14 | 5 54 | 17 8 | 22 35 | 22 25 | 15 26 | 17 13 | 3 28 |
| M 9 | 22 8 | 24 35 | 1s16 | 23 26 | 1 0 | 21 7 | 1 30 | 15 45 | 1 14 | 6 3 | 1 2 | 13 54 | 2 20 | 7 57 | 0 45 | 21 54 | 1 14 | 5 53 | 17 7 | 22 35 | 22 25 | 15 23 | 17 13 | 3 28 |
| T 10 | 22 1 | 25 0 | 2 29 | 23 18 | 1 8 | 21 16 | 1 28 | 15 57 | 1 14 | 6 3 | 1 2 | 13 55 | 2 20 | 7 56 | 0 45 | 21 54 | 1 14 | 5 52 | 17 6 | 22 34 | 22 25 | 15 21 | 17 13 | 3 28 |
| W11 | 21 53 | 23 41 | 3 34 | 23 7 | 1 15 | 21 25 | 1 26 | 16 10 | 1 13 | 6 4 | 1 2 | 13 56 | 2 20 | 7 55 | 0 45 | 21 54 | 1 14 | 5 52 | 17 6 | 22 34 | 22 24 | 15 19 | 17 14 | 3 28 |
| T 12 | 21 44 | 20 42 | 4 25 | 22 54 | 1 22 | 21 33 | 1 24 | 16 22 | 1 13 | 6 5 | 1 3 | 13 58 | 2 20 | 7 54 | 0 45 | 21 54 | 1 14 | 5 51 | 17 5 | 22 34 | 22 24 | 15 16 | 17 14 | 3 28 |
| F 13 | 21 36 | 16 21 | 4 58 | 22 38 | 1 28 | 21 40 | 1 22 | 16 34 | 1 12 | 6 6 | 1 3 | 13 59 | 2 20 | 7 53 | 0 45 | 21 54 | 1 14 | 5 51 | 17 5 | 22 33 | 22 24 | 15 14 | 17 14 | 3 29 |
| S 14 | 21 26 | 11 3 | 5 10 | 22 20 | 1 34 | 21 46 | 1 19 | 16 46 | 1 12 | 6 6 | 1 3 | 14 0 | 2 21 | 7 51 | 0 45 | 21 54 | 1 14 | 5 50 | 17 4 | 22 33 | 22 23 | 15 12 | 17 15 | 3 29 |
| S 15 | 21 17 | 5 12 | 5 3 | 21 59 | 1 39 | 21 53 | 1 17 | 16 58 | 1 11 | 6 7 | 1 3 | 14 1 | 2 21 | 7 50 | 0 45 | 21 54 | 1 14 | 5 50 | 17 4 | 22 32 | 22 23 | 15 10 | 17 15 | 3 29 |
| M16 | 21 7 | 0n48 | 4 36 | 21 36 | 1 42 | 21 58 | 1 14 | 17 9 | 1 11 | 6 8 | 1 4 | 14 2 | 2 21 | 7 49 | 0 45 | 21 55 | 1 14 | 5 49 | 17 3 | 22 32 | 22 22 | 15 7 | 17 15 | 3 29 |
| T 17 | 20 57 | 6 37 | 3 54 | 21 11 | 1 45 | 22 3 | 1 12 | 17 21 | 1 10 | 6 9 | 1 4 | 14 3 | 2 21 | 7 48 | 0 45 | 21 55 | 1 14 | 5 48 | 17 3 | 22 32 | 22 22 | 15 5 | 17 16 | 3 30 |
| W18 | 20 46 | 11 59 | 3 0 | 20 44 | 1 48 | 22 7 | 1 10 | 17 32 | 1 10 | 6 11 | 1 4 | 14 4 | 2 22 | 7 47 | 0 45 | 21 55 | 1 14 | 5 48 | 17 2 | 22 32 | 22 22 | 15 3 | 17 16 | 3 30 |
| T 19 | 20 35 | 16 40 | 1 57 | 20 15 | 1 49 | 22 11 | 1 7 | 17 43 | 1 9 | 6 12 | 1 5 | 14 5 | 2 22 | 7 46 | 0 45 | 21 55 | 1 14 | 5 47 | 17 2 | 22 32 | 22 21 | 15 1 | 17 16 | 3 30 |
| F 20 | 20 24 | 20 28 | 0 49 | 19 45 | 1 50 | 22 14 | 1 5 | 17 54 | 1 8 | 6 13 | 1 5 | 14 6 | 2 22 | 7 45 | 0 45 | 21 55 | 1 14 | 5 46 | 17 1 | 22 32 | 22 21 | 14 58 | 17 17 | 3 30 |
| S 21 | 20 12 | 23 11 | 0n19 | 19 13 | 1 50 | 22 17 | 1 2 | 18 4 | 1 8 | 6 14 | 1 5 | 14 6 | 2 22 | 7 44 | 0 45 | 21 55 | 1 13 | 5 46 | 17 0 | 22 32 | 22 21 | 14 56 | 17 17 | 3 31 |
| S 22 | 20 0 | 24 44 | 1 26 | 18 40 | 1 50 | 22 18 | 1 0 | 18 15 | 1 7 | 6 16 | 1 5 | 14 7 | 2 22 | 7 43 | 0 45 | 21 55 | 1 13 | 5 45 | 17 0 | 22 32 | 22 20 | 14 54 | 17 17 | 3 31 |
| M23 | 19 48 | 25 2 | 2 27 | 18 5 | 1 49 | 22 20 | 0 57 | 18 25 | 1 7 | 6 17 | 1 6 | 14 8 | 2 23 | 7 41 | 0 45 | 21 55 | 1 13 | 5 44 | 16 59 | 22 32 | 22 20 | 14 51 | 17 17 | 3 31 |
| T 24 | 19 36 | 24 6 | 3 21 | 17 29 | 1 47 | 22 20 | 0 54 | 18 35 | 1 6 | 6 19 | 1 6 | 14 9 | 2 23 | 7 40 | 0 45 | 21 55 | 1 13 | 5 44 | 16 59 | 22 31 | 22 19 | 14 49 | 17 17 | 3 31 |
| W25 | 19 23 | 22 5 | 4 5 | 16 53 | 1 44 | 22 20 | 0 52 | 18 45 | 1 5 | 6 20 | 1 6 | 14 10 | 2 23 | 7 39 | 0 45 | 21 55 | 1 13 | 5 43 | 16 58 | 22 30 | 22 19 | 14 47 | 17 18 | 3 32 |
| T 26 | 19 9 | 19 6 | 4 38 | 16 15 | 1 41 | 22 20 | 0 49 | 18 55 | 1 5 | 6 22 | 1 6 | 14 10 | 2 23 | 7 38 | 0 45 | 21 56 | 1 13 | 5 42 | 16 58 | 22 29 | 22 19 | 14 44 | 17 18 | 3 32 |
| F 27 | 18 56 | 15 21 | 4 58 | 15 37 | 1 37 | 22 18 | 0 46 | 19 4 | 1 4 | 6 24 | 1 7 | 14 11 | 2 24 | 7 37 | 0 45 | 21 56 | 1 13 | 5 41 | 16 57 | 22 28 | 22 18 | 14 42 | 17 18 | 3 32 |
| S 28 | 18 42 | 11 2 | 5 6 | 14 58 | 1 33 | 22 17 | 0 44 | 19 14 | 1 3 | 6 26 | 1 7 | 14 12 | 2 24 | 7 35 | 0 45 | 21 56 | 1 13 | 5 41 | 16 57 | 22 27 | 22 18 | 14 40 | 17 18 | 3 32 |
| S 29 | 18 28 | 6 18 | 5 0 | 14 19 | 1 28 | 22 14 | 0 41 | 19 23 | 1 3 | 6 28 | 1 7 | 14 12 | 2 24 | 7 34 | 0 45 | 21 56 | 1 13 | 5 40 | 16 56 | 22 26 | 22 17 | 14 37 | 17 18 | 3 33 |
| M30 | 18 13 | 1 19 | 4 42 | 13 39 | 1 23 | 22 11 | 0 38 | 19 32 | 1 2 | 6 30 | 1 7 | 14 13 | 2 24 | 7 33 | 0 45 | 21 56 | 1 13 | 5 39 | 16 56 | 22 26 | 22 17 | 14 35 | 17 19 | 3 33 |
| T 31 | 17n58 | 3s46 | 4n11 | 12n59 | 1n17 | 22n 7 | 0s36 | 19n41 | 1s 1 | 6s32 | 1s 8 | 14n14 | 2s24 | 7n32 | 0n45 | 21s56 | 1n13 | 5n38 | 16n55 | 22n25 | 22n17 | 14n33 | 17n19 | 3s33 |

Julian Day Number = 2806011.5, Delta T = 51m43s
Ecliptic obliquity = 23°18'51, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°19'31, Lahiri = 37°26'32


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# ASTRODIENST EPHEMERIS for the year 2970
# geocentric

## AUGUST 2970 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 40 10 | 9♌43'21 | 1♏51 | 0♍35 | 13♋56 | 3♊51 | 15°R56 | 16♉ 1 | 12♍33 | 6°R33 | 26♎31 | 14°R29 | 13♊15 | 4♍36 | 3♊51 | W 1 |
| T 2 | 20 44 7 | 10°40'38 | 14°19 | 2°11 | 15° 8 | 4°33 | 15♓51 | 16° 4 | 12°37 | 6♑32 | 26°32 | 14°D29 | 13°12 | 4°43 | 3°53 | T 2 |
| F 3 | 20 48 4 | 11°37'55 | 27° 8 | 3°46 | 16°20 | 5°15 | 15°46 | 16° 7 | 12°40 | 6°31 | 26°33 | 14♊30 | 13° 9 | 4°50 | 3°55 | F 3 |
| S 4 | 20 52 0 | 12°35'12 | 10♐20 | 5°19 | 17°33 | 5°57 | 15°41 | 16° 9 | 12°43 | 6°29 | 26°34 | 14°R30 | 13° 6 | 4°57 | 3°57 | S 4 |
| S 5 | 20 55 57 | 13°32'30 | 24° 1 | 6°49 | 18°45 | 6°38 | 15°36 | 16°12 | 12°47 | 6°28 | 26°35 | 14°30 | 13° 3 | 5° 3 | 3°59 | S 5 |
| M 6 | 20 59 53 | 14°29'47 | 8♑10 | 8°18 | 19°58 | 7°20 | 15°30 | 16°14 | 12°50 | 6°27 | 26°36 | 14°28 | 13° 0 | 5°10 | 4° 1 | M 6 |
| T 7 | 21 3 50 | 15°27'05 | 22°46 | 9°44 | 21°10 | 8° 1 | 15°24 | 16°16 | 12°54 | 6°26 | 26°37 | 14°24 | 12°56 | 5°17 | 4° 3 | T 7 |
| W 8 | 21 7 46 | 16°24'24 | 7♒44 | 11° 9 | 22°23 | 8°42 | 15°19 | 16°18 | 12°57 | 6°25 | 26°38 | 14°17 | 12°53 | 5°23 | 4° 5 | W 8 |
| T 9 | 21 11 43 | 17°21'42 | 22°57 | 12°31 | 23°35 | 9°24 | 15°13 | 16°20 | 13° 0 | 6°24 | 26°39 | 14° 8 | 12°50 | 5°30 | 4° 6 | T 9 |
| F 10 | 21 15 39 | 18°19'01 | 8♓13 | 13°52 | 24°48 | 10° 5 | 15° 6 | 16°22 | 13° 4 | 6°22 | 26°40 | 13°59 | 12°47 | 5°37 | 4° 8 | F 10 |
| S 11 | 21 19 36 | 19°16'21 | 23°21 | 15°10 | 26° 1 | 10°46 | 15° 0 | 16°24 | 13° 7 | 6°21 | 26°41 | 13°50 | 12°44 | 5°44 | 4°10 | S 11 |
| S 12 | 21 23 33 | 20°13'42 | 8♈13 | 16°26 | 27°14 | 11°27 | 14°54 | 16°26 | 13°11 | 6°20 | 26°42 | 13°43 | 12°41 | 5°50 | 4°11 | S 12 |
| M13 | 21 27 29 | 21°11'04 | 22°41 | 17°40 | 28°26 | 12° 7 | 14°47 | 16°27 | 13°14 | 6°19 | 26°44 | 13°38 | 12°37 | 5°57 | 4°13 | M13 |
| T 14 | 21 31 26 | 22° 8'26 | 6♉42 | 18°52 | 29°39 | 12°48 | 14°41 | 16°29 | 13°18 | 6°18 | 26°45 | 13°35 | 12°34 | 6° 4 | 4°14 | T 14 |
| W15 | 21 35 22 | 23° 5'50 | 20°16 | 20° 1 | 0♌52 | 13°29 | 14°34 | 16°30 | 13°22 | 6°17 | 26°46 | 13°D34 | 12°31 | 6°10 | 4°16 | W15 |
| T 16 | 21 39 19 | 24° 3'15 | 3♊25 | 21° 8 | 2° 5 | 14° 9 | 14°27 | 16°32 | 13°25 | 6°16 | 26°47 | 13°34 | 12°28 | 6°17 | 4°17 | T 16 |
| F 17 | 21 43 15 | 25° 0'41 | 16°13 | 22°12 | 3°18 | 14°49 | 14°20 | 16°33 | 13°29 | 6°15 | 26°49 | 13°R34 | 12°25 | 6°24 | 4°19 | F 17 |
| S 18 | 21 47 12 | 25°58'08 | 28°43 | 23°14 | 4°31 | 15°30 | 14°13 | 16°34 | 13°32 | 6°14 | 26°50 | 13°33 | 12°21 | 6°31 | 4°20 | S 18 |
| S 19 | 21 51 8 | 26°55'36 | 11♋ 0 | 24°13 | 5°44 | 16°10 | 14° 6 | 16°35 | 13°36 | 6°14 | 26°51 | 13°30 | 12°18 | 6°37 | 4°21 | S 19 |
| M20 | 21 55 5 | 27°53'05 | 23° 8 | 25° 9 | 6°57 | 16°50 | 13°59 | 16°36 | 13°40 | 6°13 | 26°53 | 13°25 | 12°15 | 6°44 | 4°22 | M20 |
| T 21 | 21 59 2 | 28°50'35 | 5♌ 8 | 26° 2 | 8°10 | 17°29 | 13°52 | 16°37 | 13°43 | 6°12 | 26°54 | 13°16 | 12°12 | 6°51 | 4°23 | T 21 |
| W22 | 22 2 58 | 29°48'06 | 17° 4 | 26°52 | 9°23 | 18° 9 | 13°44 | 16°37 | 13°47 | 6°11 | 26°56 | 13° 5 | 12° 9 | 6°58 | 4°24 | W22 |
| T 23 | 22 6 55 | 0♍45'38 | 28°57 | 27°39 | 10°37 | 18°49 | 13°37 | 16°38 | 13°51 | 6°10 | 26°57 | 12°52 | 12° 6 | 7° 4 | 4°25 | T 23 |
| F 24 | 22 10 51 | 1°43'11 | 10♍49 | 28°22 | 11°50 | 19°28 | 13°29 | 16°38 | 13°54 | 6°10 | 26°59 | 12°39 | 12° 2 | 7°11 | 4°26 | F 24 |
| S 25 | 22 14 48 | 2°40'45 | 22°41 | 29° 1 | 13° 3 | 20° 8 | 13°22 | 16°39 | 13°58 | 6° 9 | 27° 0 | 12°25 | 11°59 | 7°18 | 4°27 | S 25 |
| S 26 | 22 18 44 | 3°38'20 | 4♎35 | 29°37 | 14°16 | 20°47 | 13°14 | 16°39 | 14° 2 | 6° 8 | 27° 2 | 12°13 | 11°56 | 7°24 | 4°28 | S 26 |
| M27 | 22 22 41 | 4°35'56 | 16°32 | 0♎ 9 | 15°30 | 21°26 | 13° 7 | 16°39 | 14° 5 | 6° 7 | 27° 3 | 12° 3 | 11°53 | 7°31 | 4°29 | M27 |
| T 28 | 22 26 37 | 5°33'33 | 28°36 | 0°36 | 16°43 | 22° 5 | 12°59 | 16°R39 | 14° 9 | 6° 7 | 27° 5 | 11°56 | 11°50 | 7°38 | 4°29 | T 28 |
| W29 | 22 30 34 | 6°31'10 | 10♏50 | 0°59 | 17°56 | 22°43 | 12°51 | 16°39 | 14°13 | 6° 6 | 27° 7 | 11°52 | 11°46 | 7°45 | 4°30 | W29 |
| T 30 | 22 34 31 | 7°28'49 | 23°17 | 1°18 | 19°10 | 23°22 | 12°43 | 16°39 | 14°17 | 6° 6 | 27° 8 | 11°50 | 11°43 | 7°51 | 4°31 | T 30 |
| F 31 | 22 38 27 | 8♍26'29 | 6♐ 2 | 1♎31 | 20♌23 | 24♊ 1 | 12♓35 | 16♉39 | 14♍20 | 6♑ 5 | 27♎10 | 11♊49 | 11♊40 | 7♍58 | 4♊31 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n43 | 8s48 | 3n28 | 12n19 | 1n11 | 22n 3 | 0s33 | 19n49 | 1s 1 | 6s34 | 1s 8 | 14n14 | 2s25 | 7n30 | 0n45 | 21s56 | 1n13 | 5n38 | 16n55 | 22n25 | 22n16 | 14n30 | 17n19 | 3s33 |
| T 2 | 17 28 | 13 36 | 2 34 | 11 38 | 1 4 | 21 58 | 0 30 | 19 57 | 1 0 | 6 36 | 1 8 | 14 15 | 2 25 | 7 29 | 0 45 | 21 56 | 1 13 | 5 37 | 16 54 | 22 25 | 22 16 | 14 28 | 17 19 | 3 34 |
| F 3 | 17 12 | 17 56 | 1 32 | 10 58 | 0 57 | 21 52 | 0 27 | 20 6 | 0 59 | 6 38 | 1 8 | 14 15 | 2 25 | 7 28 | 0 45 | 21 56 | 1 13 | 5 36 | 16 54 | 22 25 | 22 16 | 14 26 | 17 19 | 3 34 |
| S 4 | 16 56 | 21 31 | 0 22 | 10 17 | 0 49 | 21 46 | 0 25 | 20 14 | 0 58 | 6 40 | 1 9 | 14 16 | 2 25 | 7 26 | 0 45 | 21 56 | 1 13 | 5 35 | 16 53 | 22 25 | 22 15 | 14 23 | 17 19 | 3 34 |
| S 5 | 16 40 | 24 1 | 0s51 | 9 36 | 0 41 | 21 39 | 0 22 | 20 21 | 0 58 | 6 43 | 1 9 | 14 16 | 2 26 | 7 25 | 0 45 | 21 56 | 1 13 | 5 34 | 16 52 | 22 25 | 22 15 | 14 21 | 17 19 | 3 35 |
| M 6 | 16 24 | 25 6 | 2 3 | 8 56 | 0 33 | 21 31 | 0 19 | 20 29 | 0 57 | 6 45 | 1 9 | 14 17 | 2 26 | 7 24 | 0 45 | 21 57 | 1 13 | 5 34 | 16 52 | 22 25 | 22 14 | 14 19 | 17 19 | 3 35 |
| T 7 | 16 7 | 24 31 | 3 9 | 8 15 | 0 24 | 21 23 | 0 16 | 20 36 | 0 56 | 6 47 | 1 9 | 14 17 | 2 26 | 7 23 | 0 45 | 21 57 | 1 13 | 5 33 | 16 51 | 22 24 | 22 14 | 14 16 | 17 19 | 3 35 |
| W 8 | 15 50 | 22 10 | 4 4 | 7 35 | 0 16 | 21 15 | 0 14 | 20 44 | 0 55 | 6 50 | 1 9 | 14 17 | 2 26 | 7 21 | 0 45 | 21 57 | 1 13 | 5 32 | 16 51 | 22 24 | 22 14 | 14 14 | 17 19 | 3 35 |
| T 9 | 15 33 | 18 15 | 4 43 | 6 55 | 0 6 | 21 5 | 0 11 | 20 51 | 0 55 | 6 52 | 1 10 | 14 18 | 2 27 | 7 20 | 0 45 | 21 57 | 1 13 | 5 31 | 16 50 | 22 23 | 22 13 | 14 11 | 17 19 | 3 36 |
| F 10 | 15 16 | 13 6 | 5 2 | 6 16 | 0s 3 | 20 55 | 0 8 | 20 57 | 0 54 | 6 55 | 1 10 | 14 18 | 2 27 | 7 19 | 0 45 | 21 57 | 1 13 | 5 30 | 16 50 | 22 22 | 22 13 | 14 9 | 17 19 | 3 36 |
| S 11 | 14 58 | 7 12 | 4 59 | 5 37 | 0 13 | 20 45 | 0 5 | 21 4 | 0 53 | 6 57 | 1 10 | 14 18 | 2 27 | 7 17 | 0 45 | 21 57 | 1 13 | 5 29 | 16 49 | 22 21 | 22 12 | 14 7 | 17 19 | 3 36 |
| S 12 | 14 40 | 0 59 | 4 36 | 4 58 | 0 23 | 20 34 | 0 3 | 21 11 | 0 52 | 7 0 | 1 10 | 14 18 | 2 27 | 7 16 | 0 45 | 21 57 | 1 13 | 5 29 | 16 49 | 22 20 | 22 12 | 14 4 | 17 19 | 3 37 |
| M13 | 14 22 | 5n 7 | 3 56 | 4 20 | 0 34 | 20 22 | 0n 0 | 21 17 | 0 51 | 7 3 | 1 11 | 14 19 | 2 28 | 7 14 | 0 45 | 21 57 | 1 13 | 5 28 | 16 48 | 22 19 | 22 12 | 14 2 | 17 19 | 3 37 |
| T 14 | 14 3 | 10 48 | 3 3 | 3 42 | 0 44 | 20 10 | 0 3 | 21 23 | 0 50 | 7 5 | 1 11 | 14 19 | 2 28 | 7 13 | 0 45 | 21 57 | 1 13 | 5 27 | 16 48 | 22 19 | 22 11 | 13 59 | 17 19 | 3 37 |
| W15 | 13 45 | 15 47 | 2 1 | 3 6 | 0 55 | 19 57 | 0 5 | 21 29 | 0 50 | 7 8 | 1 11 | 14 19 | 2 28 | 7 12 | 0 45 | 21 57 | 1 13 | 5 26 | 16 48 | 22 19 | 22 11 | 13 57 | 17 19 | 3 37 |
| T 16 | 13 26 | 19 51 | 0 54 | 2 29 | 1 6 | 19 43 | 0 8 | 21 34 | 0 49 | 7 11 | 1 11 | 14 19 | 2 28 | 7 10 | 0 45 | 21 57 | 1 13 | 5 25 | 16 47 | 22 19 | 22 10 | 13 55 | 17 19 | 3 38 |
| F 17 | 13 7 | 22 50 | 0n14 | 1 54 | 1 17 | 19 29 | 0 11 | 21 40 | 0 48 | 7 14 | 1 11 | 14 19 | 2 29 | 7 9 | 0 45 | 21 57 | 1 13 | 5 24 | 16 47 | 22 19 | 22 10 | 13 52 | 17 19 | 3 38 |
| S 18 | 12 48 | 24 38 | 1 19 | 1 20 | 1 28 | 19 15 | 0 13 | 21 45 | 0 47 | 7 17 | 1 11 | 14 19 | 2 29 | 7 8 | 0 45 | 21 58 | 1 13 | 5 23 | 16 46 | 22 18 | 22 9 | 13 50 | 17 19 | 3 38 |
| S 19 | 12 28 | 25 11 | 2 20 | 0 46 | 1 39 | 19 0 | 0 16 | 21 50 | 0 46 | 7 20 | 1 12 | 14 19 | 2 29 | 7 6 | 0 45 | 21 58 | 1 13 | 5 22 | 16 46 | 22 18 | 22 9 | 13 47 | 17 19 | 3 39 |
| M20 | 12 9 | 24 31 | 3 13 | 0 14 | 1 50 | 18 44 | 0 18 | 21 55 | 0 45 | 7 22 | 1 12 | 14 19 | 2 29 | 7 5 | 0 45 | 21 58 | 1 13 | 5 21 | 16 45 | 22 17 | 22 9 | 13 45 | 17 19 | 3 39 |
| T 21 | 11 49 | 22 43 | 3 57 | 0s18 | 2 2 | 18 28 | 0 21 | 22 0 | 0 44 | 7 25 | 1 12 | 14 19 | 2 30 | 7 3 | 0 45 | 21 58 | 1 12 | 5 21 | 16 45 | 22 16 | 22 8 | 13 43 | 17 19 | 3 39 |
| W22 | 11 29 | 19 56 | 4 30 | 0 48 | 2 13 | 18 11 | 0 23 | 22 4 | 0 43 | 7 28 | 1 12 | 14 19 | 2 30 | 7 2 | 0 45 | 21 58 | 1 12 | 5 20 | 16 44 | 22 15 | 22 8 | 13 40 | 17 19 | 3 39 |
| T 23 | 11 9 | 16 20 | 4 51 | 1 17 | 2 25 | 17 54 | 0 26 | 22 9 | 0 42 | 7 31 | 1 12 | 14 19 | 2 30 | 7 1 | 0 45 | 21 58 | 1 12 | 5 19 | 16 44 | 22 13 | 22 7 | 13 38 | 17 19 | 3 40 |
| F 24 | 10 48 | 12 6 | 5 0 | 1 44 | 2 36 | 17 36 | 0 28 | 22 13 | 0 41 | 7 34 | 1 12 | 14 19 | 2 30 | 6 59 | 0 45 | 21 58 | 1 12 | 5 18 | 16 43 | 22 12 | 22 7 | 13 35 | 17 19 | 3 40 |
| S 25 | 10 28 | 7 25 | 4 55 | 2 10 | 2 47 | 17 18 | 0 31 | 22 17 | 0 40 | 7 37 | 1 13 | 14 19 | 2 31 | 6 58 | 0 45 | 21 58 | 1 12 | 5 17 | 16 43 | 22 10 | 22 7 | 13 33 | 17 19 | 3 40 |
| S 26 | 10 7 | 2 26 | 4 38 | 2 35 | 2 58 | 16 59 | 0 33 | 22 20 | 0 39 | 7 40 | 1 13 | 14 19 | 2 31 | 6 56 | 0 45 | 21 58 | 1 12 | 5 16 | 16 43 | 22 8 | 22 6 | 13 30 | 17 18 | 3 41 |
| M27 | 9 46 | 2s39 | 4 8 | 2 57 | 3 9 | 16 40 | 0 35 | 22 24 | 0 38 | 7 44 | 1 13 | 14 19 | 2 31 | 6 55 | 0 45 | 21 58 | 1 12 | 5 15 | 16 42 | 22 7 | 22 6 | 13 28 | 17 18 | 3 41 |
| T 28 | 9 26 | 7 42 | 3 27 | 3 18 | 3 20 | 16 21 | 0 38 | 22 27 | 0 37 | 7 47 | 1 13 | 14 18 | 2 31 | 6 53 | 0 45 | 21 58 | 1 12 | 5 14 | 16 42 | 22 6 | 22 5 | 13 25 | 17 18 | 3 41 |
| W29 | 9 4 | 12 32 | 2 36 | 3 37 | 3 31 | 16 1 | 0 40 | 22 31 | 0 36 | 7 50 | 1 13 | 14 18 | 2 32 | 6 52 | 0 45 | 21 58 | 1 12 | 5 13 | 16 41 | 22 6 | 22 5 | 13 23 | 17 18 | 3 42 |
| T 30 | 8 43 | 16 57 | 1 36 | 3 53 | 3 41 | 15 40 | 0 42 | 22 34 | 0 35 | 7 53 | 1 13 | 14 18 | 2 32 | 6 51 | 0 45 | 21 58 | 1 12 | 5 12 | 16 41 | 22 5 | 22 4 | 13 21 | 17 18 | 3 42 |
| F 31 | 8n22 | 20s42 | 0n31 | 4s 7 | 3s50 | 15n19 | 0n44 | 22n37 | 0s34 | 7s56 | 1s13 | 14n18 | 2s32 | 6n49 | 0n45 | 21s59 | 1n12 | 5n11 | 16n41 | 22n 5 | 22n 4 | 13n18 | 17n17 | 3s42 |

Julian Day Number = 2806042.5, Delta T = 51m43s
Ecliptic obliquity = 23°18'51, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°19'36, Lahiri = 37°26'36


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# ASTRODIENST EPHEMERIS for the year 2970
# geocentric

## SEPTEMBER 2970 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 42 24 | 9♍24'09 | 19♐ 9 | 1♎39 | 21♌37 | 24♊39 | 12°R28 | 16°R38 | 14♍24 | 6°R 5 | 27♎12 | 11°R49 | 11♊37 | 8♍ 5 | 4♊32 | S 1 |
| S 2 | 22 46 20 | 10°21'51 | 2♑42 | 1°R42 | 22°50 | 25°17 | 12♓20 | 16♉38 | 14°28 | 6♑ 4 | 27°13 | 11♊48 | 11°34 | 8°11 | 4°32 | S 2 |
| M 3 | 22 50 17 | 11°19'33 | 16°43 | 1°40 | 24° 4 | 25°55 | 12°12 | 16°37 | 14°32 | 6° 4 | 27°15 | 11°46 | 11°31 | 8°18 | 4°32 | M 3 |
| T 4 | 22 54 13 | 12°17'17 | 1♒13 | 1°32 | 25°17 | 26°33 | 12° 4 | 16°37 | 14°35 | 6° 3 | 27°17 | 11°41 | 11°27 | 8°25 | 4°33 | T 4 |
| W 5 | 22 58 10 | 13°15'01 | 16° 8 | 1°18 | 26°31 | 27°11 | 11°56 | 16°36 | 14°39 | 6° 3 | 27°19 | 11°33 | 11°24 | 8°32 | 4°33 | W 5 |
| T 6 | 23 2 6 | 14°12'47 | 1♓20 | 0°58 | 27°45 | 27°48 | 11°48 | 16°35 | 14°43 | 6° 2 | 27°21 | 11°23 | 11°21 | 8°38 | 4°33 | T 6 |
| F 7 | 23 6 3 | 15°10'34 | 16°40 | 0°33 | 28°58 | 28°26 | 11°40 | 16°34 | 14°47 | 6° 2 | 27°23 | 11°12 | 11°18 | 8°45 | 4°33 | F 7 |
| S 8 | 23 10 0 | 16° 8'22 | 1♈57 | 0° 2 | 0♍12 | 29° 3 | 11°33 | 16°33 | 14°50 | 6° 2 | 27°24 | 11° 2 | 11°15 | 8°52 | 4°R33 | S 8 |
| S 9 | 23 13 56 | 17° 6'12 | 16°59 | 29♍25 | 1°26 | 29°40 | 11°25 | 16°32 | 14°54 | 6° 1 | 27°26 | 10°53 | 11°12 | 8°59 | 4°33 | S 9 |
| M10 | 23 17 53 | 18° 4'03 | 1♉37 | 28°44 | 2°40 | 0♋17 | 11°17 | 16°31 | 14°58 | 6° 1 | 27°28 | 10°46 | 11° 8 | 9° 5 | 4°33 | M10 |
| T 11 | 23 21 49 | 19° 1'56 | 15°47 | 27°58 | 3°54 | 0°54 | 11° 9 | 16°29 | 15° 2 | 6° 1 | 27°30 | 10°42 | 11° 5 | 9°12 | 4°33 | T 11 |
| W12 | 23 25 46 | 19°59'51 | 29°28 | 27° 8 | 5° 7 | 1°30 | 11° 2 | 16°28 | 15° 5 | 6° 1 | 27°32 | 10°40 | 11° 2 | 9°19 | 4°33 | W12 |
| T 13 | 23 29 42 | 20°57'47 | 12♊41 | 26°15 | 6°21 | 2° 7 | 10°54 | 16°26 | 15° 9 | 6° 1 | 27°34 | 10°D40 | 10°59 | 9°25 | 4°32 | T 13 |
| F 14 | 23 33 39 | 21°55'45 | 25°29 | 25°20 | 7°35 | 2°43 | 10°46 | 16°25 | 15°13 | 6° 1 | 27°36 | 10°R40 | 10°56 | 9°32 | 4°32 | F 14 |
| S 15 | 23 37 35 | 22°53'46 | 7♋57 | 24°23 | 8°49 | 3°19 | 10°39 | 16°23 | 15°17 | 6° 1 | 27°38 | 10°39 | 10°52 | 9°39 | 4°32 | S 15 |
| S 16 | 23 41 32 | 23°51'48 | 20°10 | 23°27 | 10° 3 | 3°55 | 10°31 | 16°21 | 15°20 | 6° 0 | 27°40 | 10°36 | 10°49 | 9°46 | 4°31 | S 16 |
| M17 | 23 45 29 | 24°49'51 | 2♌12 | 22°32 | 11°17 | 4°31 | 10°24 | 16°19 | 15°24 | 6°D 0 | 27°42 | 10°31 | 10°46 | 9°52 | 4°31 | M17 |
| T 18 | 23 49 25 | 25°47'57 | 14° 8 | 21°39 | 12°32 | 5° 6 | 10°17 | 16°17 | 15°28 | 6° 0 | 27°44 | 10°23 | 10°43 | 9°59 | 4°30 | T 18 |
| W19 | 23 53 22 | 26°46'04 | 26° 0 | 20°50 | 13°46 | 5°42 | 10° 9 | 16°15 | 15°31 | 6° 1 | 27°46 | 10°13 | 10°40 | 10° 6 | 4°30 | W19 |
| T 20 | 23 57 18 | 27°44'13 | 7♍52 | 20° 6 | 15° 0 | 6°17 | 10° 2 | 16°13 | 15°35 | 6° 1 | 27°48 | 10° 1 | 10°37 | 10°13 | 4°29 | T 20 |
| F 21 | 0 1 15 | 28°42'24 | 19°44 | 19°28 | 16°14 | 6°52 | 9°55 | 16°10 | 15°39 | 6° 1 | 27°50 | 9°47 | 10°33 | 10°19 | 4°28 | F 21 |
| S 22 | 0 5 11 | 29°40'36 | 1♎40 | 18°57 | 17°28 | 7°27 | 9°48 | 16° 8 | 15°42 | 6° 1 | 27°53 | 9°34 | 10°30 | 10°26 | 4°27 | S 22 |
| S 23 | 0 9 8 | 0♎38'50 | 13°39 | 18°33 | 18°42 | 8° 1 | 9°41 | 16° 5 | 15°46 | 6° 1 | 27°55 | 9°23 | 10°27 | 10°33 | 4°27 | S 23 |
| M24 | 0 13 4 | 1°37'06 | 25°45 | 18°17 | 19°57 | 8°35 | 9°34 | 16° 3 | 15°50 | 6° 1 | 27°57 | 9°13 | 10°24 | 10°39 | 4°26 | M24 |
| T 25 | 0 17 1 | 2°35'23 | 7♏57 | 18°D10 | 21°11 | 9°10 | 9°28 | 16° 0 | 15°53 | 6° 1 | 27°59 | 9° 6 | 10°21 | 10°46 | 4°25 | T 25 |
| W26 | 0 20 57 | 3°33'42 | 20°18 | 18°13 | 22°25 | 9°43 | 9°21 | 15°57 | 15°57 | 6° 2 | 28° 1 | 9° 2 | 10°18 | 10°53 | 4°24 | W26 |
| T 27 | 0 24 54 | 4°32'02 | 2♐51 | 18°24 | 23°40 | 10°17 | 9°15 | 15°54 | 16° 1 | 6° 2 | 28° 3 | 9° 1 | 10°14 | 11° 0 | 4°23 | T 27 |
| F 28 | 0 28 51 | 5°30'24 | 15°39 | 18°44 | 24°54 | 10°51 | 9° 8 | 15°51 | 16° 4 | 6° 2 | 28° 6 | 9°D 1 | 10°11 | 11° 6 | 4°21 | F 28 |
| S 29 | 0 32 47 | 6°28'48 | 28°45 | 19°14 | 26° 8 | 11°24 | 9° 2 | 15°48 | 16° 8 | 6° 3 | 28° 8 | 9° 1 | 10° 8 | 11°13 | 4°20 | S 29 |
| S 30 | 0 36 44 | 7♎27'13 | 12♑13 | 19♍52 | 27♍23 | 11♋57 | 8♓56 | 15♉45 | 16♍11 | 6♑ 3 | 28♎10 | 9°R 1 | 10♊ 5 | 11♍20 | 4♊19 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 8n 0 | 23s31 | 0s39 | 4s19 | 3s59 | 14n58 | 0n47 | 22n39 | 0s33 | 7s59 | 1s13 | 14n17 | 2s32 | 6n48 | 0n45 | 21s59 | 1n12 | 5n10 | 16n40 | 22n 5 | 22n 4 | 13n16 | 17n17 | 3s43 |
| S 2 | 7 39 | 25 5 | 1 48 | 4 28 | 4 8 | 14 36 | 0 49 | 22 42 | 0 32 | 8 2 | 1 14 | 14 17 | 2 33 | 6 46 | 0 45 | 21 59 | 1 12 | 5 9 | 16 40 | 22 5 | 22 3 | 13 13 | 17 17 | 3 43 |
| M 3 | 7 17 | 25 8 | 2 53 | 4 34 | 4 15 | 14 14 | 0 51 | 22 44 | 0 31 | 8 5 | 1 14 | 14 17 | 2 33 | 6 45 | 0 45 | 21 59 | 1 12 | 5 8 | 16 39 | 22 5 | 22 3 | 13 11 | 17 17 | 3 43 |
| T 4 | 6 55 | 23 31 | 3 49 | 4 37 | 4 22 | 13 51 | 0 53 | 22 46 | 0 30 | 8 8 | 1 14 | 14 16 | 2 33 | 6 43 | 0 45 | 21 59 | 1 12 | 5 7 | 16 39 | 22 4 | 22 2 | 13 8 | 17 16 | 3 43 |
| W 5 | 6 33 | 20 14 | 4 32 | 4 37 | 4 28 | 13 28 | 0 55 | 22 48 | 0 29 | 8 11 | 1 14 | 14 16 | 2 33 | 6 42 | 0 45 | 21 59 | 1 12 | 5 7 | 16 39 | 22 3 | 22 2 | 13 6 | 17 16 | 3 44 |
| T 6 | 6 11 | 15 33 | 4 56 | 4 33 | 4 32 | 13 5 | 0 56 | 22 50 | 0 28 | 8 14 | 1 14 | 14 15 | 2 33 | 6 40 | 0 45 | 21 59 | 1 12 | 5 6 | 16 38 | 22 2 | 22 1 | 13 3 | 17 16 | 3 44 |
| F 7 | 5 49 | 9 49 | 4 59 | 4 26 | 4 36 | 12 41 | 0 58 | 22 52 | 0 27 | 8 17 | 1 14 | 14 15 | 2 34 | 6 39 | 0 45 | 21 59 | 1 12 | 5 5 | 16 38 | 22 0 | 22 1 | 13 1 | 17 16 | 3 44 |
| S 8 | 5 26 | 3 31 | 4 41 | 4 16 | 4 38 | 12 17 | 1 0 | 22 53 | 0 25 | 8 20 | 1 14 | 14 14 | 2 34 | 6 38 | 0 45 | 21 59 | 1 12 | 5 4 | 16 38 | 21 59 | 22 1 | 12 58 | 17 15 | 3 45 |
| S 9 | 5 4 | 2n53 | 4 3 | 4 2 | 4 38 | 11 52 | 1 2 | 22 55 | 0 24 | 8 23 | 1 14 | 14 14 | 2 34 | 6 36 | 0 45 | 21 59 | 1 12 | 5 3 | 16 37 | 21 58 | 22 0 | 12 56 | 17 15 | 3 45 |
| M10 | 4 42 | 9 0 | 3 11 | 3 44 | 4 37 | 11 28 | 1 4 | 22 56 | 0 23 | 8 26 | 1 14 | 14 13 | 2 34 | 6 35 | 0 45 | 21 59 | 1 12 | 5 2 | 16 37 | 21 57 | 22 0 | 12 53 | 17 15 | 3 45 |
| T 11 | 4 19 | 14 27 | 2 7 | 3 23 | 4 34 | 11 3 | 1 5 | 22 57 | 0 22 | 8 29 | 1 14 | 14 12 | 2 35 | 6 33 | 0 45 | 21 59 | 1 12 | 5 1 | 16 37 | 21 56 | 21 59 | 12 51 | 17 14 | 3 46 |
| W12 | 3 57 | 18 58 | 0 59 | 2 59 | 4 29 | 10 37 | 1 7 | 22 58 | 0 21 | 8 32 | 1 14 | 14 12 | 2 35 | 6 32 | 0 45 | 21 59 | 1 12 | 5 0 | 16 36 | 21 56 | 21 59 | 12 48 | 17 14 | 3 46 |
| T 13 | 3 34 | 22 23 | 0n11 | 2 32 | 4 23 | 10 12 | 1 8 | 22 58 | 0 20 | 8 35 | 1 14 | 14 11 | 2 35 | 6 30 | 0 45 | 21 59 | 1 11 | 4 59 | 16 36 | 21 56 | 21 58 | 12 46 | 17 14 | 3 46 |
| F 14 | 3 11 | 24 32 | 1 18 | 2 3 | 4 14 | 9 46 | 1 10 | 22 59 | 0 18 | 8 38 | 1 14 | 14 11 | 2 35 | 6 29 | 0 45 | 21 59 | 1 11 | 4 58 | 16 36 | 21 56 | 21 58 | 12 43 | 17 13 | 3 47 |
| S 15 | 2 48 | 25 23 | 2 19 | 1 31 | 4 4 | 9 19 | 1 11 | 22 59 | 0 17 | 8 41 | 1 14 | 14 10 | 2 36 | 6 28 | 0 45 | 21 59 | 1 11 | 4 57 | 16 35 | 21 56 | 21 57 | 12 41 | 17 13 | 3 47 |
| S 16 | 2 26 | 24 59 | 3 13 | 0 57 | 3 51 | 8 53 | 1 13 | 22 59 | 0 16 | 8 44 | 1 14 | 14 9 | 2 36 | 6 26 | 0 45 | 21 59 | 1 11 | 4 56 | 16 35 | 21 55 | 21 57 | 12 38 | 17 13 | 3 47 |
| M17 | 2 3 | 23 25 | 3 57 | 0 23 | 3 37 | 8 26 | 1 14 | 23 0 | 0 15 | 8 47 | 1 14 | 14 8 | 2 36 | 6 25 | 0 45 | 22 0 | 1 11 | 4 55 | 16 35 | 21 55 | 21 57 | 12 35 | 17 12 | 3 47 |
| T 18 | 1 40 | 20 49 | 4 30 | 0n12 | 3 22 | 7 59 | 1 15 | 23 0 | 0 13 | 8 49 | 1 14 | 14 8 | 2 36 | 6 23 | 0 45 | 22 0 | 1 11 | 4 54 | 16 35 | 21 53 | 21 56 | 12 33 | 17 12 | 3 48 |
| W19 | 1 17 | 17 22 | 4 52 | 0 46 | 3 5 | 7 32 | 1 16 | 22 59 | 0 12 | 8 52 | 1 14 | 14 7 | 2 36 | 6 22 | 0 45 | 22 0 | 1 11 | 4 53 | 16 34 | 21 52 | 21 56 | 12 30 | 17 11 | 3 48 |
| T 20 | 0 54 | 13 14 | 5 1 | 1 20 | 2 47 | 7 4 | 1 17 | 22 59 | 0 11 | 8 55 | 1 14 | 14 6 | 2 37 | 6 20 | 0 45 | 22 0 | 1 11 | 4 52 | 16 34 | 21 50 | 21 55 | 12 28 | 17 11 | 3 48 |
| F 21 | 0 31 | 8 35 | 4 56 | 1 52 | 2 29 | 6 37 | 1 18 | 22 59 | 0 10 | 8 58 | 1 14 | 14 5 | 2 37 | 6 19 | 0 45 | 22 0 | 1 11 | 4 51 | 16 34 | 21 48 | 21 55 | 12 25 | 17 11 | 3 49 |
| S 22 | 0 8 | 3 37 | 4 39 | 2 22 | 2 9 | 6 9 | 1 19 | 22 58 | 0 8 | 9 0 | 1 14 | 14 4 | 2 37 | 6 18 | 0 45 | 22 0 | 1 11 | 4 50 | 16 34 | 21 46 | 21 54 | 12 23 | 17 10 | 3 49 |
| S 23 | 0s15 | 1s31 | 4 10 | 2 49 | 1 50 | 5 41 | 1 20 | 22 58 | 0 7 | 9 3 | 1 14 | 14 3 | 2 37 | 6 16 | 0 45 | 22 0 | 1 11 | 4 49 | 16 33 | 21 44 | 21 54 | 12 20 | 17 10 | 3 49 |
| M24 | 0 38 | 6 39 | 3 28 | 3 13 | 1 30 | 5 13 | 1 21 | 22 57 | 0 5 | 9 5 | 1 14 | 14 2 | 2 37 | 6 15 | 0 45 | 22 0 | 1 11 | 4 48 | 16 33 | 21 43 | 21 53 | 12 18 | 17 9 | 3 50 |
| T 25 | 1 1 | 11 36 | 2 37 | 3 34 | 1 11 | 4 44 | 1 22 | 22 56 | 0 4 | 9 8 | 1 14 | 14 1 | 2 38 | 6 13 | 0 45 | 22 0 | 1 11 | 4 48 | 16 33 | 21 42 | 21 53 | 12 15 | 17 9 | 3 50 |
| W26 | 1 25 | 16 9 | 1 38 | 3 50 | 0 52 | 4 16 | 1 23 | 22 55 | 0 3 | 9 10 | 1 14 | 14 0 | 2 38 | 6 12 | 0 45 | 22 0 | 1 11 | 4 47 | 16 33 | 21 41 | 21 53 | 12 12 | 17 8 | 3 50 |
| T 27 | 1 48 | 20 5 | 0 33 | 4 3 | 0 34 | 3 47 | 1 23 | 22 54 | 0 1 | 9 13 | 1 14 | 13 59 | 2 38 | 6 11 | 0 45 | 22 0 | 1 11 | 4 46 | 16 32 | 21 41 | 21 52 | 12 10 | 17 8 | 3 50 |
| F 28 | 2 11 | 23 8 | 0s35 | 4 11 | 0 16 | 3 18 | 1 24 | 22 53 | 0n 0 | 9 15 | 1 14 | 13 58 | 2 38 | 6 9 | 0 45 | 22 0 | 1 11 | 4 45 | 16 32 | 21 41 | 21 52 | 12 7 | 17 7 | 3 51 |
| S 29 | 2 34 | 25 2 | 1 43 | 4 15 | 0n 1 | 2 49 | 1 25 | 22 51 | 0 1 | 9 17 | 1 14 | 13 57 | 2 38 | 6 8 | 0 45 | 22 0 | 1 11 | 4 44 | 16 32 | 21 41 | 21 51 | 12 5 | 17 7 | 3 51 |
| S 30 | 2s57 | 25s32 | 2s48 | 4n15 | 0n16 | 2n20 | 1n25 | 22n50 | 0n 3 | 9s19 | 1s14 | 13n56 | 2s38 | 6n 6 | 0n45 | 22s 0 | 1n11 | 4n43 | 16n32 | 21n41 | 21n51 | 12n 2 | 17n 6 | 3s51 |

Julian Day Number = 2806073.5, Delta T = 51m44s
Ecliptic obliquity = 23°18'52, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°19'40, Lahiri = 37°26'40


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# ASTRODIENST EPHEMERIS for the year 2970
# geocentric

## OCTOBER 2970 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 0 40 40 | 8♎25'40 | 26♉ 5 | 20♍38 | 28♍37 | 12♋29 | 8°R50 | 15°R42 | 16♍15 | 6♉ 4 | 28♎12 | 9°R 0 | 10♊ 2 | 11♍26 | 4°R18 | M 1 |
| T 2 | 0 44 37 | 9°24'08 | 10♒22 | 21°33 | 29°52 | 13° 2 | 8♓44 | 15♉38 | 16°19 | 6° 4 | 28°15 | 8♊56 | 9°58 | 11°33 | 4♊16 | T 2 |
| W 3 | 0 48 33 | 10°22'37 | 25° 1 | 22°35 | 1♏ 6 | 13°34 | 8°39 | 15°35 | 16°22 | 6° 5 | 28°17 | 8°51 | 9°55 | 11°40 | 4°15 | W 3 |
| T 4 | 0 52 30 | 11°21'08 | 9♓58 | 23°44 | 2°21 | 14° 6 | 8°33 | 15°32 | 16°26 | 6° 5 | 28°19 | 8°43 | 9°52 | 11°47 | 4°13 | T 4 |
| F 5 | 0 56 26 | 12°19'41 | 25° 6 | 24°59 | 3°35 | 14°38 | 8°28 | 15°28 | 16°29 | 6° 6 | 28°21 | 8°35 | 9°49 | 11°53 | 4°12 | F 5 |
| S 6 | 1 0 23 | 13°18'16 | 10♈14 | 26°20 | 4°50 | 15°10 | 8°23 | 15°25 | 16°33 | 6° 6 | 28°24 | 8°26 | 9°46 | 12° 0 | 4°10 | S 6 |
| S 7 | 1 4 20 | 14°16'52 | 25°12 | 27°46 | 6° 4 | 15°41 | 8°18 | 15°21 | 16°36 | 6° 7 | 28°26 | 8°19 | 9°43 | 12° 7 | 4° 9 | S 7 |
| M 8 | 1 8 16 | 15°15'30 | 9♉51 | 29°16 | 7°19 | 16°12 | 8°13 | 15°17 | 16°39 | 6° 8 | 28°28 | 8°14 | 9°39 | 12°14 | 4° 7 | M 8 |
| T 9 | 1 12 13 | 16°14'11 | 24° 6 | 0♎50 | 8°33 | 16°43 | 8° 8 | 15°13 | 16°43 | 6° 8 | 28°31 | 8°11 | 9°36 | 12°20 | 4° 5 | T 9 |
| W10 | 1 16 9 | 17°12'53 | 7♊52 | 2°27 | 9°48 | 17°13 | 8° 4 | 15°10 | 16°46 | 6° 9 | 28°33 | 8°D10 | 9°33 | 12°27 | 4° 3 | W10 |
| T 11 | 1 20 6 | 18°11'38 | 21°11 | 4° 8 | 11° 3 | 17°43 | 7°59 | 15° 6 | 16°50 | 6°10 | 28°35 | 8°11 | 9°30 | 12°34 | 4° 2 | T 11 |
| F 12 | 1 24 2 | 19°10'25 | 4♋ 4 | 5°50 | 12°17 | 18°13 | 7°55 | 15° 2 | 16°53 | 6°11 | 28°38 | 8°12 | 9°27 | 12°40 | 4° 0 | F 12 |
| S 13 | 1 27 59 | 20° 9'14 | 16°35 | 7°34 | 13°32 | 18°43 | 7°51 | 14°58 | 16°56 | 6°11 | 28°40 | 8°R13 | 9°23 | 12°47 | 3°58 | S 13 |
| S 14 | 1 31 55 | 21° 8'06 | 28°50 | 9°19 | 14°47 | 19°12 | 7°48 | 14°53 | 16°59 | 6°12 | 28°42 | 8°12 | 9°20 | 12°54 | 3°56 | S 14 |
| M15 | 1 35 52 | 22° 6'59 | 10♌52 | 11° 6 | 16° 2 | 19°41 | 7°44 | 14°49 | 17° 3 | 6°13 | 28°45 | 8°10 | 9°17 | 13° 1 | 3°54 | M15 |
| T 16 | 1 39 49 | 23° 5'55 | 22°47 | 12°53 | 17°16 | 20°10 | 7°40 | 14°45 | 17° 6 | 6°14 | 28°47 | 8° 6 | 9°14 | 13° 7 | 3°52 | T 16 |
| W17 | 1 43 45 | 24° 4'53 | 4♍38 | 14°40 | 18°31 | 20°38 | 7°37 | 14°41 | 17° 9 | 6°15 | 28°49 | 8° 1 | 9°11 | 13°14 | 3°50 | W17 |
| T 18 | 1 47 42 | 25° 3'53 | 16°30 | 16°28 | 19°46 | 21° 6 | 7°34 | 14°36 | 17°12 | 6°16 | 28°52 | 7°53 | 9° 8 | 13°21 | 3°47 | T 18 |
| F 19 | 1 51 38 | 26° 2'55 | 28°26 | 18°16 | 21° 1 | 21°34 | 7°31 | 14°32 | 17°15 | 6°17 | 28°54 | 7°45 | 9° 4 | 13°27 | 3°45 | F 19 |
| S 20 | 1 55 35 | 27° 1'59 | 10♎27 | 20° 4 | 22°16 | 22° 1 | 7°28 | 14°28 | 17°19 | 6°18 | 28°56 | 7°37 | 9° 1 | 13°34 | 3°43 | S 20 |
| S 21 | 1 59 31 | 28° 1'06 | 22°35 | 21°51 | 23°31 | 22°28 | 7°26 | 14°23 | 17°22 | 6°19 | 28°59 | 7°30 | 8°58 | 13°41 | 3°41 | S 21 |
| M22 | 2 3 28 | 29° 0'14 | 4♏52 | 23°38 | 24°45 | 22°55 | 7°24 | 14°19 | 17°25 | 6°20 | 29° 1 | 7°25 | 8°55 | 13°48 | 3°38 | M22 |
| T 23 | 2 7 24 | 29°59'24 | 17°18 | 25°24 | 26° 0 | 23°21 | 7°22 | 14°14 | 17°28 | 6°21 | 29° 3 | 7°21 | 8°52 | 13°54 | 3°36 | T 23 |
| W24 | 2 11 21 | 0♏58'37 | 29°55 | 27°10 | 27°15 | 23°47 | 7°20 | 14°10 | 17°31 | 6°23 | 29° 6 | 7°19 | 8°49 | 14° 1 | 3°33 | W24 |
| T 25 | 2 15 17 | 1°57'51 | 12♐43 | 28°56 | 28°30 | 24°13 | 7°18 | 14° 5 | 17°34 | 6°24 | 29° 8 | 7°D19 | 8°45 | 14° 8 | 3°31 | T 25 |
| F 26 | 2 19 14 | 2°57'07 | 25°45 | 0♏41 | 29°45 | 24°38 | 7°16 | 14° 0 | 17°37 | 6°25 | 29°11 | 7°20 | 8°42 | 14°15 | 3°28 | F 26 |
| S 27 | 2 23 11 | 3°56'25 | 9♑ 0 | 2°25 | 1♏ 0 | 25° 3 | 7°15 | 13°56 | 17°39 | 6°26 | 29°13 | 7°22 | 8°39 | 14°21 | 3°26 | S 27 |
| S 28 | 2 27 7 | 4°55'44 | 22°32 | 4° 8 | 2°15 | 25°27 | 7°14 | 13°51 | 17°42 | 6°28 | 29°15 | 7°23 | 8°36 | 14°28 | 3°23 | S 28 |
| M29 | 2 31 4 | 5°55'06 | 6♒21 | 5°51 | 3°30 | 25°51 | 7°13 | 13°46 | 17°45 | 6°29 | 29°18 | 7°R24 | 8°33 | 14°35 | 3°21 | M29 |
| T 30 | 2 35 0 | 6°54'28 | 20°27 | 7°33 | 4°45 | 26°15 | 7°12 | 13°42 | 17°48 | 6°30 | 29°20 | 7°23 | 8°29 | 14°41 | 3°18 | T 30 |
| W31 | 2 38 57 | 7♏53'53 | 4♓49 | 9♏14 | 6♏ 0 | 26♋38 | 7♓12 | 13♉37 | 17♍51 | 6♉32 | 29♎22 | 7♊21 | 8♊26 | 14♍48 | 3♊15 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 3s20 | 24s29 | 3s44 | 4n10 | 0n31 | 1n51 | 1n25 | 22n48 | 0n 4 | 9s22 | 1s14 | 13n55 | 2s39 | 6n 5 | 0n45 | 22s 0 | 1n11 | 4n42 | 16n32 | 21n41 | 21n50 | 12n 0 | 17n 6 | 3s52 |
| T 2 | 3 42 | 21 51 | 4 28 | 4 1 | 0 44 | 1 22 | 1 26 | 22 47 | 0 6 | 9 24 | 1 14 | 13 54 | 2 39 | 6 4 | 0 45 | 22 0 | 1 11 | 4 41 | 16 32 | 21 41 | 21 50 | 11 57 | 17 5 | 3 52 |
| W 3 | 4 5 | 17 46 | 4 56 | 3 48 | 0 57 | 0 53 | 1 26 | 22 45 | 0 7 | 9 26 | 1 14 | 13 53 | 2 39 | 6 2 | 0 45 | 22 0 | 1 11 | 4 40 | 16 31 | 21 40 | 21 49 | 11 54 | 17 5 | 3 52 |
| T 4 | 4 28 | 12 29 | 5 5 | 3 31 | 1 8 | 0 24 | 1 26 | 22 43 | 0 9 | 9 28 | 1 14 | 13 52 | 2 39 | 6 1 | 0 45 | 22 0 | 1 10 | 4 39 | 16 31 | 21 38 | 21 49 | 11 52 | 17 4 | 3 52 |
| F 5 | 4 51 | 6 25 | 4 52 | 3 10 | 1 17 | 0s 6 | 1 26 | 22 41 | 0 10 | 9 30 | 1 14 | 13 51 | 2 39 | 6 0 | 0 45 | 22 0 | 1 10 | 4 38 | 16 31 | 21 37 | 21 48 | 11 49 | 17 4 | 3 53 |
| S 6 | 5 14 | 0n 3 | 4 20 | 2 46 | 1 26 | 0 35 | 1 26 | 22 39 | 0 12 | 9 31 | 1 14 | 13 50 | 2 39 | 5 58 | 0 45 | 22 0 | 1 10 | 4 38 | 16 31 | 21 36 | 21 48 | 11 47 | 17 3 | 3 53 |
| S 7 | 5 36 | 6 27 | 3 29 | 2 19 | 1 33 | 1 4 | 1 26 | 22 37 | 0 13 | 9 33 | 1 14 | 13 48 | 2 40 | 5 57 | 0 45 | 22 0 | 1 10 | 4 37 | 16 31 | 21 35 | 21 47 | 11 44 | 17 2 | 3 53 |
| M 8 | 5 59 | 12 23 | 2 26 | 1 48 | 1 39 | 1 34 | 1 26 | 22 35 | 0 15 | 9 35 | 1 14 | 13 47 | 2 40 | 5 56 | 0 45 | 22 0 | 1 10 | 4 36 | 16 31 | 21 34 | 21 47 | 11 41 | 17 2 | 3 54 |
| T 9 | 6 21 | 17 29 | 1 15 | 1 16 | 1 44 | 2 3 | 1 26 | 22 33 | 0 17 | 9 37 | 1 13 | 13 46 | 2 40 | 5 55 | 0 45 | 22 0 | 1 10 | 4 35 | 16 31 | 21 33 | 21 47 | 11 39 | 17 1 | 3 54 |
| W10 | 6 44 | 21 29 | 0 2 | 0 41 | 1 48 | 2 33 | 1 26 | 22 31 | 0 18 | 9 38 | 1 13 | 13 45 | 2 40 | 5 53 | 0 45 | 22 0 | 1 10 | 4 34 | 16 31 | 21 33 | 21 46 | 11 36 | 17 1 | 3 54 |
| T 11 | 7 6 | 24 11 | 1n 9 | 0 4 | 1 50 | 3 2 | 1 26 | 22 29 | 0 20 | 9 40 | 1 13 | 13 43 | 2 40 | 5 52 | 0 45 | 22 0 | 1 10 | 4 33 | 16 31 | 21 33 | 21 46 | 11 34 | 17 0 | 3 54 |
| F 12 | 7 28 | 25 30 | 2 15 | 0s35 | 1 52 | 3 31 | 1 26 | 22 26 | 0 21 | 9 41 | 1 13 | 13 42 | 2 40 | 5 51 | 0 45 | 22 0 | 1 10 | 4 32 | 16 30 | 21 34 | 21 45 | 11 31 | 17 0 | 3 55 |
| S 13 | 7 50 | 25 28 | 3 12 | 1 15 | 1 53 | 4 0 | 1 25 | 22 24 | 0 23 | 9 43 | 1 13 | 13 41 | 2 40 | 5 49 | 0 45 | 22 0 | 1 10 | 4 32 | 16 30 | 21 34 | 21 45 | 11 28 | 16 59 | 3 55 |
| S 14 | 8 12 | 24 11 | 3 59 | 1 56 | 1 53 | 4 30 | 1 25 | 22 21 | 0 25 | 9 44 | 1 13 | 13 40 | 2 40 | 5 48 | 0 45 | 22 0 | 1 10 | 4 31 | 16 30 | 21 34 | 21 44 | 11 26 | 16 58 | 3 55 |
| M15 | 8 34 | 21 49 | 4 34 | 2 39 | 1 52 | 4 59 | 1 24 | 22 19 | 0 27 | 9 45 | 1 13 | 13 38 | 2 41 | 5 47 | 0 45 | 22 0 | 1 10 | 4 30 | 16 30 | 21 33 | 21 44 | 11 23 | 16 58 | 3 55 |
| T 16 | 8 56 | 18 32 | 4 57 | 3 21 | 1 51 | 5 28 | 1 24 | 22 17 | 0 28 | 9 46 | 1 13 | 13 37 | 2 41 | 5 46 | 0 45 | 22 0 | 1 10 | 4 29 | 16 30 | 21 33 | 21 43 | 11 20 | 16 57 | 3 56 |
| W17 | 9 18 | 14 32 | 5 8 | 4 5 | 1 49 | 5 57 | 1 23 | 22 14 | 0 30 | 9 47 | 1 13 | 13 36 | 2 41 | 5 44 | 0 45 | 22 0 | 1 10 | 4 28 | 16 30 | 21 32 | 21 43 | 11 18 | 16 56 | 3 56 |
| T 18 | 9 39 | 9 59 | 5 5 | 4 48 | 1 46 | 6 25 | 1 22 | 22 11 | 0 32 | 9 49 | 1 13 | 13 34 | 2 41 | 5 43 | 0 45 | 22 0 | 1 10 | 4 27 | 16 30 | 21 31 | 21 42 | 11 15 | 16 56 | 3 56 |
| F 19 | 10 1 | 5 2 | 4 49 | 5 32 | 1 43 | 6 54 | 1 21 | 22 9 | 0 34 | 9 49 | 1 12 | 13 33 | 2 41 | 5 42 | 0 45 | 22 0 | 1 10 | 4 27 | 16 30 | 21 29 | 21 42 | 11 12 | 16 55 | 3 56 |
| S 20 | 10 22 | 0s 8 | 4 20 | 6 16 | 1 39 | 7 22 | 1 21 | 22 6 | 0 35 | 9 50 | 1 12 | 13 32 | 2 41 | 5 41 | 0 45 | 22 0 | 1 10 | 4 26 | 16 30 | 21 28 | 21 41 | 11 10 | 16 55 | 3 57 |
| S 21 | 10 43 | 5 21 | 3 39 | 7 0 | 1 35 | 7 51 | 1 20 | 22 4 | 0 37 | 9 51 | 1 12 | 13 30 | 2 41 | 5 40 | 0 45 | 22 0 | 1 10 | 4 25 | 16 30 | 21 27 | 21 41 | 11 7 | 16 54 | 3 57 |
| M22 | 11 4 | 10 27 | 2 47 | 7 43 | 1 31 | 8 19 | 1 19 | 22 1 | 0 39 | 9 52 | 1 12 | 13 29 | 2 41 | 5 39 | 0 45 | 22 0 | 1 10 | 4 24 | 16 30 | 21 26 | 21 40 | 11 4 | 16 53 | 3 57 |
| T 23 | 11 25 | 15 12 | 1 47 | 8 27 | 1 26 | 8 47 | 1 18 | 21 59 | 0 41 | 9 53 | 1 12 | 13 28 | 2 41 | 5 37 | 0 45 | 22 0 | 1 10 | 4 23 | 16 30 | 21 25 | 21 40 | 11 2 | 16 53 | 3 57 |
| W24 | 11 45 | 19 22 | 0 40 | 9 9 | 1 21 | 9 15 | 1 17 | 21 56 | 0 43 | 9 53 | 1 12 | 13 26 | 2 41 | 5 36 | 0 45 | 22 0 | 1 10 | 4 23 | 16 30 | 21 25 | 21 39 | 10 59 | 16 52 | 3 58 |
| T 25 | 12 6 | 22 42 | 0s29 | 9 52 | 1 15 | 9 42 | 1 16 | 21 53 | 0 45 | 9 54 | 1 12 | 13 25 | 2 41 | 5 35 | 0 45 | 22 0 | 1 10 | 4 22 | 16 30 | 21 25 | 21 39 | 10 56 | 16 51 | 3 58 |
| F 26 | 12 26 | 24 54 | 1 39 | 10 34 | 1 9 | 10 10 | 1 14 | 21 51 | 0 47 | 9 54 | 1 11 | 13 23 | 2 41 | 5 34 | 0 45 | 22 0 | 1 10 | 4 21 | 16 30 | 21 25 | 21 38 | 10 54 | 16 51 | 3 58 |
| S 27 | 12 46 | 25 45 | 2 44 | 11 15 | 1 3 | 10 37 | 1 13 | 21 48 | 0 48 | 9 54 | 1 11 | 13 22 | 2 41 | 5 33 | 0 45 | 22 0 | 1 9 | 4 20 | 16 30 | 21 25 | 21 38 | 10 51 | 16 50 | 3 58 |
| S 28 | 13 6 | 25 6 | 3 42 | 11 56 | 0 57 | 11 4 | 1 12 | 21 46 | 0 50 | 9 55 | 1 11 | 13 21 | 2 41 | 5 32 | 0 45 | 22 0 | 1 9 | 4 20 | 16 30 | 21 26 | 21 37 | 10 48 | 16 49 | 3 58 |
| M29 | 13 26 | 22 55 | 4 28 | 12 36 | 0 51 | 11 31 | 1 11 | 21 43 | 0 52 | 9 55 | 1 11 | 13 19 | 2 41 | 5 31 | 0 45 | 22 0 | 1 9 | 4 19 | 16 31 | 21 26 | 21 37 | 10 46 | 16 48 | 3 59 |
| T 30 | 13 45 | 19 20 | 4 59 | 13 15 | 0 45 | 11 57 | 1 9 | 21 41 | 0 54 | 9 55 | 1 11 | 13 18 | 2 41 | 5 30 | 0 45 | 22 0 | 1 9 | 4 18 | 16 31 | 21 26 | 21 36 | 10 43 | 16 48 | 3 59 |
| W31 | 14s 4 | 14s33 | 5s12 | 13s54 | 0n38 | 12s23 | 1n 8 | 21n39 | 0n56 | 9s55 | 1s11 | 13n16 | 2s41 | 5n29 | 0n45 | 22s 0 | 1n 9 | 4n18 | 16n31 | 21n25 | 21n36 | 10n40 | 16n47 | 3s59 |

Julian Day Number = 2806103.5, Delta T = 51m45s
Ecliptic obliquity = 23°18'52, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°19'44, Lahiri = 37°26'44


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# ASTRODIENST EPHEMERIS for the year 2970
# geocentric

## NOVEMBER 2970 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 42 53 | 8♏53'19 | 19♓24 | 10♏55 | 7♏15 | 27♋ 1 | 7°R12 | 13°R32 | 17♍53 | 6♑33 | 29♎25 | 7°R18 | 8♊23 | 14♍55 | 3°R13 | T 1 |
| F 2 | 2 46 50 | 9°52'47 | 4♈ 7 | 12°35 | 8°30 | 27°23 | 7°D11 | 13♉28 | 17°56 | 6°34 | 29°27 | 7♊14 | 8°20 | 15° 2 | 3♊10 | F 2 |
| S 3 | 2 50 46 | 10°52'16 | 18°51 | 14°15 | 9°45 | 27°45 | 7♓12 | 13°23 | 17°59 | 6°36 | 29°29 | 7°10 | 8°17 | 15° 8 | 3° 7 | S 3 |
| S 4 | 2 54 43 | 11°51'48 | 3♉30 | 15°53 | 11° 0 | 28° 6 | 7°12 | 13°18 | 18° 1 | 6°37 | 29°32 | 7° 7 | 8°14 | 15°15 | 3° 4 | S 4 |
| M 5 | 2 58 40 | 12°51'21 | 17°55 | 17°31 | 12°15 | 28°27 | 7°12 | 13°13 | 18° 4 | 6°39 | 29°34 | 7° 4 | 8°10 | 15°22 | 3° 2 | M 5 |
| T 6 | 3 2 36 | 13°50'57 | 2♊ 2 | 19° 9 | 13°30 | 28°48 | 7°13 | 13° 8 | 18° 6 | 6°40 | 29°36 | 7°D 3 | 8° 7 | 15°28 | 2°59 | T 6 |
| W 7 | 3 6 33 | 14°50'34 | 15°46 | 20°46 | 14°45 | 29° 8 | 7°14 | 13° 4 | 18° 9 | 6°42 | 29°39 | 7° 3 | 8° 4 | 15°35 | 2°56 | W 7 |
| T 8 | 3 10 29 | 15°50'14 | 29° 6 | 22°22 | 16° 0 | 29°27 | 7°15 | 12°59 | 18°11 | 6°43 | 29°41 | 7° 4 | 8° 1 | 15°42 | 2°53 | T 8 |
| F 9 | 3 14 26 | 16°49'56 | 12♋ 3 | 23°58 | 17°15 | 29°46 | 7°16 | 12°54 | 18°13 | 6°45 | 29°43 | 7° 6 | 7°58 | 15°49 | 2°50 | F 9 |
| S 10 | 3 18 22 | 17°49'40 | 24°38 | 25°33 | 18°30 | 0♌ 4 | 7°18 | 12°49 | 18°16 | 6°47 | 29°45 | 7° 7 | 7°55 | 15°55 | 2°47 | S 10 |
| S 11 | 3 22 19 | 18°49'26 | 6♌56 | 27° 8 | 19°45 | 0°22 | 7°19 | 12°45 | 18°18 | 6°48 | 29°48 | 7° 9 | 7°51 | 16° 2 | 2°44 | S 11 |
| M12 | 3 26 16 | 19°49'14 | 19° 1 | 28°42 | 21° 1 | 0°40 | 7°21 | 12°40 | 18°20 | 6°50 | 29°50 | 7°R 9 | 7°48 | 16° 9 | 2°41 | M12 |
| T 13 | 3 30 12 | 20°49'04 | 0♍58 | 0♐16 | 22°16 | 0°57 | 7°23 | 12°35 | 18°23 | 6°52 | 29°52 | 7° 9 | 7°45 | 16°16 | 2°38 | T 13 |
| W14 | 3 34 9 | 21°48'57 | 12°50 | 1°49 | 23°31 | 1°13 | 7°26 | 12°31 | 18°25 | 6°53 | 29°54 | 7° 8 | 7°42 | 16°22 | 2°35 | W14 |
| T 15 | 3 38 5 | 22°48'51 | 24°43 | 3°22 | 24°46 | 1°29 | 7°28 | 12°26 | 18°27 | 6°55 | 29°57 | 7° 6 | 7°39 | 16°29 | 2°32 | T 15 |
| F 16 | 3 42 2 | 23°48'48 | 6♎41 | 4°54 | 26° 1 | 1°44 | 7°31 | 12°21 | 18°29 | 6°57 | 29°59 | 7° 4 | 7°35 | 16°36 | 2°29 | F 16 |
| S 17 | 3 45 58 | 24°48'47 | 18°47 | 6°26 | 27°16 | 1°58 | 7°34 | 12°17 | 18°31 | 6°59 | 0♏ 1 | 7° 2 | 7°32 | 16°42 | 2°26 | S 17 |
| S 18 | 3 49 55 | 25°48'47 | 1♏ 3 | 7°57 | 28°31 | 2°12 | 7°37 | 12°12 | 18°33 | 7° 0 | 0° 3 | 7° 0 | 7°29 | 16°49 | 2°23 | S 18 |
| M19 | 3 53 51 | 26°48'50 | 13°32 | 9°28 | 29°47 | 2°25 | 7°40 | 12° 8 | 18°35 | 7° 2 | 0° 5 | 6°59 | 7°26 | 16°56 | 2°20 | M19 |
| T 20 | 3 57 48 | 27°48'55 | 26°16 | 10°59 | 1♐ 2 | 2°38 | 7°43 | 12° 3 | 18°37 | 7° 4 | 0° 8 | 6°58 | 7°23 | 17° 3 | 2°17 | T 20 |
| W21 | 4 1 44 | 28°49'01 | 9♐13 | 12°29 | 2°17 | 2°50 | 7°47 | 11°59 | 18°39 | 7° 6 | 0°10 | 6°D58 | 7°20 | 17° 9 | 2°14 | W21 |
| T 22 | 4 5 41 | 29°49'10 | 22°25 | 13°59 | 3°32 | 3° 1 | 7°51 | 11°54 | 18°40 | 7° 8 | 0°12 | 6°59 | 7°16 | 17°16 | 2°11 | T 22 |
| F 23 | 4 9 38 | 0♐49'19 | 5♑49 | 15°28 | 4°47 | 3°11 | 7°55 | 11°50 | 18°42 | 7°10 | 0°14 | 6°59 | 7°13 | 17°23 | 2° 8 | F 23 |
| S 24 | 4 13 34 | 1°49'31 | 19°26 | 16°57 | 6° 3 | 3°21 | 7°59 | 11°45 | 18°44 | 7°12 | 0°16 | 7° 0 | 7°10 | 17°29 | 2° 5 | S 24 |
| S 25 | 4 17 31 | 2°49'44 | 3♒14 | 18°25 | 7°18 | 3°31 | 8° 4 | 11°41 | 18°45 | 7°13 | 0°18 | 7° 0 | 7° 7 | 17°36 | 2° 2 | S 25 |
| M26 | 4 21 27 | 3°49'58 | 17°12 | 19°53 | 8°33 | 3°39 | 8° 8 | 11°37 | 18°47 | 7°15 | 0°20 | 7° 0 | 7° 4 | 17°43 | 1°59 | M26 |
| T 27 | 4 25 24 | 4°50'14 | 1♓17 | 21°20 | 9°48 | 3°47 | 8°13 | 11°33 | 18°49 | 7°17 | 0°22 | 7°R 0 | 7° 1 | 17°50 | 1°55 | T 27 |
| W28 | 4 29 20 | 5°50'31 | 15°29 | 22°47 | 11° 3 | 3°54 | 8°18 | 11°29 | 18°50 | 7°19 | 0°24 | 7° 0 | 6°57 | 17°56 | 1°52 | W28 |
| T 29 | 4 33 17 | 6°50'50 | 29°45 | 24°13 | 12°19 | 4° 0 | 8°23 | 11°25 | 18°51 | 7°21 | 0°26 | 7°D 0 | 6°54 | 18° 3 | 1°49 | T 29 |
| F 30 | 4 37 14 | 7♐51'09 | 14♈ 3 | 25♐39 | 13♐34 | 4♌ 6 | 8♓28 | 11♉20 | 18♍53 | 7♑23 | 0♏28 | 7♊ 0 | 6♊51 | 18♍10 | 1♊46 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s23 | 8s52 | 5s 6 | 14s32 | 0n31 | 12s49 | 1n 6 | 21n36 | 0n59 | 9s55 | 1s11 | 13n15 | 2s41 | 5n28 | 0n45 | 22s 0 | 1n 9 | 4n17 | 16n31 | 21n25 | 21n35 | 10n38 | 16n46 | 3s59 |
| F 2 | 14 42 | 2 39 | 4 39 | 15 8 | 0 25 | 13 14 | 1 5 | 21 34 | 1 1 | 9 55 | 1 10 | 13 14 | 2 41 | 5 27 | 0 46 | 22 0 | 1 9 | 4 16 | 16 31 | 21 24 | 21 35 | 10 35 | 16 46 | 3 59 |
| S 3 | 15 1 | 3n44 | 3 54 | 15 45 | 0 18 | 13 40 | 1 3 | 21 32 | 1 3 | 9 55 | 1 10 | 13 12 | 2 41 | 5 26 | 0 46 | 22 0 | 1 9 | 4 16 | 16 31 | 21 24 | 21 34 | 10 32 | 16 45 | 4 0 |
| S 4 | 15 19 | 9 53 | 2 54 | 16 20 | 0 11 | 14 5 | 1 1 | 21 30 | 1 5 | 9 55 | 1 10 | 13 11 | 2 41 | 5 25 | 0 46 | 22 0 | 1 9 | 4 15 | 16 31 | 21 23 | 21 34 | 10 30 | 16 44 | 4 0 |
| M 5 | 15 37 | 15 26 | 1 43 | 16 54 | 0 4 | 14 29 | 1 0 | 21 27 | 1 7 | 9 54 | 1 10 | 13 9 | 2 41 | 5 24 | 0 46 | 22 0 | 1 9 | 4 14 | 16 31 | 21 23 | 21 33 | 10 27 | 16 44 | 4 0 |
| T 6 | 15 55 | 20 1 | 0 28 | 17 28 | 0s 3 | 14 53 | 0 58 | 21 25 | 1 9 | 9 54 | 1 10 | 13 8 | 2 41 | 5 23 | 0 46 | 22 0 | 1 9 | 4 14 | 16 31 | 21 22 | 21 33 | 10 24 | 16 43 | 4 0 |
| W 7 | 16 12 | 23 21 | 0n48 | 18 0 | 0 9 | 15 17 | 0 56 | 21 23 | 1 11 | 9 53 | 1 10 | 13 7 | 2 41 | 5 22 | 0 46 | 22 0 | 1 9 | 4 13 | 16 32 | 21 22 | 21 32 | 10 21 | 16 42 | 4 0 |
| T 8 | 16 30 | 25 17 | 1 58 | 18 32 | 0 16 | 15 40 | 0 54 | 21 22 | 1 14 | 9 53 | 1 10 | 13 5 | 2 41 | 5 21 | 0 46 | 22 0 | 1 9 | 4 12 | 16 32 | 21 23 | 21 32 | 10 19 | 16 42 | 4 0 |
| F 9 | 16 47 | 25 47 | 3 1 | 19 2 | 0 23 | 16 3 | 0 53 | 21 20 | 1 16 | 9 52 | 1 9 | 13 4 | 2 41 | 5 20 | 0 46 | 22 0 | 1 9 | 4 12 | 16 32 | 21 23 | 21 31 | 10 16 | 16 41 | 4 1 |
| S 10 | 17 3 | 24 54 | 3 53 | 19 32 | 0 30 | 16 26 | 0 51 | 21 18 | 1 18 | 9 52 | 1 9 | 13 3 | 2 41 | 5 19 | 0 46 | 22 0 | 1 9 | 4 11 | 16 32 | 21 23 | 21 31 | 10 13 | 16 40 | 4 1 |
| S 11 | 17 20 | 22 50 | 4 33 | 20 1 | 0 37 | 16 48 | 0 49 | 21 17 | 1 21 | 9 51 | 1 9 | 13 1 | 2 41 | 5 18 | 0 46 | 22 0 | 1 9 | 4 11 | 16 32 | 21 23 | 21 30 | 10 11 | 16 39 | 4 1 |
| M12 | 17 36 | 19 47 | 5 0 | 20 28 | 0 43 | 17 10 | 0 47 | 21 15 | 1 23 | 9 50 | 1 9 | 13 0 | 2 41 | 5 18 | 0 46 | 22 0 | 1 9 | 4 10 | 16 32 | 21 23 | 21 30 | 10 8 | 16 39 | 4 1 |
| T 13 | 17 52 | 15 58 | 5 14 | 20 55 | 0 50 | 17 31 | 0 45 | 21 14 | 1 25 | 9 49 | 1 9 | 12 59 | 2 41 | 5 17 | 0 46 | 22 0 | 1 9 | 4 10 | 16 33 | 21 23 | 21 29 | 10 5 | 16 38 | 4 1 |
| W14 | 18 7 | 11 33 | 5 14 | 21 20 | 0 56 | 17 52 | 0 43 | 21 13 | 1 28 | 9 48 | 1 9 | 12 57 | 2 41 | 5 16 | 0 46 | 21 59 | 1 9 | 4 9 | 16 33 | 21 23 | 21 29 | 10 2 | 16 37 | 4 1 |
| T 15 | 18 23 | 6 42 | 5 1 | 21 45 | 1 3 | 18 12 | 0 40 | 21 12 | 1 30 | 9 47 | 1 8 | 12 56 | 2 41 | 5 15 | 0 46 | 21 59 | 1 9 | 4 9 | 16 33 | 21 23 | 21 28 | 10 0 | 16 37 | 4 2 |
| F 16 | 18 38 | 1 34 | 4 35 | 22 8 | 1 9 | 18 32 | 0 38 | 21 11 | 1 33 | 9 46 | 1 8 | 12 55 | 2 41 | 5 14 | 0 46 | 21 59 | 1 9 | 4 8 | 16 33 | 21 23 | 21 28 | 9 57 | 16 36 | 4 2 |
| S 17 | 18 52 | 3s41 | 3 56 | 22 30 | 1 15 | 18 52 | 0 36 | 21 10 | 1 35 | 9 45 | 1 8 | 12 53 | 2 41 | 5 14 | 0 46 | 21 59 | 1 9 | 4 8 | 16 34 | 21 22 | 21 27 | 9 54 | 16 35 | 4 2 |
| S 18 | 19 7 | 8 52 | 3 6 | 22 51 | 1 21 | 19 10 | 0 34 | 21 9 | 1 38 | 9 43 | 1 8 | 12 52 | 2 41 | 5 13 | 0 46 | 21 59 | 1 9 | 4 7 | 16 34 | 21 22 | 21 27 | 9 51 | 16 34 | 4 2 |
| M19 | 19 21 | 13 49 | 2 6 | 23 11 | 1 27 | 19 29 | 0 32 | 21 9 | 1 40 | 9 42 | 1 8 | 12 51 | 2 40 | 5 12 | 0 46 | 21 59 | 1 9 | 4 7 | 16 34 | 21 22 | 21 26 | 9 49 | 16 34 | 4 2 |
| T 20 | 19 34 | 18 16 | 0 59 | 23 30 | 1 33 | 19 47 | 0 30 | 21 8 | 1 43 | 9 41 | 1 8 | 12 49 | 2 40 | 5 11 | 0 46 | 21 59 | 1 9 | 4 6 | 16 34 | 21 22 | 21 26 | 9 46 | 16 33 | 4 2 |
| W21 | 19 47 | 21 55 | 0s12 | 23 48 | 1 38 | 20 4 | 0 27 | 21 8 | 1 45 | 9 39 | 1 7 | 12 48 | 2 40 | 5 11 | 0 46 | 21 59 | 1 9 | 4 6 | 16 35 | 21 22 | 21 25 | 9 43 | 16 32 | 4 2 |
| T 22 | 20 0 | 24 30 | 1 25 | 24 4 | 1 43 | 20 20 | 0 25 | 21 8 | 1 48 | 9 37 | 1 7 | 12 47 | 2 40 | 5 10 | 0 46 | 21 59 | 1 9 | 4 5 | 16 35 | 21 22 | 21 25 | 9 40 | 16 32 | 4 2 |
| F 23 | 20 13 | 25 44 | 2 33 | 24 20 | 1 49 | 20 37 | 0 23 | 21 8 | 1 50 | 9 36 | 1 7 | 12 46 | 2 40 | 5 9 | 0 46 | 21 59 | 1 8 | 4 5 | 16 35 | 21 22 | 21 24 | 9 38 | 16 31 | 4 2 |
| S 24 | 20 25 | 25 27 | 3 34 | 24 34 | 1 54 | 20 52 | 0 20 | 21 8 | 1 53 | 9 34 | 1 7 | 12 45 | 2 40 | 5 9 | 0 46 | 21 59 | 1 8 | 4 4 | 16 35 | 21 22 | 21 24 | 9 35 | 16 30 | 4 2 |
| S 25 | 20 37 | 23 36 | 4 24 | 24 47 | 1 58 | 21 7 | 0 18 | 21 9 | 1 56 | 9 32 | 1 7 | 12 43 | 2 40 | 5 8 | 0 46 | 21 59 | 1 8 | 4 4 | 16 36 | 21 22 | 21 23 | 9 32 | 16 30 | 4 3 |
| M26 | 20 48 | 20 20 | 4 58 | 24 58 | 2 3 | 21 21 | 0 16 | 21 9 | 1 59 | 9 30 | 1 7 | 12 42 | 2 40 | 5 8 | 0 46 | 21 59 | 1 8 | 4 4 | 16 36 | 21 22 | 21 23 | 9 29 | 16 29 | 4 3 |
| T 27 | 20 59 | 15 52 | 5 15 | 25 9 | 2 7 | 21 35 | 0 13 | 21 10 | 2 1 | 9 29 | 1 7 | 12 41 | 2 39 | 5 7 | 0 46 | 21 59 | 1 8 | 4 3 | 16 36 | 21 22 | 21 22 | 9 26 | 16 28 | 4 3 |
| W28 | 21 10 | 10 31 | 5 14 | 25 18 | 2 11 | 21 48 | 0 11 | 21 11 | 2 4 | 9 27 | 1 6 | 12 40 | 2 39 | 5 7 | 0 47 | 21 59 | 1 8 | 4 3 | 16 37 | 21 22 | 21 21 | 9 24 | 16 28 | 4 3 |
| T 29 | 21 20 | 4 34 | 4 52 | 25 26 | 2 15 | 22 1 | 0 9 | 21 13 | 2 7 | 9 25 | 1 6 | 12 39 | 2 39 | 5 6 | 0 47 | 21 58 | 1 8 | 4 2 | 16 37 | 21 22 | 21 21 | 9 21 | 16 27 | 4 3 |
| F 30 | 21s30 | 1n37 | 4s13 | 25s33 | 2s18 | 22s12 | 0n 6 | 21n14 | 2n10 | 9s22 | 1s 6 | 12n38 | 2s39 | 5n 6 | 0n47 | 21s58 | 1n 8 | 4n 2 | 16n37 | 21n22 | 21n20 | 9n18 | 16n26 | 4s 3 |

Julian Day Number = 2806134.5, Delta T = 51m45s
Ecliptic obliquity = 23°18'52, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°19'48, Lahiri = 37°26'49


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# ASTRODIENST EPHEMERIS for the year 2970
# geocentric

## DECEMBER 2970 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 41 10 | 8♐51'30 | 28♈18 | 27♐ 4 | 14♐49 | 4♌10 | 8♓34 | 11°R17 | 18♍54 | 7♑25 | 0♏30 | 7♊ 1 | 6♊48 | 18♍17 | 1°R43 | S 1 |
| S 2 | 4 45 7 | 9°51'53 | 12♉27 | 28°28 | 16° 4 | 4°14 | 8°39 | 11♉13 | 18°55 | 7°27 | 0°32 | 7° 1 | 6°45 | 18°23 | 1♊40 | S 2 |
| M 3 | 4 49 3 | 10°52'17 | 26°27 | 29°51 | 17°20 | 4°18 | 8°45 | 11° 9 | 18°57 | 7°30 | 0°34 | 7° 1 | 6°41 | 18°30 | 1°37 | M 3 |
| T 4 | 4 53 0 | 11°52'42 | 10♊13 | 1♑13 | 18°35 | 4°20 | 8°51 | 11° 5 | 18°58 | 7°32 | 0°36 | 7°R 1 | 6°38 | 18°37 | 1°34 | T 4 |
| W 5 | 4 56 56 | 12°53'09 | 23°43 | 2°35 | 19°50 | 4°22 | 8°57 | 11° 1 | 18°59 | 7°34 | 0°38 | 7° 1 | 6°35 | 18°43 | 1°31 | W 5 |
| T 6 | 5 0 53 | 13°53'38 | 6♋56 | 3°55 | 21° 5 | 4°R22 | 9° 4 | 10°58 | 19° 0 | 7°36 | 0°40 | 7° 0 | 6°32 | 18°50 | 1°28 | T 6 |
| F 7 | 5 4 49 | 14°54'08 | 19°49 | 5°14 | 22°20 | 4°22 | 9°10 | 10°54 | 19° 1 | 7°38 | 0°42 | 6°59 | 6°29 | 18°57 | 1°25 | F 7 |
| S 8 | 5 8 46 | 15°54'40 | 2♌25 | 6°31 | 23°36 | 4°21 | 9°17 | 10°51 | 19° 2 | 7°40 | 0°44 | 6°58 | 6°26 | 19° 4 | 1°22 | S 8 |
| S 9 | 5 12 43 | 16°55'13 | 14°44 | 7°46 | 24°51 | 4°20 | 9°24 | 10°47 | 19° 3 | 7°42 | 0°45 | 6°57 | 6°22 | 19°10 | 1°19 | S 9 |
| M10 | 5 16 39 | 17°55'48 | 26°51 | 9° 0 | 26° 6 | 4°17 | 9°31 | 10°44 | 19° 4 | 7°44 | 0°47 | 6°56 | 6°19 | 19°17 | 1°16 | M10 |
| T 11 | 5 20 36 | 18°56'25 | 8♍48 | 10°11 | 27°21 | 4°14 | 9°38 | 10°41 | 19° 4 | 7°46 | 0°49 | 6°55 | 6°16 | 19°24 | 1°13 | T 11 |
| W12 | 5 24 32 | 19°57'03 | 20°41 | 11°20 | 28°37 | 4° 9 | 9°45 | 10°38 | 19° 5 | 7°49 | 0°51 | 6°D55 | 6°13 | 19°30 | 1°10 | W12 |
| T 13 | 5 28 29 | 20°57'43 | 2♎34 | 12°26 | 29°52 | 4° 4 | 9°53 | 10°35 | 19° 6 | 7°51 | 0°52 | 6°55 | 6°10 | 19°37 | 1° 8 | T 13 |
| F 14 | 5 32 25 | 21°58'24 | 14°32 | 13°28 | 1♑ 7 | 3°58 | 10° 0 | 10°32 | 19° 6 | 7°53 | 0°54 | 6°56 | 6° 7 | 19°44 | 1° 5 | F 14 |
| S 15 | 5 36 22 | 22°59'07 | 26°39 | 14°27 | 2°23 | 3°51 | 10° 8 | 10°29 | 19° 7 | 7°55 | 0°56 | 6°57 | 6° 3 | 19°51 | 1° 2 | S 15 |
| S 16 | 5 40 18 | 23°59'51 | 8♏59 | 15°21 | 3°38 | 3°43 | 10°16 | 10°26 | 19° 7 | 7°57 | 0°57 | 6°59 | 6° 0 | 19°57 | 0°59 | S 16 |
| M17 | 5 44 15 | 25° 0'37 | 21°37 | 16°11 | 4°53 | 3°35 | 10°24 | 10°23 | 19° 8 | 8° 0 | 0°59 | 7° 0 | 5°57 | 20° 4 | 0°56 | M17 |
| T 18 | 5 48 12 | 26° 1'24 | 4♐33 | 16°55 | 6° 8 | 3°25 | 10°32 | 10°21 | 19° 8 | 8° 2 | 1° 0 | 7°R 1 | 5°54 | 20°11 | 0°54 | T 18 |
| W19 | 5 52 8 | 27° 2'12 | 17°49 | 17°32 | 7°24 | 3°15 | 10°40 | 10°18 | 19° 9 | 8° 4 | 1° 2 | 7° 0 | 5°51 | 20°18 | 0°51 | W19 |
| T 20 | 5 56 5 | 28° 3'02 | 1♑25 | 18° 2 | 8°39 | 3° 4 | 10°49 | 10°16 | 19° 9 | 8° 6 | 1° 3 | 6°59 | 5°47 | 20°24 | 0°48 | T 20 |
| F 21 | 6 0 1 | 29° 3'53 | 15°18 | 18°24 | 9°54 | 2°52 | 10°58 | 10°13 | 19° 9 | 8° 9 | 1° 5 | 6°56 | 5°44 | 20°31 | 0°46 | F 21 |
| S 22 | 6 3 58 | 0♑ 4'44 | 29°24 | 18°38 | 11°10 | 2°39 | 11° 6 | 10°11 | 19° 9 | 8°11 | 1° 6 | 6°53 | 5°41 | 20°38 | 0°43 | S 22 |
| S 23 | 6 7 54 | 1° 5'37 | 13♒39 | 18°R42 | 12°25 | 2°25 | 11°15 | 10° 9 | 19° 9 | 8°13 | 1° 8 | 6°50 | 5°38 | 20°44 | 0°40 | S 23 |
| M24 | 6 11 51 | 2° 6'30 | 27°59 | 18°35 | 13°40 | 2°10 | 11°24 | 10° 7 | 19°R 9 | 8°15 | 1° 9 | 6°46 | 5°35 | 20°51 | 0°38 | M24 |
| T 25 | 6 15 48 | 3° 7'24 | 12♓18 | 18°17 | 14°55 | 1°55 | 11°34 | 10° 5 | 19° 9 | 8°18 | 1°11 | 6°44 | 5°32 | 20°58 | 0°35 | T 25 |
| W26 | 6 19 44 | 4° 8'19 | 26°33 | 17°48 | 16°11 | 1°39 | 11°43 | 10° 3 | 19° 9 | 8°20 | 1°12 | 6°42 | 5°28 | 21° 5 | 0°33 | W26 |
| T 27 | 6 23 41 | 5° 9'14 | 10♈42 | 17° 7 | 17°26 | 1°22 | 11°52 | 10° 2 | 19° 9 | 8°22 | 1°13 | 6°D42 | 5°25 | 21°11 | 0°31 | T 27 |
| F 28 | 6 27 37 | 6°10'09 | 24°43 | 16°16 | 18°41 | 1° 5 | 12° 2 | 10° 0 | 19° 9 | 8°24 | 1°15 | 6°43 | 5°22 | 21°18 | 0°28 | F 28 |
| S 29 | 6 31 34 | 7°11'06 | 8♉34 | 15°14 | 19°56 | 0°47 | 12°12 | 9°58 | 19° 9 | 8°27 | 1°16 | 6°45 | 5°19 | 21°25 | 0°26 | S 29 |
| S 30 | 6 35 30 | 8°12'02 | 22°16 | 14° 4 | 21°12 | 0°28 | 12°21 | 9°57 | 19° 9 | 8°29 | 1°17 | 6°46 | 5°16 | 21°31 | 0°24 | S 30 |
| M31 | 6 39 27 | 9♑13'00 | 5♊47 | 12♑46 | 22♑27 | 0♌ 9 | 12♓31 | 9♉56 | 19♍ 8 | 8♑31 | 1♏18 | 6°R47 | 5♊13 | 21♍38 | 0♊21 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s40 | 7n43 | 3s19 | 25s38 | 2s21 | 22s24 | 0n 4 | 21n16 | 2n13 | 9s20 | 1s 6 | 12n37 | 2s39 | 5n 5 | 0n47 | 21s58 | 1n 8 | 4n 2 | 16n38 | 21n22 | 21n20 | 9n15 | 16n26 | 4s 3 |
| S 2 | 21 49 | 13 24 | 2 12 | 25 42 | 2 24 | 22 34 | 0 1 | 21 17 | 2 15 | 9 18 | 1 6 | 12 36 | 2 39 | 5 5 | 0 47 | 21 58 | 1 8 | 4 2 | 16 38 | 21 22 | 21 19 | 9 13 | 16 25 | 4 3 |
| M 3 | 21 57 | 18 19 | 0 58 | 25 45 | 2 26 | 22 44 | 0s 1 | 21 19 | 2 18 | 9 16 | 1 6 | 12 35 | 2 38 | 5 4 | 0 47 | 21 58 | 1 8 | 4 1 | 16 38 | 21 22 | 21 19 | 9 10 | 16 24 | 4 3 |
| T 4 | 22 6 | 22 10 | 0n18 | 25 46 | 2 28 | 22 53 | 0 3 | 21 22 | 2 21 | 9 13 | 1 5 | 12 34 | 2 38 | 5 4 | 0 47 | 21 58 | 1 8 | 4 1 | 16 39 | 21 22 | 21 18 | 9 7 | 16 24 | 4 3 |
| W 5 | 22 14 | 24 41 | 1 31 | 25 47 | 2 29 | 23 1 | 0 6 | 21 24 | 2 24 | 9 11 | 1 5 | 12 33 | 2 38 | 5 3 | 0 47 | 21 58 | 1 8 | 4 1 | 16 39 | 21 22 | 21 18 | 9 4 | 16 23 | 4 3 |
| T 6 | 22 21 | 25 46 | 2 38 | 25 46 | 2 30 | 23 9 | 0 8 | 21 27 | 2 27 | 9 8 | 1 5 | 12 32 | 2 38 | 5 3 | 0 47 | 21 58 | 1 8 | 4 0 | 16 40 | 21 22 | 21 17 | 9 1 | 16 23 | 4 3 |
| F 7 | 22 28 | 25 25 | 3 35 | 25 43 | 2 31 | 23 16 | 0 11 | 21 30 | 2 30 | 9 6 | 1 5 | 12 31 | 2 38 | 5 3 | 0 47 | 21 58 | 1 8 | 4 0 | 16 40 | 21 22 | 21 17 | 8 59 | 16 22 | 4 3 |
| S 8 | 22 34 | 23 45 | 4 21 | 25 40 | 2 31 | 23 23 | 0 13 | 21 33 | 2 33 | 9 3 | 1 5 | 12 30 | 2 38 | 5 2 | 0 47 | 21 58 | 1 8 | 4 0 | 16 40 | 21 22 | 21 16 | 8 56 | 16 21 | 4 3 |
| S 9 | 22 41 | 21 0 | 4 53 | 25 35 | 2 30 | 23 28 | 0 16 | 21 36 | 2 36 | 9 0 | 1 5 | 12 29 | 2 37 | 5 2 | 0 47 | 21 58 | 1 8 | 4 0 | 16 41 | 21 21 | 21 16 | 8 53 | 16 21 | 4 3 |
| M10 | 22 46 | 17 23 | 5 11 | 25 29 | 2 29 | 23 33 | 0 18 | 21 40 | 2 39 | 8 58 | 1 5 | 12 29 | 2 37 | 5 2 | 0 47 | 21 57 | 1 8 | 4 0 | 16 41 | 21 21 | 21 15 | 8 50 | 16 20 | 4 3 |
| T 11 | 22 51 | 13 7 | 5 16 | 25 22 | 2 27 | 23 38 | 0 20 | 21 43 | 2 42 | 8 55 | 1 4 | 12 28 | 2 37 | 5 2 | 0 47 | 21 57 | 1 8 | 3 59 | 16 42 | 21 21 | 21 15 | 8 47 | 16 20 | 4 3 |
| W12 | 22 56 | 8 23 | 5 7 | 25 14 | 2 24 | 23 41 | 0 23 | 21 47 | 2 45 | 8 52 | 1 4 | 12 27 | 2 37 | 5 1 | 0 47 | 21 57 | 1 8 | 3 59 | 16 42 | 21 21 | 21 14 | 8 44 | 16 19 | 4 3 |
| T 13 | 23 0 | 3 21 | 4 45 | 25 4 | 2 21 | 23 44 | 0 25 | 21 51 | 2 48 | 8 49 | 1 4 | 12 26 | 2 36 | 5 1 | 0 47 | 21 57 | 1 8 | 3 59 | 16 42 | 21 21 | 21 13 | 8 42 | 16 18 | 4 3 |
| F 14 | 23 4 | 1s50 | 4 11 | 24 54 | 2 17 | 23 46 | 0 27 | 21 56 | 2 51 | 8 46 | 1 4 | 12 26 | 2 36 | 5 1 | 0 47 | 21 57 | 1 8 | 3 59 | 16 43 | 21 21 | 21 13 | 8 39 | 16 18 | 4 3 |
| S 15 | 23 8 | 7 2 | 3 25 | 24 43 | 2 11 | 23 47 | 0 30 | 22 0 | 2 54 | 8 43 | 1 4 | 12 25 | 2 36 | 5 1 | 0 47 | 21 57 | 1 8 | 3 59 | 16 43 | 21 21 | 21 12 | 8 36 | 16 17 | 4 3 |
| S 16 | 23 11 | 12 4 | 2 29 | 24 31 | 2 5 | 23 48 | 0 32 | 22 5 | 2 57 | 8 40 | 1 4 | 12 24 | 2 36 | 5 1 | 0 47 | 21 57 | 1 8 | 3 59 | 16 44 | 21 22 | 21 12 | 8 33 | 16 17 | 4 3 |
| M17 | 23 13 | 16 43 | 1 24 | 24 18 | 1 58 | 23 48 | 0 34 | 22 10 | 3 0 | 8 37 | 1 4 | 12 24 | 2 36 | 5 0 | 0 47 | 21 57 | 1 8 | 3 59 | 16 44 | 21 22 | 21 11 | 8 30 | 16 16 | 4 3 |
| T 18 | 23 15 | 20 43 | 0 14 | 24 4 | 1 50 | 23 47 | 0 37 | 22 15 | 3 3 | 8 34 | 1 4 | 12 23 | 2 35 | 5 0 | 0 47 | 21 57 | 1 8 | 3 59 | 16 45 | 21 22 | 21 11 | 8 27 | 16 16 | 4 3 |
| W19 | 23 17 | 23 45 | 0s59 | 23 50 | 1 40 | 23 45 | 0 39 | 22 21 | 3 6 | 8 30 | 1 3 | 12 23 | 2 35 | 5 0 | 0 47 | 21 56 | 1 8 | 3 59 | 16 45 | 21 22 | 21 10 | 8 25 | 16 15 | 4 3 |
| T 20 | 23 18 | 25 29 | 2 10 | 23 35 | 1 30 | 23 43 | 0 41 | 22 26 | 3 9 | 8 27 | 1 3 | 12 22 | 2 35 | 5 0 | 0 48 | 21 56 | 1 8 | 3 58 | 16 46 | 21 22 | 21 10 | 8 22 | 16 15 | 4 3 |
| F 21 | 23 19 | 25 40 | 3 15 | 23 21 | 1 18 | 23 40 | 0 43 | 22 32 | 3 12 | 8 24 | 1 3 | 12 22 | 2 35 | 5 0 | 0 48 | 21 56 | 1 8 | 3 58 | 16 46 | 21 21 | 21 9 | 8 19 | 16 14 | 4 3 |
| S 22 | 23 19 | 24 14 | 4 9 | 23 6 | 1 5 | 23 36 | 0 46 | 22 37 | 3 15 | 8 20 | 1 3 | 12 21 | 2 34 | 5 0 | 0 48 | 21 56 | 1 8 | 3 58 | 16 47 | 21 21 | 21 8 | 8 16 | 16 14 | 4 3 |
| S 23 | 23 19 | 21 14 | 4 48 | 22 51 | 0 50 | 23 32 | 0 48 | 22 43 | 3 17 | 8 17 | 1 3 | 12 21 | 2 34 | 5 0 | 0 48 | 21 56 | 1 8 | 3 58 | 16 47 | 21 20 | 21 8 | 8 13 | 16 13 | 4 3 |
| M24 | 23 18 | 16 57 | 5 10 | 22 36 | 0 34 | 23 27 | 0 50 | 22 49 | 3 20 | 8 13 | 1 3 | 12 20 | 2 34 | 5 0 | 0 48 | 21 56 | 1 8 | 3 58 | 16 48 | 21 20 | 21 7 | 8 10 | 16 13 | 4 3 |
| T 25 | 23 17 | 11 43 | 5 12 | 22 21 | 0 17 | 23 21 | 0 52 | 22 56 | 3 23 | 8 9 | 1 3 | 12 20 | 2 34 | 5 0 | 0 48 | 21 56 | 1 8 | 3 58 | 16 48 | 21 19 | 21 7 | 8 8 | 16 12 | 4 3 |
| W26 | 23 15 | 5 53 | 4 55 | 22 7 | 0n 1 | 23 14 | 0 54 | 23 2 | 3 26 | 8 6 | 1 2 | 12 20 | 2 33 | 5 0 | 0 48 | 21 56 | 1 8 | 3 58 | 16 49 | 21 19 | 21 6 | 8 5 | 16 12 | 4 3 |
| T 27 | 23 13 | 0n13 | 4 20 | 21 53 | 0 21 | 23 7 | 0 56 | 23 8 | 3 29 | 8 2 | 1 2 | 12 19 | 2 33 | 5 0 | 0 48 | 21 55 | 1 8 | 3 59 | 16 49 | 21 19 | 21 6 | 8 2 | 16 12 | 4 3 |
| F 28 | 23 10 | 6 16 | 3 30 | 21 40 | 0 40 | 22 59 | 0 58 | 23 15 | 3 31 | 7 58 | 1 2 | 12 19 | 2 33 | 5 0 | 0 48 | 21 55 | 1 8 | 3 59 | 16 50 | 21 19 | 21 5 | 7 59 | 16 11 | 4 3 |
| S 29 | 23 7 | 11 57 | 2 28 | 21 27 | 1 0 | 22 50 | 1 0 | 23 21 | 3 34 | 7 55 | 1 2 | 12 19 | 2 32 | 5 1 | 0 48 | 21 55 | 1 8 | 3 59 | 16 50 | 21 19 | 21 5 | 7 56 | 16 11 | 4 3 |
| S 30 | 23 4 | 16 58 | 1 19 | 21 15 | 1 20 | 22 40 | 1 2 | 23 28 | 3 36 | 7 51 | 1 2 | 12 19 | 2 32 | 5 1 | 0 48 | 21 55 | 1 8 | 3 59 | 16 51 | 21 20 | 21 4 | 7 53 | 16 10 | 4 2 |
| M31 | 23s 0 | 21n 4 | 0s 5 | 21s 3 | 1n39 | 22s30 | 1s 4 | 23n35 | 3n39 | 7s47 | 1s 2 | 12n19 | 2s32 | 5n 1 | 0n48 | 21s55 | 1n 8 | 3n59 | 16n51 | 21n20 | 21n 3 | 7n50 | 16n10 | 4s 2 |

Julian Day Number = 2806164.5, Delta T = 51m46s
Ecliptic obliquity = 23°18'52, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°19'52, Lahiri = 37°26'53


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# ASTRODIENST EPHEMERIS for the year 2971
# geocentric

## JANUARY 2971 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 43 23 | 10♑13'58 | 19♊ 7 | 11°R25 | 23♑42 | 29°R49 | 12♓42 | 9°R55 | 19°R 8 | 8♑33 | 1♏19 | 6°R46 | 5♊ 9 | 21♍45 | 0°R19 | T 1 |
| W 2 | 6 47 20 | 11°14'56 | 2♋15 | 10♑ 2 | 24°57 | 29♋28 | 12°52 | 9♉54 | 19♍ 7 | 8°36 | 1°20 | 6♊44 | 5° 6 | 21°52 | 0♊17 | W 2 |
| T 3 | 6 51 17 | 12°15'56 | 15°11 | 8°40 | 26°13 | 29° 7 | 13° 2 | 9°53 | 19° 7 | 8°38 | 1°22 | 6°40 | 5° 3 | 21°58 | 0°15 | T 3 |
| F 4 | 6 55 13 | 13°16'56 | 27°53 | 7°22 | 27°28 | 28°45 | 13°12 | 9°52 | 19° 6 | 8°40 | 1°23 | 6°34 | 5° 0 | 22° 5 | 0°13 | F 4 |
| S 5 | 6 59 10 | 14°17'56 | 10♌21 | 6°10 | 28°43 | 28°24 | 13°23 | 9°51 | 19° 6 | 8°42 | 1°24 | 6°27 | 4°57 | 22°12 | 0°11 | S 5 |
| S 6 | 7 3 6 | 15°18'57 | 22°38 | 5° 7 | 29°58 | 28° 1 | 13°34 | 9°50 | 19° 5 | 8°45 | 1°25 | 6°19 | 4°53 | 22°18 | 0° 9 | S 6 |
| M 7 | 7 7 3 | 16°19'59 | 4♍43 | 4°13 | 1♒14 | 27°38 | 13°44 | 9°50 | 19° 4 | 8°47 | 1°26 | 6°12 | 4°50 | 22°25 | 0° 7 | M 7 |
| T 8 | 7 10 59 | 17°21'01 | 16°40 | 3°30 | 2°29 | 27°15 | 13°55 | 9°49 | 19° 3 | 8°49 | 1°26 | 6° 6 | 4°47 | 22°32 | 0° 5 | T 8 |
| W 9 | 7 14 56 | 18°22'04 | 28°32 | 2°57 | 3°44 | 26°52 | 14° 6 | 9°49 | 19° 3 | 8°51 | 1°27 | 6° 2 | 4°44 | 22°39 | 0° 3 | W 9 |
| T 10 | 7 18 52 | 19°23'08 | 10♎23 | 2°35 | 4°59 | 26°29 | 14°17 | 9°49 | 19° 2 | 8°54 | 1°28 | 6° 0 | 4°41 | 22°45 | 0° 2 | T 10 |
| F 11 | 7 22 49 | 20°24'13 | 22°18 | 2°24 | 6°15 | 26° 5 | 14°29 | 9°D49 | 19° 1 | 8°56 | 1°29 | 5°D59 | 4°38 | 22°52 | 29♉59 | F 11 |
| S 12 | 7 26 46 | 21°25'18 | 4♏22 | 2°D22 | 7°30 | 25°41 | 14°40 | 9°49 | 19° 0 | 8°58 | 1°30 | 6° 0 | 4°34 | 22°59 | 29°58 | S 12 |
| S 13 | 7 30 42 | 22°26'23 | 16°41 | 2°30 | 8°45 | 25°17 | 14°51 | 9°49 | 18°59 | 9° 0 | 1°31 | 6° 2 | 4°31 | 23° 5 | 29°57 | S 13 |
| M14 | 7 34 39 | 23°27'29 | 29°19 | 2°46 | 10° 0 | 24°54 | 15° 3 | 9°49 | 18°58 | 9° 3 | 1°31 | 6° 3 | 4°28 | 23°12 | 29°55 | M14 |
| T 15 | 7 38 35 | 24°28'36 | 12♐19 | 3°10 | 11°15 | 24°30 | 15°14 | 9°49 | 18°57 | 9° 5 | 1°32 | 6°R 3 | 4°25 | 23°19 | 29°54 | T 15 |
| W16 | 7 42 32 | 25°29'43 | 25°45 | 3°41 | 12°31 | 24° 6 | 15°26 | 9°50 | 18°55 | 9° 7 | 1°33 | 6° 1 | 4°22 | 23°26 | 29°52 | W16 |
| T 17 | 7 46 28 | 26°30'51 | 9♑37 | 4°18 | 13°46 | 23°42 | 15°38 | 9°50 | 18°54 | 9° 9 | 1°33 | 5°57 | 4°19 | 23°32 | 29°51 | T 17 |
| F 18 | 7 50 25 | 27°31'59 | 23°52 | 5° 0 | 15° 1 | 23°19 | 15°50 | 9°51 | 18°53 | 9°11 | 1°34 | 5°50 | 4°15 | 23°39 | 29°50 | F 18 |
| S 19 | 7 54 21 | 28°33'06 | 8♒26 | 5°48 | 16°16 | 22°56 | 16° 2 | 9°52 | 18°51 | 9°13 | 1°34 | 5°42 | 4°12 | 23°46 | 29°48 | S 19 |
| S 20 | 7 58 18 | 29°34'14 | 23°11 | 6°40 | 17°31 | 22°33 | 16°14 | 9°53 | 18°50 | 9°16 | 1°35 | 5°33 | 4° 9 | 23°52 | 29°47 | S 20 |
| M21 | 8 2 15 | 0♒35'22 | 7♓59 | 7°36 | 18°46 | 22°10 | 16°26 | 9°54 | 18°49 | 9°18 | 1°35 | 5°24 | 4° 6 | 23°59 | 29°46 | M21 |
| T 22 | 8 6 11 | 1°36'29 | 22°42 | 8°36 | 20° 1 | 21°48 | 16°38 | 9°55 | 18°47 | 9°20 | 1°36 | 5°17 | 4° 3 | 24° 6 | 29°45 | T 22 |
| W23 | 8 10 8 | 2°37'36 | 7♈14 | 9°38 | 21°17 | 21°27 | 16°50 | 9°56 | 18°46 | 9°22 | 1°36 | 5°12 | 3°59 | 24°13 | 29°44 | W23 |
| T 24 | 8 14 4 | 3°38'42 | 21°31 | 10°44 | 22°32 | 21° 5 | 17° 3 | 9°57 | 18°44 | 9°24 | 1°37 | 5° 9 | 3°56 | 24°19 | 29°43 | T 24 |
| F 25 | 8 18 1 | 4°39'48 | 5♉29 | 11°52 | 23°47 | 20°44 | 17°15 | 9°59 | 18°42 | 9°26 | 1°37 | 5°D 9 | 3°53 | 24°26 | 29°42 | F 25 |
| S 26 | 8 21 57 | 5°40'54 | 19°10 | 13° 2 | 25° 2 | 20°24 | 17°28 | 10° 0 | 18°41 | 9°28 | 1°37 | 5° 9 | 3°50 | 24°33 | 29°41 | S 26 |
| S 27 | 8 25 54 | 6°41'59 | 2♊35 | 14°15 | 26°17 | 20° 4 | 17°40 | 10° 2 | 18°39 | 9°30 | 1°37 | 5°R10 | 3°47 | 24°39 | 29°41 | S 27 |
| M28 | 8 29 50 | 7°43'04 | 15°45 | 15°29 | 27°32 | 19°45 | 17°53 | 10° 4 | 18°37 | 9°32 | 1°38 | 5° 9 | 3°44 | 24°46 | 29°40 | M28 |
| T 29 | 8 33 47 | 8°44'08 | 28°42 | 16°44 | 28°47 | 19°27 | 18° 6 | 10° 6 | 18°35 | 9°35 | 1°38 | 5° 7 | 3°40 | 24°53 | 29°39 | T 29 |
| W30 | 8 37 44 | 9°45'12 | 11♋28 | 18° 2 | 0♓ 2 | 19° 9 | 18°19 | 10° 8 | 18°34 | 9°37 | 1°38 | 5° 1 | 3°37 | 25° 0 | 29°39 | W30 |
| T 31 | 8 41 40 | 10♒46'15 | 24♋ 4 | 19♑20 | 1♓17 | 18♋52 | 18♓32 | 10♉10 | 18♍32 | 9♑39 | 1♏38 | 4♊53 | 3♊34 | 25♍ 6 | 29♉38 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s55 | 23n59 | 1n 7 | 20s53 | 1n57 | 22s19 | 1s 6 | 23n41 | 3n41 | 7s43 | 1s 2 | 12n18 | 2s32 | 5n 1 | 0n48 | 21s55 | 1n 8 | 3n59 | 16n52 | 21n20 | 21n 3 | 7n47 | 16n10 | 4s 2 |
| W 2 | 22 50 | 25 32 | 2 14 | 20 43 | 2 14 | 22 8 | 1 7 | 23 48 | 3 44 | 7 39 | 1 2 | 12 18 | 2 31 | 5 1 | 0 48 | 21 55 | 1 8 | 3 59 | 16 52 | 21 19 | 21 2 | 7 45 | 16 9 | 4 2 |
| T 3 | 22 45 | 25 40 | 3 14 | 20 34 | 2 28 | 21 56 | 1 9 | 23 55 | 3 46 | 7 35 | 1 2 | 12 18 | 2 31 | 5 2 | 0 48 | 21 54 | 1 8 | 3 59 | 16 53 | 21 19 | 21 2 | 7 42 | 16 9 | 4 2 |
| F 4 | 22 39 | 24 26 | 4 2 | 20 27 | 2 40 | 21 43 | 1 11 | 24 1 | 3 48 | 7 31 | 1 1 | 12 18 | 2 31 | 5 2 | 0 48 | 21 54 | 1 8 | 3 59 | 16 53 | 21 18 | 21 1 | 7 39 | 16 9 | 4 2 |
| S 5 | 22 33 | 22 1 | 4 38 | 20 21 | 2 49 | 21 29 | 1 12 | 24 8 | 3 50 | 7 27 | 1 1 | 12 18 | 2 31 | 5 2 | 0 48 | 21 54 | 1 8 | 4 0 | 16 54 | 21 16 | 21 1 | 7 36 | 16 8 | 4 2 |
| S 6 | 22 26 | 18 38 | 5 1 | 20 17 | 2 57 | 21 15 | 1 14 | 24 14 | 3 52 | 7 22 | 1 1 | 12 18 | 2 30 | 5 2 | 0 48 | 21 54 | 1 8 | 4 0 | 16 54 | 21 15 | 21 0 | 7 33 | 16 8 | 4 2 |
| M 7 | 22 19 | 14 32 | 5 9 | 20 14 | 3 1 | 21 1 | 1 16 | 24 21 | 3 54 | 7 18 | 1 1 | 12 19 | 2 30 | 5 3 | 0 48 | 21 54 | 1 8 | 4 0 | 16 55 | 21 14 | 20 59 | 7 30 | 16 8 | 4 2 |
| T 8 | 22 12 | 9 55 | 5 4 | 20 12 | 3 4 | 20 45 | 1 17 | 24 27 | 3 56 | 7 14 | 1 1 | 12 19 | 2 30 | 5 3 | 0 48 | 21 54 | 1 8 | 4 0 | 16 56 | 21 13 | 20 59 | 7 27 | 16 7 | 4 2 |
| W 9 | 22 4 | 4 58 | 4 46 | 20 13 | 3 4 | 20 29 | 1 19 | 24 33 | 3 57 | 7 10 | 1 1 | 12 19 | 2 29 | 5 3 | 0 48 | 21 54 | 1 8 | 4 1 | 16 56 | 21 12 | 20 58 | 7 24 | 16 7 | 4 1 |
| T 10 | 21 55 | 0s10 | 4 16 | 20 15 | 3 3 | 20 13 | 1 20 | 24 40 | 3 59 | 7 5 | 1 1 | 12 19 | 2 29 | 5 4 | 0 48 | 21 53 | 1 8 | 4 1 | 16 57 | 21 12 | 20 58 | 7 21 | 16 7 | 4 1 |
| F 11 | 21 46 | 5 19 | 3 34 | 20 18 | 3 0 | 19 56 | 1 21 | 24 46 | 4 1 | 7 1 | 1 1 | 12 19 | 2 29 | 5 4 | 0 48 | 21 53 | 1 8 | 4 1 | 16 57 | 21 12 | 20 57 | 7 19 | 16 7 | 4 1 |
| S 12 | 21 37 | 10 21 | 2 43 | 20 22 | 2 55 | 19 38 | 1 23 | 24 51 | 4 2 | 6 57 | 1 1 | 12 20 | 2 29 | 5 5 | 0 48 | 21 53 | 1 8 | 4 1 | 16 58 | 21 12 | 20 57 | 7 16 | 16 6 | 4 1 |
| S 13 | 21 27 | 15 6 | 1 43 | 20 28 | 2 50 | 19 20 | 1 24 | 24 57 | 4 3 | 6 52 | 1 1 | 12 20 | 2 28 | 5 5 | 0 49 | 21 53 | 1 8 | 4 2 | 16 58 | 21 12 | 20 56 | 7 13 | 16 6 | 4 1 |
| M14 | 21 17 | 19 18 | 0 36 | 20 34 | 2 43 | 19 1 | 1 25 | 25 3 | 4 4 | 6 48 | 1 0 | 12 20 | 2 28 | 5 5 | 0 49 | 21 53 | 1 8 | 4 2 | 16 59 | 21 12 | 20 55 | 7 10 | 16 6 | 4 1 |
| T 15 | 21 7 | 22 43 | 0s34 | 20 40 | 2 36 | 18 41 | 1 26 | 25 8 | 4 5 | 6 43 | 1 0 | 12 21 | 2 28 | 5 6 | 0 49 | 21 53 | 1 8 | 4 2 | 16 59 | 21 12 | 20 55 | 7 7 | 16 6 | 4 1 |
| W16 | 20 56 | 24 59 | 1 44 | 20 48 | 2 28 | 18 21 | 1 27 | 25 13 | 4 6 | 6 38 | 1 0 | 12 21 | 2 27 | 5 6 | 0 49 | 21 53 | 1 8 | 4 3 | 17 0 | 21 12 | 20 54 | 7 4 | 16 6 | 4 1 |
| T 17 | 20 44 | 25 48 | 2 50 | 20 55 | 2 20 | 18 1 | 1 28 | 25 18 | 4 7 | 6 34 | 1 0 | 12 21 | 2 27 | 5 7 | 0 49 | 21 52 | 1 8 | 4 3 | 17 1 | 21 11 | 20 54 | 7 1 | 16 6 | 4 0 |
| F 18 | 20 33 | 24 57 | 3 48 | 21 2 | 2 11 | 17 40 | 1 29 | 25 23 | 4 8 | 6 29 | 1 0 | 12 22 | 2 27 | 5 8 | 0 49 | 21 52 | 1 8 | 4 3 | 17 1 | 21 10 | 20 53 | 6 58 | 16 5 | 4 0 |
| S 19 | 20 21 | 22 26 | 4 32 | 21 9 | 2 3 | 17 18 | 1 30 | 25 28 | 4 9 | 6 24 | 1 0 | 12 22 | 2 27 | 5 8 | 0 49 | 21 52 | 1 8 | 4 4 | 17 2 | 21 9 | 20 53 | 6 55 | 16 5 | 4 0 |
| S 20 | 20 8 | 18 25 | 4 58 | 21 16 | 1 53 | 16 56 | 1 31 | 25 32 | 4 9 | 6 20 | 1 0 | 12 23 | 2 26 | 5 9 | 0 49 | 21 52 | 1 8 | 4 4 | 17 2 | 21 7 | 20 52 | 6 52 | 16 5 | 4 0 |
| M21 | 19 55 | 13 15 | 5 5 | 21 22 | 1 44 | 16 34 | 1 31 | 25 36 | 4 10 | 6 15 | 1 0 | 12 24 | 2 26 | 5 9 | 0 49 | 21 52 | 1 8 | 4 4 | 17 3 | 21 6 | 20 51 | 6 49 | 16 5 | 4 0 |
| T 22 | 19 42 | 7 21 | 4 51 | 21 28 | 1 35 | 16 11 | 1 32 | 25 40 | 4 10 | 6 10 | 1 0 | 12 24 | 2 26 | 5 10 | 0 49 | 21 52 | 1 8 | 4 5 | 17 4 | 21 4 | 20 51 | 6 46 | 16 5 | 4 0 |
| W23 | 19 28 | 1 7 | 4 19 | 21 33 | 1 26 | 15 48 | 1 33 | 25 44 | 4 10 | 6 5 | 1 0 | 12 25 | 2 25 | 5 11 | 0 49 | 21 51 | 1 8 | 4 5 | 17 4 | 21 3 | 20 50 | 6 44 | 16 5 | 4 0 |
| T 24 | 19 14 | 5n 4 | 3 31 | 21 37 | 1 16 | 15 24 | 1 33 | 25 47 | 4 10 | 6 0 | 1 0 | 12 26 | 2 25 | 5 11 | 0 49 | 21 51 | 1 8 | 4 6 | 17 5 | 21 3 | 20 50 | 6 41 | 16 5 | 3 59 |
| F 25 | 19 0 | 10 54 | 2 32 | 21 41 | 1 7 | 15 0 | 1 34 | 25 51 | 4 10 | 5 56 | 1 0 | 12 26 | 2 25 | 5 12 | 0 49 | 21 51 | 1 8 | 4 6 | 17 5 | 21 3 | 20 49 | 6 38 | 16 5 | 3 59 |
| S 26 | 18 45 | 16 4 | 1 24 | 21 43 | 0 58 | 14 35 | 1 34 | 25 54 | 4 10 | 5 51 | 1 0 | 12 27 | 2 25 | 5 13 | 0 49 | 21 51 | 1 8 | 4 7 | 17 6 | 21 3 | 20 48 | 6 35 | 16 5 | 3 59 |
| S 27 | 18 30 | 20 21 | 0 14 | 21 45 | 0 49 | 14 10 | 1 34 | 25 56 | 4 10 | 5 46 | 0 59 | 12 28 | 2 24 | 5 13 | 0 49 | 21 51 | 1 8 | 4 7 | 17 6 | 21 3 | 20 48 | 6 32 | 16 5 | 3 59 |
| M28 | 18 15 | 23 29 | 0n56 | 21 46 | 0 39 | 13 45 | 1 35 | 25 59 | 4 10 | 5 41 | 0 59 | 12 29 | 2 24 | 5 14 | 0 49 | 21 51 | 1 8 | 4 8 | 17 7 | 21 3 | 20 47 | 6 29 | 16 5 | 3 59 |
| T 29 | 17 59 | 25 20 | 2 2 | 21 46 | 0 31 | 13 19 | 1 35 | 26 1 | 4 9 | 5 36 | 0 59 | 12 30 | 2 24 | 5 15 | 0 49 | 21 51 | 1 8 | 4 8 | 17 8 | 21 2 | 20 47 | 6 26 | 16 5 | 3 59 |
| W30 | 17 43 | 25 49 | 3 0 | 21 45 | 0 22 | 12 53 | 1 35 | 26 4 | 4 9 | 5 31 | 0 59 | 12 30 | 2 23 | 5 15 | 0 49 | 21 50 | 1 8 | 4 9 | 17 8 | 21 1 | 20 46 | 6 23 | 16 5 | 3 59 |
| T 31 | 17s26 | 24n57 | 3n49 | 21s43 | 0n13 | 12s26 | 1s35 | 26n 5 | 4n 8 | 5s26 | 0s59 | 12n31 | 2s23 | 5n16 | 0n49 | 21s50 | 1n 8 | 4n 9 | 17n 9 | 21n 0 | 20n45 | 6n20 | 16n 5 | 3s58 |

Julian Day Number = 2806195.5, Delta T = 51m46s
Ecliptic obliquity = 23°18'52, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°19'57, Lahiri = 37°26'57


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# ASTRODIENST EPHEMERIS for the year 2971
# geocentric

## FEBRUARY 2971 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 8 45 37 | 11♒47'18 | 6♌30 | 20♑40 | 2♓32 | 18°R36 | 18♓44 | 10♉12 | 18°R30 | 9♑41 | 1♏38 | 4°R42 | 3♊31 | 25♍13 | 29°R38 | F 1 |
| S 2 | 8 49 33 | 12°48'20 | 18°47 | 22° 1 | 3°47 | 18♋20 | 18°58 | 10°14 | 18♍28 | 9°43 | 1°38 | 4♊30 | 3°28 | 25°20 | 29♉37 | S 2 |
| S 3 | 8 53 30 | 13°49'22 | 0♍56 | 23°23 | 5° 2 | 18° 5 | 19°11 | 10°17 | 18°26 | 9°45 | 1°R38 | 4°16 | 3°25 | 25°26 | 29°37 | S 3 |
| M 4 | 8 57 26 | 14°50'23 | 12°57 | 24°47 | 6°17 | 17°51 | 19°24 | 10°19 | 18°24 | 9°46 | 1°38 | 4° 3 | 3°21 | 25°33 | 29°37 | M 4 |
| T 5 | 9 1 23 | 15°51'24 | 24°51 | 26°11 | 7°31 | 17°37 | 19°37 | 10°22 | 18°22 | 9°48 | 1°38 | 3°51 | 3°18 | 25°40 | 29°37 | T 5 |
| W 6 | 9 5 20 | 16°52'25 | 6♎42 | 27°36 | 8°46 | 17°24 | 19°50 | 10°24 | 18°20 | 9°50 | 1°38 | 3°42 | 3°15 | 25°47 | 29°36 | W 6 |
| T 7 | 9 9 16 | 17°53'25 | 18°32 | 29° 1 | 10° 1 | 17°12 | 20° 4 | 10°27 | 18°18 | 9°52 | 1°38 | 3°35 | 3°12 | 25°53 | 29°D36 | T 7 |
| F 8 | 9 13 13 | 18°54'24 | 0♏25 | 0♒28 | 11°16 | 17° 1 | 20°17 | 10°30 | 18°15 | 9°54 | 1°38 | 3°31 | 3° 9 | 26° 0 | 29°36 | F 8 |
| S 9 | 9 17 9 | 19°55'23 | 12°26 | 1°56 | 12°31 | 16°51 | 20°30 | 10°33 | 18°13 | 9°56 | 1°38 | 3°30 | 3° 5 | 26° 7 | 29°36 | S 9 |
| S 10 | 9 21 6 | 20°56'22 | 24°40 | 3°24 | 13°46 | 16°41 | 20°44 | 10°36 | 18°11 | 9°58 | 1°37 | 3°D30 | 3° 2 | 26°13 | 29°37 | S 10 |
| M11 | 9 25 2 | 21°57'21 | 7♐12 | 4°53 | 15° 0 | 16°33 | 20°58 | 10°40 | 18° 9 | 10° 0 | 1°37 | 3°R30 | 2°59 | 26°20 | 29°37 | M11 |
| T 12 | 9 28 59 | 22°58'19 | 20° 9 | 6°22 | 16°15 | 16°25 | 21°11 | 10°43 | 18° 6 | 10° 1 | 1°37 | 3°29 | 2°56 | 26°27 | 29°37 | T 12 |
| W13 | 9 32 55 | 23°59'16 | 3♑32 | 7°53 | 17°30 | 16°18 | 21°25 | 10°46 | 18° 4 | 10° 3 | 1°36 | 3°26 | 2°53 | 26°34 | 29°37 | W13 |
| T 14 | 9 36 52 | 25° 0'13 | 17°26 | 9°24 | 18°44 | 16°11 | 21°39 | 10°50 | 18° 2 | 10° 5 | 1°36 | 3°20 | 2°50 | 26°40 | 29°38 | T 14 |
| F 15 | 9 40 49 | 26° 1'09 | 1♒49 | 10°56 | 19°59 | 16° 6 | 21°52 | 10°53 | 17°59 | 10° 7 | 1°36 | 3°12 | 2°46 | 26°47 | 29°38 | F 15 |
| S 16 | 9 44 45 | 27° 2'04 | 16°36 | 12°28 | 21°14 | 16° 1 | 22° 6 | 10°57 | 17°57 | 10° 8 | 1°35 | 3° 1 | 2°43 | 26°54 | 29°39 | S 16 |
| S 17 | 9 48 42 | 28° 2'59 | 1♓41 | 14° 2 | 22°28 | 15°57 | 22°20 | 11° 1 | 17°55 | 10°10 | 1°35 | 2°49 | 2°40 | 27° 0 | 29°39 | S 17 |
| M18 | 9 52 38 | 29° 3'52 | 16°52 | 15°36 | 23°43 | 15°54 | 22°34 | 11° 5 | 17°52 | 10°12 | 1°34 | 2°38 | 2°37 | 27° 7 | 29°40 | M18 |
| T 19 | 9 56 35 | 0♓ 4'44 | 2♈ 0 | 17°10 | 24°57 | 15°52 | 22°48 | 11° 9 | 17°50 | 10°13 | 1°34 | 2°27 | 2°34 | 27°14 | 29°41 | T 19 |
| W20 | 10 0 31 | 1° 5'35 | 16°55 | 18°46 | 26°12 | 15°50 | 23° 2 | 11°13 | 17°47 | 10°15 | 1°33 | 2°20 | 2°31 | 27°21 | 29°41 | W20 |
| T 21 | 10 4 28 | 2° 6'24 | 1♉28 | 20°22 | 27°26 | 15°D49 | 23°16 | 11°17 | 17°45 | 10°16 | 1°32 | 2°15 | 2°27 | 27°27 | 29°42 | T 21 |
| F 22 | 10 8 24 | 3° 7'13 | 15°38 | 21°59 | 28°41 | 15°49 | 23°30 | 11°21 | 17°42 | 10°18 | 1°32 | 2°13 | 2°24 | 27°34 | 29°43 | F 22 |
| S 23 | 10 12 21 | 4° 8'00 | 29°23 | 23°36 | 29°55 | 15°50 | 23°44 | 11°25 | 17°40 | 10°19 | 1°31 | 2°12 | 2°21 | 27°41 | 29°44 | S 23 |
| S 24 | 10 16 17 | 5° 8'45 | 12♊45 | 25°15 | 1♈ 9 | 15°52 | 23°58 | 11°30 | 17°37 | 10°21 | 1°30 | 2°12 | 2°18 | 27°47 | 29°45 | S 24 |
| M25 | 10 20 14 | 6° 9'29 | 25°46 | 26°54 | 2°24 | 15°54 | 24°12 | 11°34 | 17°35 | 10°22 | 1°30 | 2°11 | 2°15 | 27°54 | 29°46 | M25 |
| T 26 | 10 24 11 | 7°10'11 | 8♋31 | 28°34 | 3°38 | 15°57 | 24°26 | 11°39 | 17°32 | 10°24 | 1°29 | 2° 8 | 2°11 | 28° 1 | 29°47 | T 26 |
| W27 | 10 28 7 | 8°10'52 | 21° 2 | 0♓15 | 4°52 | 16° 1 | 24°41 | 11°44 | 17°30 | 10°25 | 1°28 | 2° 2 | 2° 8 | 28° 8 | 29°49 | W27 |
| T 28 | 10 32 4 | 9♓11'32 | 3♌23 | 1♓56 | 6♈ 6 | 16♋ 5 | 24♓55 | 11♉48 | 17♍27 | 10♑27 | 1♏27 | 1♊53 | 2♊ 5 | 28♍14 | 29♉50 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17s10 | 22n50 | 4n26 | 21s39 | 0n 5 | 12s 0 | 1s35 | 26n 7 | 4n 8 | 5s20 | 0s59 | 12n32 | 2s23 | 5n17 | 0n49 | 21s50 | 1n 8 | 4n10 | 17n 9 | 20n58 | 20n45 | 6n17 | 16n 5 | 3s58 |
| S 2 | 16 53 | 19 42 | 4 50 | 21 35 | 0s 3 | 11 33 | 1 35 | 26 9 | 4 7 | 5 15 | 0 59 | 12 33 | 2 23 | 5 18 | 0 49 | 21 50 | 1 8 | 4 10 | 17 10 | 20 56 | 20 44 | 6 14 | 16 5 | 3 58 |
| S 3 | 16 35 | 15 46 | 5 1 | 21 29 | 0 11 | 11 5 | 1 35 | 26 10 | 4 6 | 5 10 | 0 59 | 12 34 | 2 22 | 5 19 | 0 49 | 21 50 | 1 8 | 4 11 | 17 11 | 20 53 | 20 44 | 6 11 | 16 5 | 3 58 |
| M 4 | 16 18 | 11 15 | 4 58 | 21 22 | 0 19 | 10 37 | 1 34 | 26 11 | 4 5 | 5 5 | 0 59 | 12 35 | 2 22 | 5 19 | 0 49 | 21 50 | 1 8 | 4 11 | 17 11 | 20 51 | 20 43 | 6 8 | 16 5 | 3 58 |
| T 5 | 16 0 | 6 21 | 4 41 | 21 15 | 0 27 | 10 9 | 1 34 | 26 12 | 4 4 | 5 0 | 0 59 | 12 36 | 2 22 | 5 20 | 0 49 | 21 49 | 1 8 | 4 12 | 17 12 | 20 49 | 20 42 | 6 5 | 16 5 | 3 58 |
| W 6 | 15 42 | 1 14 | 4 13 | 21 6 | 0 34 | 9 41 | 1 34 | 26 13 | 4 3 | 4 54 | 0 59 | 12 37 | 2 21 | 5 21 | 0 49 | 21 49 | 1 8 | 4 12 | 17 12 | 20 47 | 20 42 | 6 2 | 16 6 | 3 57 |
| T 7 | 15 23 | 3s55 | 3 34 | 20 55 | 0 41 | 9 13 | 1 33 | 26 13 | 4 2 | 4 49 | 0 59 | 12 39 | 2 21 | 5 22 | 0 49 | 21 49 | 1 8 | 4 13 | 17 13 | 20 46 | 20 41 | 5 59 | 16 6 | 3 57 |
| F 8 | 15 5 | 8 58 | 2 46 | 20 44 | 0 48 | 8 44 | 1 33 | 26 13 | 4 1 | 4 44 | 0 59 | 12 40 | 2 21 | 5 23 | 0 49 | 21 49 | 1 8 | 4 14 | 17 13 | 20 45 | 20 41 | 5 56 | 16 6 | 3 57 |
| S 9 | 14 46 | 13 45 | 1 49 | 20 31 | 0 55 | 8 15 | 1 32 | 26 14 | 4 0 | 4 39 | 0 59 | 12 41 | 2 21 | 5 24 | 0 49 | 21 49 | 1 8 | 4 14 | 17 14 | 20 45 | 20 40 | 5 53 | 16 6 | 3 57 |
| S 10 | 14 27 | 18 5 | 0 47 | 20 17 | 1 1 | 7 46 | 1 31 | 26 14 | 3 59 | 4 33 | 0 59 | 12 42 | 2 20 | 5 24 | 0 49 | 21 49 | 1 8 | 4 15 | 17 15 | 20 45 | 20 39 | 5 50 | 16 6 | 3 57 |
| M11 | 14 7 | 21 43 | 0s20 | 20 2 | 1 8 | 7 16 | 1 31 | 26 13 | 3 58 | 4 28 | 0 59 | 12 43 | 2 20 | 5 25 | 0 49 | 21 49 | 1 8 | 4 15 | 17 15 | 20 45 | 20 39 | 5 47 | 16 6 | 3 57 |
| T 12 | 13 47 | 24 24 | 1 27 | 19 46 | 1 13 | 6 47 | 1 30 | 26 13 | 3 56 | 4 23 | 0 59 | 12 45 | 2 20 | 5 26 | 0 49 | 21 48 | 1 8 | 4 16 | 17 16 | 20 44 | 20 38 | 5 44 | 16 7 | 3 56 |
| W13 | 13 27 | 25 48 | 2 32 | 19 29 | 1 19 | 6 17 | 1 29 | 26 13 | 3 55 | 4 17 | 0 59 | 12 46 | 2 20 | 5 27 | 0 50 | 21 48 | 1 8 | 4 17 | 17 16 | 20 44 | 20 38 | 5 41 | 16 7 | 3 56 |
| T 14 | 13 7 | 25 39 | 3 30 | 19 10 | 1 25 | 5 47 | 1 28 | 26 12 | 3 53 | 4 12 | 0 59 | 12 47 | 2 19 | 5 28 | 0 50 | 21 48 | 1 8 | 4 17 | 17 17 | 20 43 | 20 37 | 5 38 | 16 7 | 3 56 |
| F 15 | 12 47 | 23 49 | 4 17 | 18 50 | 1 30 | 5 17 | 1 27 | 26 11 | 3 52 | 4 6 | 0 59 | 12 49 | 2 19 | 5 29 | 0 50 | 21 48 | 1 8 | 4 18 | 17 17 | 20 41 | 20 36 | 5 35 | 16 7 | 3 56 |
| S 16 | 12 26 | 20 21 | 4 48 | 18 29 | 1 34 | 4 47 | 1 26 | 26 11 | 3 51 | 4 1 | 0 59 | 12 50 | 2 19 | 5 30 | 0 50 | 21 48 | 1 8 | 4 19 | 17 18 | 20 39 | 20 36 | 5 32 | 16 8 | 3 56 |
| S 17 | 12 5 | 15 29 | 5 0 | 18 7 | 1 39 | 4 16 | 1 25 | 26 10 | 3 49 | 3 55 | 0 59 | 12 51 | 2 19 | 5 31 | 0 50 | 21 48 | 1 8 | 4 19 | 17 18 | 20 37 | 20 35 | 5 29 | 16 8 | 3 56 |
| M18 | 11 44 | 9 37 | 4 51 | 17 43 | 1 43 | 3 46 | 1 23 | 26 8 | 3 48 | 3 50 | 0 58 | 12 53 | 2 18 | 5 32 | 0 50 | 21 48 | 1 8 | 4 20 | 17 19 | 20 35 | 20 34 | 5 26 | 16 8 | 3 55 |
| T 19 | 11 23 | 3 13 | 4 21 | 17 19 | 1 47 | 3 15 | 1 22 | 26 7 | 3 46 | 3 44 | 0 58 | 12 54 | 2 18 | 5 33 | 0 50 | 21 47 | 1 8 | 4 21 | 17 20 | 20 33 | 20 34 | 5 23 | 16 9 | 3 55 |
| W20 | 11 2 | 3n18 | 3 35 | 16 53 | 1 51 | 2 44 | 1 21 | 26 6 | 3 45 | 3 39 | 0 58 | 12 56 | 2 18 | 5 34 | 0 50 | 21 47 | 1 8 | 4 21 | 17 20 | 20 31 | 20 33 | 5 20 | 16 9 | 3 55 |
| T 21 | 10 40 | 9 30 | 2 35 | 16 26 | 1 54 | 2 14 | 1 19 | 26 4 | 3 43 | 3 33 | 0 58 | 12 57 | 2 18 | 5 35 | 0 50 | 21 47 | 1 8 | 4 22 | 17 21 | 20 30 | 20 33 | 5 17 | 16 9 | 3 55 |
| F 22 | 10 18 | 15 3 | 1 26 | 15 57 | 1 57 | 1 43 | 1 18 | 26 3 | 3 41 | 3 28 | 0 58 | 12 59 | 2 17 | 5 36 | 0 50 | 21 47 | 1 8 | 4 23 | 17 21 | 20 30 | 20 32 | 5 14 | 16 10 | 3 55 |
| S 23 | 9 57 | 19 40 | 0 15 | 15 28 | 2 0 | 1 12 | 1 16 | 26 1 | 3 40 | 3 22 | 0 58 | 13 0 | 2 17 | 5 37 | 0 50 | 21 47 | 1 8 | 4 23 | 17 22 | 20 30 | 20 31 | 5 11 | 16 10 | 3 55 |
| S 24 | 9 35 | 23 7 | 0n55 | 14 57 | 2 2 | 0 41 | 1 15 | 25 59 | 3 38 | 3 17 | 0 58 | 13 2 | 2 17 | 5 38 | 0 50 | 21 47 | 1 8 | 4 24 | 17 22 | 20 30 | 20 31 | 5 8 | 16 10 | 3 54 |
| M25 | 9 12 | 25 16 | 2 1 | 14 25 | 2 4 | 0 10 | 1 13 | 25 58 | 3 37 | 3 11 | 0 58 | 13 4 | 2 17 | 5 39 | 0 50 | 21 47 | 1 8 | 4 25 | 17 23 | 20 29 | 20 30 | 5 5 | 16 11 | 3 54 |
| T 26 | 8 50 | 26 1 | 2 59 | 13 52 | 2 5 | 0n21 | 1 11 | 25 56 | 3 35 | 3 5 | 0 58 | 13 5 | 2 16 | 5 40 | 0 50 | 21 46 | 1 8 | 4 26 | 17 23 | 20 29 | 20 30 | 5 2 | 16 11 | 3 54 |
| W27 | 8 28 | 25 25 | 3 47 | 13 18 | 2 7 | 0 52 | 1 9 | 25 54 | 3 33 | 3 0 | 0 58 | 13 7 | 2 16 | 5 41 | 0 50 | 21 46 | 1 8 | 4 26 | 17 24 | 20 28 | 20 29 | 4 59 | 16 12 | 3 54 |
| T 28 | 8s 5 | 23n34 | 4n24 | 12s43 | 2s 7 | 1n23 | 1s 7 | 25n51 | 3n32 | 2s54 | 0s58 | 13n 8 | 2s16 | 5n42 | 0n50 | 21s46 | 1n 8 | 4n27 | 17n24 | 20n26 | 20n28 | 4n56 | 16n12 | 3s54 |

Julian Day Number = 2806226.5, Delta T = 51m47s
Ecliptic obliquity = 23°18'52, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°20'01, Lahiri = 37°27'01


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# ASTRODIENST EPHEMERIS for the year 2971
# geocentric

## MARCH 2971 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 36 0 | 10♓12'10 | 15♌35 | 3♓39 | 7♈21 | 16♋10 | 25♓ 9 | 11♉53 | 17°R24 | 10♏28 | 1°R26 | 1°R42 | 2♊ 2 | 28♍21 | 29♉51 | F 1 |
| S 2 | 10 39 57 | 11°12'46 | 27°41 | 5°22 | 8°35 | 16°16 | 25°23 | 11°58 | 17♍22 | 10°29 | 1♏25 | 1♊28 | 1°59 | 28°28 | 29°53 | S 2 |
| S 3 | 10 43 53 | 12°13'21 | 9♍40 | 7° 6 | 9°49 | 16°23 | 25°38 | 12° 3 | 17°19 | 10°31 | 1°25 | 1°13 | 1°56 | 28°34 | 29°54 | S 3 |
| M 4 | 10 47 50 | 13°13'55 | 21°36 | 8°52 | 11° 3 | 16°30 | 25°52 | 12° 8 | 17°16 | 10°32 | 1°24 | 0°59 | 1°52 | 28°41 | 29°55 | M 4 |
| T 5 | 10 51 46 | 14°14'27 | 3♎28 | 10°38 | 12°17 | 16°37 | 26° 6 | 12°13 | 17°14 | 10°33 | 1°23 | 0°46 | 1°49 | 28°48 | 29°57 | T 5 |
| W 6 | 10 55 43 | 15°14'58 | 15°18 | 12°24 | 13°31 | 16°46 | 26°21 | 12°18 | 17°11 | 10°34 | 1°22 | 0°36 | 1°46 | 28°54 | 29°59 | W 6 |
| T 7 | 10 59 40 | 16°15'27 | 27° 9 | 14°12 | 14°45 | 16°55 | 26°35 | 12°24 | 17° 9 | 10°36 | 1°21 | 0°28 | 1°43 | 29° 1 | 0♊ 0 | T 7 |
| F 8 | 11 3 36 | 17°15'56 | 9♏ 3 | 16° 1 | 15°58 | 17° 4 | 26°50 | 12°29 | 17° 6 | 10°37 | 1°19 | 0°24 | 1°40 | 29° 8 | 0° 2 | F 8 |
| S 9 | 11 7 33 | 18°16'23 | 21° 5 | 17°50 | 17°12 | 17°14 | 27° 4 | 12°34 | 17° 3 | 10°38 | 1°18 | 0°22 | 1°36 | 29°15 | 0° 4 | S 9 |
| S 10 | 11 11 29 | 19°16'48 | 3♐17 | 19°41 | 18°26 | 17°25 | 27°19 | 12°40 | 17° 1 | 10°39 | 1°17 | 0°D21 | 1°33 | 29°21 | 0° 6 | S 10 |
| M11 | 11 15 26 | 20°17'13 | 15°47 | 21°32 | 19°40 | 17°36 | 27°33 | 12°46 | 16°58 | 10°40 | 1°16 | 0°R22 | 1°30 | 29°28 | 0° 8 | M11 |
| T 12 | 11 19 22 | 21°17'36 | 28°37 | 23°24 | 20°53 | 17°48 | 27°47 | 12°51 | 16°55 | 10°41 | 1°15 | 0°21 | 1°27 | 29°35 | 0°10 | T 12 |
| W13 | 11 23 19 | 22°17'58 | 11♑54 | 25°17 | 22° 7 | 18° 0 | 28° 2 | 12°57 | 16°53 | 10°42 | 1°14 | 0°20 | 1°24 | 29°41 | 0°12 | W13 |
| T 14 | 11 27 15 | 23°18'18 | 25°39 | 27°10 | 23°20 | 18°13 | 28°16 | 13° 3 | 16°50 | 10°43 | 1°13 | 0°16 | 1°21 | 29°48 | 0°14 | T 14 |
| F 15 | 11 31 12 | 24°18'37 | 9♒54 | 29° 4 | 24°34 | 18°26 | 28°31 | 13° 8 | 16°48 | 10°44 | 1°11 | 0° 9 | 1°17 | 29°55 | 0°16 | F 15 |
| S 16 | 11 35 9 | 25°18'55 | 24°38 | 0♈59 | 25°47 | 18°40 | 28°45 | 13°14 | 16°45 | 10°45 | 1°10 | 0° 1 | 1°14 | 0♎ 2 | 0°18 | S 16 |
| S 17 | 11 39 5 | 26°19'11 | 9♓43 | 2°54 | 27° 1 | 18°55 | 29° 0 | 13°20 | 16°42 | 10°46 | 1° 9 | 29♉51 | 1°11 | 0° 8 | 0°20 | S 17 |
| M18 | 11 43 2 | 27°19'26 | 25° 1 | 4°49 | 28°14 | 19° 9 | 29°15 | 13°26 | 16°40 | 10°47 | 1° 7 | 29°41 | 1° 8 | 0°15 | 0°23 | M18 |
| T 19 | 11 46 58 | 28°19'38 | 10♈20 | 6°44 | 29°27 | 19°25 | 29°29 | 13°32 | 16°37 | 10°48 | 1° 6 | 29°33 | 1° 5 | 0°22 | 0°25 | T 19 |
| W20 | 11 50 55 | 29°19'49 | 25°29 | 8°39 | 0♉41 | 19°41 | 29°44 | 13°39 | 16°35 | 10°48 | 1° 5 | 29°26 | 1° 2 | 0°28 | 0°27 | W20 |
| T 21 | 11 54 51 | 0♈19'58 | 10♉19 | 10°33 | 1°54 | 19°57 | 29°58 | 13°45 | 16°32 | 10°49 | 1° 3 | 29°22 | 0°58 | 0°35 | 0°30 | T 21 |
| F 22 | 11 58 48 | 1°20'05 | 24°44 | 12°27 | 3° 7 | 20°14 | 0♈13 | 13°51 | 16°30 | 10°50 | 1° 2 | 29°D21 | 0°55 | 0°42 | 0°32 | F 22 |
| S 23 | 12 2 44 | 2°20'10 | 8♊41 | 14°19 | 4°20 | 20°31 | 0°27 | 13°57 | 16°27 | 10°51 | 1° 1 | 29°21 | 0°52 | 0°48 | 0°35 | S 23 |
| S 24 | 12 6 41 | 3°20'13 | 22°11 | 16°10 | 5°33 | 20°48 | 0°42 | 14° 4 | 16°25 | 10°51 | 0°59 | 29°22 | 0°49 | 0°55 | 0°37 | S 24 |
| M25 | 12 10 38 | 4°20'14 | 5♋16 | 18° 0 | 6°46 | 21° 6 | 0°56 | 14°10 | 16°22 | 10°52 | 0°58 | 29°R22 | 0°46 | 1° 2 | 0°40 | M25 |
| T 26 | 12 14 34 | 5°20'13 | 18° 0 | 19°46 | 7°59 | 21°25 | 1°11 | 14°17 | 16°20 | 10°52 | 0°56 | 29°21 | 0°42 | 1° 9 | 0°43 | T 26 |
| W27 | 12 18 31 | 6°20'10 | 0♌26 | 21°30 | 9°11 | 21°43 | 1°25 | 14°23 | 16°17 | 10°53 | 0°55 | 29°18 | 0°39 | 1°15 | 0°45 | W27 |
| T 28 | 12 22 27 | 7°20'04 | 12°40 | 23°11 | 10°24 | 22° 2 | 1°40 | 14°30 | 16°15 | 10°54 | 0°53 | 29°13 | 0°36 | 1°22 | 0°48 | T 28 |
| F 29 | 12 26 24 | 8°19'57 | 24°44 | 24°48 | 11°37 | 22°22 | 1°54 | 14°36 | 16°12 | 10°54 | 0°52 | 29° 6 | 0°33 | 1°29 | 0°51 | F 29 |
| S 30 | 12 30 20 | 9°19'47 | 6♍41 | 26°21 | 12°49 | 22°42 | 2° 9 | 14°43 | 16°10 | 10°55 | 0°50 | 28°57 | 0°30 | 1°35 | 0°54 | S 30 |
| S 31 | 12 34 17 | 10♈19'35 | 18♍35 | 27♈48 | 14♉ 2 | 23♋ 2 | 2♈23 | 14♉50 | 16♍ 8 | 10♏55 | 0♏49 | 28♉47 | 0♊27 | 1♎42 | 0♊57 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 7s42 | 20n40 | 4n48 | 12s 6 | 2s 8 | 1n54 | 1s 5 | 25n49 | 3n30 | 2s49 | 0s58 | 13n10 | 2s16 | 5n43 | 0n50 | 21s46 | 1n 8 | 4n28 | 17n25 | 20n24 | 20n28 | 4n53 | 16n12 | 3s54 | F 1 |
| S 2 | 7 19 | 16 54 | 4 59 | 11 28 | 2 8 | 2 25 | 1 3 | 25 47 | 3 29 | 2 43 | 0 58 | 13 12 | 2 15 | 5 44 | 0 50 | 21 46 | 1 8 | 4 28 | 17 25 | 20 21 | 20 27 | 4 50 | 16 13 | 3 53 | S 2 |
| S 3 | 6 56 | 12 29 | 4 56 | 10 50 | 2 7 | 2 56 | 1 1 | 25 44 | 3 27 | 2 37 | 0 58 | 13 14 | 2 15 | 5 45 | 0 50 | 21 46 | 1 8 | 4 29 | 17 26 | 20 18 | 20 26 | 4 47 | 16 13 | 3 53 | S 3 |
| M 4 | 6 33 | 7 37 | 4 41 | 10 9 | 2 6 | 3 27 | 0 59 | 25 42 | 3 25 | 2 32 | 0 58 | 13 15 | 2 15 | 5 46 | 0 50 | 21 46 | 1 9 | 4 30 | 17 26 | 20 15 | 20 26 | 4 44 | 16 14 | 3 53 | M 4 |
| T 5 | 6 10 | 2 30 | 4 13 | 9 28 | 2 5 | 3 57 | 0 57 | 25 39 | 3 24 | 2 26 | 0 58 | 13 17 | 2 15 | 5 47 | 0 50 | 21 46 | 1 9 | 4 31 | 17 26 | 20 12 | 20 25 | 4 41 | 16 14 | 3 53 | T 5 |
| W 6 | 5 47 | 2s42 | 3 34 | 8 46 | 2 3 | 4 28 | 0 55 | 25 37 | 3 22 | 2 20 | 0 58 | 13 19 | 2 14 | 5 48 | 0 50 | 21 45 | 1 9 | 4 31 | 17 27 | 20 10 | 20 24 | 4 38 | 16 15 | 3 53 | W 6 |
| T 7 | 5 24 | 7 49 | 2 46 | 8 3 | 2 1 | 4 59 | 0 52 | 25 34 | 3 20 | 2 15 | 0 58 | 13 21 | 2 14 | 5 49 | 0 50 | 21 45 | 1 9 | 4 32 | 17 27 | 20 9 | 20 24 | 4 35 | 16 15 | 3 53 | T 7 |
| F 8 | 5 0 | 12 42 | 1 50 | 7 18 | 1 58 | 5 29 | 0 50 | 25 31 | 3 19 | 2 9 | 0 58 | 13 22 | 2 14 | 5 50 | 0 50 | 21 45 | 1 9 | 4 33 | 17 28 | 20 8 | 20 23 | 4 32 | 16 16 | 3 53 | F 8 |
| S 9 | 4 37 | 17 9 | 0 49 | 6 32 | 1 55 | 6 0 | 0 47 | 25 28 | 3 17 | 2 3 | 0 58 | 13 24 | 2 14 | 5 51 | 0 50 | 21 45 | 1 9 | 4 34 | 17 28 | 20 7 | 20 23 | 4 29 | 16 16 | 3 52 | S 9 |
| S 10 | 4 13 | 20 58 | 0s16 | 5 46 | 1 51 | 6 30 | 0 45 | 25 25 | 3 15 | 1 57 | 0 58 | 13 26 | 2 14 | 5 52 | 0 50 | 21 45 | 1 9 | 4 34 | 17 29 | 20 7 | 20 22 | 4 26 | 16 17 | 3 52 | S 10 |
| M11 | 3 50 | 23 54 | 1 21 | 4 58 | 1 46 | 7 0 | 0 42 | 25 22 | 3 14 | 1 52 | 0 58 | 13 28 | 2 13 | 5 53 | 0 50 | 21 45 | 1 9 | 4 35 | 17 29 | 20 7 | 20 21 | 4 23 | 16 17 | 3 52 | M11 |
| T 12 | 3 26 | 25 43 | 2 24 | 4 10 | 1 42 | 7 30 | 0 40 | 25 19 | 3 12 | 1 46 | 0 58 | 13 30 | 2 13 | 5 54 | 0 50 | 21 45 | 1 9 | 4 36 | 17 29 | 20 7 | 20 21 | 4 20 | 16 18 | 3 52 | T 12 |
| W13 | 3 2 | 26 8 | 3 22 | 3 20 | 1 36 | 8 0 | 0 37 | 25 16 | 3 11 | 1 40 | 0 58 | 13 32 | 2 13 | 5 55 | 0 50 | 21 45 | 1 9 | 4 37 | 17 30 | 20 7 | 20 20 | 4 17 | 16 18 | 3 52 | W13 |
| T 14 | 2 39 | 25 0 | 4 10 | 2 30 | 1 30 | 8 29 | 0 34 | 25 12 | 3 9 | 1 35 | 0 58 | 13 34 | 2 13 | 5 56 | 0 50 | 21 44 | 1 9 | 4 37 | 17 30 | 20 6 | 20 19 | 4 14 | 16 19 | 3 52 | T 14 |
| F 15 | 2 15 | 22 14 | 4 45 | 1 39 | 1 23 | 8 59 | 0 32 | 25 9 | 3 7 | 1 29 | 0 58 | 13 36 | 2 13 | 5 57 | 0 50 | 21 44 | 1 9 | 4 38 | 17 31 | 20 5 | 20 19 | 4 11 | 16 20 | 3 51 | F 15 |
| S 16 | 1 51 | 17 59 | 5 2 | 0 47 | 1 16 | 9 28 | 0 29 | 25 5 | 3 6 | 1 23 | 0 58 | 13 37 | 2 12 | 5 58 | 0 50 | 21 44 | 1 9 | 4 39 | 17 31 | 20 3 | 20 18 | 4 8 | 16 20 | 3 51 | S 16 |
| S 17 | 1 27 | 12 30 | 4 59 | 0n 6 | 1 9 | 9 57 | 0 26 | 25 2 | 3 4 | 1 17 | 0 59 | 13 39 | 2 12 | 5 59 | 0 50 | 21 44 | 1 9 | 4 40 | 17 31 | 20 1 | 20 17 | 4 5 | 16 21 | 3 51 | S 17 |
| M18 | 1 4 | 6 10 | 4 34 | 0 59 | 1 0 | 10 26 | 0 23 | 24 58 | 3 3 | 1 12 | 0 59 | 13 41 | 2 12 | 6 0 | 0 50 | 21 44 | 1 9 | 4 41 | 17 32 | 19 59 | 20 17 | 4 2 | 16 21 | 3 51 | M18 |
| T 19 | 0 40 | 0n32 | 3 50 | 1 52 | 0 51 | 10 54 | 0 20 | 24 54 | 3 1 | 1 6 | 0 59 | 13 43 | 2 12 | 6 1 | 0 50 | 21 44 | 1 9 | 4 41 | 17 32 | 19 57 | 20 16 | 3 59 | 16 22 | 3 51 | T 19 |
| W20 | 0 16 | 7 9 | 2 50 | 2 46 | 0 42 | 11 23 | 0 17 | 24 51 | 3 0 | 1 0 | 0 59 | 13 45 | 2 12 | 6 2 | 0 50 | 21 44 | 1 9 | 4 42 | 17 32 | 19 55 | 20 15 | 3 56 | 16 23 | 3 51 | W20 |
| T 21 | 0n 8 | 13 15 | 1 40 | 3 40 | 0 32 | 11 51 | 0 14 | 24 47 | 2 58 | 0 55 | 0 59 | 13 47 | 2 12 | 6 3 | 0 50 | 21 44 | 1 9 | 4 43 | 17 33 | 19 55 | 20 15 | 3 53 | 16 23 | 3 51 | T 21 |
| F 22 | 0 32 | 18 27 | 0 25 | 4 34 | 0 21 | 12 18 | 0 11 | 24 43 | 2 57 | 0 49 | 0 59 | 13 49 | 2 11 | 6 4 | 0 50 | 21 44 | 1 9 | 4 44 | 17 33 | 19 54 | 20 14 | 3 50 | 16 24 | 3 51 | F 22 |
| S 23 | 0 55 | 22 27 | 0n50 | 5 28 | 0 10 | 12 46 | 0 8 | 24 39 | 2 55 | 0 43 | 0 59 | 13 51 | 2 11 | 6 5 | 0 50 | 21 44 | 1 9 | 4 44 | 17 33 | 19 54 | 20 14 | 3 47 | 16 24 | 3 50 | S 23 |
| S 24 | 1 19 | 25 4 | 1 59 | 6 21 | 0n 1 | 13 13 | 0 5 | 24 34 | 2 54 | 0 37 | 0 59 | 13 53 | 2 11 | 6 6 | 0 50 | 21 44 | 1 9 | 4 45 | 17 34 | 19 55 | 20 13 | 3 44 | 16 25 | 3 50 | S 24 |
| M25 | 1 43 | 26 13 | 3 0 | 7 14 | 0 13 | 13 40 | 0 2 | 24 30 | 2 52 | 0 32 | 0 59 | 13 55 | 2 11 | 6 7 | 0 50 | 21 43 | 1 9 | 4 46 | 17 34 | 19 55 | 20 12 | 3 41 | 16 26 | 3 50 | M25 |
| T 26 | 2 7 | 25 55 | 3 50 | 8 5 | 0 25 | 14 7 | 0n 1 | 24 26 | 2 51 | 0 26 | 0 59 | 13 57 | 2 11 | 6 8 | 0 50 | 21 43 | 1 9 | 4 47 | 17 34 | 19 54 | 20 12 | 3 37 | 16 26 | 3 50 | T 26 |
| W27 | 2 30 | 24 19 | 4 29 | 8 56 | 0 38 | 14 33 | 0 4 | 24 21 | 2 49 | 0 20 | 0 59 | 14 0 | 2 10 | 6 9 | 0 50 | 21 43 | 1 9 | 4 47 | 17 35 | 19 54 | 20 11 | 3 34 | 16 27 | 3 50 | W27 |
| T 28 | 2 54 | 21 37 | 4 54 | 9 45 | 0 51 | 14 59 | 0 7 | 24 17 | 2 48 | 0 15 | 0 59 | 14 2 | 2 10 | 6 10 | 0 50 | 21 43 | 1 9 | 4 48 | 17 35 | 19 53 | 20 10 | 3 31 | 16 28 | 3 50 | T 28 |
| F 29 | 3 17 | 18 0 | 5 5 | 10 32 | 1 3 | 15 24 | 0 11 | 24 12 | 2 46 | 0 9 | 0 59 | 14 4 | 2 10 | 6 11 | 0 50 | 21 43 | 1 9 | 4 49 | 17 35 | 19 51 | 20 10 | 3 28 | 16 28 | 3 50 | F 29 |
| S 30 | 3 41 | 13 43 | 5 3 | 11 18 | 1 16 | 15 49 | 0 14 | 24 8 | 2 45 | 0 3 | 0 59 | 14 6 | 2 10 | 6 12 | 0 50 | 21 43 | 1 9 | 4 49 | 17 35 | 19 49 | 20 9 | 3 25 | 16 29 | 3 50 | S 30 |
| S 31 | 4n 4 | 8n55 | 4n48 | 12n 1 | 1n29 | 16n14 | 0n17 | 24n 3 | 2n43 | 0n 2 | 0s59 | 14n 8 | 2s10 | 6n12 | 0n50 | 21s43 | 1n 9 | 4n50 | 17n36 | 19n47 | 20n 8 | 3n22 | 16n30 | 3s50 | S 31 |

Julian Day Number = 2806254.5, Delta T = 51m47s
Ecliptic obliquity = 23°18'53, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°20'05, Lahiri = 37°27'05


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# ASTRODIENST EPHEMERIS for the year 2971
# geocentric

## APRIL 2971 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 38 13 | 11♈19'21 | 0♎26 | 29♈11 | 15♉14 | 23♋23 | 2♈38 | 14♉56 | 16°R 5 | 10♑55 | 0°R47 | 28°R37 | 0♊23 | 1♎49 | 1♊ 0 | M 1 |
| T 2 | 12 42 10 | 12°19'05 | 12°17 | 0♉28 | 16°26 | 23°44 | 2°52 | 15° 3 | 16♍ 3 | 10°56 | 0♏46 | 28♉29 | 0°20 | 1°55 | 1° 3 | T 2 |
| W 3 | 12 46 7 | 13°18'48 | 24°10 | 1°38 | 17°39 | 24° 5 | 3° 6 | 15°10 | 16° 1 | 10°56 | 0°44 | 28°22 | 0°17 | 2° 2 | 1° 6 | W 3 |
| T 4 | 12 50 3 | 14°18'28 | 6♏ 6 | 2°42 | 18°51 | 24°26 | 3°21 | 15°17 | 15°59 | 10°56 | 0°42 | 28°17 | 0°14 | 2° 9 | 1° 9 | T 4 |
| F 5 | 12 54 0 | 15°18'07 | 18° 7 | 3°39 | 20° 3 | 24°48 | 3°35 | 15°24 | 15°56 | 10°57 | 0°41 | 28°15 | 0°11 | 2°16 | 1°12 | F 5 |
| S 6 | 12 57 56 | 16°17'44 | 0♐15 | 4°29 | 21°15 | 25°10 | 3°50 | 15°31 | 15°54 | 10°57 | 0°39 | 28°D14 | 0° 8 | 2°22 | 1°15 | S 6 |
| S 7 | 13 1 53 | 17°17'19 | 12°34 | 5°12 | 22°27 | 25°33 | 4° 4 | 15°38 | 15°52 | 10°57 | 0°38 | 28°15 | 0° 4 | 2°29 | 1°18 | S 7 |
| M 8 | 13 5 49 | 18°16'52 | 25° 7 | 5°46 | 23°39 | 25°56 | 4°18 | 15°45 | 15°50 | 10°57 | 0°36 | 28°17 | 0° 1 | 2°36 | 1°21 | M 8 |
| T 9 | 13 9 46 | 19°16'24 | 7♑59 | 6°13 | 24°51 | 26°19 | 4°32 | 15°52 | 15°48 | 10°57 | 0°34 | 28°18 | 29♉58 | 2°42 | 1°25 | T 9 |
| W10 | 13 13 42 | 20°15'54 | 21°11 | 6°33 | 26° 2 | 26°42 | 4°47 | 15°59 | 15°46 | 10°57 | 0°33 | 28°R19 | 29°55 | 2°49 | 1°28 | W10 |
| T 11 | 13 17 39 | 21°15'22 | 4♒48 | 6°44 | 27°14 | 27° 6 | 5° 1 | 16° 6 | 15°44 | 10°57 | 0°31 | 28°18 | 29°52 | 2°56 | 1°31 | T 11 |
| F 12 | 13 21 36 | 22°14'49 | 18°51 | 6°R48 | 28°25 | 27°29 | 5°15 | 16°13 | 15°42 | 10°R57 | 0°29 | 28°15 | 29°48 | 3° 2 | 1°35 | F 12 |
| S 13 | 13 25 32 | 23°14'14 | 3♓20 | 6°44 | 29°37 | 27°54 | 5°29 | 16°21 | 15°40 | 10°57 | 0°28 | 28°11 | 29°45 | 3° 9 | 1°38 | S 13 |
| S 14 | 13 29 29 | 24°13'37 | 18°10 | 6°33 | 0♊48 | 28°18 | 5°44 | 16°28 | 15°38 | 10°57 | 0°26 | 28° 7 | 29°42 | 3°16 | 1°42 | S 14 |
| M15 | 13 33 25 | 25°12'58 | 3♈15 | 6°16 | 2° 0 | 28°43 | 5°58 | 16°35 | 15°36 | 10°57 | 0°24 | 28° 2 | 29°39 | 3°23 | 1°45 | M15 |
| T 16 | 13 37 22 | 26°12'18 | 18°26 | 5°52 | 3°11 | 29° 7 | 6°12 | 16°42 | 15°34 | 10°57 | 0°23 | 27°57 | 29°36 | 3°29 | 1°49 | T 16 |
| W17 | 13 41 18 | 27°11'35 | 3♉33 | 5°22 | 4°22 | 29°33 | 6°26 | 16°50 | 15°33 | 10°57 | 0°21 | 27°54 | 29°33 | 3°36 | 1°52 | W17 |
| T 18 | 13 45 15 | 28°10'50 | 18°26 | 4°47 | 5°33 | 29°58 | 6°40 | 16°57 | 15°31 | 10°57 | 0°19 | 27°52 | 29°29 | 3°43 | 1°56 | T 18 |
| F 19 | 13 49 11 | 29°10'04 | 2♊59 | 4° 8 | 6°44 | 0♌24 | 6°54 | 17° 5 | 15°29 | 10°57 | 0°18 | 27°D52 | 29°26 | 3°49 | 1°59 | F 19 |
| S 20 | 13 53 8 | 0♉ 9'15 | 17° 6 | 3°25 | 7°55 | 0°49 | 7° 8 | 17°12 | 15°28 | 10°56 | 0°16 | 27°53 | 29°23 | 3°56 | 2° 3 | S 20 |
| S 21 | 13 57 4 | 1° 8'24 | 0♋45 | 2°40 | 9° 5 | 1°15 | 7°22 | 17°19 | 15°26 | 10°56 | 0°14 | 27°55 | 29°20 | 4° 3 | 2° 7 | S 21 |
| M22 | 14 1 1 | 2° 7'31 | 13°58 | 1°54 | 10°16 | 1°42 | 7°36 | 17°27 | 15°24 | 10°56 | 0°13 | 27°56 | 29°17 | 4° 9 | 2°10 | M22 |
| T 23 | 14 4 58 | 3° 6'36 | 26°48 | 1° 6 | 11°26 | 2° 8 | 7°50 | 17°34 | 15°23 | 10°56 | 0°11 | 27°57 | 29°14 | 4°16 | 2°14 | T 23 |
| W24 | 14 8 54 | 4° 5'38 | 9♌17 | 0°19 | 12°37 | 2°35 | 8° 3 | 17°42 | 15°21 | 10°55 | 0° 9 | 27°R57 | 29°10 | 4°23 | 2°18 | W24 |
| T 25 | 14 12 51 | 5° 4'38 | 21°30 | 29♈33 | 13°47 | 3° 2 | 8°17 | 17°49 | 15°20 | 10°55 | 0° 8 | 27°56 | 29° 7 | 4°30 | 2°22 | T 25 |
| F 26 | 14 16 47 | 6° 3'36 | 3♍32 | 28°49 | 14°57 | 3°29 | 8°31 | 17°57 | 15°19 | 10°54 | 0° 6 | 27°54 | 29° 4 | 4°36 | 2°25 | F 26 |
| S 27 | 14 20 44 | 7° 2'31 | 15°27 | 28° 8 | 16° 7 | 3°56 | 8°44 | 18° 4 | 15°17 | 10°54 | 0° 4 | 27°51 | 29° 1 | 4°43 | 2°29 | S 27 |
| S 28 | 14 24 40 | 8° 1'25 | 27°18 | 27°30 | 17°17 | 4°23 | 8°58 | 18°12 | 15°16 | 10°53 | 0° 2 | 27°48 | 28°58 | 4°50 | 2°33 | S 28 |
| M29 | 14 28 37 | 9° 0'16 | 9♎ 8 | 26°55 | 18°27 | 4°51 | 9°12 | 18°19 | 15°15 | 10°53 | 0° 1 | 27°45 | 28°54 | 4°56 | 2°37 | M29 |
| T 30 | 14 32 33 | 9♉59'05 | 21♎ 1 | 26♈25 | 19♊37 | 5♌19 | 9♈25 | 18♉27 | 15♍13 | 10♑52 | 29♎59 | 27♉42 | 28♉51 | 5♎ 3 | 2♊41 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 4n27 | 3n49 | 4n21 | 12n43 | 1n42 | 16n39 | 0n20 | 23n58 | 2n42 | 0n 8 | 0s59 | 14n10 | 2s10 | 6n13 | 0n50 | 21s43 | 1n 9 | 4n51 | 17n36 | 19n45 | 20n 8 | 3n19 | 16n30 | 3s49 |
| T 2 | 4 51 | 1s25 | 3 42 | 13 21 | 1 54 | 17 3 | 0 23 | 23 53 | 2 41 | 0 14 | 0 59 | 14 12 | 2 10 | 6 14 | 0 50 | 21 43 | 1 9 | 4 52 | 17 36 | 19 43 | 20 7 | 3 16 | 16 31 | 3 49 |
| W 3 | 5 14 | 6 38 | 2 53 | 13 57 | 2 6 | 17 26 | 0 27 | 23 48 | 2 39 | 0 19 | 0 59 | 14 14 | 2 9 | 6 15 | 0 49 | 21 43 | 1 9 | 4 52 | 17 36 | 19 42 | 20 6 | 3 13 | 16 32 | 3 49 |
| T 4 | 5 37 | 11 39 | 1 57 | 14 30 | 2 17 | 17 49 | 0 30 | 23 43 | 2 38 | 0 25 | 0 59 | 14 16 | 2 9 | 6 16 | 0 49 | 21 43 | 1 9 | 4 53 | 17 36 | 19 41 | 20 6 | 3 10 | 16 33 | 3 49 |
| F 5 | 6 0 | 16 16 | 0 55 | 14 59 | 2 28 | 18 12 | 0 33 | 23 37 | 2 37 | 0 31 | 0 59 | 14 18 | 2 9 | 6 17 | 0 49 | 21 43 | 1 9 | 4 54 | 17 37 | 19 40 | 20 5 | 3 7 | 16 33 | 3 49 |
| S 6 | 6 23 | 20 17 | 0s11 | 15 25 | 2 37 | 18 34 | 0 37 | 23 32 | 2 35 | 0 36 | 0 59 | 14 20 | 2 9 | 6 17 | 0 49 | 21 43 | 1 10 | 4 54 | 17 37 | 19 40 | 20 4 | 3 4 | 16 34 | 3 49 |
| S 7 | 6 45 | 23 28 | 1 17 | 15 48 | 2 47 | 18 56 | 0 40 | 23 27 | 2 34 | 0 42 | 0 59 | 14 23 | 2 9 | 6 18 | 0 49 | 21 43 | 1 10 | 4 55 | 17 37 | 19 40 | 20 4 | 3 1 | 16 35 | 3 49 |
| M 8 | 7 8 | 25 34 | 2 21 | 16 7 | 2 55 | 19 17 | 0 43 | 23 21 | 2 33 | 0 47 | 1 0 | 14 25 | 2 9 | 6 19 | 0 49 | 21 43 | 1 10 | 4 56 | 17 37 | 19 40 | 20 3 | 2 58 | 16 35 | 3 49 |
| T 9 | 7 30 | 26 23 | 3 19 | 16 23 | 3 1 | 19 38 | 0 47 | 23 15 | 2 31 | 0 53 | 1 0 | 14 27 | 2 9 | 6 20 | 0 49 | 21 43 | 1 10 | 4 56 | 17 37 | 19 41 | 20 2 | 2 54 | 16 36 | 3 49 |
| W10 | 7 53 | 25 45 | 4 9 | 16 35 | 3 7 | 19 58 | 0 50 | 23 10 | 2 30 | 0 59 | 1 0 | 14 29 | 2 9 | 6 21 | 0 49 | 21 43 | 1 10 | 4 57 | 17 37 | 19 41 | 20 2 | 2 51 | 16 37 | 3 49 |
| T 11 | 8 15 | 23 35 | 4 46 | 16 42 | 3 12 | 20 18 | 0 53 | 23 4 | 2 29 | 1 4 | 1 0 | 14 31 | 2 8 | 6 21 | 0 49 | 21 42 | 1 10 | 4 58 | 17 37 | 19 41 | 20 1 | 2 48 | 16 38 | 3 49 |
| F 12 | 8 37 | 19 57 | 5 7 | 16 47 | 3 14 | 20 37 | 0 57 | 22 58 | 2 27 | 1 10 | 1 0 | 14 33 | 2 8 | 6 22 | 0 49 | 21 42 | 1 10 | 4 58 | 17 38 | 19 40 | 20 0 | 2 45 | 16 38 | 3 48 |
| S 13 | 8 59 | 15 3 | 5 10 | 16 47 | 3 16 | 20 56 | 1 0 | 22 52 | 2 26 | 1 15 | 1 0 | 14 35 | 2 8 | 6 23 | 0 49 | 21 42 | 1 10 | 4 59 | 17 38 | 19 39 | 20 0 | 2 42 | 16 39 | 3 48 |
| S 14 | 9 21 | 9 9 | 4 53 | 16 43 | 3 16 | 21 14 | 1 3 | 22 45 | 2 25 | 1 21 | 1 0 | 14 38 | 2 8 | 6 24 | 0 49 | 21 42 | 1 10 | 5 0 | 17 38 | 19 38 | 19 59 | 2 39 | 16 40 | 3 48 |
| M15 | 9 42 | 2 37 | 4 15 | 16 35 | 3 14 | 21 32 | 1 6 | 22 39 | 2 24 | 1 26 | 1 0 | 14 40 | 2 8 | 6 24 | 0 49 | 21 42 | 1 10 | 5 0 | 17 38 | 19 37 | 19 58 | 2 36 | 16 41 | 3 48 |
| T 16 | 10 4 | 4n 7 | 3 19 | 16 24 | 3 11 | 21 49 | 1 10 | 22 33 | 2 22 | 1 32 | 1 0 | 14 42 | 2 8 | 6 25 | 0 49 | 21 42 | 1 10 | 5 1 | 17 38 | 19 36 | 19 58 | 2 33 | 16 41 | 3 48 |
| W17 | 10 25 | 10 36 | 2 9 | 16 9 | 3 6 | 22 6 | 1 13 | 22 26 | 2 21 | 1 37 | 1 0 | 14 44 | 2 8 | 6 26 | 0 49 | 21 42 | 1 10 | 5 1 | 17 38 | 19 35 | 19 57 | 2 30 | 16 42 | 3 48 |
| T 18 | 10 46 | 16 24 | 0 51 | 15 51 | 2 59 | 22 22 | 1 16 | 22 20 | 2 20 | 1 43 | 1 0 | 14 46 | 2 8 | 6 26 | 0 49 | 21 42 | 1 10 | 5 2 | 17 38 | 19 35 | 19 56 | 2 27 | 16 43 | 3 48 |
| F 19 | 11 7 | 21 6 | 0n28 | 15 30 | 2 50 | 22 37 | 1 19 | 22 13 | 2 19 | 1 48 | 1 0 | 14 48 | 2 8 | 6 27 | 0 49 | 21 42 | 1 10 | 5 3 | 17 38 | 19 35 | 19 56 | 2 24 | 16 44 | 3 48 |
| S 20 | 11 28 | 24 25 | 1 44 | 15 6 | 2 40 | 22 52 | 1 22 | 22 6 | 2 17 | 1 53 | 1 0 | 14 50 | 2 8 | 6 27 | 0 49 | 21 42 | 1 10 | 5 3 | 17 38 | 19 35 | 19 55 | 2 20 | 16 44 | 3 48 |
| S 21 | 11 49 | 26 9 | 2 51 | 14 40 | 2 29 | 23 6 | 1 26 | 21 59 | 2 16 | 1 59 | 1 1 | 14 53 | 2 7 | 6 28 | 0 49 | 21 42 | 1 10 | 5 4 | 17 38 | 19 36 | 19 54 | 2 17 | 16 45 | 3 48 |
| M22 | 12 9 | 26 20 | 3 47 | 14 12 | 2 16 | 23 20 | 1 29 | 21 52 | 2 15 | 2 4 | 1 1 | 14 55 | 2 7 | 6 29 | 0 49 | 21 42 | 1 10 | 5 4 | 17 38 | 19 36 | 19 53 | 2 14 | 16 46 | 3 48 |
| T 23 | 12 29 | 25 5 | 4 29 | 13 43 | 2 3 | 23 33 | 1 32 | 21 45 | 2 14 | 2 9 | 1 1 | 14 57 | 2 7 | 6 29 | 0 49 | 21 42 | 1 10 | 5 5 | 17 38 | 19 36 | 19 53 | 2 11 | 16 47 | 3 48 |
| W24 | 12 49 | 22 37 | 4 58 | 13 13 | 1 48 | 23 45 | 1 35 | 21 38 | 2 13 | 2 15 | 1 1 | 14 59 | 2 7 | 6 30 | 0 49 | 21 42 | 1 10 | 5 5 | 17 38 | 19 36 | 19 52 | 2 8 | 16 47 | 3 48 |
| T 25 | 13 9 | 19 11 | 5 12 | 12 42 | 1 32 | 23 57 | 1 38 | 21 31 | 2 12 | 2 20 | 1 1 | 15 1 | 2 7 | 6 30 | 0 49 | 21 42 | 1 10 | 5 6 | 17 38 | 19 36 | 19 51 | 2 5 | 16 48 | 3 48 |
| F 26 | 13 28 | 15 1 | 5 13 | 12 11 | 1 16 | 24 8 | 1 41 | 21 23 | 2 10 | 2 25 | 1 1 | 15 3 | 2 7 | 6 31 | 0 49 | 21 42 | 1 10 | 5 6 | 17 38 | 19 35 | 19 51 | 2 2 | 16 49 | 3 48 |
| S 27 | 13 48 | 10 19 | 5 0 | 11 41 | 1 0 | 24 19 | 1 44 | 21 16 | 2 9 | 2 31 | 1 1 | 15 5 | 2 7 | 6 31 | 0 49 | 21 42 | 1 10 | 5 7 | 17 38 | 19 35 | 19 50 | 1 59 | 16 50 | 3 48 |
| S 28 | 14 7 | 5 16 | 4 34 | 11 12 | 0 43 | 24 29 | 1 47 | 21 8 | 2 8 | 2 36 | 1 1 | 15 8 | 2 7 | 6 32 | 0 49 | 21 42 | 1 10 | 5 7 | 17 38 | 19 34 | 19 49 | 1 56 | 16 50 | 3 48 |
| M29 | 14 25 | 0 1 | 3 56 | 10 44 | 0 26 | 24 38 | 1 49 | 21 0 | 2 7 | 2 41 | 1 1 | 15 10 | 2 7 | 6 32 | 0 49 | 21 42 | 1 10 | 5 8 | 17 38 | 19 33 | 19 49 | 1 52 | 16 51 | 3 48 |
| T 30 | 14n44 | 5s15 | 3n 9 | 10n17 | 0n 9 | 24n46 | 1n52 | 20n53 | 2n 6 | 2n46 | 1s 1 | 15n12 | 2s 7 | 6n33 | 0n49 | 21s42 | 1n10 | 5n 8 | 17n38 | 19n33 | 19n48 | 1n49 | 16n52 | 3s48 |

Julian Day Number = 2806285.5, Delta T = 51m48s
Ecliptic obliquity = 23°18'54, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°20'09, Lahiri = 37°27'10


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# ASTRODIENST EPHEMERIS for the year 2971
# geocentric

## MAY 2971 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 36 30 | 10♉57'52 | 2♏59 | 26°R 0 | 20♊46 | 5♌47 | 9♈39 | 18♉35 | 15°R12 | 10°R52 | 29°R58 | 27°R40 | 28♉48 | 5♎10 | 2♊45 | W 1 |
| T 2 | 14 40 27 | 11°56'37 | 15° 3 | 25♈40 | 21°56 | 6°15 | 9°52 | 18°42 | 15♍11 | 10♏51 | 29♎56 | 27♉39 | 28°45 | 5°16 | 2°48 | T 2 |
| F 3 | 14 44 23 | 12°55'20 | 27°15 | 25°24 | 23° 5 | 6°43 | 10° 5 | 18°50 | 15°10 | 10°51 | 29°54 | 27°D38 | 28°42 | 5°23 | 2°52 | F 3 |
| S 4 | 14 48 20 | 13°54'02 | 9♐37 | 25°14 | 24°14 | 7°12 | 10°19 | 18°57 | 15° 9 | 10°50 | 29°53 | 27°39 | 28°39 | 5°30 | 2°56 | S 4 |
| S 5 | 14 52 16 | 14°52'41 | 22°11 | 25°D 9 | 25°23 | 7°40 | 10°32 | 19° 5 | 15° 8 | 10°49 | 29°51 | 27°39 | 28°35 | 5°37 | 3° 0 | S 5 |
| M 6 | 14 56 13 | 15°51'19 | 4♑58 | 25° 9 | 26°32 | 8° 9 | 10°45 | 19°13 | 15° 7 | 10°48 | 29°49 | 27°41 | 28°32 | 5°43 | 3° 4 | M 6 |
| T 7 | 15 0 9 | 16°49'56 | 18° 0 | 25°14 | 27°41 | 8°38 | 10°58 | 19°20 | 15° 6 | 10°48 | 29°48 | 27°42 | 28°29 | 5°50 | 3° 8 | T 7 |
| W 8 | 15 4 6 | 17°48'30 | 1♒18 | 25°24 | 28°50 | 9° 7 | 11°11 | 19°28 | 15° 6 | 10°47 | 29°46 | 27°42 | 28°26 | 5°57 | 3°12 | W 8 |
| T 9 | 15 8 2 | 18°47'04 | 14°55 | 25°39 | 29°58 | 9°36 | 11°24 | 19°35 | 15° 5 | 10°46 | 29°45 | 27°R43 | 28°23 | 6° 3 | 3°16 | T 9 |
| F 10 | 15 11 59 | 19°45'35 | 28°51 | 25°59 | 1♋ 6 | 10° 6 | 11°37 | 19°43 | 15° 4 | 10°45 | 29°43 | 27°43 | 28°19 | 6°10 | 3°20 | F 10 |
| S 11 | 15 15 56 | 20°44'05 | 13♓ 5 | 26°23 | 2°15 | 10°35 | 11°50 | 19°51 | 15° 4 | 10°44 | 29°41 | 27°42 | 28°16 | 6°17 | 3°25 | S 11 |
| S 12 | 15 19 52 | 21°42'33 | 27°35 | 26°51 | 3°23 | 11° 5 | 12° 3 | 19°58 | 15° 3 | 10°43 | 29°40 | 27°42 | 28°13 | 6°23 | 3°29 | S 12 |
| M13 | 15 23 49 | 22°41'00 | 12♈17 | 27°24 | 4°30 | 11°35 | 12°16 | 20° 6 | 15° 2 | 10°43 | 29°38 | 27°41 | 28°10 | 6°30 | 3°33 | M13 |
| T 14 | 15 27 45 | 23°39'25 | 27° 6 | 28° 0 | 5°38 | 12° 5 | 12°28 | 20°14 | 15° 2 | 10°42 | 29°37 | 27°41 | 28° 7 | 6°37 | 3°37 | T 14 |
| W15 | 15 31 42 | 24°37'49 | 11♉54 | 28°41 | 6°46 | 12°35 | 12°41 | 20°21 | 15° 2 | 10°41 | 29°35 | 27°40 | 28° 4 | 6°43 | 3°41 | W15 |
| T 16 | 15 35 38 | 25°36'11 | 26°34 | 29°25 | 7°53 | 13° 5 | 12°53 | 20°29 | 15° 1 | 10°40 | 29°34 | 27°D40 | 28° 0 | 6°50 | 3°45 | T 16 |
| F 17 | 15 39 35 | 26°34'31 | 10♊59 | 0♉13 | 9° 1 | 13°35 | 13° 6 | 20°36 | 15° 1 | 10°39 | 29°32 | 27°40 | 27°57 | 6°57 | 3°49 | F 17 |
| S 18 | 15 43 31 | 27°32'49 | 25° 5 | 1° 4 | 10° 8 | 14° 6 | 13°18 | 20°44 | 15° 1 | 10°38 | 29°31 | 27°R40 | 27°54 | 7° 4 | 3°53 | S 18 |
| S 19 | 15 47 28 | 28°31'06 | 8♋47 | 1°58 | 11°15 | 14°36 | 13°31 | 20°52 | 15° 0 | 10°36 | 29°30 | 27°40 | 27°51 | 7°10 | 3°57 | S 19 |
| M20 | 15 51 25 | 29°29'21 | 22° 5 | 2°55 | 12°21 | 15° 7 | 13°43 | 20°59 | 15° 0 | 10°35 | 29°28 | 27°40 | 27°48 | 7°17 | 4° 2 | M20 |
| T 21 | 15 55 21 | 0♊27'33 | 4♌59 | 3°56 | 13°28 | 15°38 | 13°55 | 21° 7 | 15° 0 | 10°34 | 29°27 | 27°40 | 27°45 | 7°24 | 4° 6 | T 21 |
| W22 | 15 59 18 | 1°25'44 | 17°33 | 4°59 | 14°34 | 16° 9 | 14° 7 | 21°14 | 15° 0 | 10°33 | 29°25 | 27°40 | 27°41 | 7°30 | 4°10 | W22 |
| T 23 | 16 3 14 | 2°23'53 | 29°49 | 6° 5 | 15°40 | 16°40 | 14°19 | 21°22 | 15°D 0 | 10°32 | 29°24 | 27°D39 | 27°38 | 7°37 | 4°14 | T 23 |
| F 24 | 16 7 11 | 3°22'00 | 11♍53 | 7°14 | 16°46 | 17°11 | 14°31 | 21°29 | 15° 0 | 10°31 | 29°23 | 27°40 | 27°35 | 7°44 | 4°18 | F 24 |
| S 25 | 16 11 7 | 4°20'05 | 23°48 | 8°25 | 17°52 | 17°42 | 14°43 | 21°37 | 15° 0 | 10°30 | 29°21 | 27°40 | 27°32 | 7°50 | 4°22 | S 25 |
| S 26 | 16 15 4 | 5°18'08 | 5♎38 | 9°39 | 18°57 | 18°14 | 14°54 | 21°44 | 15° 0 | 10°28 | 29°20 | 27°41 | 27°29 | 7°57 | 4°26 | S 26 |
| M27 | 16 19 0 | 6°16'09 | 17°30 | 10°55 | 20° 3 | 18°45 | 15° 6 | 21°52 | 15° 1 | 10°27 | 29°19 | 27°41 | 27°25 | 8° 4 | 4°31 | M27 |
| T 28 | 16 22 57 | 7°14'09 | 29°25 | 12°14 | 21° 8 | 19°17 | 15°18 | 21°59 | 15° 1 | 10°26 | 29°18 | 27°42 | 27°22 | 8°10 | 4°35 | T 28 |
| W29 | 16 26 54 | 8°12'07 | 11♏29 | 13°35 | 22°13 | 19°48 | 15°29 | 22° 7 | 15° 1 | 10°24 | 29°16 | 27°43 | 27°19 | 8°17 | 4°39 | W29 |
| T 30 | 16 30 50 | 9°10'03 | 23°42 | 14°59 | 23°17 | 20°20 | 15°41 | 22°14 | 15° 2 | 10°23 | 29°15 | 27°R43 | 27°16 | 8°24 | 4°43 | T 30 |
| F 31 | 16 34 47 | 10♊ 7'58 | 6♐ 9 | 16♉24 | 24♋22 | 20♌52 | 15♈52 | 22♉22 | 15♍ 2 | 10♑22 | 29♎14 | 27♉43 | 27♉13 | 8♎31 | 4♊47 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15n 2 | 10s22 | 2n12 | 9n53 | 0s 7 | 24n54 | 1n55 | 20n45 | 2n 5 | 2n51 | 1s 2 | 15n14 | 2s 7 | 6n33 | 0n49 | 21s42 | 1n10 | 5n 9 | 17n38 | 19n32 | 19n47 | 1n46 | 16n53 | 3s48 |
| T 2 | 15 20 | 15 10 | 1 9 | 9 30 | 0 23 | 25 2 | 1 58 | 20 37 | 2 4 | 2 57 | 1 2 | 15 16 | 2 7 | 6 33 | 0 49 | 21 42 | 1 10 | 5 9 | 17 38 | 19 32 | 19 47 | 1 43 | 16 53 | 3 48 |
| F 3 | 15 38 | 19 24 | 0 2 | 9 10 | 0 39 | 25 8 | 2 0 | 20 28 | 2 3 | 3 2 | 1 2 | 15 18 | 2 7 | 6 34 | 0 49 | 21 42 | 1 10 | 5 10 | 17 37 | 19 32 | 19 46 | 1 40 | 16 54 | 3 48 |
| S 4 | 15 56 | 22 52 | 1s 6 | 8 53 | 0 54 | 25 14 | 2 3 | 20 20 | 2 2 | 3 7 | 1 2 | 15 20 | 2 7 | 6 34 | 0 49 | 21 42 | 1 10 | 5 10 | 17 37 | 19 32 | 19 45 | 1 37 | 16 55 | 3 48 |
| S 5 | 16 13 | 25 17 | 2 12 | 8 38 | 1 8 | 25 19 | 2 5 | 20 12 | 2 0 | 3 12 | 1 2 | 15 22 | 2 7 | 6 34 | 0 48 | 21 42 | 1 10 | 5 11 | 17 37 | 19 32 | 19 45 | 1 34 | 16 56 | 3 48 |
| M 6 | 16 30 | 26 25 | 3 12 | 8 25 | 1 22 | 25 24 | 2 8 | 20 3 | 1 59 | 3 17 | 1 2 | 15 24 | 2 6 | 6 35 | 0 48 | 21 42 | 1 10 | 5 11 | 17 37 | 19 32 | 19 44 | 1 31 | 16 56 | 3 48 |
| T 7 | 16 47 | 26 9 | 4 4 | 8 15 | 1 34 | 25 28 | 2 10 | 19 55 | 1 58 | 3 22 | 1 2 | 15 26 | 2 6 | 6 35 | 0 48 | 21 42 | 1 10 | 5 11 | 17 37 | 19 33 | 19 43 | 1 28 | 16 57 | 3 48 |
| W 8 | 17 3 | 24 23 | 4 44 | 8 7 | 1 46 | 25 31 | 2 12 | 19 46 | 1 57 | 3 27 | 1 2 | 15 29 | 2 6 | 6 35 | 0 48 | 21 43 | 1 10 | 5 12 | 17 37 | 19 33 | 19 42 | 1 24 | 16 58 | 3 48 |
| T 9 | 17 19 | 21 12 | 5 9 | 8 2 | 1 58 | 25 34 | 2 15 | 19 37 | 1 56 | 3 32 | 1 3 | 15 31 | 2 6 | 6 35 | 0 48 | 21 43 | 1 10 | 5 12 | 17 37 | 19 33 | 19 42 | 1 21 | 16 58 | 3 48 |
| F 10 | 17 35 | 16 46 | 5 17 | 8 0 | 2 8 | 25 35 | 2 17 | 19 28 | 1 55 | 3 37 | 1 3 | 15 33 | 2 6 | 6 36 | 0 48 | 21 43 | 1 11 | 5 12 | 17 36 | 19 33 | 19 41 | 1 18 | 16 59 | 3 48 |
| S 11 | 17 51 | 11 19 | 5 6 | 7 59 | 2 18 | 25 37 | 2 19 | 19 19 | 1 54 | 3 41 | 1 3 | 15 35 | 2 6 | 6 36 | 0 48 | 21 43 | 1 11 | 5 13 | 17 36 | 19 33 | 19 40 | 1 15 | 17 0 | 3 48 |
| S 12 | 18 6 | 5 10 | 4 35 | 8 1 | 2 26 | 25 37 | 2 21 | 19 10 | 1 53 | 3 46 | 1 3 | 15 37 | 2 6 | 6 36 | 0 48 | 21 43 | 1 11 | 5 13 | 17 36 | 19 33 | 19 40 | 1 12 | 17 1 | 3 48 |
| M13 | 18 21 | 1n22 | 3 46 | 8 5 | 2 34 | 25 37 | 2 23 | 19 1 | 1 52 | 3 51 | 1 3 | 15 39 | 2 6 | 6 36 | 0 48 | 21 43 | 1 11 | 5 13 | 17 36 | 19 32 | 19 39 | 1 9 | 17 1 | 3 48 |
| T 14 | 18 35 | 7 52 | 2 42 | 8 12 | 2 41 | 25 36 | 2 25 | 18 52 | 1 51 | 3 56 | 1 3 | 15 41 | 2 6 | 6 36 | 0 48 | 21 43 | 1 11 | 5 14 | 17 35 | 19 32 | 19 38 | 1 6 | 17 2 | 3 48 |
| W15 | 18 50 | 13 57 | 1 26 | 8 20 | 2 48 | 25 35 | 2 27 | 18 42 | 1 50 | 4 1 | 1 3 | 15 43 | 2 6 | 6 37 | 0 48 | 21 43 | 1 11 | 5 14 | 17 35 | 19 32 | 19 37 | 1 3 | 17 3 | 3 48 |
| T 16 | 19 4 | 19 11 | 0 6 | 8 30 | 2 53 | 25 33 | 2 28 | 18 33 | 1 49 | 4 5 | 1 3 | 15 45 | 2 6 | 6 37 | 0 48 | 21 43 | 1 11 | 5 14 | 17 35 | 19 32 | 19 37 | 0 59 | 17 4 | 3 48 |
| F 17 | 19 17 | 23 11 | 1n13 | 8 42 | 2 58 | 25 30 | 2 30 | 18 23 | 1 48 | 4 10 | 1 4 | 15 47 | 2 6 | 6 37 | 0 48 | 21 43 | 1 11 | 5 14 | 17 35 | 19 32 | 19 36 | 0 56 | 17 4 | 3 48 |
| S 18 | 19 31 | 25 40 | 2 26 | 8 56 | 3 2 | 25 27 | 2 31 | 18 14 | 1 47 | 4 15 | 1 4 | 15 49 | 2 6 | 6 37 | 0 48 | 21 43 | 1 11 | 5 15 | 17 35 | 19 32 | 19 35 | 0 53 | 17 5 | 3 48 |
| S 19 | 19 44 | 26 30 | 3 29 | 9 11 | 3 6 | 25 23 | 2 33 | 18 4 | 1 46 | 4 19 | 1 4 | 15 51 | 2 6 | 6 37 | 0 48 | 21 43 | 1 11 | 5 15 | 17 34 | 19 32 | 19 35 | 0 50 | 17 6 | 3 48 |
| M20 | 19 56 | 25 46 | 4 18 | 9 28 | 3 8 | 25 18 | 2 34 | 17 54 | 1 45 | 4 24 | 1 4 | 15 53 | 2 6 | 6 37 | 0 48 | 21 43 | 1 11 | 5 15 | 17 34 | 19 32 | 19 34 | 0 47 | 17 6 | 3 48 |
| T 21 | 20 8 | 23 39 | 4 53 | 9 47 | 3 10 | 25 13 | 2 35 | 17 44 | 1 44 | 4 28 | 1 4 | 15 55 | 2 6 | 6 37 | 0 48 | 21 43 | 1 11 | 5 15 | 17 34 | 19 32 | 19 33 | 0 44 | 17 7 | 3 48 |
| W22 | 20 20 | 20 27 | 5 12 | 10 6 | 3 11 | 25 7 | 2 36 | 17 34 | 1 43 | 4 33 | 1 4 | 15 57 | 2 6 | 6 37 | 0 48 | 21 43 | 1 11 | 5 15 | 17 33 | 19 32 | 19 33 | 0 41 | 17 8 | 3 48 |
| T 23 | 20 32 | 16 25 | 5 17 | 10 27 | 3 12 | 25 0 | 2 37 | 17 23 | 1 43 | 4 37 | 1 5 | 15 59 | 2 6 | 6 37 | 0 48 | 21 43 | 1 11 | 5 16 | 17 33 | 19 32 | 19 32 | 0 37 | 17 8 | 3 48 |
| F 24 | 20 43 | 11 48 | 5 7 | 10 50 | 3 12 | 24 53 | 2 38 | 17 13 | 1 42 | 4 42 | 1 5 | 16 0 | 2 6 | 6 37 | 0 48 | 21 43 | 1 11 | 5 16 | 17 33 | 19 32 | 19 31 | 0 34 | 17 9 | 3 48 |
| S 25 | 20 54 | 6 49 | 4 45 | 11 13 | 3 11 | 24 46 | 2 39 | 17 3 | 1 41 | 4 46 | 1 5 | 16 2 | 2 6 | 6 37 | 0 48 | 21 44 | 1 11 | 5 16 | 17 32 | 19 32 | 19 30 | 0 31 | 17 10 | 3 48 |
| S 26 | 21 4 | 1 36 | 4 10 | 11 37 | 3 10 | 24 37 | 2 40 | 16 52 | 1 40 | 4 51 | 1 5 | 16 4 | 2 6 | 6 37 | 0 48 | 21 44 | 1 11 | 5 16 | 17 32 | 19 32 | 19 30 | 0 28 | 17 10 | 3 48 |
| M27 | 21 15 | 3s40 | 3 25 | 12 3 | 3 8 | 24 28 | 2 41 | 16 42 | 1 39 | 4 55 | 1 5 | 16 6 | 2 6 | 6 36 | 0 48 | 21 44 | 1 11 | 5 16 | 17 32 | 19 33 | 19 29 | 0 25 | 17 11 | 3 49 |
| T 28 | 21 24 | 8 52 | 2 30 | 12 29 | 3 5 | 24 19 | 2 41 | 16 31 | 1 38 | 4 59 | 1 5 | 16 8 | 2 6 | 6 36 | 0 48 | 21 44 | 1 11 | 5 16 | 17 31 | 19 33 | 19 28 | 0 22 | 17 12 | 3 49 |
| W29 | 21 34 | 13 47 | 1 29 | 12 56 | 3 2 | 24 9 | 2 41 | 16 20 | 1 37 | 5 3 | 1 6 | 16 10 | 2 6 | 6 36 | 0 47 | 21 44 | 1 11 | 5 16 | 17 31 | 19 33 | 19 28 | 0 19 | 17 12 | 3 49 |
| T 30 | 21 43 | 18 15 | 0 22 | 13 24 | 2 58 | 23 58 | 2 42 | 16 9 | 1 36 | 5 8 | 1 6 | 16 12 | 2 6 | 6 36 | 0 47 | 21 44 | 1 11 | 5 16 | 17 31 | 19 33 | 19 27 | 0 15 | 17 13 | 3 49 |
| F 31 | 21n51 | 21s59 | 0s46 | 13n53 | 2s54 | 23n47 | 2n42 | 15n58 | 1n35 | 5n12 | 1s 6 | 16n14 | 2s 6 | 6n36 | 0n47 | 21s44 | 1n11 | 5n16 | 17n30 | 19n33 | 19n26 | 0n12 | 17n14 | 3s49 |

Julian Day Number = 2806315.5, Delta T = 51m48s
Ecliptic obliquity = 23°18'53, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°20'13, Lahiri = 37°27'14


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# ASTRODIENST EPHEMERIS for the year 2971
# geocentric

## JUNE 2971 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 38 43 | 11♊ 5'51 | 18♐48 | 17♉52 | 25♋26 | 21♌24 | 16♈ 3 | 22♉29 | 15♍ 2 | 10°R20 | 29°R13 | 27°R43 | 27♉10 | 8♎37 | 4♊51 | S 1 |
| S 2 | 16 42 40 | 12° 3'43 | 1♑43 | 19°23 | 26°30 | 21°56 | 16°14 | 22°36 | 15° 3 | 10♑19 | 29♎12 | 27♉41 | 27° 6 | 8°44 | 4°55 | S 2 |
| M 3 | 16 46 36 | 13° 1'33 | 14°51 | 20°55 | 27°33 | 22°28 | 16°25 | 22°44 | 15° 4 | 10°18 | 29°11 | 27°39 | 27° 3 | 8°51 | 5° 0 | M 3 |
| T 4 | 16 50 33 | 13°59'23 | 28°14 | 22°30 | 28°36 | 23° 1 | 16°36 | 22°51 | 15° 4 | 10°16 | 29°10 | 27°37 | 27° 0 | 8°57 | 5° 4 | T 4 |
| W 5 | 16 54 30 | 14°57'11 | 11♒49 | 24° 7 | 29°39 | 23°33 | 16°47 | 22°58 | 15° 5 | 10°15 | 29° 8 | 27°35 | 26°57 | 9° 4 | 5° 8 | W 5 |
| T 6 | 16 58 26 | 15°54'58 | 25°37 | 25°46 | 0♌42 | 24° 5 | 16°58 | 23° 5 | 15° 6 | 10°14 | 29° 7 | 27°33 | 26°54 | 9°11 | 5°12 | T 6 |
| F 7 | 17 2 23 | 16°52'44 | 9♓35 | 27°28 | 1°45 | 24°38 | 17° 8 | 23°13 | 15° 6 | 10°12 | 29° 6 | 27°32 | 26°51 | 9°17 | 5°16 | F 7 |
| S 8 | 17 6 19 | 17°50'29 | 23°43 | 29°12 | 2°47 | 25°10 | 17°19 | 23°20 | 15° 7 | 10°11 | 29° 5 | 27°D32 | 26°47 | 9°24 | 5°20 | S 8 |
| S 9 | 17 10 16 | 18°48'12 | 7♈59 | 0♊57 | 3°49 | 25°43 | 17°29 | 23°27 | 15° 8 | 10° 9 | 29° 5 | 27°33 | 26°44 | 9°31 | 5°24 | S 9 |
| M10 | 17 14 12 | 19°45'55 | 22°20 | 2°46 | 4°50 | 26°16 | 17°39 | 23°34 | 15° 9 | 10° 8 | 29° 4 | 27°34 | 26°41 | 9°37 | 5°28 | M10 |
| T 11 | 17 18 9 | 20°43'37 | 6♉42 | 4°36 | 5°51 | 26°49 | 17°49 | 23°41 | 15°10 | 10° 6 | 29° 3 | 27°36 | 26°38 | 9°44 | 5°32 | T 11 |
| W12 | 17 22 5 | 21°41'18 | 21° 4 | 6°28 | 6°52 | 27°22 | 17°59 | 23°48 | 15°11 | 10° 5 | 29° 2 | 27°R37 | 26°35 | 9°51 | 5°36 | W12 |
| T 13 | 17 26 2 | 22°38'58 | 5♊19 | 8°23 | 7°53 | 27°55 | 18° 9 | 23°55 | 15°12 | 10° 3 | 29° 1 | 27°37 | 26°31 | 9°57 | 5°40 | T 13 |
| F 14 | 17 29 59 | 23°36'37 | 19°25 | 10°20 | 8°53 | 28°28 | 18°19 | 24° 2 | 15°14 | 10° 2 | 29° 0 | 27°35 | 26°28 | 10° 4 | 5°44 | F 14 |
| S 15 | 17 33 55 | 24°34'15 | 3♋16 | 12°18 | 9°53 | 29° 1 | 18°29 | 24° 9 | 15°15 | 10° 0 | 28°59 | 27°33 | 26°25 | 10°11 | 5°48 | S 15 |
| S 16 | 17 37 52 | 25°31'52 | 16°49 | 14°19 | 10°52 | 29°34 | 18°39 | 24°16 | 15°16 | 9°59 | 28°59 | 27°29 | 26°22 | 10°18 | 5°52 | S 16 |
| M17 | 17 41 48 | 26°29'28 | 0♌ 3 | 16°22 | 11°51 | 0♍ 8 | 18°48 | 24°23 | 15°17 | 9°57 | 28°58 | 27°24 | 26°19 | 10°24 | 5°56 | M17 |
| T 18 | 17 45 45 | 27°27'02 | 12°56 | 18°27 | 12°50 | 0°41 | 18°57 | 24°30 | 15°19 | 9°55 | 28°57 | 27°20 | 26°16 | 10°31 | 6° 0 | T 18 |
| W19 | 17 49 41 | 28°24'35 | 25°31 | 20°33 | 13°48 | 1°15 | 19° 7 | 24°37 | 15°20 | 9°54 | 28°57 | 27°16 | 26°12 | 10°38 | 6° 4 | W19 |
| T 20 | 17 53 38 | 29°22'07 | 7♍48 | 22°41 | 14°46 | 1°48 | 19°16 | 24°44 | 15°22 | 9°52 | 28°56 | 27°12 | 26° 9 | 10°44 | 6° 8 | T 20 |
| F 21 | 17 57 34 | 0♋19'38 | 19°53 | 24°50 | 15°43 | 2°22 | 19°25 | 24°50 | 15°23 | 9°51 | 28°55 | 27°10 | 26° 6 | 10°51 | 6°12 | F 21 |
| S 22 | 18 1 31 | 1°17'07 | 1♎48 | 27° 0 | 16°40 | 2°56 | 19°33 | 24°57 | 15°25 | 9°49 | 28°55 | 27°D10 | 26° 3 | 10°58 | 6°16 | S 22 |
| S 23 | 18 5 28 | 2°14'35 | 13°39 | 29°11 | 17°37 | 3°30 | 19°42 | 25° 4 | 15°26 | 9°47 | 28°54 | 27°10 | 26° 0 | 11° 4 | 6°20 | S 23 |
| M24 | 18 9 24 | 3°12'02 | 25°31 | 1♋23 | 18°33 | 4° 4 | 19°51 | 25°10 | 15°28 | 9°46 | 28°54 | 27°12 | 25°57 | 11°11 | 6°24 | M24 |
| T 25 | 18 13 21 | 4° 9'28 | 7♏29 | 3°35 | 19°28 | 4°37 | 19°59 | 25°17 | 15°30 | 9°44 | 28°53 | 27°14 | 25°53 | 11°18 | 6°28 | T 25 |
| W26 | 18 17 17 | 5° 6'53 | 19°36 | 5°47 | 20°23 | 5°11 | 20° 7 | 25°23 | 15°31 | 9°43 | 28°53 | 27°15 | 25°50 | 11°24 | 6°31 | W26 |
| T 27 | 18 21 14 | 6° 4'17 | 1♐58 | 7°59 | 21°17 | 5°46 | 20°16 | 25°30 | 15°33 | 9°41 | 28°52 | 27°R15 | 25°47 | 11°31 | 6°35 | T 27 |
| F 28 | 18 25 10 | 7° 1'40 | 14°36 | 10°11 | 22°11 | 6°20 | 20°24 | 25°36 | 15°35 | 9°39 | 28°52 | 27°13 | 25°44 | 11°38 | 6°39 | F 28 |
| S 29 | 18 29 7 | 7°59'02 | 27°33 | 12°22 | 23° 4 | 6°54 | 20°32 | 25°42 | 15°37 | 9°38 | 28°52 | 27°10 | 25°41 | 11°44 | 6°43 | S 29 |
| S 30 | 18 33 3 | 8♋56'24 | 10♑49 | 14♋32 | 23♌57 | 7♍28 | 20♈39 | 25♉49 | 15♍39 | 9♑36 | 28♎51 | 27♉ 5 | 25♉37 | 11♎51 | 6♊46 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21n59 | 24s44 | 1s54 | 14n22 | 2s49 | 23n36 | 2n42 | 15n47 | 1n34 | 5n16 | 1s 6 | 16n15 | 2s 6 | 6n36 | 0n47 | 21s44 | 1n11 | 5n16 | 17n30 | 19n33 | 19n25 | 0n 9 | 17n14 | 3s49 |
| S 2 | 22 7 | 26 15 | 2 57 | 14 52 | 2 43 | 23 23 | 2 42 | 15 36 | 1 33 | 5 20 | 1 6 | 16 17 | 2 6 | 6 35 | 0 47 | 21 44 | 1 11 | 5 16 | 17 30 | 19 32 | 19 25 | 0 6 | 17 15 | 3 49 |
| M 3 | 22 15 | 26 20 | 3 52 | 15 22 | 2 37 | 23 11 | 2 41 | 15 25 | 1 33 | 5 24 | 1 6 | 16 19 | 2 7 | 6 35 | 0 47 | 21 44 | 1 11 | 5 16 | 17 29 | 19 32 | 19 24 | 0 3 | 17 16 | 3 49 |
| T 4 | 22 22 | 24 54 | 4 35 | 15 52 | 2 31 | 22 57 | 2 41 | 15 13 | 1 32 | 5 28 | 1 7 | 16 21 | 2 7 | 6 35 | 0 47 | 21 44 | 1 11 | 5 16 | 17 29 | 19 32 | 19 23 | 0s 0 | 17 16 | 3 49 |
| W 5 | 22 28 | 22 1 | 5 4 | 16 23 | 2 24 | 22 44 | 2 40 | 15 2 | 1 31 | 5 32 | 1 7 | 16 23 | 2 7 | 6 34 | 0 47 | 21 45 | 1 11 | 5 16 | 17 28 | 19 31 | 19 22 | 0 4 | 17 17 | 3 49 |
| T 6 | 22 34 | 17 51 | 5 15 | 16 53 | 2 17 | 22 30 | 2 40 | 14 50 | 1 30 | 5 36 | 1 7 | 16 24 | 2 7 | 6 34 | 0 47 | 21 45 | 1 11 | 5 16 | 17 28 | 19 31 | 19 22 | 0 7 | 17 17 | 3 49 |
| F 7 | 22 40 | 12 42 | 5 8 | 17 24 | 2 9 | 22 15 | 2 39 | 14 39 | 1 29 | 5 40 | 1 7 | 16 26 | 2 7 | 6 34 | 0 47 | 21 45 | 1 11 | 5 16 | 17 28 | 19 31 | 19 21 | 0 10 | 17 18 | 3 50 |
| S 8 | 22 46 | 6 49 | 4 43 | 17 55 | 2 0 | 22 0 | 2 38 | 14 27 | 1 28 | 5 43 | 1 7 | 16 28 | 2 7 | 6 33 | 0 47 | 21 45 | 1 11 | 5 16 | 17 27 | 19 31 | 19 20 | 0 13 | 17 19 | 3 50 |
| S 9 | 22 51 | 0 32 | 4 0 | 18 25 | 1 52 | 21 44 | 2 37 | 14 15 | 1 27 | 5 47 | 1 8 | 16 29 | 2 7 | 6 33 | 0 47 | 21 45 | 1 11 | 5 16 | 17 27 | 19 31 | 19 20 | 0 16 | 17 19 | 3 50 |
| M10 | 22 55 | 5n49 | 3 2 | 18 56 | 1 43 | 21 29 | 2 36 | 14 3 | 1 26 | 5 51 | 1 8 | 16 31 | 2 7 | 6 33 | 0 47 | 21 45 | 1 11 | 5 16 | 17 26 | 19 31 | 19 19 | 0 19 | 17 20 | 3 50 |
| T 11 | 23 0 | 11 55 | 1 53 | 19 25 | 1 33 | 21 12 | 2 34 | 13 51 | 1 26 | 5 55 | 1 8 | 16 33 | 2 7 | 6 32 | 0 47 | 21 45 | 1 11 | 5 16 | 17 26 | 19 31 | 19 18 | 0 22 | 17 20 | 3 50 |
| W12 | 23 3 | 17 21 | 0 36 | 19 54 | 1 23 | 20 55 | 2 33 | 13 39 | 1 25 | 5 58 | 1 8 | 16 34 | 2 7 | 6 32 | 0 47 | 21 45 | 1 11 | 5 16 | 17 25 | 19 31 | 19 17 | 0 26 | 17 21 | 3 50 |
| T 13 | 23 7 | 21 46 | 0n42 | 20 23 | 1 13 | 20 38 | 2 31 | 13 27 | 1 24 | 6 2 | 1 8 | 16 36 | 2 7 | 6 31 | 0 47 | 21 45 | 1 11 | 5 16 | 17 25 | 19 31 | 19 17 | 0 29 | 17 21 | 3 50 |
| F 14 | 23 10 | 24 50 | 1 57 | 20 51 | 1 3 | 20 21 | 2 29 | 13 15 | 1 23 | 6 5 | 1 9 | 16 38 | 2 7 | 6 31 | 0 47 | 21 45 | 1 11 | 5 15 | 17 24 | 19 31 | 19 16 | 0 32 | 17 22 | 3 51 |
| S 15 | 23 12 | 26 20 | 3 3 | 21 17 | 0 52 | 20 3 | 2 27 | 13 2 | 1 22 | 6 9 | 1 9 | 16 39 | 2 7 | 6 30 | 0 47 | 21 46 | 1 11 | 5 15 | 17 24 | 19 31 | 19 15 | 0 35 | 17 23 | 3 51 |
| S 16 | 23 14 | 26 12 | 3 58 | 21 42 | 0 42 | 19 45 | 2 25 | 12 50 | 1 21 | 6 12 | 1 9 | 16 41 | 2 7 | 6 30 | 0 47 | 21 46 | 1 11 | 5 15 | 17 23 | 19 30 | 19 14 | 0 38 | 17 23 | 3 51 |
| M17 | 23 16 | 24 33 | 4 38 | 22 6 | 0 31 | 19 26 | 2 23 | 12 38 | 1 21 | 6 16 | 1 9 | 16 43 | 2 7 | 6 29 | 0 47 | 21 46 | 1 11 | 5 15 | 17 23 | 19 29 | 19 14 | 0 41 | 17 24 | 3 51 |
| T 18 | 23 17 | 21 41 | 5 3 | 22 29 | 0 20 | 19 7 | 2 20 | 12 25 | 1 20 | 6 19 | 1 9 | 16 44 | 2 7 | 6 29 | 0 47 | 21 46 | 1 11 | 5 15 | 17 23 | 19 28 | 19 13 | 0 45 | 17 24 | 3 51 |
| W19 | 23 18 | 17 51 | 5 12 | 22 50 | 0 9 | 18 48 | 2 18 | 12 12 | 1 19 | 6 22 | 1 10 | 16 46 | 2 8 | 6 28 | 0 47 | 21 46 | 1 11 | 5 14 | 17 22 | 19 27 | 19 12 | 0 48 | 17 25 | 3 51 |
| T 20 | 23 19 | 13 21 | 5 7 | 23 8 | 0n 1 | 18 28 | 2 15 | 12 0 | 1 18 | 6 25 | 1 10 | 16 47 | 2 8 | 6 27 | 0 47 | 21 46 | 1 11 | 5 14 | 17 22 | 19 26 | 19 11 | 0 51 | 17 25 | 3 51 |
| F 21 | 23 19 | 8 25 | 4 48 | 23 25 | 0 12 | 18 8 | 2 12 | 11 47 | 1 17 | 6 29 | 1 10 | 16 49 | 2 8 | 6 27 | 0 47 | 21 46 | 1 11 | 5 14 | 17 21 | 19 26 | 19 11 | 0 54 | 17 26 | 3 52 |
| S 22 | 23 19 | 3 14 | 4 17 | 23 39 | 0 23 | 17 48 | 2 9 | 11 34 | 1 17 | 6 32 | 1 10 | 16 50 | 2 8 | 6 26 | 0 46 | 21 46 | 1 11 | 5 14 | 17 21 | 19 25 | 19 10 | 0 57 | 17 26 | 3 52 |
| S 23 | 23 18 | 2s 3 | 3 35 | 23 51 | 0 33 | 17 28 | 2 6 | 11 21 | 1 16 | 6 35 | 1 10 | 16 52 | 2 8 | 6 25 | 0 46 | 21 46 | 1 11 | 5 13 | 17 20 | 19 26 | 19 9 | 1 0 | 17 27 | 3 52 |
| M24 | 23 17 | 7 16 | 2 44 | 24 1 | 0 42 | 17 8 | 2 2 | 11 8 | 1 15 | 6 38 | 1 11 | 16 53 | 2 8 | 6 25 | 0 46 | 21 47 | 1 11 | 5 13 | 17 20 | 19 26 | 19 8 | 1 4 | 17 27 | 3 52 |
| T 25 | 23 15 | 12 16 | 1 46 | 24 8 | 0 52 | 16 47 | 1 58 | 10 55 | 1 14 | 6 41 | 1 11 | 16 55 | 2 8 | 6 24 | 0 46 | 21 47 | 1 11 | 5 13 | 17 19 | 19 26 | 19 8 | 1 7 | 17 27 | 3 52 |
| W26 | 23 13 | 16 53 | 0 42 | 24 12 | 1 1 | 16 26 | 1 55 | 10 42 | 1 13 | 6 44 | 1 11 | 16 56 | 2 8 | 6 23 | 0 46 | 21 47 | 1 11 | 5 12 | 17 19 | 19 27 | 19 7 | 1 10 | 17 28 | 3 52 |
| T 27 | 23 11 | 20 52 | 0s26 | 24 13 | 1 9 | 16 5 | 1 50 | 10 29 | 1 13 | 6 46 | 1 11 | 16 57 | 2 8 | 6 23 | 0 46 | 21 47 | 1 11 | 5 12 | 17 18 | 19 27 | 19 6 | 1 13 | 17 28 | 3 53 |
| F 28 | 23 8 | 23 58 | 1 33 | 24 12 | 1 17 | 15 43 | 1 46 | 10 15 | 1 12 | 6 49 | 1 12 | 16 59 | 2 8 | 6 22 | 0 46 | 21 47 | 1 11 | 5 12 | 17 17 | 19 26 | 19 5 | 1 16 | 17 29 | 3 53 |
| S 29 | 23 5 | 25 54 | 2 37 | 24 8 | 1 24 | 15 22 | 1 42 | 10 2 | 1 11 | 6 52 | 1 12 | 17 0 | 2 9 | 6 21 | 0 46 | 21 47 | 1 11 | 5 11 | 17 17 | 19 25 | 19 5 | 1 19 | 17 29 | 3 53 |
| S 30 | 23n 1 | 26s26 | 3s34 | 24n 1 | 1n30 | 15n 0 | 1n37 | 9n49 | 1n10 | 6n55 | 1s12 | 17n 2 | 2s 9 | 6n20 | 0n46 | 21s47 | 1n11 | 5n11 | 17n16 | 19n24 | 19n 4 | 1s23 | 17n30 | 3s53 |

Julian Day Number = 2806346.5, Delta T = 51m49s
Ecliptic obliquity = 23°18'53, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°20'18, Lahiri = 37°27'18


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# ASTRODIENST EPHEMERIS for the year 2971
# geocentric

## JULY 2971 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 37 0 | 9♋53'45 | 24♑23 | 16♋41 | 24♌49 | 8♍ 3 | 20♈47 | 25♉55 | 15♍41 | 9°R35 | 28°R51 | 26°R59 | 25♉34 | 11♎58 | 6♊50 | M 1 |
| T 2 | 18 40 57 | 10°51'05 | 8♒12 | 18°48 | 25°40 | 8°37 | 20°54 | 26° 1 | 15°43 | 9♑33 | 28♎51 | 26♉52 | 25°31 | 12° 4 | 6°54 | T 2 |
| W 3 | 18 44 53 | 11°48'25 | 22°12 | 20°54 | 26°30 | 9°11 | 21° 2 | 26° 7 | 15°45 | 9°31 | 28°51 | 26°45 | 25°28 | 12°11 | 6°57 | W 3 |
| T 4 | 18 48 50 | 12°45'44 | 6♓20 | 22°58 | 27°20 | 9°46 | 21° 9 | 26°13 | 15°47 | 9°30 | 28°51 | 26°40 | 25°25 | 12°18 | 7° 1 | T 4 |
| F 5 | 18 52 46 | 13°43'03 | 20°32 | 25° 0 | 28° 9 | 10°21 | 21°16 | 26°19 | 15°49 | 9°28 | 28°50 | 26°36 | 25°22 | 12°25 | 7° 4 | F 5 |
| S 6 | 18 56 43 | 14°40'22 | 4♈45 | 27° 1 | 28°58 | 10°55 | 21°23 | 26°25 | 15°52 | 9°26 | 28°50 | 26°33 | 25°18 | 12°31 | 7° 8 | S 6 |
| S 7 | 19 0 39 | 15°37'40 | 18°56 | 28°59 | 29°45 | 11°30 | 21°29 | 26°31 | 15°54 | 9°25 | 28°50 | 26°D33 | 25°15 | 12°38 | 7°11 | S 7 |
| M 8 | 19 4 36 | 16°34'58 | 3♉ 4 | 0♌56 | 0♍32 | 12° 5 | 21°36 | 26°37 | 15°56 | 9°23 | 28°50 | 26°34 | 25°12 | 12°45 | 7°15 | M 8 |
| T 9 | 19 8 33 | 17°32'17 | 17° 7 | 2°50 | 1°18 | 12°40 | 21°42 | 26°43 | 15°58 | 9°22 | 28°D50 | 26°35 | 25° 9 | 12°51 | 7°18 | T 9 |
| W10 | 19 12 29 | 18°29'35 | 1♊ 4 | 4°42 | 2° 3 | 13°15 | 21°49 | 26°48 | 16° 1 | 9°20 | 28°50 | 26°R35 | 25° 6 | 12°58 | 7°22 | W10 |
| T 11 | 19 16 26 | 19°26'53 | 14°53 | 6°32 | 2°48 | 13°50 | 21°55 | 26°54 | 16° 3 | 9°18 | 28°50 | 26°34 | 25° 3 | 13° 5 | 7°25 | T 11 |
| F 12 | 19 20 22 | 20°24'11 | 28°34 | 8°20 | 3°31 | 14°25 | 22° 1 | 27° 0 | 16° 6 | 9°17 | 28°50 | 26°30 | 24°59 | 13°11 | 7°28 | F 12 |
| S 13 | 19 24 19 | 21°21'29 | 12♋ 3 | 10° 6 | 4°13 | 15° 0 | 22° 6 | 27° 5 | 16° 8 | 9°15 | 28°50 | 26°24 | 24°56 | 13°18 | 7°32 | S 13 |
| S 14 | 19 28 15 | 22°18'46 | 25°18 | 11°49 | 4°55 | 15°35 | 22°12 | 27°11 | 16°11 | 9°14 | 28°51 | 26°16 | 24°53 | 13°25 | 7°35 | S 14 |
| M15 | 19 32 12 | 23°16'04 | 8♌19 | 13°30 | 5°35 | 16°10 | 22°18 | 27°16 | 16°13 | 9°12 | 28°51 | 26° 6 | 24°50 | 13°31 | 7°38 | M15 |
| T 16 | 19 36 8 | 24°13'20 | 21° 4 | 15° 9 | 6°14 | 16°45 | 22°23 | 27°21 | 16°16 | 9°11 | 28°51 | 25°56 | 24°47 | 13°38 | 7°41 | T 16 |
| W17 | 19 40 5 | 25°10'37 | 3♍33 | 16°46 | 6°52 | 17°21 | 22°28 | 27°27 | 16°19 | 9° 9 | 28°51 | 25°46 | 24°43 | 13°45 | 7°44 | W17 |
| T 18 | 19 44 2 | 26° 7'53 | 15°47 | 18°20 | 7°29 | 17°56 | 22°33 | 27°32 | 16°21 | 9° 7 | 28°52 | 25°38 | 24°40 | 13°51 | 7°47 | T 18 |
| F 19 | 19 47 58 | 27° 5'09 | 27°49 | 19°52 | 8° 5 | 18°32 | 22°38 | 27°37 | 16°24 | 9° 6 | 28°52 | 25°32 | 24°37 | 13°58 | 7°51 | F 19 |
| S 20 | 19 51 55 | 28° 2'24 | 9♎43 | 21°22 | 8°39 | 19° 7 | 22°42 | 27°42 | 16°27 | 9° 4 | 28°52 | 25°28 | 24°34 | 14° 5 | 7°54 | S 20 |
| S 21 | 19 55 51 | 28°59'39 | 21°33 | 22°50 | 9°13 | 19°43 | 22°46 | 27°47 | 16°30 | 9° 3 | 28°53 | 25°26 | 24°31 | 14°11 | 7°57 | S 21 |
| M22 | 19 59 48 | 29°56'54 | 3♏25 | 24°15 | 9°44 | 20°18 | 22°51 | 27°52 | 16°32 | 9° 1 | 28°53 | 25°D26 | 24°28 | 14°18 | 8° 0 | M22 |
| T 23 | 20 3 44 | 0♌54'09 | 15°22 | 25°38 | 10°15 | 20°54 | 22°55 | 27°56 | 16°35 | 9° 0 | 28°53 | 25°26 | 24°24 | 14°25 | 8° 2 | T 23 |
| W24 | 20 7 41 | 1°51'24 | 27°31 | 26°59 | 10°44 | 21°30 | 22°59 | 28° 1 | 16°38 | 8°59 | 28°54 | 25°R27 | 24°21 | 14°31 | 8° 5 | W24 |
| T 25 | 20 11 37 | 2°48'38 | 9♐56 | 28°17 | 11°11 | 22° 6 | 23° 2 | 28° 6 | 16°41 | 8°57 | 28°55 | 25°26 | 24°18 | 14°38 | 8° 8 | T 25 |
| F 26 | 20 15 34 | 3°45'52 | 22°42 | 29°33 | 11°37 | 22°42 | 23° 6 | 28°10 | 16°44 | 8°56 | 28°55 | 25°23 | 24°15 | 14°45 | 8°11 | F 26 |
| S 27 | 20 19 31 | 4°43'07 | 5♑51 | 0♍46 | 12° 1 | 23°17 | 23° 9 | 28°15 | 16°47 | 8°54 | 28°56 | 25°17 | 24°12 | 14°51 | 8°14 | S 27 |
| S 28 | 20 23 27 | 5°40'21 | 19°24 | 1°56 | 12°23 | 23°53 | 23°12 | 28°19 | 16°50 | 8°53 | 28°56 | 25°10 | 24° 9 | 14°58 | 8°16 | S 28 |
| M29 | 20 27 24 | 6°37'35 | 3♒19 | 3° 4 | 12°44 | 24°29 | 23°15 | 28°24 | 16°53 | 8°51 | 28°57 | 25° 0 | 24° 5 | 15° 5 | 8°19 | M29 |
| T 30 | 20 31 20 | 7°34'50 | 17°33 | 4°10 | 13° 2 | 25° 5 | 23°18 | 28°28 | 16°56 | 8°50 | 28°58 | 24°49 | 24° 2 | 15°12 | 8°22 | T 30 |
| W31 | 20 35 17 | 8♌32'04 | 2♓ 1 | 5♍12 | 13♍19 | 25♍42 | 23♈21 | 28♉32 | 16♍59 | 8♑49 | 28♎58 | 24♉39 | 23♉59 | 15♎18 | 8♊24 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n57 | 25s24 | 4s20 | 23n52 | 1n36 | 14n38 | 1n32 | 9n35 | 1n10 | 6n57 | 1s12 | 17n 3 | 2s 9 | 6n20 | 0n46 | 21s47 | 1n11 | 5n10 | 17n16 | 19n23 | 19n 3 | 1s26 | 17n30 | 3s53 |
| T 2 | 22 52 | 22 49 | 4 52 | 23 40 | 1 41 | 14 16 | 1 27 | 9 22 | 1 9 | 7 0 | 1 13 | 17 4 | 2 9 | 6 19 | 0 46 | 21 48 | 1 11 | 5 10 | 17 15 | 19 21 | 19 2 | 1 29 | 17 30 | 3 54 |
| W 3 | 22 48 | 18 53 | 5 7 | 23 26 | 1 45 | 13 54 | 1 22 | 9 8 | 1 8 | 7 2 | 1 13 | 17 5 | 2 9 | 6 18 | 0 46 | 21 48 | 1 11 | 5 10 | 17 15 | 19 20 | 19 2 | 1 32 | 17 31 | 3 54 |
| T 4 | 22 42 | 13 51 | 5 4 | 23 9 | 1 49 | 13 32 | 1 17 | 8 54 | 1 7 | 7 5 | 1 13 | 17 7 | 2 9 | 6 17 | 0 46 | 21 48 | 1 11 | 5 9 | 17 14 | 19 18 | 19 1 | 1 35 | 17 31 | 3 54 |
| F 5 | 22 37 | 8 3 | 4 42 | 22 51 | 1 51 | 13 10 | 1 11 | 8 41 | 1 7 | 7 7 | 1 13 | 17 8 | 2 9 | 6 16 | 0 46 | 21 48 | 1 11 | 5 9 | 17 14 | 19 18 | 19 0 | 1 39 | 17 32 | 3 54 |
| S 6 | 22 31 | 1 50 | 4 3 | 22 30 | 1 53 | 12 47 | 1 5 | 8 27 | 1 6 | 7 9 | 1 14 | 17 9 | 2 9 | 6 15 | 0 46 | 21 48 | 1 11 | 5 8 | 17 13 | 19 17 | 18 59 | 1 42 | 17 32 | 3 54 |
| S 7 | 22 24 | 4n28 | 3 9 | 22 7 | 1 55 | 12 25 | 0 59 | 8 13 | 1 5 | 7 12 | 1 14 | 17 10 | 2 10 | 6 14 | 0 46 | 21 48 | 1 11 | 5 8 | 17 13 | 19 17 | 18 59 | 1 45 | 17 32 | 3 55 |
| M 8 | 22 17 | 10 32 | 2 3 | 21 43 | 1 55 | 12 3 | 0 53 | 7 59 | 1 4 | 7 14 | 1 14 | 17 12 | 2 10 | 6 13 | 0 46 | 21 48 | 1 11 | 5 7 | 17 12 | 19 17 | 18 58 | 1 48 | 17 33 | 3 55 |
| T 9 | 22 10 | 16 3 | 0 51 | 21 17 | 1 55 | 11 40 | 0 46 | 7 45 | 1 4 | 7 16 | 1 14 | 17 13 | 2 10 | 6 13 | 0 46 | 21 48 | 1 11 | 5 7 | 17 12 | 19 17 | 18 57 | 1 51 | 17 33 | 3 55 |
| W10 | 22 3 | 20 40 | 0n24 | 20 50 | 1 54 | 11 18 | 0 39 | 7 31 | 1 3 | 7 18 | 1 15 | 17 14 | 2 10 | 6 12 | 0 46 | 21 49 | 1 11 | 5 6 | 17 11 | 19 17 | 18 56 | 1 54 | 17 33 | 3 55 |
| T 11 | 21 55 | 24 4 | 1 37 | 20 21 | 1 52 | 10 56 | 0 32 | 7 17 | 1 2 | 7 20 | 1 15 | 17 15 | 2 10 | 6 11 | 0 46 | 21 49 | 1 11 | 5 6 | 17 10 | 19 17 | 18 56 | 1 58 | 17 34 | 3 56 |
| F 12 | 21 46 | 26 1 | 2 43 | 19 51 | 1 50 | 10 33 | 0 25 | 7 3 | 1 1 | 7 22 | 1 15 | 17 16 | 2 10 | 6 10 | 0 46 | 21 49 | 1 11 | 5 5 | 17 10 | 19 16 | 18 55 | 2 1 | 17 34 | 3 56 |
| S 13 | 21 38 | 26 24 | 3 39 | 19 20 | 1 47 | 10 11 | 0 18 | 6 49 | 1 1 | 7 24 | 1 15 | 17 17 | 2 10 | 6 9 | 0 46 | 21 49 | 1 11 | 5 4 | 17 9 | 19 15 | 18 54 | 2 4 | 17 34 | 3 56 |
| S 14 | 21 29 | 25 15 | 4 22 | 18 48 | 1 43 | 9 49 | 0 10 | 6 35 | 1 0 | 7 26 | 1 16 | 17 18 | 2 10 | 6 8 | 0 46 | 21 49 | 1 11 | 5 4 | 17 9 | 19 13 | 18 53 | 2 7 | 17 34 | 3 56 |
| M15 | 21 19 | 22 45 | 4 50 | 18 16 | 1 39 | 9 27 | 0 2 | 6 20 | 0 59 | 7 28 | 1 16 | 17 20 | 2 11 | 6 7 | 0 46 | 21 49 | 1 11 | 5 3 | 17 8 | 19 11 | 18 53 | 2 10 | 17 35 | 3 57 |
| T 16 | 21 9 | 19 11 | 5 3 | 17 42 | 1 34 | 9 5 | 0s 6 | 6 6 | 0 58 | 7 29 | 1 16 | 17 21 | 2 11 | 6 6 | 0 46 | 21 49 | 1 11 | 5 3 | 17 8 | 19 8 | 18 52 | 2 13 | 17 35 | 3 57 |
| W17 | 20 59 | 14 50 | 5 2 | 17 8 | 1 28 | 8 43 | 0 14 | 5 52 | 0 58 | 7 31 | 1 16 | 17 22 | 2 11 | 6 5 | 0 46 | 21 49 | 1 11 | 5 2 | 17 7 | 19 6 | 18 51 | 2 17 | 17 35 | 3 57 |
| T 18 | 20 49 | 9 58 | 4 46 | 16 33 | 1 22 | 8 21 | 0 23 | 5 37 | 0 57 | 7 33 | 1 17 | 17 23 | 2 11 | 6 3 | 0 46 | 21 50 | 1 11 | 5 2 | 17 7 | 19 4 | 18 50 | 2 20 | 17 35 | 3 57 |
| F 19 | 20 38 | 4 49 | 4 18 | 15 58 | 1 16 | 8 0 | 0 32 | 5 23 | 0 56 | 7 34 | 1 17 | 17 24 | 2 11 | 6 2 | 0 46 | 21 50 | 1 11 | 5 1 | 17 6 | 19 3 | 18 50 | 2 23 | 17 36 | 3 58 |
| S 20 | 20 27 | 0s29 | 3 39 | 15 23 | 1 8 | 7 39 | 0 41 | 5 8 | 0 56 | 7 35 | 1 17 | 17 25 | 2 11 | 6 1 | 0 45 | 21 50 | 1 11 | 5 0 | 17 5 | 19 2 | 18 49 | 2 26 | 17 36 | 3 58 |
| S 21 | 20 15 | 5 43 | 2 51 | 14 48 | 1 1 | 7 18 | 0 51 | 4 54 | 0 55 | 7 37 | 1 17 | 17 25 | 2 12 | 6 0 | 0 45 | 21 50 | 1 11 | 5 0 | 17 5 | 19 1 | 18 48 | 2 29 | 17 36 | 3 58 |
| M22 | 20 3 | 10 47 | 1 55 | 14 12 | 0 53 | 6 57 | 1 0 | 4 39 | 0 54 | 7 38 | 1 18 | 17 26 | 2 12 | 5 59 | 0 45 | 21 50 | 1 11 | 4 59 | 17 4 | 19 1 | 18 47 | 2 33 | 17 36 | 3 58 |
| T 23 | 19 51 | 15 30 | 0 54 | 13 36 | 0 44 | 6 36 | 1 10 | 4 24 | 0 53 | 7 39 | 1 18 | 17 27 | 2 12 | 5 58 | 0 45 | 21 50 | 1 11 | 4 58 | 17 4 | 19 1 | 18 46 | 2 36 | 17 36 | 3 59 |
| W24 | 19 39 | 19 41 | 0s11 | 13 0 | 0 35 | 6 16 | 1 20 | 4 10 | 0 53 | 7 41 | 1 18 | 17 28 | 2 12 | 5 57 | 0 45 | 21 50 | 1 11 | 4 58 | 17 3 | 19 1 | 18 46 | 2 39 | 17 37 | 3 59 |
| T 25 | 19 26 | 23 5 | 1 16 | 12 25 | 0 26 | 5 56 | 1 31 | 3 55 | 0 52 | 7 42 | 1 18 | 17 29 | 2 12 | 5 56 | 0 45 | 21 50 | 1 11 | 4 57 | 17 3 | 19 1 | 18 45 | 2 42 | 17 37 | 3 59 |
| F 26 | 19 13 | 25 26 | 2 20 | 11 49 | 0 16 | 5 37 | 1 41 | 3 40 | 0 51 | 7 43 | 1 19 | 17 30 | 2 12 | 5 54 | 0 45 | 21 51 | 1 11 | 4 56 | 17 2 | 19 0 | 18 44 | 2 45 | 17 37 | 3 59 |
| S 27 | 18 59 | 26 28 | 3 17 | 11 14 | 0 6 | 5 17 | 1 52 | 3 26 | 0 51 | 7 44 | 1 19 | 17 31 | 2 13 | 5 53 | 0 45 | 21 51 | 1 11 | 4 55 | 17 2 | 18 59 | 18 43 | 2 48 | 17 37 | 4 0 |
| S 28 | 18 45 | 25 58 | 4 5 | 10 39 | 0s 5 | 4 59 | 2 3 | 3 11 | 0 50 | 7 45 | 1 19 | 17 31 | 2 13 | 5 52 | 0 45 | 21 51 | 1 11 | 4 55 | 17 1 | 18 57 | 18 43 | 2 52 | 17 37 | 4 0 |
| M29 | 18 31 | 23 52 | 4 41 | 10 5 | 0 16 | 4 40 | 2 15 | 2 56 | 0 49 | 7 45 | 1 20 | 17 32 | 2 13 | 5 51 | 0 45 | 21 51 | 1 11 | 4 54 | 17 0 | 18 55 | 18 42 | 2 55 | 17 37 | 4 0 |
| T 30 | 18 17 | 20 14 | 4 59 | 9 31 | 0 27 | 4 22 | 2 26 | 2 41 | 0 48 | 7 46 | 1 20 | 17 33 | 2 13 | 5 50 | 0 45 | 21 51 | 1 10 | 4 53 | 17 0 | 18 52 | 18 41 | 2 58 | 17 37 | 4 1 |
| W31 | 18n 2 | 15s21 | 4s59 | 8n57 | 0s39 | 4n 5 | 2s38 | 2n26 | 0n48 | 7n47 | 1s20 | 17n34 | 2s13 | 5n48 | 0n45 | 21s51 | 1n10 | 4n53 | 16n59 | 18n50 | 18n40 | 3s 1 | 17n38 | 4s 1 |

Julian Day Number = 2806376.5, Delta T = 51m49s
Ecliptic obliquity = 23°18'53, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°20'22, Lahiri = 37°27'22


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# ASTRODIENST EPHEMERIS for the year 2971
# geocentric

## AUGUST 2971 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 39 13 | 9♌29'20 | 16♓34 | 6♍12 | 13♍34 | 26♍18 | 23♈23 | 28♉36 | 17♍ 3 | 8°R47 | 28♎59 | 24°R30 | 23♉56 | 15♎25 | 8♊27 | T 1 |
| F 2 | 20 43 10 | 10°26'35 | 1♈ 8 | 7° 8 | 13°47 | 26°54 | 23°25 | 28°40 | 17° 6 | 8♏46 | 29° 0 | 24♉23 | 23°53 | 15°32 | 8°29 | F 2 |
| S 3 | 20 47 6 | 11°23'51 | 15°36 | 8° 1 | 13°58 | 27°30 | 23°27 | 28°44 | 17° 9 | 8°45 | 29° 1 | 24°18 | 23°49 | 15°38 | 8°31 | S 3 |
| S 4 | 20 51 3 | 12°21'08 | 29°53 | 8°51 | 14° 7 | 28° 7 | 23°29 | 28°48 | 17°12 | 8°43 | 29° 2 | 24°16 | 23°46 | 15°45 | 8°34 | S 4 |
| M 5 | 20 55 0 | 13°18'26 | 13♉59 | 9°38 | 14°13 | 28°43 | 23°31 | 28°52 | 17°15 | 8°42 | 29° 2 | 24°D16 | 23°43 | 15°52 | 8°36 | M 5 |
| T 6 | 20 58 56 | 14°15'44 | 27°52 | 10°21 | 14°18 | 29°19 | 23°32 | 28°55 | 17°19 | 8°41 | 29° 3 | 24°R16 | 23°40 | 15°58 | 8°38 | T 6 |
| W 7 | 21 2 53 | 15°13'04 | 11♊33 | 11° 1 | 14°R20 | 29°56 | 23°33 | 28°59 | 17°22 | 8°40 | 29° 4 | 24°15 | 23°37 | 16° 5 | 8°41 | W 7 |
| T 8 | 21 6 49 | 16°10'24 | 25° 2 | 11°36 | 14°20 | 0♎33 | 23°34 | 29° 2 | 17°25 | 8°38 | 29° 5 | 24°12 | 23°34 | 16°12 | 8°43 | T 8 |
| F 9 | 21 10 46 | 17° 7'45 | 8♋20 | 12° 8 | 14°18 | 1° 9 | 23°35 | 29° 6 | 17°29 | 8°37 | 29° 6 | 24° 7 | 23°30 | 16°18 | 8°45 | F 9 |
| S 10 | 21 14 42 | 18° 5'06 | 21°27 | 12°36 | 14°13 | 1°46 | 23°36 | 29° 9 | 17°32 | 8°36 | 29° 7 | 23°59 | 23°27 | 16°25 | 8°47 | S 10 |
| S 11 | 21 18 39 | 19° 2'29 | 4♌22 | 12°59 | 14° 6 | 2°23 | 23°36 | 29°12 | 17°35 | 8°35 | 29° 8 | 23°48 | 23°24 | 16°32 | 8°49 | S 11 |
| M12 | 21 22 35 | 19°59'52 | 17° 5 | 13°17 | 13°56 | 2°59 | 23°36 | 29°15 | 17°39 | 8°34 | 29°10 | 23°35 | 23°21 | 16°38 | 8°51 | M12 |
| T 13 | 21 26 32 | 20°57'15 | 29°35 | 13°31 | 13°44 | 3°36 | 23°R36 | 29°18 | 17°42 | 8°33 | 29°11 | 23°22 | 23°18 | 16°45 | 8°53 | T 13 |
| W14 | 21 30 29 | 21°54'39 | 11♍54 | 13°40 | 13°30 | 4°13 | 23°36 | 29°21 | 17°46 | 8°32 | 29°12 | 23° 9 | 23°15 | 16°52 | 8°55 | W14 |
| T 15 | 21 34 25 | 22°52'04 | 24° 1 | 13°R45 | 13°13 | 4°50 | 23°36 | 29°24 | 17°49 | 8°31 | 29°13 | 22°58 | 23°11 | 16°58 | 8°56 | T 15 |
| F 16 | 21 38 22 | 23°49'30 | 5♎59 | 13°44 | 12°55 | 5°27 | 23°35 | 29°27 | 17°53 | 8°30 | 29°14 | 22°49 | 23° 8 | 17° 5 | 8°58 | F 16 |
| S 17 | 21 42 18 | 24°46'56 | 17°50 | 13°38 | 12°33 | 6° 4 | 23°35 | 29°30 | 17°56 | 8°29 | 29°15 | 22°43 | 23° 5 | 17°12 | 9° 0 | S 17 |
| S 18 | 21 46 15 | 25°44'22 | 29°38 | 13°26 | 12°10 | 6°41 | 23°34 | 29°32 | 18° 0 | 8°28 | 29°17 | 22°39 | 23° 2 | 17°18 | 9° 2 | S 18 |
| M19 | 21 50 11 | 26°41'49 | 11♏28 | 13°10 | 11°45 | 7°18 | 23°33 | 29°35 | 18° 3 | 8°27 | 29°18 | 22°37 | 22°59 | 17°25 | 9° 3 | M19 |
| T 20 | 21 54 8 | 27°39'17 | 23°23 | 12°48 | 11°17 | 7°55 | 23°31 | 29°37 | 18° 7 | 8°26 | 29°19 | 22°37 | 22°55 | 17°32 | 9° 5 | T 20 |
| W21 | 21 58 4 | 28°36'46 | 5♐31 | 12°22 | 10°48 | 8°33 | 23°30 | 29°39 | 18°10 | 8°25 | 29°21 | 22°37 | 22°52 | 17°38 | 9° 6 | W21 |
| T 22 | 22 2 1 | 29°34'15 | 17°55 | 11°51 | 10°17 | 9°10 | 23°28 | 29°41 | 18°14 | 8°24 | 29°22 | 22°36 | 22°49 | 17°45 | 9° 7 | T 22 |
| F 23 | 22 5 58 | 0♑31'45 | 0♑42 | 11°15 | 9°44 | 9°47 | 23°26 | 29°43 | 18°18 | 8°23 | 29°24 | 22°33 | 22°46 | 17°52 | 9° 9 | F 23 |
| S 24 | 22 9 54 | 1°29'16 | 13°54 | 10°35 | 9°11 | 10°25 | 23°24 | 29°45 | 18°21 | 8°22 | 29°25 | 22°28 | 22°43 | 17°58 | 9°10 | S 24 |
| S 25 | 22 13 51 | 2°26'47 | 27°35 | 9°52 | 8°35 | 11° 2 | 23°22 | 29°47 | 18°25 | 8°21 | 29°27 | 22°20 | 22°40 | 18° 5 | 9°11 | S 25 |
| M26 | 22 17 47 | 3°24'20 | 11♒42 | 9° 6 | 7°59 | 11°40 | 23°19 | 29°49 | 18°29 | 8°21 | 29°28 | 22°11 | 22°36 | 18°12 | 9°12 | M26 |
| T 27 | 22 21 44 | 4°21'53 | 26°13 | 8°18 | 7°23 | 12°17 | 23°16 | 29°51 | 18°32 | 8°20 | 29°30 | 22° 0 | 22°33 | 18°18 | 9°14 | T 27 |
| W28 | 22 25 40 | 5°19'27 | 11♓ 2 | 7°29 | 6°45 | 12°55 | 23°14 | 29°52 | 18°36 | 8°19 | 29°31 | 21°49 | 22°30 | 18°25 | 9°15 | W28 |
| T 29 | 22 29 37 | 6°17'02 | 25°59 | 6°39 | 6° 8 | 13°33 | 23°10 | 29°54 | 18°40 | 8°19 | 29°33 | 21°40 | 22°27 | 18°32 | 9°16 | T 29 |
| F 30 | 22 33 33 | 7°14'39 | 10♈56 | 5°51 | 5°30 | 14°10 | 23° 7 | 29°55 | 18°43 | 8°18 | 29°34 | 21°32 | 22°24 | 18°38 | 9°17 | F 30 |
| S 31 | 22 37 30 | 8♍12'16 | 25♈43 | 5♍ 3 | 4♍53 | 14♎48 | 23♈ 4 | 29♉56 | 18♍47 | 8♏17 | 29♎36 | 21♉28 | 22♉21 | 18♎45 | 9♊17 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n47 | 9s34 | 4s40 | 8n24 | 0s51 | 3n48 | 2s50 | 2n11 | 0n47 | 7n47 | 1s20 | 17n34 | 2s13 | 5n47 | 0n45 | 21s51 | 1n10 | 4n52 | 16n59 | 18n48 | 18n39 | 3s 4 | 17n38 | 4s 1 |
| F 2 | 17 32 | 3 16 | 4 2 | 7 52 | 1 3 | 3 32 | 3 3 | 1 56 | 0 46 | 7 48 | 1 21 | 17 35 | 2 14 | 5 46 | 0 45 | 21 51 | 1 10 | 4 51 | 16 58 | 18 46 | 18 39 | 3 8 | 17 38 | 4 1 |
| S 3 | 17 16 | 3n11 | 3 9 | 7 21 | 1 15 | 3 16 | 3 15 | 1 41 | 0 46 | 7 48 | 1 21 | 17 36 | 2 14 | 5 45 | 0 45 | 21 51 | 1 10 | 4 50 | 16 58 | 18 45 | 18 38 | 3 11 | 17 38 | 4 2 |
| S 4 | 17 0 | 9 25 | 2 5 | 6 51 | 1 28 | 3 1 | 3 28 | 1 26 | 0 45 | 7 49 | 1 21 | 17 36 | 2 14 | 5 43 | 0 45 | 21 52 | 1 10 | 4 49 | 16 57 | 18 44 | 18 37 | 3 14 | 17 38 | 4 2 |
| M 5 | 16 44 | 15 5 | 0 54 | 6 22 | 1 41 | 2 47 | 3 41 | 1 11 | 0 44 | 7 49 | 1 22 | 17 37 | 2 14 | 5 42 | 0 45 | 21 52 | 1 10 | 4 49 | 16 57 | 18 44 | 18 36 | 3 17 | 17 38 | 4 2 |
| T 6 | 16 28 | 19 54 | 0n19 | 5 54 | 1 54 | 2 33 | 3 54 | 0 56 | 0 44 | 7 49 | 1 22 | 17 38 | 2 14 | 5 41 | 0 45 | 21 52 | 1 10 | 4 48 | 16 56 | 18 44 | 18 36 | 3 20 | 17 38 | 4 3 |
| W 7 | 16 11 | 23 32 | 1 30 | 5 27 | 2 7 | 2 20 | 4 7 | 0 41 | 0 43 | 7 50 | 1 22 | 17 38 | 2 15 | 5 39 | 0 45 | 21 52 | 1 10 | 4 47 | 16 56 | 18 44 | 18 35 | 3 24 | 17 38 | 4 3 |
| T 8 | 15 54 | 25 48 | 2 35 | 5 1 | 2 20 | 2 8 | 4 20 | 0 26 | 0 42 | 7 50 | 1 22 | 17 39 | 2 15 | 5 38 | 0 45 | 21 52 | 1 10 | 4 46 | 16 55 | 18 44 | 18 34 | 3 27 | 17 38 | 4 3 |
| F 9 | 15 37 | 26 33 | 3 30 | 4 37 | 2 33 | 1 57 | 4 33 | 0 11 | 0 42 | 7 50 | 1 23 | 17 39 | 2 15 | 5 37 | 0 45 | 21 52 | 1 10 | 4 45 | 16 55 | 18 42 | 18 33 | 3 30 | 17 38 | 4 4 |
| S 10 | 15 20 | 25 47 | 4 14 | 4 15 | 2 46 | 1 46 | 4 46 | 0s 4 | 0 41 | 7 50 | 1 23 | 17 40 | 2 15 | 5 36 | 0 45 | 21 52 | 1 10 | 4 45 | 16 54 | 18 40 | 18 32 | 3 33 | 17 38 | 4 4 |
| S 11 | 15 2 | 23 39 | 4 43 | 3 54 | 2 59 | 1 37 | 5 0 | 0 19 | 0 40 | 7 50 | 1 23 | 17 40 | 2 15 | 5 34 | 0 45 | 21 52 | 1 10 | 4 44 | 16 54 | 18 38 | 18 32 | 3 36 | 17 38 | 4 4 |
| M12 | 14 44 | 20 22 | 4 58 | 3 35 | 3 11 | 1 28 | 5 13 | 0 35 | 0 40 | 7 50 | 1 23 | 17 41 | 2 16 | 5 33 | 0 45 | 21 52 | 1 10 | 4 43 | 16 53 | 18 34 | 18 31 | 3 39 | 17 38 | 4 4 |
| T 13 | 14 26 | 16 13 | 4 58 | 3 18 | 3 24 | 1 20 | 5 26 | 0 50 | 0 39 | 7 49 | 1 24 | 17 41 | 2 16 | 5 31 | 0 45 | 21 53 | 1 10 | 4 42 | 16 53 | 18 31 | 18 30 | 3 43 | 17 38 | 4 5 |
| W14 | 14 8 | 11 27 | 4 44 | 3 4 | 3 36 | 1 13 | 5 39 | 1 5 | 0 38 | 7 49 | 1 24 | 17 42 | 2 16 | 5 30 | 0 45 | 21 53 | 1 10 | 4 41 | 16 52 | 18 28 | 18 29 | 3 46 | 17 38 | 4 5 |
| T 15 | 13 49 | 6 18 | 4 18 | 2 51 | 3 48 | 1 8 | 5 52 | 1 20 | 0 38 | 7 49 | 1 24 | 17 42 | 2 16 | 5 29 | 0 45 | 21 53 | 1 10 | 4 40 | 16 52 | 18 25 | 18 28 | 3 49 | 17 38 | 4 5 |
| F 16 | 13 31 | 1 0 | 3 40 | 2 41 | 3 59 | 1 3 | 6 5 | 1 35 | 0 37 | 7 48 | 1 25 | 17 42 | 2 16 | 5 27 | 0 45 | 21 53 | 1 10 | 4 39 | 16 51 | 18 23 | 18 28 | 3 52 | 17 38 | 4 6 |
| S 17 | 13 12 | 4s18 | 2 53 | 2 34 | 4 10 | 0 59 | 6 18 | 1 51 | 0 36 | 7 48 | 1 25 | 17 43 | 2 17 | 5 26 | 0 45 | 21 53 | 1 10 | 4 39 | 16 51 | 18 21 | 18 27 | 3 55 | 17 38 | 4 6 |
| S 18 | 12 52 | 9 26 | 1 58 | 2 29 | 4 19 | 0 57 | 6 30 | 2 6 | 0 36 | 7 47 | 1 25 | 17 43 | 2 17 | 5 25 | 0 45 | 21 53 | 1 10 | 4 38 | 16 50 | 18 20 | 18 26 | 3 59 | 17 38 | 4 6 |
| M19 | 12 33 | 14 16 | 0 59 | 2 27 | 4 28 | 0 55 | 6 42 | 2 21 | 0 35 | 7 46 | 1 25 | 17 43 | 2 17 | 5 23 | 0 45 | 21 53 | 1 10 | 4 37 | 16 50 | 18 20 | 18 25 | 4 2 | 17 38 | 4 7 |
| T 20 | 12 14 | 18 35 | 0s 4 | 2 28 | 4 36 | 0 55 | 6 53 | 2 36 | 0 34 | 7 46 | 1 26 | 17 44 | 2 17 | 5 22 | 0 45 | 21 53 | 1 10 | 4 36 | 16 49 | 18 20 | 18 24 | 4 5 | 17 37 | 4 7 |
| W21 | 11 54 | 22 13 | 1 8 | 2 31 | 4 43 | 0 56 | 7 4 | 2 51 | 0 34 | 7 45 | 1 26 | 17 44 | 2 17 | 5 20 | 0 45 | 21 53 | 1 10 | 4 35 | 16 49 | 18 20 | 18 24 | 4 8 | 17 37 | 4 7 |
| T 22 | 11 34 | 24 55 | 2 10 | 2 38 | 4 48 | 0 58 | 7 14 | 3 7 | 0 33 | 7 44 | 1 26 | 17 44 | 2 18 | 5 19 | 0 45 | 21 53 | 1 10 | 4 34 | 16 48 | 18 20 | 18 23 | 4 11 | 17 37 | 4 8 |
| F 23 | 11 14 | 26 26 | 3 7 | 2 48 | 4 53 | 1 1 | 7 24 | 3 22 | 0 32 | 7 43 | 1 26 | 17 44 | 2 18 | 5 18 | 0 45 | 21 54 | 1 10 | 4 33 | 16 48 | 18 19 | 18 22 | 4 15 | 17 37 | 4 8 |
| S 24 | 10 53 | 26 31 | 3 56 | 3 0 | 4 55 | 1 5 | 7 33 | 3 37 | 0 32 | 7 42 | 1 27 | 17 45 | 2 18 | 5 16 | 0 45 | 21 54 | 1 10 | 4 32 | 16 47 | 18 18 | 18 21 | 4 18 | 17 37 | 4 8 |
| S 25 | 10 33 | 25 1 | 4 34 | 3 15 | 4 56 | 1 10 | 7 41 | 3 52 | 0 31 | 7 41 | 1 27 | 17 45 | 2 18 | 5 15 | 0 45 | 21 54 | 1 10 | 4 31 | 16 47 | 18 16 | 18 20 | 4 21 | 17 37 | 4 9 |
| M26 | 10 12 | 21 56 | 4 56 | 3 33 | 4 55 | 1 16 | 7 49 | 4 7 | 0 30 | 7 40 | 1 27 | 17 45 | 2 19 | 5 13 | 0 45 | 21 54 | 1 10 | 4 30 | 16 46 | 18 13 | 18 20 | 4 24 | 17 37 | 4 9 |
| T 27 | 9 52 | 17 25 | 5 0 | 3 54 | 4 52 | 1 23 | 7 56 | 4 23 | 0 30 | 7 38 | 1 27 | 17 45 | 2 19 | 5 12 | 0 45 | 21 54 | 1 10 | 4 30 | 16 46 | 18 10 | 18 19 | 4 27 | 17 37 | 4 9 |
| W28 | 9 31 | 11 47 | 4 45 | 4 16 | 4 47 | 1 31 | 8 2 | 4 38 | 0 29 | 7 37 | 1 28 | 17 45 | 2 19 | 5 10 | 0 45 | 21 54 | 1 9 | 4 29 | 16 45 | 18 8 | 18 18 | 4 30 | 17 36 | 4 10 |
| T 29 | 9 10 | 5 24 | 4 9 | 4 40 | 4 41 | 1 39 | 8 7 | 4 53 | 0 28 | 7 36 | 1 28 | 17 45 | 2 19 | 5 9 | 0 45 | 21 54 | 1 9 | 4 28 | 16 45 | 18 5 | 18 17 | 4 34 | 17 36 | 4 10 |
| F 30 | 8 48 | 1n17 | 3 17 | 5 6 | 4 32 | 1 49 | 8 11 | 5 8 | 0 28 | 7 34 | 1 28 | 17 45 | 2 19 | 5 8 | 0 45 | 21 54 | 1 9 | 4 27 | 16 45 | 18 3 | 18 16 | 4 37 | 17 36 | 4 10 |
| S 31 | 8n27 | 7n50 | 2s12 | 5n32 | 4s22 | 1n59 | 8s15 | 5s23 | 0n27 | 7n33 | 1s28 | 17n45 | 2s20 | 5n 6 | 0n45 | 21s54 | 1n 9 | 4n26 | 16n44 | 18n 2 | 18n16 | 4s40 | 17n36 | 4s11 |

Julian Day Number = 2806407.5, Delta T = 51m50s
Ecliptic obliquity = 23°18'54, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°20'26, Lahiri = 37°27'27


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# ASTRODIENST EPHEMERIS for the year 2971
# geocentric

## SEPTEMBER 2971 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 41 27 | 9♍ 9'56 | 10♉16 | 4°R18 | 4°R16 | 15♎26 | 23°R 0 | 29♉57 | 18♍51 | 8°R17 | 29♎38 | 21°R26 | 22♉17 | 18♎52 | 9♊18 | S 1 |
| M 2 | 22 45 23 | 10° 7'37 | 24°31 | 3♍37 | 3♍40 | 16° 4 | 22♈56 | 29°58 | 18°55 | 8♏16 | 29°39 | 21°D26 | 22°14 | 18°58 | 9°19 | M 2 |
| T 3 | 22 49 20 | 11° 5'19 | 8♊26 | 3° 0 | 3° 5 | 16°42 | 22°52 | 29°59 | 18°58 | 8°16 | 29°41 | 21°R26 | 22°11 | 19° 5 | 9°20 | T 3 |
| W 4 | 22 53 16 | 12° 3'03 | 22° 2 | 2°28 | 2°31 | 17°20 | 22°48 | 0♊ 0 | 19° 2 | 8°15 | 29°43 | 21♉25 | 22° 8 | 19°12 | 9°20 | W 4 |
| T 5 | 22 57 13 | 13° 0'49 | 5♋20 | 2° 2 | 1°59 | 17°58 | 22°44 | 0° 1 | 19° 6 | 8°15 | 29°44 | 21°23 | 22° 5 | 19°18 | 9°21 | T 5 |
| F 6 | 23 1 9 | 13°58'36 | 18°23 | 1°43 | 1°28 | 18°36 | 22°39 | 0° 1 | 19° 9 | 8°14 | 29°46 | 21°19 | 22° 1 | 19°25 | 9°21 | F 6 |
| S 7 | 23 5 6 | 14°56'25 | 1♌12 | 1°31 | 0°59 | 19°14 | 22°35 | 0° 2 | 19°13 | 8°14 | 29°48 | 21°12 | 21°58 | 19°32 | 9°22 | S 7 |
| S 8 | 23 9 2 | 15°54'16 | 13°49 | 1°D26 | 0°31 | 19°52 | 22°30 | 0° 2 | 19°17 | 8°13 | 29°50 | 21° 3 | 21°55 | 19°38 | 9°22 | S 8 |
| M 9 | 23 12 59 | 16°52'07 | 26°15 | 1°28 | 0° 6 | 20°30 | 22°25 | 0° 3 | 19°21 | 8°13 | 29°52 | 20°52 | 21°52 | 19°45 | 9°23 | M 9 |
| T 10 | 23 16 56 | 17°50'01 | 8♍31 | 1°39 | 29♌42 | 21° 9 | 22°20 | 0° 3 | 19°25 | 8°13 | 29°54 | 20°40 | 21°49 | 19°52 | 9°23 | T 10 |
| W11 | 23 20 52 | 18°47'55 | 20°38 | 1°58 | 29°21 | 21°47 | 22°14 | 0°R 3 | 19°28 | 8°12 | 29°55 | 20°29 | 21°46 | 19°58 | 9°23 | W11 |
| T 12 | 23 24 49 | 19°45'52 | 2♎37 | 2°24 | 29° 2 | 22°25 | 22° 9 | 0° 3 | 19°32 | 8°12 | 29°57 | 20°19 | 21°42 | 20° 5 | 9°23 | T 12 |
| F 13 | 23 28 45 | 20°43'49 | 14°30 | 2°59 | 28°45 | 23° 4 | 22° 3 | 0° 3 | 19°36 | 8°12 | 29°59 | 20°11 | 21°39 | 20°12 | 9°23 | F 13 |
| S 14 | 23 32 42 | 21°41'48 | 26°18 | 3°42 | 28°31 | 23°42 | 21°57 | 0° 3 | 19°40 | 8°12 | 0♏ 1 | 20° 6 | 21°36 | 20°18 | 9°R23 | S 14 |
| S 15 | 23 36 38 | 22°39'49 | 8♏ 5 | 4°32 | 28°19 | 24°21 | 21°51 | 0° 2 | 19°43 | 8°12 | 0° 3 | 20° 3 | 21°33 | 20°25 | 9°23 | S 15 |
| M16 | 23 40 35 | 23°37'51 | 19°53 | 5°29 | 28°10 | 25° 0 | 21°45 | 0° 2 | 19°47 | 8°11 | 0° 5 | 20°D 2 | 21°30 | 20°32 | 9°23 | M16 |
| T 17 | 23 44 31 | 24°35'54 | 1♐48 | 6°33 | 28° 3 | 25°38 | 21°39 | 0° 1 | 19°51 | 8°11 | 0° 7 | 20° 2 | 21°26 | 20°38 | 9°23 | T 17 |
| W18 | 23 48 28 | 25°33'58 | 13°54 | 7°44 | 27°58 | 26°17 | 21°33 | 0° 1 | 19°55 | 8°11 | 0° 9 | 20° 3 | 21°23 | 20°45 | 9°23 | W18 |
| T 19 | 23 52 25 | 26°32'04 | 26°16 | 9° 1 | 27°56 | 26°56 | 21°26 | 29♉59 | 19°58 | 8°D11 | 0°11 | 20°R 4 | 21°20 | 20°52 | 9°22 | T 19 |
| F 20 | 23 56 21 | 27°30'12 | 9♑ 0 | 10°24 | 27°D56 | 27°35 | 21°19 | 29°59 | 20° 2 | 8°11 | 0°13 | 20° 3 | 21°17 | 20°58 | 9°22 | F 20 |
| S 21 | 0 0 18 | 28°28'20 | 22° 9 | 11°52 | 27°58 | 28°14 | 21°13 | 29°58 | 20° 6 | 8°11 | 0°15 | 20° 1 | 21°14 | 21° 5 | 9°22 | S 21 |
| S 22 | 0 4 14 | 29°26'30 | 5♒47 | 13°24 | 28° 2 | 28°52 | 21° 6 | 29°57 | 20°10 | 8°11 | 0°18 | 19°56 | 21°11 | 21°12 | 9°21 | S 22 |
| M23 | 0 8 11 | 0♎24'42 | 19°54 | 15° 1 | 28° 9 | 29°31 | 20°59 | 29°56 | 20°13 | 8°11 | 0°20 | 19°50 | 21° 7 | 21°18 | 9°21 | M23 |
| T 24 | 0 12 7 | 1°22'55 | 4♓28 | 16°41 | 28°18 | 0♏10 | 20°52 | 29°54 | 20°17 | 8°12 | 0°22 | 19°43 | 21° 4 | 21°25 | 9°20 | T 24 |
| W25 | 0 16 4 | 2°21'09 | 19°24 | 18°24 | 28°29 | 0°50 | 20°45 | 29°53 | 20°21 | 8°12 | 0°24 | 19°35 | 21° 1 | 21°32 | 9°19 | W25 |
| T 26 | 0 20 0 | 3°19'25 | 4♈33 | 20°10 | 28°43 | 1°29 | 20°37 | 29°52 | 20°24 | 8°12 | 0°26 | 19°29 | 20°58 | 21°38 | 9°19 | T 26 |
| F 27 | 0 23 57 | 4°17'43 | 19°46 | 21°58 | 28°58 | 2° 8 | 20°30 | 29°50 | 20°28 | 8°12 | 0°28 | 19°24 | 20°55 | 21°45 | 9°18 | F 27 |
| S 28 | 0 27 53 | 5°16'03 | 4♉52 | 23°48 | 29°15 | 2°47 | 20°23 | 29°48 | 20°32 | 8°12 | 0°30 | 19°21 | 20°52 | 21°52 | 9°17 | S 28 |
| S 29 | 0 31 50 | 6°14'24 | 19°43 | 25°39 | 29°35 | 3°26 | 20°15 | 29°46 | 20°35 | 8°13 | 0°33 | 19°D21 | 20°48 | 21°58 | 9°16 | S 29 |
| M30 | 0 35 47 | 7♎12'48 | 4♊12 | 27♍31 | 29♌56 | 4♏ 6 | 20♈ 7 | 29♉45 | 20♍39 | 8♏13 | 0♏35 | 19♉21 | 20♉45 | 22♎ 5 | 9♊15 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 8n 6 | 13n53 | 0s59 | 5n59 | 4s11 | 2n 9 | 8s17 | 5s38 | 0n26 | 7n31 | 1s29 | 17n45 | 2s20 | 5n 5 | 0n45 | 21s54 | 1n 9 | 4n25 | 16n44 | 18n 2 | 18n15 | 4s43 | 17n35 | 4s11 |
| M 2 | 7 44 | 19 4 | 0n16 | 6 26 | 3 57 | 2 21 | 8 19 | 5 53 | 0 26 | 7 30 | 1 29 | 17 45 | 2 20 | 5 3 | 0 45 | 21 54 | 1 9 | 4 24 | 16 43 | 18 1 | 18 14 | 4 46 | 17 35 | 4 11 |
| T 3 | 7 22 | 23 4 | 1 29 | 6 53 | 3 43 | 2 32 | 8 19 | 6 9 | 0 25 | 7 28 | 1 29 | 17 45 | 2 20 | 5 2 | 0 45 | 21 54 | 1 9 | 4 23 | 16 43 | 18 2 | 18 13 | 4 50 | 17 35 | 4 12 |
| W 4 | 7 0 | 25 39 | 2 35 | 7 19 | 3 27 | 2 44 | 8 19 | 6 24 | 0 24 | 7 26 | 1 29 | 17 45 | 2 20 | 5 0 | 0 45 | 21 55 | 1 9 | 4 22 | 16 43 | 18 1 | 18 12 | 4 53 | 17 35 | 4 12 |
| T 5 | 6 38 | 26 43 | 3 31 | 7 44 | 3 10 | 2 57 | 8 18 | 6 39 | 0 24 | 7 25 | 1 30 | 17 45 | 2 21 | 4 59 | 0 45 | 21 55 | 1 9 | 4 21 | 16 42 | 18 1 | 18 12 | 4 56 | 17 35 | 4 13 |
| F 6 | 6 16 | 26 16 | 4 15 | 8 7 | 2 53 | 3 9 | 8 16 | 6 54 | 0 23 | 7 23 | 1 30 | 17 45 | 2 21 | 4 57 | 0 45 | 21 55 | 1 9 | 4 20 | 16 42 | 18 0 | 18 11 | 4 59 | 17 34 | 4 13 |
| S 7 | 5 54 | 24 25 | 4 45 | 8 28 | 2 35 | 3 22 | 8 14 | 7 9 | 0 23 | 7 21 | 1 30 | 17 45 | 2 21 | 4 56 | 0 45 | 21 55 | 1 9 | 4 19 | 16 41 | 17 58 | 18 10 | 5 2 | 17 34 | 4 13 |
| S 8 | 5 32 | 21 23 | 5 1 | 8 47 | 2 16 | 3 34 | 8 10 | 7 24 | 0 22 | 7 19 | 1 30 | 17 45 | 2 21 | 4 54 | 0 45 | 21 55 | 1 9 | 4 18 | 16 41 | 17 56 | 18 9 | 5 6 | 17 34 | 4 14 |
| M 9 | 5 10 | 17 26 | 5 2 | 9 4 | 1 58 | 3 47 | 8 6 | 7 38 | 0 21 | 7 17 | 1 30 | 17 45 | 2 22 | 4 53 | 0 45 | 21 55 | 1 9 | 4 17 | 16 41 | 17 53 | 18 8 | 5 9 | 17 33 | 4 14 |
| T 10 | 4 47 | 12 48 | 4 49 | 9 17 | 1 39 | 3 59 | 8 1 | 7 53 | 0 21 | 7 15 | 1 31 | 17 45 | 2 22 | 4 51 | 0 45 | 21 55 | 1 9 | 4 16 | 16 40 | 17 50 | 18 7 | 5 12 | 17 33 | 4 14 |
| W11 | 4 25 | 7 43 | 4 23 | 9 28 | 1 21 | 4 11 | 7 56 | 8 8 | 0 20 | 7 12 | 1 31 | 17 45 | 2 22 | 4 50 | 0 45 | 21 55 | 1 9 | 4 15 | 16 40 | 17 47 | 18 7 | 5 15 | 17 33 | 4 15 |
| T 12 | 4 2 | 2 25 | 3 45 | 9 35 | 1 3 | 4 23 | 7 50 | 8 23 | 0 19 | 7 10 | 1 31 | 17 44 | 2 22 | 4 48 | 0 45 | 21 55 | 1 9 | 4 15 | 16 40 | 17 44 | 18 6 | 5 18 | 17 32 | 4 15 |
| F 13 | 3 39 | 2s57 | 2 58 | 9 39 | 0 46 | 4 35 | 7 44 | 8 38 | 0 19 | 7 8 | 1 31 | 17 44 | 2 22 | 4 47 | 0 45 | 21 55 | 1 9 | 4 14 | 16 39 | 17 42 | 18 5 | 5 21 | 17 32 | 4 15 |
| S 14 | 3 17 | 8 11 | 2 4 | 9 39 | 0 29 | 4 47 | 7 37 | 8 53 | 0 18 | 7 6 | 1 31 | 17 44 | 2 23 | 4 46 | 0 45 | 21 55 | 1 9 | 4 13 | 16 39 | 17 40 | 18 4 | 5 25 | 17 32 | 4 16 |
| S 15 | 2 54 | 13 7 | 1 4 | 9 36 | 0 13 | 4 58 | 7 29 | 9 7 | 0 17 | 7 3 | 1 32 | 17 44 | 2 23 | 4 44 | 0 45 | 21 55 | 1 9 | 4 12 | 16 39 | 17 40 | 18 3 | 5 28 | 17 31 | 4 16 |
| M16 | 2 31 | 17 36 | 0 1 | 9 30 | 0n 3 | 5 8 | 7 21 | 9 22 | 0 17 | 7 1 | 1 32 | 17 43 | 2 23 | 4 43 | 0 45 | 21 55 | 1 9 | 4 11 | 16 38 | 17 39 | 18 3 | 5 31 | 17 31 | 4 16 |
| T 17 | 2 8 | 21 27 | 1s 3 | 9 19 | 0 17 | 5 18 | 7 13 | 9 37 | 0 16 | 6 58 | 1 32 | 17 43 | 2 23 | 4 41 | 0 45 | 21 55 | 1 9 | 4 10 | 16 38 | 17 40 | 18 2 | 5 34 | 17 31 | 4 17 |
| W18 | 1 45 | 24 25 | 2 5 | 9 6 | 0 30 | 5 28 | 7 4 | 9 51 | 0 16 | 6 56 | 1 32 | 17 43 | 2 23 | 4 40 | 0 45 | 21 55 | 1 9 | 4 9 | 16 38 | 17 40 | 18 1 | 5 37 | 17 30 | 4 17 |
| T 19 | 1 22 | 26 18 | 3 2 | 8 48 | 0 43 | 5 37 | 6 55 | 10 6 | 0 15 | 6 53 | 1 32 | 17 42 | 2 24 | 4 38 | 0 45 | 21 55 | 1 9 | 4 8 | 16 37 | 17 40 | 18 0 | 5 41 | 17 30 | 4 17 |
| F 20 | 0 59 | 26 53 | 3 53 | 8 28 | 0 54 | 5 46 | 6 46 | 10 20 | 0 14 | 6 51 | 1 32 | 17 42 | 2 24 | 4 37 | 0 45 | 21 55 | 1 8 | 4 7 | 16 37 | 17 40 | 17 59 | 5 44 | 17 30 | 4 18 |
| S 21 | 0 36 | 25 59 | 4 32 | 8 4 | 1 4 | 5 54 | 6 37 | 10 35 | 0 14 | 6 48 | 1 33 | 17 41 | 2 24 | 4 35 | 0 45 | 21 56 | 1 8 | 4 6 | 16 37 | 17 39 | 17 58 | 5 47 | 17 29 | 4 18 |
| S 22 | 0 13 | 23 33 | 4 58 | 7 37 | 1 13 | 6 1 | 6 27 | 10 49 | 0 13 | 6 45 | 1 33 | 17 41 | 2 24 | 4 34 | 0 45 | 21 56 | 1 8 | 4 5 | 16 37 | 17 38 | 17 58 | 5 50 | 17 29 | 4 18 |
| M23 | 0s10 | 19 38 | 5 8 | 7 8 | 1 21 | 6 8 | 6 18 | 11 3 | 0 12 | 6 43 | 1 33 | 17 41 | 2 24 | 4 32 | 0 45 | 21 56 | 1 8 | 4 4 | 16 36 | 17 36 | 17 57 | 5 53 | 17 28 | 4 19 |
| T 24 | 0 33 | 14 27 | 4 58 | 6 35 | 1 28 | 6 14 | 6 8 | 11 17 | 0 12 | 6 40 | 1 33 | 17 40 | 2 25 | 4 31 | 0 45 | 21 56 | 1 8 | 4 3 | 16 36 | 17 34 | 17 56 | 5 56 | 17 28 | 4 19 |
| W25 | 0 56 | 8 17 | 4 27 | 6 1 | 1 34 | 6 20 | 5 58 | 11 32 | 0 11 | 6 37 | 1 33 | 17 40 | 2 25 | 4 29 | 0 45 | 21 56 | 1 8 | 4 2 | 16 36 | 17 32 | 17 55 | 6 0 | 17 27 | 4 19 |
| T 26 | 1 19 | 1 32 | 3 38 | 5 24 | 1 39 | 6 25 | 5 48 | 11 46 | 0 11 | 6 34 | 1 33 | 17 39 | 2 25 | 4 28 | 0 45 | 21 56 | 1 8 | 4 1 | 16 36 | 17 31 | 17 54 | 6 3 | 17 27 | 4 20 |
| F 27 | 1 42 | 5n20 | 2 33 | 4 45 | 1 43 | 6 29 | 5 38 | 12 0 | 0 10 | 6 31 | 1 33 | 17 39 | 2 25 | 4 27 | 0 45 | 21 56 | 1 8 | 4 0 | 16 35 | 17 29 | 17 53 | 6 6 | 17 27 | 4 20 |
| S 28 | 2 5 | 11 51 | 1 18 | 4 4 | 1 46 | 6 33 | 5 28 | 12 14 | 0 9 | 6 29 | 1 33 | 17 38 | 2 25 | 4 25 | 0 45 | 21 56 | 1 8 | 3 59 | 16 35 | 17 29 | 17 53 | 6 9 | 17 26 | 4 20 |
| S 29 | 2 28 | 17 36 | 0n 2 | 3 22 | 1 48 | 6 36 | 5 18 | 12 28 | 0 9 | 6 26 | 1 34 | 17 38 | 2 26 | 4 24 | 0 45 | 21 56 | 1 8 | 3 59 | 16 35 | 17 28 | 17 52 | 6 12 | 17 26 | 4 21 |
| M30 | 2s51 | 22n11 | 1n20 | 2n39 | 1n49 | 6n38 | 5s 8 | 12s42 | 0n 8 | 6n23 | 1s34 | 17n37 | 2s26 | 4n22 | 0n45 | 21s56 | 1n 8 | 3n58 | 16n35 | 17n29 | 17n51 | 6s16 | 17n25 | 4s21 |

Julian Day Number = 2806438.5, Delta T = 51m50s
Ecliptic obliquity = 23°18'54, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°20'30, Lahiri = 37°27'31


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# ASTRODIENST EPHEMERIS for the year 2971
# geocentric

## OCTOBER 2971 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 39 43 | 8♎11'14 | 18♊18 | 29♍23 | 0♍18 | 4♏45 | 20°R 0 | 29°R43 | 20♍43 | 8♑13 | 0♏37 | 19♉23 | 20♉42 | 22♎12 | 9°R14 | T 1 |
| W 2 | 0 43 40 | 9° 9'42 | 1♋59 | 1♎16 | 0°43 | 5°25 | 19♈52 | 29♉41 | 20°46 | 8°14 | 0°39 | 19°24 | 20°39 | 22°18 | 9♊13 | W 2 |
| T 3 | 0 47 36 | 10° 8'12 | 15°17 | 3° 9 | 1° 9 | 6° 4 | 19°44 | 29°38 | 20°50 | 8°14 | 0°41 | 19°R24 | 20°36 | 22°25 | 9°12 | T 3 |
| F 4 | 0 51 33 | 11° 6'44 | 28°15 | 5° 2 | 1°37 | 6°44 | 19°36 | 29°36 | 20°54 | 8°15 | 0°44 | 19°22 | 20°32 | 22°32 | 9°11 | F 4 |
| S 5 | 0 55 29 | 12° 5'19 | 10♌55 | 6°54 | 2° 7 | 7°23 | 19°29 | 29°34 | 20°57 | 8°15 | 0°46 | 19°19 | 20°29 | 22°38 | 9° 9 | S 5 |
| S 6 | 0 59 26 | 13° 3'55 | 23°20 | 8°46 | 2°38 | 8° 3 | 19°21 | 29°31 | 21° 1 | 8°16 | 0°48 | 19°14 | 20°26 | 22°45 | 9° 8 | S 6 |
| M 7 | 1 3 22 | 14° 2'33 | 5♍34 | 10°38 | 3°10 | 8°43 | 19°13 | 29°29 | 21° 4 | 8°16 | 0°51 | 19° 9 | 20°23 | 22°52 | 9° 7 | M 7 |
| T 8 | 1 7 19 | 15° 1'14 | 17°38 | 12°28 | 3°44 | 9°23 | 19° 5 | 29°26 | 21° 8 | 8°17 | 0°53 | 19° 2 | 20°20 | 22°58 | 9° 5 | T 8 |
| W 9 | 1 11 16 | 15°59'56 | 29°35 | 14°18 | 4°19 | 10° 2 | 18°57 | 29°23 | 21°11 | 8°17 | 0°55 | 18°56 | 20°17 | 23° 5 | 9° 4 | W 9 |
| T 10 | 1 15 12 | 16°58'41 | 11♎27 | 16° 8 | 4°56 | 10°42 | 18°49 | 29°20 | 21°15 | 8°18 | 0°57 | 18°51 | 20°13 | 23°12 | 9° 2 | T 10 |
| F 11 | 1 19 9 | 17°57'27 | 23°16 | 17°56 | 5°34 | 11°22 | 18°41 | 29°18 | 21°18 | 8°19 | 1° 0 | 18°47 | 20°10 | 23°18 | 9° 1 | F 11 |
| S 12 | 1 23 5 | 18°56'16 | 5♏ 4 | 19°44 | 6°13 | 12° 2 | 18°32 | 29°15 | 21°22 | 8°20 | 1° 2 | 18°45 | 20° 7 | 23°25 | 8°59 | S 12 |
| S 13 | 1 27 2 | 19°55'06 | 16°52 | 21°30 | 6°53 | 12°42 | 18°24 | 29°11 | 21°25 | 8°20 | 1° 4 | 18°D44 | 20° 4 | 23°32 | 8°57 | S 13 |
| M14 | 1 30 58 | 20°53'58 | 28°44 | 23°16 | 7°34 | 13°23 | 18°16 | 29° 8 | 21°29 | 8°21 | 1° 7 | 18°44 | 20° 1 | 23°38 | 8°55 | M14 |
| T 15 | 1 34 55 | 21°52'52 | 10♐43 | 25° 1 | 8°16 | 14° 3 | 18° 8 | 29° 5 | 21°32 | 8°22 | 1° 9 | 18°45 | 19°58 | 23°45 | 8°54 | T 15 |
| W16 | 1 38 51 | 22°51'48 | 22°52 | 26°45 | 8°59 | 14°43 | 18° 0 | 29° 2 | 21°35 | 8°23 | 1°11 | 18°47 | 19°54 | 23°52 | 8°52 | W16 |
| T 17 | 1 42 48 | 23°50'45 | 5♑15 | 28°28 | 9°44 | 15°23 | 17°52 | 28°58 | 21°39 | 8°24 | 1°14 | 18°49 | 19°51 | 23°58 | 8°50 | T 17 |
| F 18 | 1 46 45 | 24°49'44 | 17°56 | 0♏11 | 10°29 | 16° 4 | 17°45 | 28°55 | 21°42 | 8°25 | 1°16 | 18°50 | 19°48 | 24° 5 | 8°48 | F 18 |
| S 19 | 1 50 41 | 25°48'45 | 1♒ 1 | 1°52 | 11°15 | 16°44 | 17°37 | 28°51 | 21°45 | 8°25 | 1°19 | 18°R50 | 19°45 | 24°11 | 8°46 | S 19 |
| S 20 | 1 54 38 | 26°47'48 | 14°30 | 3°33 | 12° 2 | 17°25 | 17°29 | 28°48 | 21°49 | 8°26 | 1°21 | 18°49 | 19°42 | 24°18 | 8°44 | S 20 |
| M21 | 1 58 34 | 27°46'52 | 28°27 | 5°12 | 12°50 | 18° 5 | 17°21 | 28°44 | 21°52 | 8°27 | 1°23 | 18°47 | 19°38 | 24°25 | 8°42 | M21 |
| T 22 | 2 2 31 | 28°45'58 | 12♓51 | 6°51 | 13°39 | 18°46 | 17°13 | 28°40 | 21°55 | 8°28 | 1°26 | 18°44 | 19°35 | 24°31 | 8°40 | T 22 |
| W23 | 2 6 27 | 29°45'05 | 27°38 | 8°29 | 14°29 | 19°26 | 17° 6 | 28°36 | 21°58 | 8°30 | 1°28 | 18°42 | 19°32 | 24°38 | 8°37 | W23 |
| T 24 | 2 10 24 | 0♏44'15 | 12♈43 | 10° 7 | 15°19 | 20° 7 | 16°58 | 28°32 | 22° 1 | 8°31 | 1°30 | 18°40 | 19°29 | 24°45 | 8°35 | T 24 |
| F 25 | 2 14 20 | 1°43'26 | 27°56 | 11°43 | 16°10 | 20°48 | 16°50 | 28°28 | 22° 4 | 8°32 | 1°33 | 18°38 | 19°26 | 24°51 | 8°33 | F 25 |
| S 26 | 2 18 17 | 2°42'39 | 13♉ 9 | 13°19 | 17° 2 | 21°28 | 16°43 | 28°24 | 22° 8 | 8°33 | 1°35 | 18°D37 | 19°23 | 24°58 | 8°30 | S 26 |
| S 27 | 2 22 14 | 3°41'55 | 28°11 | 14°54 | 17°55 | 22° 9 | 16°36 | 28°20 | 22°11 | 8°34 | 1°38 | 18°37 | 19°19 | 25° 5 | 8°28 | S 27 |
| M28 | 2 26 10 | 4°41'12 | 12♊54 | 16°29 | 18°48 | 22°50 | 16°28 | 28°16 | 22°14 | 8°35 | 1°40 | 18°38 | 19°16 | 25°11 | 8°26 | M28 |
| T 29 | 2 30 7 | 5°40'32 | 27°13 | 18° 3 | 19°42 | 23°31 | 16°21 | 28°12 | 22°17 | 8°36 | 1°42 | 18°39 | 19°13 | 25°18 | 8°23 | T 29 |
| W30 | 2 34 3 | 6°39'54 | 11♋ 5 | 19°36 | 20°36 | 24°12 | 16°14 | 28° 8 | 22°20 | 8°38 | 1°45 | 18°40 | 19°10 | 25°25 | 8°21 | W30 |
| T 31 | 2 38 0 | 7♏39'18 | 24♋30 | 21♏ 8 | 21♍31 | 24♏53 | 16♈ 7 | 28♉ 3 | 22♍23 | 8♑39 | 1♏47 | 18♉41 | 19♉ 7 | 25♎31 | 8♊18 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 3s14 | 25n18 | 2n31 | 1n55 | 1n49 | 6n40 | 4s57 | 12s55 | 0n 7 | 6n20 | 1s34 | 17n36 | 2s26 | 4n21 | 0n45 | 21s56 | 1n 8 | 3n57 | 16n35 | 17n29 | 17n50 | 6s19 | 17n25 | 4s21 |
| W 2 | 3 37 | 26 49 | 3 31 | 1 10 | 1 49 | 6 40 | 4 47 | 13 9 | 0 7 | 6 17 | 1 34 | 17 36 | 2 26 | 4 20 | 0 45 | 21 56 | 1 8 | 3 56 | 16 34 | 17 29 | 17 49 | 6 22 | 17 24 | 4 22 |
| T 3 | 4 0 | 26 43 | 4 18 | 0 24 | 1 48 | 6 41 | 4 37 | 13 23 | 0 6 | 6 14 | 1 34 | 17 35 | 2 26 | 4 18 | 0 45 | 21 56 | 1 8 | 3 55 | 16 34 | 17 29 | 17 48 | 6 25 | 17 24 | 4 22 |
| F 4 | 4 22 | 25 9 | 4 50 | 0s22 | 1 46 | 6 40 | 4 27 | 13 36 | 0 6 | 6 11 | 1 34 | 17 35 | 2 26 | 4 17 | 0 45 | 21 56 | 1 8 | 3 54 | 16 34 | 17 29 | 17 48 | 6 28 | 17 23 | 4 22 |
| S 5 | 4 45 | 22 20 | 5 8 | 1 8 | 1 43 | 6 39 | 4 17 | 13 50 | 0 5 | 6 8 | 1 34 | 17 34 | 2 27 | 4 15 | 0 45 | 21 56 | 1 8 | 3 53 | 16 34 | 17 28 | 17 47 | 6 31 | 17 23 | 4 23 |
| S 6 | 5 8 | 18 33 | 5 10 | 1 55 | 1 41 | 6 38 | 4 7 | 14 3 | 0 4 | 6 5 | 1 34 | 17 33 | 2 27 | 4 14 | 0 45 | 21 56 | 1 8 | 3 52 | 16 34 | 17 27 | 17 46 | 6 35 | 17 22 | 4 23 |
| M 7 | 5 31 | 14 3 | 4 58 | 2 42 | 1 37 | 6 35 | 3 58 | 14 16 | 0 4 | 6 2 | 1 34 | 17 33 | 2 27 | 4 13 | 0 45 | 21 56 | 1 8 | 3 51 | 16 34 | 17 25 | 17 45 | 6 38 | 17 22 | 4 23 |
| T 8 | 5 53 | 9 4 | 4 34 | 3 28 | 1 33 | 6 32 | 3 48 | 14 30 | 0 3 | 5 59 | 1 34 | 17 32 | 2 27 | 4 11 | 0 45 | 21 56 | 1 8 | 3 50 | 16 33 | 17 23 | 17 44 | 6 41 | 17 21 | 4 24 |
| W 9 | 6 16 | 3 47 | 3 57 | 4 15 | 1 29 | 6 29 | 3 38 | 14 43 | 0 3 | 5 56 | 1 34 | 17 31 | 2 27 | 4 10 | 0 45 | 21 56 | 1 8 | 3 50 | 16 33 | 17 22 | 17 43 | 6 44 | 17 21 | 4 24 |
| T 10 | 6 38 | 1s36 | 3 10 | 5 1 | 1 24 | 6 25 | 3 29 | 14 56 | 0 2 | 5 53 | 1 34 | 17 30 | 2 27 | 4 8 | 0 45 | 21 56 | 1 8 | 3 49 | 16 33 | 17 20 | 17 43 | 6 47 | 17 20 | 4 24 |
| F 11 | 7 1 | 6 54 | 2 15 | 5 47 | 1 19 | 6 20 | 3 19 | 15 9 | 0 1 | 5 50 | 1 34 | 17 30 | 2 28 | 4 7 | 0 45 | 21 56 | 1 8 | 3 48 | 16 33 | 17 19 | 17 42 | 6 50 | 17 19 | 4 25 |
| S 12 | 7 23 | 11 58 | 1 14 | 6 32 | 1 14 | 6 14 | 3 10 | 15 21 | 0 1 | 5 47 | 1 34 | 17 29 | 2 28 | 4 6 | 0 45 | 21 56 | 1 7 | 3 47 | 16 33 | 17 19 | 17 41 | 6 54 | 17 19 | 4 25 |
| S 13 | 7 45 | 16 37 | 0 10 | 7 17 | 1 8 | 6 8 | 3 1 | 15 34 | 0 0 | 5 44 | 1 34 | 17 28 | 2 28 | 4 4 | 0 45 | 21 56 | 1 7 | 3 46 | 16 33 | 17 18 | 17 40 | 6 57 | 17 18 | 4 25 |
| M14 | 8 7 | 20 40 | 0s55 | 8 1 | 1 3 | 6 2 | 2 52 | 15 47 | 0s 0 | 5 41 | 1 34 | 17 27 | 2 28 | 4 3 | 0 45 | 21 56 | 1 7 | 3 45 | 16 33 | 17 18 | 17 39 | 7 0 | 17 18 | 4 26 |
| T 15 | 8 29 | 23 53 | 1 58 | 8 45 | 0 57 | 5 55 | 2 43 | 15 59 | 0 1 | 5 38 | 1 34 | 17 26 | 2 28 | 4 2 | 0 45 | 21 56 | 1 7 | 3 44 | 16 33 | 17 19 | 17 38 | 7 3 | 17 17 | 4 26 |
| W16 | 8 51 | 26 4 | 2 57 | 9 29 | 0 50 | 5 47 | 2 34 | 16 12 | 0 2 | 5 35 | 1 34 | 17 25 | 2 28 | 4 1 | 0 45 | 21 56 | 1 7 | 3 44 | 16 33 | 17 19 | 17 37 | 7 6 | 17 17 | 4 26 |
| T 17 | 9 12 | 27 1 | 3 49 | 10 11 | 0 44 | 5 38 | 2 25 | 16 24 | 0 2 | 5 32 | 1 34 | 17 25 | 2 28 | 3 59 | 0 45 | 21 56 | 1 7 | 3 43 | 16 33 | 17 20 | 17 37 | 7 9 | 17 16 | 4 27 |
| F 18 | 9 34 | 26 36 | 4 31 | 10 53 | 0 38 | 5 30 | 2 16 | 16 36 | 0 3 | 5 29 | 1 34 | 17 24 | 2 28 | 3 58 | 0 45 | 21 56 | 1 7 | 3 42 | 16 33 | 17 20 | 17 36 | 7 13 | 17 16 | 4 27 |
| S 19 | 9 55 | 24 43 | 5 0 | 11 35 | 0 31 | 5 20 | 2 8 | 16 48 | 0 3 | 5 26 | 1 34 | 17 23 | 2 29 | 3 57 | 0 45 | 21 56 | 1 7 | 3 41 | 16 32 | 17 20 | 17 35 | 7 16 | 17 15 | 4 27 |
| S 20 | 10 17 | 21 25 | 5 15 | 12 15 | 0 24 | 5 10 | 1 59 | 17 0 | 0 4 | 5 23 | 1 34 | 17 22 | 2 29 | 3 55 | 0 45 | 21 56 | 1 7 | 3 40 | 16 32 | 17 20 | 17 34 | 7 19 | 17 14 | 4 27 |
| M21 | 10 38 | 16 49 | 5 11 | 12 55 | 0 17 | 5 0 | 1 51 | 17 12 | 0 5 | 5 20 | 1 34 | 17 21 | 2 29 | 3 54 | 0 45 | 21 56 | 1 7 | 3 40 | 16 32 | 17 19 | 17 33 | 7 22 | 17 14 | 4 28 |
| T 22 | 10 59 | 11 8 | 4 48 | 13 34 | 0 10 | 4 49 | 1 43 | 17 24 | 0 5 | 5 17 | 1 34 | 17 20 | 2 29 | 3 53 | 0 45 | 21 56 | 1 7 | 3 39 | 16 32 | 17 19 | 17 32 | 7 25 | 17 13 | 4 28 |
| W23 | 11 20 | 4 42 | 4 6 | 14 12 | 0 4 | 4 37 | 1 35 | 17 36 | 0 6 | 5 14 | 1 34 | 17 19 | 2 29 | 3 52 | 0 45 | 21 56 | 1 7 | 3 38 | 16 32 | 17 18 | 17 31 | 7 28 | 17 13 | 4 28 |
| T 24 | 11 40 | 2n 9 | 3 6 | 14 50 | 0s 3 | 4 25 | 1 27 | 17 47 | 0 6 | 5 11 | 1 34 | 17 18 | 2 29 | 3 51 | 0 45 | 21 56 | 1 7 | 3 37 | 16 32 | 17 17 | 17 31 | 7 32 | 17 12 | 4 28 |
| F 25 | 12 1 | 8 57 | 1 52 | 15 26 | 0 10 | 4 13 | 1 19 | 17 58 | 0 7 | 5 9 | 1 33 | 17 17 | 2 29 | 3 49 | 0 45 | 21 56 | 1 7 | 3 36 | 16 32 | 17 17 | 17 30 | 7 35 | 17 11 | 4 29 |
| S 26 | 12 21 | 15 13 | 0 30 | 16 2 | 0 17 | 4 0 | 1 11 | 18 10 | 0 8 | 5 6 | 1 33 | 17 16 | 2 29 | 3 48 | 0 45 | 21 56 | 1 7 | 3 36 | 16 32 | 17 17 | 17 29 | 7 38 | 17 11 | 4 29 |
| S 27 | 12 41 | 20 30 | 0n53 | 16 37 | 0 24 | 3 46 | 1 4 | 18 21 | 0 8 | 5 3 | 1 33 | 17 15 | 2 29 | 3 47 | 0 45 | 21 56 | 1 7 | 3 35 | 16 32 | 17 17 | 17 28 | 7 41 | 17 10 | 4 29 |
| M28 | 13 1 | 24 23 | 2 11 | 17 11 | 0 31 | 3 33 | 0 57 | 18 32 | 0 9 | 5 1 | 1 33 | 17 14 | 2 29 | 3 46 | 0 45 | 21 56 | 1 7 | 3 34 | 16 32 | 17 17 | 17 27 | 7 44 | 17 9 | 4 30 |
| T 29 | 13 21 | 26 35 | 3 18 | 17 44 | 0 38 | 3 18 | 0 49 | 18 42 | 0 9 | 4 58 | 1 33 | 17 13 | 2 30 | 3 45 | 0 45 | 21 56 | 1 7 | 3 34 | 16 32 | 17 17 | 17 26 | 7 47 | 17 9 | 4 30 |
| W30 | 13 40 | 27 2 | 4 12 | 18 16 | 0 45 | 3 3 | 0 42 | 18 53 | 0 10 | 4 55 | 1 33 | 17 12 | 2 30 | 3 43 | 0 45 | 21 56 | 1 7 | 3 33 | 16 33 | 17 17 | 17 25 | 7 51 | 17 8 | 4 30 |
| T 31 | 14s 0 | 25n51 | 4n50 | 18s47 | 0s52 | 2n48 | 0s35 | 19s 4 | 0s11 | 4n53 | 1s33 | 17n11 | 2s30 | 3n42 | 0n45 | 21s56 | 1n 7 | 3n32 | 16n33 | 17n18 | 17n25 | 7s54 | 17n 8 | 4s30 |

Julian Day Number = 2806468.5, Delta T = 51m51s
Ecliptic obliquity = 23°18'54, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°20'34, Lahiri = 37°27'35


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# ASTRODIENST EPHEMERIS for the year 2971
# geocentric

## NOVEMBER 2971 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 2 41 56 | 8♏38'45 | 7♌31 | 22♏40 | 22♍27 | 25♏34 | 16°R 0 | 27°R59 | 22♍25 | 8♑40 | 1♏49 | 18°R41 | 19♉ 4 | 25♎38 | 8°R15 | F 1 |
| S 2 | 2 45 53 | 9°38'14 | 20°10 | 24°11 | 23°23 | 26°15 | 15♈54 | 27♉54 | 22°28 | 8°42 | 1°52 | 18♉41 | 19° 0 | 25°45 | 8♊13 | S 2 |
| S 3 | 2 49 49 | 10°37'45 | 2♍31 | 25°41 | 24°20 | 26°57 | 15°47 | 27°50 | 22°31 | 8°43 | 1°54 | 18°40 | 18°57 | 25°51 | 8°10 | S 3 |
| M 4 | 2 53 46 | 11°37'18 | 14°39 | 27°11 | 25°18 | 27°38 | 15°41 | 27°45 | 22°34 | 8°44 | 1°56 | 18°40 | 18°54 | 25°58 | 8° 7 | M 4 |
| T 5 | 2 57 43 | 12°36'53 | 26°36 | 28°40 | 26°16 | 28°19 | 15°34 | 27°41 | 22°37 | 8°46 | 1°59 | 18°39 | 18°51 | 26° 5 | 8° 5 | T 5 |
| W 6 | 3 1 39 | 13°36'31 | 8♎28 | 0♐ 9 | 27°14 | 29° 1 | 15°28 | 27°36 | 22°39 | 8°47 | 2° 1 | 18°38 | 18°48 | 26°11 | 8° 2 | W 6 |
| T 7 | 3 5 36 | 14°36'10 | 20°16 | 1°37 | 28°13 | 29°42 | 15°22 | 27°32 | 22°42 | 8°49 | 2° 4 | 18°37 | 18°44 | 26°18 | 7°59 | T 7 |
| F 8 | 3 9 32 | 15°35'52 | 2♏ 4 | 3° 4 | 29°12 | 0♐24 | 15°16 | 27°27 | 22°45 | 8°50 | 2° 6 | 18°37 | 18°41 | 26°25 | 7°56 | F 8 |
| S 9 | 3 13 29 | 16°35'36 | 13°54 | 4°30 | 0♎12 | 1° 5 | 15°10 | 27°22 | 22°47 | 8°52 | 2° 8 | 18°D37 | 18°38 | 26°31 | 7°54 | S 9 |
| S 10 | 3 17 25 | 17°35'21 | 25°48 | 5°56 | 1°12 | 1°47 | 15° 5 | 27°18 | 22°50 | 8°53 | 2°10 | 18°37 | 18°35 | 26°38 | 7°51 | S 10 |
| M11 | 3 21 22 | 18°35'09 | 7♐49 | 7°21 | 2°13 | 2°29 | 14°59 | 27°13 | 22°52 | 8°55 | 2°13 | 18°R37 | 18°32 | 26°45 | 7°48 | M11 |
| T 12 | 3 25 18 | 19°34'58 | 19°58 | 8°45 | 3°14 | 3°10 | 14°54 | 27° 8 | 22°55 | 8°57 | 2°15 | 18°37 | 18°29 | 26°51 | 7°45 | T 12 |
| W13 | 3 29 15 | 20°34'49 | 2♑17 | 10° 9 | 4°16 | 3°52 | 14°49 | 27° 3 | 22°57 | 8°58 | 2°17 | 18°37 | 18°25 | 26°58 | 7°42 | W13 |
| T 14 | 3 33 12 | 21°34'42 | 14°49 | 11°31 | 5°18 | 4°34 | 14°44 | 26°59 | 23° 0 | 9° 0 | 2°20 | 18°36 | 18°22 | 27° 5 | 7°39 | T 14 |
| F 15 | 3 37 8 | 22°34'37 | 27°36 | 12°53 | 6°20 | 5°16 | 14°39 | 26°54 | 23° 2 | 9° 2 | 2°22 | 18°36 | 18°19 | 27°11 | 7°36 | F 15 |
| S 16 | 3 41 5 | 23°34'33 | 10♒41 | 14°14 | 7°22 | 5°58 | 14°34 | 26°49 | 23° 4 | 9° 3 | 2°24 | 18°36 | 18°16 | 27°18 | 7°33 | S 16 |
| S 17 | 3 45 1 | 24°34'31 | 24° 5 | 15°33 | 8°25 | 6°40 | 14°30 | 26°44 | 23° 7 | 9° 5 | 2°26 | 18°D36 | 18°13 | 27°25 | 7°30 | S 17 |
| M18 | 3 48 58 | 25°34'30 | 7♓51 | 16°52 | 9°29 | 7°22 | 14°26 | 26°39 | 23° 9 | 9° 7 | 2°29 | 18°36 | 18°10 | 27°31 | 7°27 | M18 |
| T 19 | 3 52 54 | 26°34'31 | 21°59 | 18° 9 | 10°32 | 8° 4 | 14°22 | 26°35 | 23°11 | 9° 9 | 2°31 | 18°36 | 18° 6 | 27°38 | 7°24 | T 19 |
| W20 | 3 56 51 | 27°34'33 | 6♈27 | 19°25 | 11°36 | 8°46 | 14°18 | 26°30 | 23°13 | 9°10 | 2°33 | 18°37 | 18° 3 | 27°44 | 7°21 | W20 |
| T 21 | 4 0 47 | 28°34'37 | 21°13 | 20°39 | 12°40 | 9°29 | 14°14 | 26°25 | 23°15 | 9°12 | 2°35 | 18°38 | 18° 0 | 27°51 | 7°17 | T 21 |
| F 22 | 4 4 44 | 29°34'42 | 6♉10 | 21°52 | 13°45 | 10°11 | 14°11 | 26°20 | 23°17 | 9°14 | 2°37 | 18°38 | 17°57 | 27°58 | 7°14 | F 22 |
| S 23 | 4 8 41 | 0♐34'49 | 21°11 | 23° 3 | 14°50 | 10°53 | 14° 7 | 26°15 | 23°19 | 9°16 | 2°40 | 18°R39 | 17°54 | 28° 4 | 7°11 | S 23 |
| S 24 | 4 12 37 | 1°34'58 | 6♊ 9 | 24°11 | 15°55 | 11°36 | 14° 4 | 26°11 | 23°21 | 9°18 | 2°42 | 18°38 | 17°50 | 28°11 | 7° 8 | S 24 |
| M25 | 4 16 34 | 2°35'09 | 20°53 | 25°17 | 17° 0 | 12°18 | 14° 1 | 26° 6 | 23°23 | 9°20 | 2°44 | 18°37 | 17°47 | 28°18 | 7° 5 | M25 |
| T 26 | 4 20 30 | 3°35'21 | 5♋18 | 26°21 | 18° 6 | 13° 1 | 13°59 | 26° 1 | 23°25 | 9°21 | 2°46 | 18°35 | 17°44 | 28°24 | 7° 2 | T 26 |
| W27 | 4 24 27 | 4°35'35 | 19°19 | 27°21 | 19°12 | 13°43 | 13°56 | 25°56 | 23°27 | 9°23 | 2°48 | 18°33 | 17°41 | 28°31 | 6°59 | W27 |
| T 28 | 4 28 23 | 5°35'52 | 2♌53 | 28°19 | 20°18 | 14°26 | 13°54 | 25°52 | 23°28 | 9°25 | 2°50 | 18°31 | 17°38 | 28°38 | 6°56 | T 28 |
| F 29 | 4 32 20 | 6°36'10 | 16° 1 | 29°12 | 21°25 | 15° 8 | 13°52 | 25°47 | 23°30 | 9°27 | 2°52 | 18°29 | 17°35 | 28°44 | 6°52 | F 29 |
| S 30 | 4 36 16 | 7♐36'29 | 28♌45 | 0♑ 1 | 22♎31 | 15♐51 | 13♈50 | 25♉42 | 23♍32 | 9♑29 | 2♏54 | 18♉28 | 17♉31 | 28♎51 | 6♊49 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14s19 | 23n19 | 5n11 | 19s17 | 0s59 | 2n33 | 0s28 | 19s14 | 0s11 | 4n50 | 1s33 | 17n10 | 2s30 | 3n41 | 0n45 | 21s55 | 1n 7 | 3n31 | 16n33 | 17n18 | 17n24 | 7s57 | 17n 7 | 4s30 |
| S 2 | 14 37 | 19 42 | 5 17 | 19 47 | 1 6 | 2 17 | 0 22 | 19 24 | 0 12 | 4 48 | 1 32 | 17 9 | 2 30 | 3 40 | 0 45 | 21 55 | 1 7 | 3 31 | 16 33 | 17 18 | 17 23 | 8 0 | 17 6 | 4 31 |
| S 3 | 14 56 | 15 19 | 5 8 | 20 15 | 1 12 | 2 0 | 0 15 | 19 34 | 0 12 | 4 46 | 1 32 | 17 8 | 2 30 | 3 39 | 0 45 | 21 55 | 1 7 | 3 30 | 16 33 | 17 17 | 17 22 | 8 3 | 17 6 | 4 31 |
| M 4 | 15 14 | 10 24 | 4 45 | 20 42 | 1 19 | 1 44 | 0 9 | 19 44 | 0 13 | 4 43 | 1 32 | 17 7 | 2 30 | 3 38 | 0 46 | 21 55 | 1 7 | 3 29 | 16 33 | 17 17 | 17 21 | 8 6 | 17 5 | 4 31 |
| T 5 | 15 33 | 5 11 | 4 10 | 21 9 | 1 25 | 1 27 | 0 2 | 19 54 | 0 14 | 4 41 | 1 32 | 17 6 | 2 30 | 3 37 | 0 46 | 21 55 | 1 6 | 3 29 | 16 33 | 17 17 | 17 20 | 8 9 | 17 4 | 4 31 |
| W 6 | 15 51 | 0s12 | 3 25 | 21 34 | 1 31 | 1 9 | 0n 4 | 20 4 | 0 14 | 4 39 | 1 32 | 17 5 | 2 30 | 3 36 | 0 46 | 21 55 | 1 6 | 3 28 | 16 33 | 17 17 | 17 19 | 8 13 | 17 4 | 4 32 |
| T 7 | 16 8 | 5 33 | 2 31 | 21 58 | 1 37 | 0 51 | 0 10 | 20 13 | 0 15 | 4 37 | 1 32 | 17 4 | 2 30 | 3 35 | 0 46 | 21 55 | 1 6 | 3 27 | 16 33 | 17 17 | 17 19 | 8 16 | 17 3 | 4 32 |
| F 8 | 16 26 | 10 42 | 1 31 | 22 21 | 1 43 | 0 33 | 0 16 | 20 23 | 0 15 | 4 35 | 1 31 | 17 3 | 2 30 | 3 34 | 0 46 | 21 55 | 1 6 | 3 27 | 16 33 | 17 17 | 17 18 | 8 19 | 17 3 | 4 32 |
| S 9 | 16 43 | 15 31 | 0 26 | 22 43 | 1 49 | 0 15 | 0 21 | 20 32 | 0 16 | 4 32 | 1 31 | 17 2 | 2 30 | 3 33 | 0 46 | 21 55 | 1 6 | 3 26 | 16 34 | 17 16 | 17 17 | 8 22 | 17 2 | 4 32 |
| S 10 | 16 59 | 19 45 | 0s40 | 23 4 | 1 55 | 0s 4 | 0 27 | 20 41 | 0 16 | 4 31 | 1 31 | 17 1 | 2 30 | 3 32 | 0 46 | 21 55 | 1 6 | 3 26 | 16 34 | 17 16 | 17 16 | 8 25 | 17 1 | 4 32 |
| M11 | 17 16 | 23 13 | 1 45 | 23 24 | 2 0 | 0 23 | 0 32 | 20 50 | 0 17 | 4 29 | 1 31 | 17 0 | 2 30 | 3 31 | 0 46 | 21 55 | 1 6 | 3 25 | 16 34 | 17 16 | 17 15 | 8 28 | 17 1 | 4 33 |
| T 12 | 17 32 | 25 41 | 2 46 | 23 42 | 2 5 | 0 42 | 0 38 | 20 58 | 0 18 | 4 27 | 1 31 | 16 59 | 2 30 | 3 30 | 0 46 | 21 55 | 1 6 | 3 24 | 16 34 | 17 16 | 17 14 | 8 31 | 17 0 | 4 33 |
| W13 | 17 48 | 26 57 | 3 40 | 24 0 | 2 10 | 1 2 | 0 43 | 21 7 | 0 18 | 4 25 | 1 30 | 16 58 | 2 30 | 3 29 | 0 46 | 21 55 | 1 6 | 3 24 | 16 34 | 17 16 | 17 13 | 8 35 | 16 59 | 4 33 |
| T 14 | 18 4 | 26 52 | 4 24 | 24 16 | 2 15 | 1 22 | 0 48 | 21 15 | 0 19 | 4 23 | 1 30 | 16 57 | 2 30 | 3 28 | 0 46 | 21 55 | 1 6 | 3 23 | 16 34 | 17 16 | 17 12 | 8 38 | 16 59 | 4 33 |
| F 15 | 18 19 | 25 23 | 4 57 | 24 32 | 2 19 | 1 42 | 0 53 | 21 23 | 0 19 | 4 22 | 1 30 | 16 56 | 2 30 | 3 27 | 0 46 | 21 55 | 1 6 | 3 23 | 16 35 | 17 16 | 17 12 | 8 41 | 16 58 | 4 33 |
| S 16 | 18 34 | 22 30 | 5 15 | 24 46 | 2 23 | 2 2 | 0 58 | 21 31 | 0 20 | 4 20 | 1 30 | 16 55 | 2 30 | 3 26 | 0 46 | 21 55 | 1 6 | 3 22 | 16 35 | 17 16 | 17 11 | 8 44 | 16 57 | 4 33 |
| S 17 | 18 49 | 18 23 | 5 16 | 24 58 | 2 27 | 2 22 | 1 2 | 21 39 | 0 20 | 4 19 | 1 30 | 16 54 | 2 30 | 3 26 | 0 46 | 21 54 | 1 6 | 3 22 | 16 35 | 17 16 | 17 10 | 8 47 | 16 57 | 4 34 |
| M18 | 19 3 | 13 13 | 5 0 | 25 10 | 2 31 | 2 43 | 1 7 | 21 46 | 0 21 | 4 17 | 1 29 | 16 53 | 2 30 | 3 25 | 0 46 | 21 54 | 1 6 | 3 21 | 16 35 | 17 16 | 17 9 | 8 50 | 16 56 | 4 34 |
| T 19 | 19 17 | 7 14 | 4 25 | 25 20 | 2 34 | 3 4 | 1 11 | 21 54 | 0 22 | 4 16 | 1 29 | 16 52 | 2 30 | 3 24 | 0 46 | 21 54 | 1 6 | 3 21 | 16 35 | 17 16 | 17 8 | 8 53 | 16 56 | 4 34 |
| W20 | 19 31 | 0 43 | 3 33 | 25 30 | 2 36 | 3 25 | 1 15 | 22 1 | 0 22 | 4 15 | 1 29 | 16 50 | 2 30 | 3 23 | 0 46 | 21 54 | 1 6 | 3 20 | 16 36 | 17 16 | 17 7 | 8 57 | 16 55 | 4 34 |
| T 21 | 19 44 | 5n58 | 2 26 | 25 37 | 2 39 | 3 46 | 1 19 | 22 8 | 0 23 | 4 13 | 1 29 | 16 49 | 2 30 | 3 22 | 0 46 | 21 54 | 1 6 | 3 20 | 16 36 | 17 17 | 17 6 | 9 0 | 16 54 | 4 34 |
| F 22 | 19 57 | 12 26 | 1 9 | 25 44 | 2 40 | 4 7 | 1 23 | 22 15 | 0 23 | 4 12 | 1 28 | 16 48 | 2 30 | 3 22 | 0 46 | 21 54 | 1 6 | 3 19 | 16 36 | 17 17 | 17 5 | 9 3 | 16 54 | 4 34 |
| S 23 | 20 10 | 18 11 | 0n14 | 25 49 | 2 42 | 4 29 | 1 27 | 22 21 | 0 24 | 4 11 | 1 28 | 16 47 | 2 30 | 3 21 | 0 46 | 21 54 | 1 6 | 3 19 | 16 36 | 17 17 | 17 5 | 9 6 | 16 53 | 4 34 |
| S 24 | 20 22 | 22 47 | 1 36 | 25 54 | 2 42 | 4 50 | 1 31 | 22 28 | 0 24 | 4 10 | 1 28 | 16 46 | 2 29 | 3 20 | 0 46 | 21 54 | 1 6 | 3 18 | 16 37 | 17 17 | 17 4 | 9 9 | 16 52 | 4 35 |
| M25 | 20 34 | 25 49 | 2 49 | 25 56 | 2 43 | 5 12 | 1 34 | 22 34 | 0 25 | 4 9 | 1 28 | 16 45 | 2 29 | 3 19 | 0 46 | 21 54 | 1 6 | 3 18 | 16 37 | 17 16 | 17 3 | 9 12 | 16 52 | 4 35 |
| T 26 | 20 46 | 27 3 | 3 51 | 25 58 | 2 42 | 5 34 | 1 37 | 22 40 | 0 25 | 4 8 | 1 27 | 16 44 | 2 29 | 3 19 | 0 46 | 21 54 | 1 6 | 3 17 | 16 37 | 17 16 | 17 2 | 9 15 | 16 51 | 4 35 |
| W27 | 20 57 | 26 29 | 4 36 | 25 58 | 2 41 | 5 55 | 1 41 | 22 45 | 0 26 | 4 8 | 1 27 | 16 43 | 2 29 | 3 18 | 0 46 | 21 53 | 1 6 | 3 17 | 16 38 | 17 15 | 17 1 | 9 18 | 16 51 | 4 35 |
| T 28 | 21 8 | 24 21 | 5 5 | 25 57 | 2 39 | 6 17 | 1 44 | 22 51 | 0 27 | 4 7 | 1 27 | 16 42 | 2 29 | 3 17 | 0 46 | 21 53 | 1 6 | 3 17 | 16 38 | 17 15 | 17 0 | 9 22 | 16 50 | 4 35 |
| F 29 | 21 18 | 20 58 | 5 16 | 25 55 | 2 36 | 6 39 | 1 47 | 22 56 | 0 27 | 4 7 | 1 27 | 16 41 | 2 29 | 3 17 | 0 46 | 21 53 | 1 6 | 3 16 | 16 38 | 17 14 | 16 59 | 9 25 | 16 49 | 4 35 |
| S 30 | 21s28 | 16n43 | 5n11 | 25s52 | 2s33 | 7s 1 | 1n50 | 23s 2 | 0s28 | 4n 6 | 1s26 | 16n40 | 2s29 | 3n16 | 0n46 | 21s53 | 1n 6 | 3n16 | 16n38 | 17n14 | 16n58 | 9s28 | 16n49 | 4s35 |

Julian Day Number = 2806499.5, Delta T = 51m51s
Ecliptic obliquity = 23°18'54, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°20'39, Lahiri = 37°27'39


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# ASTRODIENST EPHEMERIS for the year 2971
# geocentric

## DECEMBER 2971 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 40 13 | 8♐36'51 | 11♍ 8 | 0♑45 | 23♎38 | 16♐34 | 13°R48 | 25°R38 | 23♍33 | 9♑31 | 2♏56 | 18°D28 | 17♉28 | 28♎58 | 6°R46 | S 1 |
| M 2 | 4 44 10 | 9°37'15 | 23°14 | 1°24 | 24°46 | 17°17 | 13♈46 | 25♉33 | 23°35 | 9°33 | 2°58 | 18♉28 | 17°25 | 29° 4 | 6♊43 | M 2 |
| T 3 | 4 48 6 | 10°37'40 | 5♎10 | 1°57 | 25°53 | 18° 0 | 13°45 | 25°28 | 23°36 | 9°35 | 3° 0 | 18°30 | 17°22 | 29°11 | 6°40 | T 3 |
| W 4 | 4 52 3 | 11°38'07 | 16°59 | 2°23 | 27° 1 | 18°43 | 13°44 | 25°24 | 23°38 | 9°37 | 3° 2 | 18°31 | 17°19 | 29°18 | 6°37 | W 4 |
| T 5 | 4 55 59 | 12°38'36 | 28°46 | 2°42 | 28° 9 | 19°26 | 13°43 | 25°19 | 23°39 | 9°39 | 3° 4 | 18°33 | 17°15 | 29°24 | 6°33 | T 5 |
| F 6 | 4 59 56 | 13°39'07 | 10♏35 | 2°53 | 29°17 | 20° 9 | 13°42 | 25°15 | 23°40 | 9°41 | 3° 6 | 18°34 | 17°12 | 29°31 | 6°30 | F 6 |
| S 7 | 5 3 52 | 14°39'39 | 22°30 | 2°R54 | 0♏25 | 20°52 | 13°42 | 25°10 | 23°42 | 9°44 | 3° 8 | 18°R34 | 17° 9 | 29°38 | 6°27 | S 7 |
| S 8 | 5 7 49 | 15°40'13 | 4♐33 | 2°46 | 1°33 | 21°35 | 13°42 | 25° 6 | 23°43 | 9°46 | 3°10 | 18°33 | 17° 6 | 29°44 | 6°24 | S 8 |
| M 9 | 5 11 45 | 16°40'49 | 16°46 | 2°27 | 2°42 | 22°18 | 13°D42 | 25° 2 | 23°44 | 9°48 | 3°12 | 18°31 | 17° 3 | 29°51 | 6°21 | M 9 |
| T 10 | 5 15 42 | 17°41'25 | 29°11 | 1°58 | 3°51 | 23° 2 | 13°42 | 24°57 | 23°45 | 9°50 | 3°14 | 18°27 | 17° 0 | 29°58 | 6°18 | T 10 |
| W11 | 5 19 39 | 18°42'04 | 11♑48 | 1°18 | 5° 0 | 23°45 | 13°42 | 24°53 | 23°46 | 9°52 | 3°16 | 18°22 | 16°56 | 0♏ 4 | 6°15 | W11 |
| T 12 | 5 23 35 | 19°42'43 | 24°38 | 0°28 | 6° 9 | 24°28 | 13°43 | 24°49 | 23°47 | 9°54 | 3°17 | 18°16 | 16°53 | 0°11 | 6°12 | T 12 |
| F 13 | 5 27 32 | 20°43'24 | 7♒41 | 29♐27 | 7°18 | 25°12 | 13°43 | 24°45 | 23°48 | 9°56 | 3°19 | 18°11 | 16°50 | 0°18 | 6° 9 | F 13 |
| S 14 | 5 31 28 | 21°44'05 | 20°58 | 28°18 | 8°27 | 25°55 | 13°44 | 24°41 | 23°49 | 9°59 | 3°21 | 18° 7 | 16°47 | 0°24 | 6° 6 | S 14 |
| S 15 | 5 35 25 | 22°44'48 | 4♓28 | 27° 2 | 9°37 | 26°39 | 13°46 | 24°37 | 23°50 | 10° 1 | 3°23 | 18° 3 | 16°44 | 0°31 | 6° 3 | S 15 |
| M16 | 5 39 21 | 23°45'31 | 18°11 | 25°42 | 10°47 | 27°22 | 13°47 | 24°33 | 23°51 | 10° 3 | 3°24 | 18°D 2 | 16°41 | 0°37 | 6° 0 | M16 |
| T 17 | 5 43 18 | 24°46'16 | 2♈ 8 | 24°19 | 11°57 | 28° 6 | 13°49 | 24°29 | 23°51 | 10° 5 | 3°26 | 18° 2 | 16°37 | 0°44 | 5°57 | T 17 |
| W18 | 5 47 15 | 25°47'01 | 16°18 | 22°57 | 13° 7 | 28°50 | 13°50 | 24°26 | 23°52 | 10° 7 | 3°28 | 18° 3 | 16°34 | 0°51 | 5°54 | W18 |
| T 19 | 5 51 11 | 26°47'47 | 0♉40 | 21°39 | 14°17 | 29°34 | 13°52 | 24°22 | 23°53 | 10° 9 | 3°29 | 18° 5 | 16°31 | 0°57 | 5°51 | T 19 |
| F 20 | 5 55 8 | 27°48'34 | 15°12 | 20°26 | 15°27 | 0♑17 | 13°55 | 24°18 | 23°53 | 10°12 | 3°31 | 18°R 6 | 16°28 | 1° 4 | 5°48 | F 20 |
| S 21 | 5 59 4 | 28°49'22 | 29°48 | 19°22 | 16°38 | 1° 1 | 13°57 | 24°15 | 23°54 | 10°14 | 3°32 | 18° 5 | 16°25 | 1°11 | 5°45 | S 21 |
| S 22 | 6 3 1 | 29°50'11 | 14♊25 | 18°27 | 17°48 | 1°45 | 14° 0 | 24°11 | 23°54 | 10°16 | 3°34 | 18° 3 | 16°22 | 1°17 | 5°42 | S 22 |
| M23 | 6 6 57 | 0♑51'01 | 28°54 | 17°44 | 18°59 | 2°29 | 14° 2 | 24° 8 | 23°55 | 10°18 | 3°36 | 17°58 | 16°18 | 1°24 | 5°39 | M23 |
| T 24 | 6 10 54 | 1°51'52 | 13♋11 | 17°11 | 20°10 | 3°13 | 14° 5 | 24° 5 | 23°55 | 10°21 | 3°37 | 17°51 | 16°15 | 1°31 | 5°37 | T 24 |
| W25 | 6 14 50 | 2°52'44 | 27° 9 | 16°50 | 21°21 | 3°57 | 14° 9 | 24° 1 | 23°55 | 10°23 | 3°39 | 17°44 | 16°12 | 1°37 | 5°34 | W25 |
| T 26 | 6 18 47 | 3°53'37 | 10♌44 | 16°D40 | 22°32 | 4°41 | 14°12 | 23°58 | 23°55 | 10°25 | 3°40 | 17°36 | 16° 9 | 1°44 | 5°31 | T 26 |
| F 27 | 6 22 44 | 4°54'31 | 23°55 | 16°40 | 23°43 | 5°26 | 14°16 | 23°55 | 23°56 | 10°27 | 3°41 | 17°28 | 16° 6 | 1°51 | 5°29 | F 27 |
| S 28 | 6 26 40 | 5°55'26 | 6♍43 | 16°51 | 24°54 | 6°10 | 14°19 | 23°52 | 23°56 | 10°30 | 3°43 | 17°23 | 16° 2 | 1°57 | 5°26 | S 28 |
| S 29 | 6 30 37 | 6°56'22 | 19° 9 | 17°10 | 26° 6 | 6°54 | 14°23 | 23°49 | 23°R56 | 10°32 | 3°44 | 17°19 | 15°59 | 2° 4 | 5°23 | S 29 |
| M30 | 6 34 33 | 7°57'19 | 1♎18 | 17°37 | 27°17 | 7°38 | 14°28 | 23°47 | 23°56 | 10°34 | 3°45 | 17°17 | 15°56 | 2°11 | 5°21 | M30 |
| T 31 | 6 38 30 | 8♑58'17 | 13♎14 | 18♐12 | 28♏29 | 8♑23 | 14♈32 | 23♉44 | 23♍56 | 10♑36 | 3♏47 | 17°D16 | 15♉53 | 2♏17 | 5♊18 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s37 | 11n51 | 4n52 | 25s47 | 2s28 | 7s23 | 1n52 | 23s 6 | 0s28 | 4n 6 | 1s26 | 16n39 | 2s29 | 3n16 | 0n47 | 21s53 | 1n 6 | 3n16 | 16n39 | 17n14 | 16n57 | 9s31 | 16n48 | 4s35 |
| M 2 | 21 47 | 6 39 | 4 20 | 25 41 | 2 23 | 7 45 | 1 55 | 23 11 | 0 29 | 4 5 | 1 26 | 16 38 | 2 29 | 3 15 | 0 47 | 21 53 | 1 6 | 3 15 | 16 39 | 17 14 | 16 57 | 9 34 | 16 48 | 4 35 |
| T 3 | 21 55 | 1 17 | 3 37 | 25 34 | 2 16 | 8 7 | 1 57 | 23 16 | 0 29 | 4 5 | 1 26 | 16 37 | 2 29 | 3 14 | 0 47 | 21 53 | 1 6 | 3 15 | 16 39 | 17 14 | 16 56 | 9 37 | 16 47 | 4 35 |
| W 4 | 22 4 | 4s 5 | 2 46 | 25 26 | 2 8 | 8 30 | 2 0 | 23 20 | 0 30 | 4 5 | 1 25 | 16 36 | 2 28 | 3 14 | 0 47 | 21 53 | 1 6 | 3 15 | 16 40 | 17 15 | 16 55 | 9 40 | 16 46 | 4 35 |
| T 5 | 22 12 | 9 19 | 1 47 | 25 16 | 1 59 | 8 52 | 2 2 | 23 24 | 0 30 | 4 5 | 1 25 | 16 36 | 2 28 | 3 13 | 0 47 | 21 53 | 1 6 | 3 14 | 16 40 | 17 15 | 16 54 | 9 43 | 16 46 | 4 35 |
| F 6 | 22 19 | 14 14 | 0 44 | 25 6 | 1 49 | 9 14 | 2 4 | 23 28 | 0 31 | 4 5 | 1 25 | 16 35 | 2 28 | 3 13 | 0 47 | 21 52 | 1 6 | 3 14 | 16 41 | 17 16 | 16 53 | 9 47 | 16 45 | 4 36 |
| S 7 | 22 26 | 18 39 | 0s22 | 24 54 | 1 37 | 9 35 | 2 6 | 23 31 | 0 31 | 4 5 | 1 24 | 16 34 | 2 28 | 3 12 | 0 47 | 21 52 | 1 5 | 3 14 | 16 41 | 17 16 | 16 52 | 9 50 | 16 45 | 4 36 |
| S 8 | 22 33 | 22 22 | 1 27 | 24 40 | 1 23 | 9 57 | 2 8 | 23 35 | 0 32 | 4 5 | 1 24 | 16 33 | 2 28 | 3 12 | 0 47 | 21 52 | 1 5 | 3 14 | 16 41 | 17 15 | 16 51 | 9 53 | 16 44 | 4 36 |
| M 9 | 22 39 | 25 8 | 2 29 | 24 26 | 1 8 | 10 19 | 2 9 | 23 38 | 0 32 | 4 5 | 1 24 | 16 32 | 2 28 | 3 12 | 0 47 | 21 52 | 1 5 | 3 13 | 16 42 | 17 15 | 16 50 | 9 56 | 16 44 | 4 36 |
| T 10 | 22 45 | 26 43 | 3 24 | 24 10 | 0 52 | 10 41 | 2 11 | 23 41 | 0 33 | 4 5 | 1 24 | 16 31 | 2 28 | 3 11 | 0 47 | 21 52 | 1 5 | 3 13 | 16 42 | 17 14 | 16 49 | 9 59 | 16 43 | 4 36 |
| W11 | 22 50 | 26 58 | 4 11 | 23 53 | 0 34 | 11 2 | 2 12 | 23 44 | 0 34 | 4 6 | 1 23 | 16 30 | 2 27 | 3 11 | 0 47 | 21 52 | 1 5 | 3 13 | 16 42 | 17 12 | 16 49 | 10 2 | 16 43 | 4 36 |
| T 12 | 22 55 | 25 46 | 4 46 | 23 34 | 0 16 | 11 24 | 2 14 | 23 46 | 0 34 | 4 6 | 1 23 | 16 29 | 2 27 | 3 10 | 0 47 | 21 52 | 1 5 | 3 13 | 16 43 | 17 11 | 16 48 | 10 5 | 16 42 | 4 36 |
| F 13 | 23 0 | 23 11 | 5 7 | 23 15 | 0n 4 | 11 45 | 2 15 | 23 48 | 0 35 | 4 7 | 1 23 | 16 29 | 2 27 | 3 10 | 0 47 | 21 52 | 1 5 | 3 13 | 16 43 | 17 9 | 16 47 | 10 8 | 16 42 | 4 36 |
| S 14 | 23 4 | 19 21 | 5 12 | 22 54 | 0 24 | 12 6 | 2 16 | 23 50 | 0 35 | 4 8 | 1 22 | 16 28 | 2 27 | 3 10 | 0 47 | 21 51 | 1 5 | 3 12 | 16 44 | 17 8 | 16 46 | 10 11 | 16 41 | 4 36 |
| S 15 | 23 7 | 14 28 | 4 59 | 22 32 | 0 45 | 12 27 | 2 17 | 23 52 | 0 36 | 4 8 | 1 22 | 16 27 | 2 27 | 3 10 | 0 47 | 21 51 | 1 5 | 3 12 | 16 44 | 17 7 | 16 45 | 10 15 | 16 41 | 4 36 |
| M16 | 23 10 | 8 48 | 4 30 | 22 10 | 1 5 | 12 48 | 2 18 | 23 53 | 0 36 | 4 9 | 1 22 | 16 26 | 2 27 | 3 9 | 0 47 | 21 51 | 1 5 | 3 12 | 16 45 | 17 7 | 16 44 | 10 18 | 16 40 | 4 36 |
| T 17 | 23 13 | 2 35 | 3 44 | 21 48 | 1 24 | 13 9 | 2 18 | 23 55 | 0 37 | 4 10 | 1 22 | 16 26 | 2 26 | 3 9 | 0 47 | 21 51 | 1 5 | 3 12 | 16 45 | 17 7 | 16 43 | 10 21 | 16 40 | 4 36 |
| W18 | 23 15 | 3n51 | 2 44 | 21 26 | 1 41 | 13 29 | 2 19 | 23 56 | 0 37 | 4 11 | 1 21 | 16 25 | 2 26 | 3 9 | 0 47 | 21 51 | 1 5 | 3 12 | 16 45 | 17 7 | 16 42 | 10 24 | 16 39 | 4 36 |
| T 19 | 23 17 | 10 11 | 1 33 | 21 6 | 1 58 | 13 49 | 2 19 | 23 56 | 0 38 | 4 12 | 1 21 | 16 24 | 2 26 | 3 9 | 0 47 | 21 51 | 1 5 | 3 12 | 16 46 | 17 8 | 16 41 | 10 27 | 16 39 | 4 36 |
| F 20 | 23 18 | 16 3 | 0 16 | 20 47 | 2 12 | 14 9 | 2 20 | 23 57 | 0 38 | 4 13 | 1 21 | 16 24 | 2 26 | 3 8 | 0 47 | 21 50 | 1 5 | 3 12 | 16 46 | 17 8 | 16 40 | 10 30 | 16 38 | 4 36 |
| S 21 | 23 19 | 21 2 | 1n 3 | 20 31 | 2 23 | 14 29 | 2 20 | 23 57 | 0 39 | 4 14 | 1 21 | 16 23 | 2 26 | 3 8 | 0 47 | 21 50 | 1 5 | 3 12 | 16 47 | 17 8 | 16 40 | 10 33 | 16 38 | 4 36 |
| S 22 | 23 19 | 24 42 | 2 18 | 20 17 | 2 33 | 14 48 | 2 20 | 23 57 | 0 39 | 4 15 | 1 20 | 16 22 | 2 25 | 3 8 | 0 47 | 21 50 | 1 5 | 3 12 | 16 47 | 17 7 | 16 39 | 10 36 | 16 37 | 4 36 |
| M23 | 23 19 | 26 42 | 3 23 | 20 6 | 2 40 | 15 8 | 2 20 | 23 57 | 0 40 | 4 17 | 1 20 | 16 22 | 2 25 | 3 8 | 0 47 | 21 50 | 1 5 | 3 12 | 16 48 | 17 6 | 16 38 | 10 39 | 16 37 | 4 35 |
| T 24 | 23 18 | 26 53 | 4 14 | 19 58 | 2 45 | 15 27 | 2 20 | 23 57 | 0 40 | 4 18 | 1 20 | 16 21 | 2 25 | 3 8 | 0 48 | 21 50 | 1 5 | 3 12 | 16 48 | 17 4 | 16 37 | 10 42 | 16 36 | 4 35 |
| W25 | 23 17 | 25 20 | 4 49 | 19 53 | 2 48 | 15 45 | 2 20 | 23 56 | 0 41 | 4 20 | 1 19 | 16 21 | 2 25 | 3 8 | 0 48 | 21 50 | 1 5 | 3 12 | 16 49 | 17 2 | 16 36 | 10 45 | 16 36 | 4 35 |
| T 26 | 23 15 | 22 21 | 5 6 | 19 51 | 2 49 | 16 3 | 2 19 | 23 55 | 0 41 | 4 21 | 1 19 | 16 20 | 2 24 | 3 8 | 0 48 | 21 50 | 1 5 | 3 12 | 16 49 | 17 0 | 16 35 | 10 49 | 16 36 | 4 35 |
| F 27 | 23 13 | 18 18 | 5 6 | 19 51 | 2 48 | 16 21 | 2 19 | 23 54 | 0 42 | 4 23 | 1 19 | 16 19 | 2 24 | 3 8 | 0 48 | 21 49 | 1 5 | 3 12 | 16 50 | 16 58 | 16 34 | 10 52 | 16 35 | 4 35 |
| S 28 | 23 11 | 13 30 | 4 51 | 19 54 | 2 46 | 16 39 | 2 19 | 23 52 | 0 42 | 4 25 | 1 19 | 16 19 | 2 24 | 3 8 | 0 48 | 21 49 | 1 5 | 3 12 | 16 50 | 16 56 | 16 33 | 10 55 | 16 35 | 4 35 |
| S 29 | 23 8 | 8 18 | 4 22 | 19 59 | 2 43 | 16 56 | 2 18 | 23 51 | 0 43 | 4 26 | 1 18 | 16 19 | 2 24 | 3 8 | 0 48 | 21 49 | 1 5 | 3 12 | 16 51 | 16 55 | 16 32 | 10 58 | 16 35 | 4 35 |
| M30 | 23 5 | 2 53 | 3 42 | 20 6 | 2 39 | 17 13 | 2 17 | 23 49 | 0 43 | 4 28 | 1 18 | 16 18 | 2 24 | 3 8 | 0 48 | 21 49 | 1 5 | 3 12 | 16 51 | 16 54 | 16 31 | 11 1 | 16 34 | 4 35 |
| T 31 | 23s 1 | 2s32 | 2n53 | 20s14 | 2n34 | 17s30 | 2n16 | 23s47 | 0s44 | 4n30 | 1s18 | 16n18 | 2s23 | 3n 8 | 0n48 | 21s49 | 1n 5 | 3n12 | 16n52 | 16n54 | 16n30 | 11s 4 | 16n34 | 4s35 |

Julian Day Number = 2806529.5, Delta T = 51m52s
Ecliptic obliquity = 23°18'54, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°20'43, Lahiri = 37°27'43


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# ASTRODIENST EPHEMERIS for the year 2972
# geocentric

## JANUARY 2972 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 6 42 26 | 9♑59'16 | 25♎ 3 | 18♐54 | 29♏40 | 9♑ 7 | 14♈37 | 23°R41 | 23°R56 | 10♑39 | 3♏48 | 17♉17 | 15♉50 | 2♏24 | 5°R16 | W 1 |
| T 2 | 6 46 23 | 11° 0'16 | 6♏51 | 19°41 | 0♐52 | 9°52 | 14°41 | 23♉39 | 23♍55 | 10°41 | 3°49 | 17°19 | 15°47 | 2°31 | 5♊13 | T 2 |
| F 3 | 6 50 19 | 12° 1'17 | 18°41 | 20°33 | 2° 4 | 10°36 | 14°46 | 23°36 | 23°55 | 10°43 | 3°50 | 17°R19 | 15°43 | 2°37 | 5°11 | F 3 |
| S 4 | 6 54 16 | 13° 2'19 | 0♐40 | 21°30 | 3°16 | 11°21 | 14°51 | 23°34 | 23°55 | 10°45 | 3°51 | 17°18 | 15°40 | 2°44 | 5° 9 | S 4 |
| S 5 | 6 58 13 | 14° 3'22 | 12°51 | 22°31 | 4°28 | 12° 5 | 14°57 | 23°32 | 23°55 | 10°48 | 3°53 | 17°15 | 15°37 | 2°50 | 5° 6 | S 5 |
| M 6 | 7 2 9 | 15° 4'26 | 25°16 | 23°36 | 5°40 | 12°50 | 15° 2 | 23°30 | 23°54 | 10°50 | 3°54 | 17° 9 | 15°34 | 2°57 | 5° 4 | M 6 |
| T 7 | 7 6 6 | 16° 5'30 | 7♑58 | 24°43 | 6°52 | 13°35 | 15° 8 | 23°28 | 23°54 | 10°52 | 3°55 | 17° 0 | 15°31 | 3° 4 | 5° 2 | T 7 |
| W 8 | 7 10 2 | 17° 6'35 | 20°56 | 25°53 | 8° 5 | 14°20 | 15°14 | 23°26 | 23°53 | 10°55 | 3°56 | 16°50 | 15°28 | 3°10 | 5° 0 | W 8 |
| T 9 | 7 13 59 | 18° 7'40 | 4♒11 | 27° 6 | 9°17 | 15° 4 | 15°20 | 23°24 | 23°53 | 10°57 | 3°57 | 16°39 | 15°24 | 3°17 | 4°58 | T 9 |
| F 10 | 7 17 55 | 19° 8'45 | 17°38 | 28°20 | 10°30 | 15°49 | 15°26 | 23°23 | 23°52 | 10°59 | 3°58 | 16°28 | 15°21 | 3°24 | 4°56 | F 10 |
| S 11 | 7 21 52 | 20° 9'51 | 1♓18 | 29°37 | 11°42 | 16°34 | 15°32 | 23°21 | 23°51 | 11° 1 | 3°59 | 16°18 | 15°18 | 3°30 | 4°54 | S 11 |
| S 12 | 7 25 49 | 21°10'56 | 15° 5 | 0♑55 | 12°55 | 17°19 | 15°39 | 23°20 | 23°51 | 11° 4 | 3°59 | 16°10 | 15°15 | 3°37 | 4°52 | S 12 |
| M13 | 7 29 45 | 22°12'02 | 29° 0 | 2°15 | 14° 7 | 18° 4 | 15°45 | 23°18 | 23°50 | 11° 6 | 4° 0 | 16° 5 | 15°12 | 3°44 | 4°50 | M13 |
| T 14 | 7 33 42 | 23°13'08 | 12♈59 | 3°35 | 15°20 | 18°49 | 15°52 | 23°17 | 23°49 | 11° 8 | 4° 1 | 16° 3 | 15° 8 | 3°50 | 4°48 | T 14 |
| W15 | 7 37 38 | 24°14'14 | 27° 3 | 4°57 | 16°33 | 19°34 | 15°59 | 23°16 | 23°48 | 11°10 | 4° 2 | 16°D 3 | 15° 5 | 3°57 | 4°46 | W15 |
| T 16 | 7 41 35 | 25°15'19 | 11♉ 9 | 6°20 | 17°46 | 20°20 | 16° 6 | 23°15 | 23°47 | 11°12 | 4° 3 | 16°R 3 | 15° 2 | 4° 4 | 4°45 | T 16 |
| F 17 | 7 45 31 | 26°16'25 | 25°18 | 7°44 | 18°58 | 21° 5 | 16°14 | 23°14 | 23°46 | 11°15 | 4° 3 | 16° 3 | 14°59 | 4°10 | 4°43 | F 17 |
| S 18 | 7 49 28 | 27°17'30 | 9♊28 | 9° 9 | 20°11 | 21°50 | 16°21 | 23°13 | 23°45 | 11°17 | 4° 4 | 16° 1 | 14°56 | 4°17 | 4°41 | S 18 |
| S 19 | 7 53 24 | 28°18'35 | 23°36 | 10°35 | 21°24 | 22°35 | 16°29 | 23°12 | 23°44 | 11°19 | 4° 5 | 15°56 | 14°53 | 4°24 | 4°40 | S 19 |
| M20 | 7 57 21 | 29°19'40 | 7♋40 | 12° 1 | 22°37 | 23°21 | 16°37 | 23°12 | 23°43 | 11°21 | 4° 5 | 15°48 | 14°49 | 4°30 | 4°38 | M20 |
| T 21 | 8 1 18 | 0♒20'45 | 21°34 | 13°28 | 23°50 | 24° 6 | 16°45 | 23°11 | 23°42 | 11°23 | 4° 6 | 15°38 | 14°46 | 4°37 | 4°37 | T 21 |
| W22 | 8 5 14 | 1°21'50 | 5♌15 | 14°56 | 25° 4 | 24°51 | 16°53 | 23°11 | 23°40 | 11°26 | 4° 6 | 15°26 | 14°43 | 4°43 | 4°35 | W22 |
| T 23 | 8 9 11 | 2°22'55 | 18°39 | 16°24 | 26°17 | 25°37 | 17° 1 | 23°11 | 23°39 | 11°28 | 4° 7 | 15°13 | 14°40 | 4°50 | 4°34 | T 23 |
| F 24 | 8 13 7 | 3°24'00 | 1♍44 | 17°52 | 27°30 | 26°22 | 17° 9 | 23°11 | 23°38 | 11°30 | 4° 7 | 15° 0 | 14°37 | 4°57 | 4°33 | F 24 |
| S 25 | 8 17 4 | 4°25'05 | 14°28 | 19°22 | 28°43 | 27° 8 | 17°18 | 23°D10 | 23°36 | 11°32 | 4° 8 | 14°50 | 14°34 | 5° 3 | 4°32 | S 25 |
| S 26 | 8 21 0 | 5°26'09 | 26°54 | 20°52 | 29°57 | 27°53 | 17°27 | 23°11 | 23°35 | 11°34 | 4° 8 | 14°42 | 14°30 | 5°10 | 4°31 | S 26 |
| M27 | 8 24 57 | 6°27'14 | 9♎ 3 | 22°22 | 1♑10 | 28°39 | 17°36 | 23°11 | 23°33 | 11°36 | 4° 9 | 14°36 | 14°27 | 5°17 | 4°29 | M27 |
| T 28 | 8 28 53 | 7°28'19 | 21° 0 | 23°53 | 2°23 | 29°25 | 17°45 | 23°11 | 23°32 | 11°38 | 4° 9 | 14°33 | 14°24 | 5°23 | 4°28 | T 28 |
| W29 | 8 32 50 | 8°29'23 | 2♏50 | 25°24 | 3°37 | 0♒10 | 17°54 | 23°11 | 23°30 | 11°40 | 4° 9 | 14°32 | 14°21 | 5°30 | 4°27 | W29 |
| T 30 | 8 36 47 | 9°30'28 | 14°37 | 26°56 | 4°50 | 0°56 | 18° 3 | 23°12 | 23°29 | 11°42 | 4° 9 | 14°32 | 14°18 | 5°37 | 4°27 | T 30 |
| F 31 | 8 40 43 | 10♒31'33 | 26♏29 | 28♑28 | 6♑ 4 | 1♒42 | 18♈12 | 23♉13 | 23♍27 | 11♑44 | 4♏10 | 14♉32 | 14♉14 | 5♏43 | 4♊26 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s56 | 7s50 | 1n57 | 20s24 | 2n28 | 17s46 | 2n16 | 23s44 | 0s44 | 4n32 | 1s18 | 16n17 | 2s23 | 3n 8 | 0n48 | 21s49 | 1n 5 | 3n12 | 16n52 | 16n54 | 16n30 | 11s 7 | 16n33 | 4s35 |
| T 2 | 22 52 | 12 51 | 0 56 | 20 34 | 2 21 | 18 2 | 2 15 | 23 41 | 0 44 | 4 34 | 1 17 | 16 17 | 2 23 | 3 8 | 0 48 | 21 48 | 1 5 | 3 12 | 16 53 | 16 55 | 16 29 | 11 10 | 16 33 | 4 35 |
| F 3 | 22 46 | 17 25 | 0s 7 | 20 45 | 2 14 | 18 17 | 2 13 | 23 38 | 0 45 | 4 36 | 1 17 | 16 17 | 2 23 | 3 8 | 0 48 | 21 48 | 1 5 | 3 12 | 16 53 | 16 55 | 16 28 | 11 13 | 16 33 | 4 35 |
| S 4 | 22 41 | 21 21 | 1 11 | 20 56 | 2 7 | 18 32 | 2 12 | 23 35 | 0 45 | 4 39 | 1 17 | 16 16 | 2 22 | 3 8 | 0 48 | 21 48 | 1 5 | 3 12 | 16 54 | 16 55 | 16 27 | 11 16 | 16 33 | 4 35 |
| S 5 | 22 35 | 24 25 | 2 13 | 21 7 | 1 59 | 18 47 | 2 11 | 23 32 | 0 46 | 4 41 | 1 16 | 16 16 | 2 22 | 3 9 | 0 48 | 21 48 | 1 5 | 3 12 | 16 54 | 16 54 | 16 26 | 11 19 | 16 32 | 4 34 |
| M 6 | 22 28 | 26 22 | 3 9 | 21 19 | 1 51 | 19 1 | 2 10 | 23 28 | 0 46 | 4 43 | 1 16 | 16 16 | 2 22 | 3 9 | 0 48 | 21 48 | 1 5 | 3 13 | 16 55 | 16 52 | 16 25 | 11 22 | 16 32 | 4 34 |
| T 7 | 22 21 | 27 1 | 3 57 | 21 30 | 1 43 | 19 14 | 2 8 | 23 24 | 0 47 | 4 46 | 1 16 | 16 15 | 2 21 | 3 9 | 0 48 | 21 47 | 1 5 | 3 13 | 16 55 | 16 50 | 16 24 | 11 25 | 16 32 | 4 34 |
| W 8 | 22 14 | 26 12 | 4 33 | 21 40 | 1 35 | 19 27 | 2 7 | 23 20 | 0 47 | 4 48 | 1 16 | 16 15 | 2 21 | 3 9 | 0 48 | 21 47 | 1 5 | 3 13 | 16 56 | 16 47 | 16 23 | 11 28 | 16 31 | 4 34 |
| T 9 | 22 6 | 23 55 | 4 56 | 21 51 | 1 26 | 19 40 | 2 5 | 23 15 | 0 48 | 4 51 | 1 15 | 16 15 | 2 21 | 3 9 | 0 48 | 21 47 | 1 5 | 3 13 | 16 56 | 16 43 | 16 22 | 11 32 | 16 31 | 4 34 |
| F 10 | 21 57 | 20 17 | 5 3 | 22 0 | 1 18 | 19 52 | 2 4 | 23 11 | 0 48 | 4 53 | 1 15 | 16 15 | 2 21 | 3 10 | 0 48 | 21 47 | 1 5 | 3 13 | 16 57 | 16 40 | 16 21 | 11 35 | 16 31 | 4 34 |
| S 11 | 21 49 | 15 31 | 4 53 | 22 10 | 1 9 | 20 4 | 2 2 | 23 6 | 0 49 | 4 56 | 1 15 | 16 15 | 2 20 | 3 10 | 0 48 | 21 47 | 1 5 | 3 14 | 16 58 | 16 38 | 16 20 | 11 38 | 16 31 | 4 34 |
| S 12 | 21 39 | 9 56 | 4 26 | 22 18 | 1 1 | 20 15 | 2 0 | 23 1 | 0 49 | 4 59 | 1 15 | 16 15 | 2 20 | 3 10 | 0 48 | 21 47 | 1 5 | 3 14 | 16 58 | 16 35 | 16 19 | 11 41 | 16 31 | 4 34 |
| M13 | 21 30 | 3 49 | 3 43 | 22 25 | 0 52 | 20 25 | 1 58 | 22 55 | 0 49 | 5 1 | 1 14 | 16 15 | 2 20 | 3 11 | 0 48 | 21 46 | 1 5 | 3 14 | 16 59 | 16 34 | 16 19 | 11 44 | 16 30 | 4 33 |
| T 14 | 21 20 | 2n33 | 2 46 | 22 32 | 0 44 | 20 35 | 1 56 | 22 49 | 0 50 | 5 4 | 1 14 | 16 15 | 2 20 | 3 11 | 0 48 | 21 46 | 1 5 | 3 14 | 16 59 | 16 33 | 16 18 | 11 47 | 16 30 | 4 33 |
| W15 | 21 9 | 8 49 | 1 39 | 22 38 | 0 36 | 20 45 | 1 54 | 22 44 | 0 50 | 5 7 | 1 14 | 16 15 | 2 19 | 3 11 | 0 48 | 21 46 | 1 5 | 3 15 | 17 0 | 16 33 | 16 17 | 11 50 | 16 30 | 4 33 |
| T 16 | 20 58 | 14 41 | 0 26 | 22 42 | 0 28 | 20 54 | 1 52 | 22 37 | 0 51 | 5 10 | 1 14 | 16 15 | 2 19 | 3 12 | 0 48 | 21 46 | 1 5 | 3 15 | 17 0 | 16 33 | 16 16 | 11 53 | 16 30 | 4 33 |
| F 17 | 20 47 | 19 47 | 0n49 | 22 46 | 0 19 | 21 2 | 1 50 | 22 31 | 0 51 | 5 13 | 1 13 | 16 15 | 2 19 | 3 12 | 0 49 | 21 46 | 1 5 | 3 15 | 17 1 | 16 33 | 16 15 | 11 56 | 16 30 | 4 33 |
| S 18 | 20 36 | 23 45 | 2 1 | 22 49 | 0 11 | 21 10 | 1 48 | 22 24 | 0 52 | 5 16 | 1 13 | 16 15 | 2 18 | 3 13 | 0 49 | 21 45 | 1 5 | 3 16 | 17 2 | 16 33 | 16 14 | 11 59 | 16 30 | 4 33 |
| S 19 | 20 24 | 26 15 | 3 5 | 22 50 | 0 4 | 21 17 | 1 45 | 22 17 | 0 52 | 5 19 | 1 13 | 16 15 | 2 18 | 3 13 | 0 49 | 21 45 | 1 5 | 3 16 | 17 2 | 16 31 | 16 13 | 12 2 | 16 29 | 4 32 |
| M20 | 20 11 | 27 3 | 3 58 | 22 51 | 0s 4 | 21 24 | 1 43 | 22 10 | 0 52 | 5 23 | 1 13 | 16 15 | 2 18 | 3 14 | 0 49 | 21 45 | 1 5 | 3 16 | 17 3 | 16 29 | 16 12 | 12 5 | 16 29 | 4 32 |
| T 21 | 19 58 | 26 7 | 4 35 | 22 50 | 0 12 | 21 30 | 1 41 | 22 3 | 0 53 | 5 26 | 1 12 | 16 15 | 2 18 | 3 14 | 0 49 | 21 45 | 1 5 | 3 17 | 17 3 | 16 26 | 16 11 | 12 8 | 16 29 | 4 32 |
| W22 | 19 45 | 23 39 | 4 56 | 22 48 | 0 19 | 21 35 | 1 38 | 21 55 | 0 53 | 5 29 | 1 12 | 16 15 | 2 17 | 3 15 | 0 49 | 21 45 | 1 5 | 3 17 | 17 4 | 16 23 | 16 10 | 12 11 | 16 29 | 4 32 |
| T 23 | 19 32 | 19 55 | 5 0 | 22 45 | 0 26 | 21 40 | 1 36 | 21 47 | 0 54 | 5 33 | 1 12 | 16 16 | 2 17 | 3 15 | 0 49 | 21 45 | 1 5 | 3 18 | 17 4 | 16 19 | 16 9 | 12 14 | 16 29 | 4 32 |
| F 24 | 19 18 | 15 18 | 4 48 | 22 41 | 0 33 | 21 44 | 1 33 | 21 39 | 0 54 | 5 36 | 1 12 | 16 16 | 2 17 | 3 16 | 0 49 | 21 44 | 1 5 | 3 18 | 17 5 | 16 15 | 16 8 | 12 17 | 16 29 | 4 32 |
| S 25 | 19 3 | 10 7 | 4 22 | 22 35 | 0 40 | 21 48 | 1 31 | 21 31 | 0 54 | 5 39 | 1 11 | 16 16 | 2 16 | 3 16 | 0 49 | 21 44 | 1 5 | 3 18 | 17 6 | 16 12 | 16 7 | 12 20 | 16 29 | 4 31 |
| S 26 | 18 49 | 4 39 | 3 44 | 22 28 | 0 47 | 21 51 | 1 28 | 21 22 | 0 55 | 5 43 | 1 11 | 16 16 | 2 16 | 3 17 | 0 49 | 21 44 | 1 5 | 3 19 | 17 6 | 16 10 | 16 6 | 12 23 | 16 29 | 4 31 |
| M27 | 18 34 | 0s52 | 2 56 | 22 21 | 0 53 | 21 53 | 1 25 | 21 13 | 0 55 | 5 46 | 1 11 | 16 17 | 2 16 | 3 18 | 0 49 | 21 44 | 1 5 | 3 19 | 17 7 | 16 8 | 16 6 | 12 26 | 16 29 | 4 31 |
| T 28 | 18 18 | 6 17 | 2 1 | 22 11 | 0 59 | 21 55 | 1 23 | 21 4 | 0 55 | 5 50 | 1 11 | 16 17 | 2 16 | 3 18 | 0 49 | 21 44 | 1 5 | 3 20 | 17 7 | 16 7 | 16 5 | 12 29 | 16 29 | 4 31 |
| W29 | 18 3 | 11 26 | 1 2 | 22 1 | 1 5 | 21 56 | 1 20 | 20 55 | 0 56 | 5 54 | 1 11 | 16 17 | 2 15 | 3 19 | 0 49 | 21 43 | 1 5 | 3 20 | 17 8 | 16 7 | 16 4 | 12 32 | 16 29 | 4 31 |
| T 30 | 17 47 | 16 9 | 0s 0 | 21 49 | 1 11 | 21 56 | 1 17 | 20 46 | 0 56 | 5 57 | 1 10 | 16 18 | 2 15 | 3 20 | 0 49 | 21 43 | 1 5 | 3 21 | 17 9 | 16 7 | 16 3 | 12 35 | 16 29 | 4 31 |
| F 31 | 17s31 | 20s17 | 1s 3 | 21s37 | 1s17 | 21s56 | 1n14 | 20s36 | 0s57 | 6n 1 | 1s10 | 16n18 | 2s15 | 3n20 | 0n49 | 21s43 | 1n 5 | 3n21 | 17n 9 | 16n 7 | 16n 2 | 12s38 | 16n29 | 4s30 |

Julian Day Number = 2806560.5, Delta T = 51m52s
Ecliptic obliquity = 23°18'54, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°20'47, Lahiri = 37°27'48


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# ASTRODIENST EPHEMERIS for the year 2972
# geocentric

## FEBRUARY 2972 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 44 40 | 11♒32'37 | 8♐29 | 0♒ 1 | 7♑18 | 2♒28 | 18♈22 | 23♉13 | 23°R25 | 11♑47 | 4♏10 | 14°R30 | 14♉11 | 5♏50 | 4°R25 | S 1 |
| S 2 | 8 48 36 | 12°33'42 | 20°43 | 1°35 | 8°31 | 3°13 | 18°31 | 23°14 | 23♍24 | 11°49 | 4°10 | 14♉26 | 14° 8 | 5°57 | 4♊24 | S 2 |
| M 3 | 8 52 33 | 13°34'46 | 3♑15 | 3° 9 | 9°45 | 3°59 | 18°41 | 23°15 | 23°22 | 11°51 | 4°10 | 14°19 | 14° 5 | 6° 3 | 4°24 | M 3 |
| T 4 | 8 56 29 | 14°35'50 | 16° 9 | 4°43 | 10°59 | 4°45 | 18°51 | 23°16 | 23°20 | 11°53 | 4°10 | 14°10 | 14° 2 | 6°10 | 4°23 | T 4 |
| W 5 | 9 0 26 | 15°36'53 | 29°24 | 6°18 | 12°12 | 5°31 | 19° 1 | 23°17 | 23°18 | 11°55 | 4°10 | 13°58 | 13°59 | 6°17 | 4°23 | W 5 |
| T 6 | 9 4 22 | 16°37'56 | 13♒ 0 | 7°54 | 13°26 | 6°17 | 19°11 | 23°19 | 23°16 | 11°56 | 4°R10 | 13°45 | 13°55 | 6°23 | 4°22 | T 6 |
| F 7 | 9 8 19 | 17°38'59 | 26°53 | 9°30 | 14°40 | 7° 3 | 19°21 | 23°20 | 23°14 | 11°58 | 4°10 | 13°31 | 13°52 | 6°30 | 4°22 | F 7 |
| S 8 | 9 12 16 | 18°40'00 | 11♓ 0 | 11° 7 | 15°54 | 7°49 | 19°32 | 23°22 | 23°12 | 12° 0 | 4°10 | 13°20 | 13°49 | 6°36 | 4°22 | S 8 |
| S 9 | 9 16 12 | 19°41'01 | 25°15 | 12°44 | 17° 7 | 8°36 | 19°42 | 23°23 | 23°10 | 12° 2 | 4°10 | 13°11 | 13°46 | 6°43 | 4°21 | S 9 |
| M10 | 9 20 9 | 20°42'01 | 9♈33 | 14°22 | 18°21 | 9°22 | 19°53 | 23°25 | 23° 8 | 12° 4 | 4°10 | 13° 4 | 13°43 | 6°50 | 4°21 | M10 |
| T 11 | 9 24 5 | 21°43'00 | 23°49 | 16° 1 | 19°35 | 10° 8 | 20° 4 | 23°27 | 23° 6 | 12° 6 | 4°10 | 13° 1 | 13°39 | 6°56 | 4°21 | T 11 |
| W12 | 9 28 2 | 22°43'57 | 8♉ 1 | 17°40 | 20°49 | 10°54 | 20°15 | 23°29 | 23° 4 | 12° 8 | 4° 9 | 13°D 0 | 13°36 | 7° 3 | 4°D21 | W12 |
| T 13 | 9 31 58 | 23°44'54 | 22° 7 | 19°20 | 22° 3 | 11°40 | 20°25 | 23°31 | 23° 2 | 12°10 | 4° 9 | 13°R 0 | 13°33 | 7°10 | 4°21 | T 13 |
| F 14 | 9 35 55 | 24°45'50 | 6♊ 7 | 21° 0 | 23°17 | 12°27 | 20°37 | 23°33 | 23° 0 | 12°11 | 4° 9 | 13° 0 | 13°30 | 7°16 | 4°21 | F 14 |
| S 15 | 9 39 51 | 25°46'44 | 19°59 | 22°41 | 24°31 | 13°13 | 20°48 | 23°35 | 22°57 | 12°13 | 4° 9 | 12°58 | 13°27 | 7°23 | 4°21 | S 15 |
| S 16 | 9 43 48 | 26°47'38 | 3♋44 | 24°23 | 25°45 | 13°59 | 20°59 | 23°38 | 22°55 | 12°15 | 4° 8 | 12°53 | 13°24 | 7°30 | 4°22 | S 16 |
| M17 | 9 47 45 | 27°48'30 | 17°21 | 26° 6 | 26°59 | 14°46 | 21°10 | 23°40 | 22°53 | 12°17 | 4° 8 | 12°46 | 13°20 | 7°36 | 4°22 | M17 |
| T 18 | 9 51 41 | 28°49'21 | 0♌49 | 27°49 | 28°13 | 15°32 | 21°22 | 23°43 | 22°51 | 12°18 | 4° 7 | 12°36 | 13°17 | 7°43 | 4°22 | T 18 |
| W19 | 9 55 38 | 29°50'10 | 14° 5 | 29°33 | 29°27 | 16°18 | 21°33 | 23°46 | 22°48 | 12°20 | 4° 7 | 12°24 | 13°14 | 7°50 | 4°23 | W19 |
| T 20 | 9 59 34 | 0♓50'59 | 27° 9 | 1♓18 | 0♒41 | 17° 5 | 21°45 | 23°48 | 22°46 | 12°22 | 4° 7 | 12°11 | 13°11 | 7°56 | 4°23 | T 20 |
| F 21 | 10 3 31 | 1°51'46 | 9♍57 | 3° 3 | 1°55 | 17°51 | 21°57 | 23°51 | 22°43 | 12°23 | 4° 6 | 11°58 | 13° 8 | 8° 3 | 4°24 | F 21 |
| S 22 | 10 7 27 | 2°52'33 | 22°31 | 4°49 | 3° 9 | 18°38 | 22° 8 | 23°54 | 22°41 | 12°25 | 4° 5 | 11°48 | 13° 5 | 8°10 | 4°24 | S 22 |
| S 23 | 10 11 24 | 3°53'18 | 4♎50 | 6°36 | 4°23 | 19°24 | 22°20 | 23°57 | 22°39 | 12°27 | 4° 5 | 11°39 | 13° 1 | 8°16 | 4°25 | S 23 |
| M24 | 10 15 20 | 4°54'02 | 16°55 | 8°23 | 5°37 | 20°11 | 22°32 | 24° 1 | 22°36 | 12°28 | 4° 4 | 11°33 | 12°58 | 8°23 | 4°26 | M24 |
| T 25 | 10 19 17 | 5°54'45 | 28°51 | 10°11 | 6°52 | 20°57 | 22°44 | 24° 4 | 22°34 | 12°30 | 4° 4 | 11°30 | 12°55 | 8°29 | 4°26 | T 25 |
| W26 | 10 23 14 | 6°55'28 | 10♏40 | 12° 0 | 8° 6 | 21°44 | 22°57 | 24° 7 | 22°31 | 12°31 | 4° 3 | 11°D29 | 12°52 | 8°36 | 4°27 | W26 |
| T 27 | 10 27 10 | 7°56'09 | 22°27 | 13°49 | 9°20 | 22°31 | 23° 9 | 24°11 | 22°29 | 12°33 | 4° 2 | 11°30 | 12°49 | 8°43 | 4°28 | T 27 |
| F 28 | 10 31 7 | 8°56'49 | 4♐17 | 15°38 | 10°34 | 23°17 | 23°21 | 24°14 | 22°26 | 12°34 | 4° 1 | 11°R31 | 12°45 | 8°49 | 4°29 | F 28 |
| S 29 | 10 35 3 | 9♓57'29 | 16♐16 | 17♓28 | 11♒48 | 24♒ 4 | 23♈34 | 24♉18 | 22♍24 | 12♑36 | 4♏ 1 | 11♉30 | 12♉42 | 8♏56 | 4♊30 | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17s14 | 23s38 | 2s 3 | 21s22 | 1s22 | 21s55 | 1n12 | 20s26 | 0s57 | 6n 5 | 1s10 | 16n19 | 2s14 | 3n21 | 0n49 | 21s43 | 1n 5 | 3n22 | 17n10 | 16n 6 | 16n 1 | 12s41 | 16n29 | 4s30 |
| S 2 | 16 57 | 25 58 | 2 59 | 21 7 | 1 27 | 21 54 | 1 9 | 20 16 | 0 57 | 6 9 | 1 10 | 16 19 | 2 14 | 3 22 | 0 49 | 21 43 | 1 5 | 3 22 | 17 10 | 16 5 | 16 0 | 12 44 | 16 29 | 4 30 |
| M 3 | 16 40 | 27 4 | 3 47 | 20 50 | 1 32 | 21 52 | 1 6 | 20 5 | 0 58 | 6 13 | 1 10 | 16 20 | 2 14 | 3 22 | 0 49 | 21 43 | 1 5 | 3 23 | 17 11 | 16 3 | 15 59 | 12 47 | 16 29 | 4 30 |
| T 4 | 16 22 | 26 44 | 4 26 | 20 33 | 1 36 | 21 49 | 1 3 | 19 55 | 0 58 | 6 17 | 1 9 | 16 20 | 2 14 | 3 23 | 0 49 | 21 42 | 1 5 | 3 23 | 17 11 | 16 0 | 15 58 | 12 50 | 16 29 | 4 30 |
| W 5 | 16 4 | 24 54 | 4 51 | 20 13 | 1 40 | 21 46 | 1 0 | 19 44 | 0 58 | 6 21 | 1 9 | 16 21 | 2 13 | 3 24 | 0 49 | 21 42 | 1 5 | 3 24 | 17 12 | 15 57 | 15 57 | 12 53 | 16 30 | 4 29 |
| T 6 | 15 46 | 21 37 | 5 0 | 19 53 | 1 44 | 21 42 | 0 57 | 19 33 | 0 59 | 6 25 | 1 9 | 16 21 | 2 13 | 3 25 | 0 49 | 21 42 | 1 5 | 3 24 | 17 13 | 15 53 | 15 56 | 12 56 | 16 30 | 4 29 |
| F 7 | 15 28 | 17 4 | 4 52 | 19 31 | 1 48 | 21 37 | 0 54 | 19 22 | 0 59 | 6 29 | 1 9 | 16 22 | 2 13 | 3 26 | 0 49 | 21 42 | 1 5 | 3 25 | 17 13 | 15 49 | 15 55 | 12 59 | 16 30 | 4 29 |
| S 8 | 15 9 | 11 31 | 4 26 | 19 8 | 1 51 | 21 32 | 0 51 | 19 10 | 0 59 | 6 33 | 1 9 | 16 23 | 2 12 | 3 26 | 0 49 | 21 42 | 1 5 | 3 25 | 17 14 | 15 46 | 15 54 | 13 2 | 16 30 | 4 29 |
| S 9 | 14 50 | 5 18 | 3 44 | 18 44 | 1 55 | 21 26 | 0 48 | 18 59 | 1 0 | 6 37 | 1 8 | 16 23 | 2 12 | 3 27 | 0 49 | 21 41 | 1 5 | 3 26 | 17 14 | 15 43 | 15 53 | 13 5 | 16 30 | 4 29 |
| M10 | 14 31 | 1n12 | 2 47 | 18 18 | 1 57 | 21 19 | 0 45 | 18 47 | 1 0 | 6 41 | 1 8 | 16 24 | 2 12 | 3 28 | 0 49 | 21 41 | 1 5 | 3 26 | 17 15 | 15 41 | 15 52 | 13 8 | 16 30 | 4 28 |
| T 11 | 14 12 | 7 39 | 1 40 | 17 52 | 2 0 | 21 12 | 0 42 | 18 35 | 1 0 | 6 45 | 1 8 | 16 25 | 2 12 | 3 29 | 0 49 | 21 41 | 1 5 | 3 27 | 17 15 | 15 40 | 15 51 | 13 11 | 16 30 | 4 28 |
| W12 | 13 52 | 13 42 | 0 26 | 17 23 | 2 2 | 21 4 | 0 39 | 18 23 | 1 1 | 6 49 | 1 8 | 16 26 | 2 11 | 3 30 | 0 49 | 21 41 | 1 5 | 3 28 | 17 16 | 15 40 | 15 50 | 13 14 | 16 31 | 4 28 |
| T 13 | 13 32 | 18 59 | 0n48 | 16 54 | 2 3 | 20 56 | 0 36 | 18 10 | 1 1 | 6 54 | 1 8 | 16 26 | 2 11 | 3 31 | 0 49 | 21 41 | 1 5 | 3 28 | 17 17 | 15 40 | 15 50 | 13 17 | 16 31 | 4 28 |
| F 14 | 13 12 | 23 10 | 1 59 | 16 24 | 2 5 | 20 47 | 0 33 | 17 58 | 1 1 | 6 58 | 1 7 | 16 27 | 2 11 | 3 31 | 0 49 | 21 41 | 1 5 | 3 29 | 17 17 | 15 40 | 15 49 | 13 20 | 16 31 | 4 28 |
| S 15 | 12 52 | 25 58 | 3 2 | 15 52 | 2 6 | 20 37 | 0 30 | 17 45 | 1 1 | 7 2 | 1 7 | 16 28 | 2 10 | 3 32 | 0 49 | 21 40 | 1 5 | 3 30 | 17 18 | 15 39 | 15 48 | 13 23 | 16 31 | 4 27 |
| S 16 | 12 31 | 27 10 | 3 54 | 15 19 | 2 6 | 20 27 | 0 27 | 17 32 | 1 2 | 7 7 | 1 7 | 16 29 | 2 10 | 3 33 | 0 49 | 21 40 | 1 5 | 3 30 | 17 18 | 15 38 | 15 47 | 13 26 | 16 32 | 4 27 |
| M17 | 12 10 | 26 42 | 4 33 | 14 44 | 2 6 | 20 16 | 0 24 | 17 19 | 1 2 | 7 11 | 1 7 | 16 30 | 2 10 | 3 34 | 0 49 | 21 40 | 1 5 | 3 31 | 17 19 | 15 35 | 15 46 | 13 29 | 16 32 | 4 27 |
| T 18 | 11 49 | 24 40 | 4 55 | 14 9 | 2 6 | 20 4 | 0 21 | 17 5 | 1 2 | 7 15 | 1 7 | 16 31 | 2 10 | 3 35 | 0 50 | 21 40 | 1 5 | 3 31 | 17 19 | 15 32 | 15 45 | 13 32 | 16 32 | 4 27 |
| W19 | 11 28 | 21 19 | 5 1 | 13 32 | 2 5 | 19 52 | 0 18 | 16 52 | 1 3 | 7 20 | 1 7 | 16 32 | 2 9 | 3 36 | 0 50 | 21 40 | 1 5 | 3 32 | 17 20 | 15 29 | 15 44 | 13 35 | 16 32 | 4 26 |
| T 20 | 11 7 | 16 57 | 4 51 | 12 54 | 2 4 | 19 40 | 0 15 | 16 38 | 1 3 | 7 24 | 1 6 | 16 33 | 2 9 | 3 37 | 0 50 | 21 39 | 1 5 | 3 33 | 17 20 | 15 25 | 15 43 | 13 38 | 16 33 | 4 26 |
| F 21 | 10 45 | 11 55 | 4 27 | 12 14 | 2 3 | 19 26 | 0 12 | 16 24 | 1 3 | 7 29 | 1 6 | 16 34 | 2 9 | 3 38 | 0 50 | 21 39 | 1 5 | 3 33 | 17 21 | 15 21 | 15 42 | 13 41 | 16 33 | 4 26 |
| S 22 | 10 24 | 6 28 | 3 50 | 11 34 | 2 1 | 19 13 | 0 9 | 16 10 | 1 3 | 7 33 | 1 6 | 16 35 | 2 8 | 3 39 | 0 50 | 21 39 | 1 5 | 3 34 | 17 22 | 15 18 | 15 41 | 13 44 | 16 33 | 4 26 |
| S 23 | 10 2 | 0 53 | 3 2 | 10 52 | 1 58 | 18 58 | 0 6 | 15 56 | 1 4 | 7 38 | 1 6 | 16 36 | 2 8 | 3 40 | 0 50 | 21 39 | 1 5 | 3 35 | 17 22 | 15 15 | 15 40 | 13 47 | 16 34 | 4 26 |
| M24 | 9 40 | 4s39 | 2 7 | 10 10 | 1 55 | 18 43 | 0 3 | 15 41 | 1 4 | 7 43 | 1 6 | 16 37 | 2 8 | 3 41 | 0 50 | 21 39 | 1 6 | 3 36 | 17 23 | 15 13 | 15 39 | 13 50 | 16 34 | 4 25 |
| T 25 | 9 18 | 9 58 | 1 7 | 9 26 | 1 51 | 18 28 | 0s 0 | 15 27 | 1 4 | 7 47 | 1 6 | 16 38 | 2 8 | 3 42 | 0 50 | 21 39 | 1 6 | 3 36 | 17 23 | 15 12 | 15 38 | 13 53 | 16 34 | 4 25 |
| W26 | 8 55 | 14 53 | 0 4 | 8 41 | 1 47 | 18 12 | 0 3 | 15 12 | 1 4 | 7 52 | 1 5 | 16 39 | 2 7 | 3 43 | 0 50 | 21 38 | 1 6 | 3 37 | 17 24 | 15 12 | 15 37 | 13 56 | 16 35 | 4 25 |
| T 27 | 8 33 | 19 14 | 0s58 | 7 55 | 1 42 | 17 55 | 0 6 | 14 57 | 1 4 | 7 56 | 1 5 | 16 40 | 2 7 | 3 44 | 0 50 | 21 38 | 1 6 | 3 38 | 17 24 | 15 12 | 15 36 | 13 59 | 16 35 | 4 25 |
| F 28 | 8 10 | 22 50 | 1 59 | 7 7 | 1 37 | 17 38 | 0 9 | 14 42 | 1 5 | 8 1 | 1 5 | 16 41 | 2 7 | 3 45 | 0 50 | 21 38 | 1 6 | 3 38 | 17 25 | 15 12 | 15 35 | 14 2 | 16 35 | 4 25 |
| S 29 | 7s48 | 25s31 | 2s55 | 6s19 | 1s31 | 17s21 | 0s12 | 14s27 | 1s 5 | 8n 6 | 1s 5 | 16n42 | 2s 7 | 3n46 | 0n50 | 21s38 | 1n 6 | 3n39 | 17n25 | 15n12 | 15n34 | 14s 5 | 16n36 | 4s24 |

Julian Day Number = 2806591.5, Delta T = 51m53s
Ecliptic obliquity = 23°18'54, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°20'51, Lahiri = 37°27'52


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# ASTRODIENST EPHEMERIS for the year 2972
# geocentric

## MARCH 2972 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 39 0 | 10♓58'07 | 28♐30 | 19♓18 | 13♒ 2 | 24♒51 | 23♈46 | 24♉22 | 22°R21 | 12♋37 | 4°R 0 | 11°R29 | 12♉39 | 9♏ 3 | 4♊32 | S 1 |
| M 2 | 10 42 56 | 11°58'44 | 11♋ 3 | 21° 8 | 14°17 | 25°37 | 23°59 | 24°26 | 22♍18 | 12°38 | 3♏59 | 11♉25 | 12°36 | 9° 9 | 4°33 | M 2 |
| T 3 | 10 46 53 | 12°59'20 | 23°58 | 22°58 | 15°31 | 26°24 | 24°11 | 24°30 | 22°16 | 12°40 | 3°58 | 11°18 | 12°33 | 9°16 | 4°34 | T 3 |
| W 4 | 10 50 49 | 13°59'55 | 7♒20 | 24°48 | 16°45 | 27°11 | 24°24 | 24°34 | 22°13 | 12°41 | 3°57 | 11°10 | 12°30 | 9°23 | 4°35 | W 4 |
| T 5 | 10 54 46 | 15° 0'29 | 21° 7 | 26°37 | 17°59 | 27°58 | 24°37 | 24°38 | 22°11 | 12°42 | 3°56 | 11° 1 | 12°26 | 9°29 | 4°37 | T 5 |
| F 6 | 10 58 43 | 16° 1'01 | 5♓17 | 28°25 | 19°14 | 28°45 | 24°50 | 24°42 | 22° 8 | 12°44 | 3°55 | 10°51 | 12°23 | 9°36 | 4°38 | F 6 |
| S 7 | 11 2 39 | 17° 1'32 | 19°46 | 0♈12 | 20°28 | 29°31 | 25° 3 | 24°46 | 22° 5 | 12°45 | 3°54 | 10°43 | 12°20 | 9°43 | 4°40 | S 7 |
| S 8 | 11 6 36 | 18° 2'01 | 4♈27 | 1°57 | 21°42 | 0♓18 | 25°16 | 24°51 | 22° 3 | 12°46 | 3°53 | 10°36 | 12°17 | 9°49 | 4°41 | S 8 |
| M 9 | 11 10 32 | 19° 2'28 | 19°11 | 3°40 | 22°57 | 1° 5 | 25°29 | 24°55 | 22° 0 | 12°47 | 3°52 | 10°32 | 12°14 | 9°56 | 4°43 | M 9 |
| T 10 | 11 14 29 | 20° 2'54 | 3♉53 | 5°21 | 24°11 | 1°52 | 25°42 | 25° 0 | 21°58 | 12°48 | 3°51 | 10°D30 | 12°11 | 10° 2 | 4°45 | T 10 |
| W11 | 11 18 25 | 21° 3'18 | 18°26 | 6°59 | 25°25 | 2°39 | 25°55 | 25° 4 | 21°55 | 12°49 | 3°50 | 10°30 | 12° 7 | 10° 9 | 4°46 | W11 |
| T 12 | 11 22 22 | 22° 3'40 | 2♊46 | 8°33 | 26°39 | 3°26 | 26° 8 | 25° 9 | 21°52 | 12°51 | 3°49 | 10°31 | 12° 4 | 10°16 | 4°48 | T 12 |
| F 13 | 11 26 18 | 23° 4'01 | 16°51 | 10° 3 | 27°54 | 4°13 | 26°22 | 25°14 | 21°50 | 12°52 | 3°48 | 10°R32 | 12° 1 | 10°22 | 4°50 | F 13 |
| S 14 | 11 30 15 | 24° 4'19 | 0♋41 | 11°28 | 29° 8 | 5° 0 | 26°35 | 25°19 | 21°47 | 12°53 | 3°47 | 10°32 | 11°58 | 10°29 | 4°52 | S 14 |
| S 15 | 11 34 12 | 25° 4'36 | 14°15 | 12°48 | 0♓22 | 5°47 | 26°49 | 25°24 | 21°44 | 12°54 | 3°45 | 10°30 | 11°55 | 10°36 | 4°54 | S 15 |
| M16 | 11 38 8 | 26° 4'50 | 27°35 | 14° 2 | 1°37 | 6°34 | 27° 2 | 25°29 | 21°42 | 12°55 | 3°44 | 10°26 | 11°51 | 10°42 | 4°56 | M16 |
| T 17 | 11 42 5 | 27° 5'03 | 10♌42 | 15°10 | 2°51 | 7°21 | 27°16 | 25°34 | 21°39 | 12°56 | 3°43 | 10°20 | 11°48 | 10°49 | 4°58 | T 17 |
| W18 | 11 46 1 | 28° 5'13 | 23°36 | 16°10 | 4° 5 | 8° 8 | 27°29 | 25°39 | 21°37 | 12°56 | 3°42 | 10°13 | 11°45 | 10°56 | 5° 0 | W18 |
| T 19 | 11 49 58 | 29° 5'22 | 6♍17 | 17° 3 | 5°19 | 8°55 | 27°43 | 25°45 | 21°34 | 12°57 | 3°40 | 10° 6 | 11°42 | 11° 2 | 5° 2 | T 19 |
| F 20 | 11 53 54 | 0♈ 5'29 | 18°46 | 17°47 | 6°34 | 9°42 | 27°56 | 25°50 | 21°31 | 12°58 | 3°39 | 9°58 | 11°39 | 11° 9 | 5° 5 | F 20 |
| S 21 | 11 57 51 | 1° 5'34 | 1♎ 4 | 18°24 | 7°48 | 10°29 | 28°10 | 25°55 | 21°29 | 12°59 | 3°38 | 9°52 | 11°36 | 11°16 | 5° 7 | S 21 |
| S 22 | 12 1 47 | 2° 5'37 | 13°12 | 18°51 | 9° 2 | 11°16 | 28°24 | 26° 1 | 21°26 | 13° 0 | 3°36 | 9°47 | 11°32 | 11°22 | 5° 9 | S 22 |
| M23 | 12 5 44 | 3° 5'38 | 25°11 | 19°10 | 10°17 | 12° 3 | 28°38 | 26° 6 | 21°24 | 13° 0 | 3°35 | 9°44 | 11°29 | 11°29 | 5°12 | M23 |
| T 24 | 12 9 40 | 4° 5'38 | 7♏ 3 | 19°19 | 11°31 | 12°50 | 28°52 | 26°12 | 21°21 | 13° 1 | 3°34 | 9°D43 | 11°26 | 11°35 | 5°14 | T 24 |
| W25 | 12 13 37 | 5° 5'36 | 18°50 | 19°R19 | 12°45 | 13°37 | 29° 6 | 26°18 | 21°19 | 13° 2 | 3°32 | 9°43 | 11°23 | 11°42 | 5°17 | W25 |
| T 26 | 12 17 34 | 6° 5'32 | 0♐37 | 19°11 | 14° 0 | 14°24 | 29°19 | 26°24 | 21°16 | 13° 2 | 3°31 | 9°44 | 11°20 | 11°49 | 5°19 | T 26 |
| F 27 | 12 21 30 | 7° 5'27 | 12°28 | 18°54 | 15°14 | 15°11 | 29°33 | 26°29 | 21°13 | 13° 3 | 3°29 | 9°46 | 11°17 | 11°55 | 5°22 | F 27 |
| S 28 | 12 25 27 | 8° 5'20 | 24°27 | 18°29 | 16°28 | 15°58 | 29°47 | 26°35 | 21°11 | 13° 4 | 3°28 | 9°48 | 11°13 | 12° 2 | 5°25 | S 28 |
| S 29 | 12 29 23 | 9° 5'11 | 6♋38 | 17°57 | 17°42 | 16°45 | 0♉ 2 | 26°41 | 21° 9 | 13° 4 | 3°26 | 9°R49 | 11°10 | 12° 9 | 5°27 | S 29 |
| M30 | 12 33 20 | 10° 5'01 | 19° 8 | 17°19 | 18°57 | 17°32 | 0°16 | 26°47 | 21° 6 | 13° 5 | 3°25 | 9°48 | 11° 7 | 12°15 | 5°30 | M30 |
| T 31 | 12 37 16 | 11♈ 4'50 | 2♒ 0 | 16♈35 | 20♓11 | 18♓19 | 0♉30 | 26♉53 | 21♍ 4 | 13♋ 5 | 3♏23 | 9♉47 | 11♉ 4 | 12♏22 | 5♊33 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7s25 | 27s 3 | 3s44 | 5s31 | 1s24 | 17s 3 | 0s14 | 14s12 | 1s 5 | 8n11 | 1s 5 | 16n43 | 2s 6 | 3n47 | 0n50 | 21s38 | 1n 6 | 3n40 | 17n26 | 15n12 | 15n33 | 14s 8 | 16n36 | 4s24 |
| M 2 | 7 2 | 27 15 | 4 24 | 4 41 | 1 17 | 16 44 | 0 17 | 13 56 | 1 5 | 8 15 | 1 5 | 16 44 | 2 6 | 3 48 | 0 50 | 21 38 | 1 6 | 3 40 | 17 26 | 15 11 | 15 32 | 14 11 | 16 37 | 4 24 |
| T 3 | 6 39 | 25 59 | 4 52 | 3 51 | 1 9 | 16 25 | 0 20 | 13 41 | 1 5 | 8 20 | 1 4 | 16 46 | 2 6 | 3 49 | 0 50 | 21 38 | 1 6 | 3 41 | 17 27 | 15 9 | 15 31 | 14 14 | 16 37 | 4 24 |
| W 4 | 6 16 | 23 15 | 5 5 | 3 0 | 1 1 | 16 6 | 0 23 | 13 25 | 1 6 | 8 25 | 1 4 | 16 47 | 2 6 | 3 50 | 0 50 | 21 37 | 1 6 | 3 42 | 17 27 | 15 6 | 15 30 | 14 17 | 16 37 | 4 24 |
| T 5 | 5 53 | 19 8 | 5 1 | 2 8 | 0 52 | 15 46 | 0 25 | 13 9 | 1 6 | 8 30 | 1 4 | 16 48 | 2 5 | 3 51 | 0 50 | 21 37 | 1 6 | 3 43 | 17 27 | 15 3 | 15 29 | 14 20 | 16 38 | 4 23 |
| F 6 | 5 29 | 13 50 | 4 38 | 1 16 | 0 42 | 15 25 | 0 28 | 12 53 | 1 6 | 8 34 | 1 4 | 16 49 | 2 5 | 3 52 | 0 50 | 21 37 | 1 6 | 3 43 | 17 28 | 15 0 | 15 29 | 14 22 | 16 38 | 4 23 |
| S 7 | 5 6 | 7 41 | 3 58 | 0 25 | 0 32 | 15 5 | 0 31 | 12 37 | 1 6 | 8 39 | 1 4 | 16 51 | 2 5 | 3 53 | 0 50 | 21 37 | 1 6 | 3 44 | 17 28 | 14 58 | 15 28 | 14 25 | 16 39 | 4 23 |
| S 8 | 4 42 | 1 1 | 3 1 | 0n27 | 0 21 | 14 43 | 0 33 | 12 21 | 1 6 | 8 44 | 1 4 | 16 52 | 2 5 | 3 54 | 0 50 | 21 37 | 1 6 | 3 45 | 17 29 | 14 56 | 15 27 | 14 28 | 16 39 | 4 23 |
| M 9 | 4 19 | 5n45 | 1 52 | 1 19 | 0 9 | 14 22 | 0 36 | 12 4 | 1 6 | 8 49 | 1 4 | 16 53 | 2 4 | 3 55 | 0 50 | 21 37 | 1 6 | 3 46 | 17 29 | 14 54 | 15 26 | 14 31 | 16 40 | 4 23 |
| T 10 | 3 55 | 12 11 | 0 36 | 2 9 | 0n 3 | 14 0 | 0 38 | 11 48 | 1 7 | 8 54 | 1 4 | 16 54 | 2 4 | 3 56 | 0 50 | 21 37 | 1 6 | 3 46 | 17 30 | 14 54 | 15 25 | 14 34 | 16 40 | 4 22 |
| W11 | 3 32 | 17 54 | 0n43 | 3 0 | 0 15 | 13 37 | 0 41 | 11 31 | 1 7 | 8 59 | 1 3 | 16 56 | 2 4 | 3 57 | 0 50 | 21 36 | 1 6 | 3 47 | 17 30 | 14 54 | 15 24 | 14 37 | 16 41 | 4 22 |
| T 12 | 3 8 | 22 31 | 1 57 | 3 49 | 0 29 | 13 14 | 0 43 | 11 14 | 1 7 | 9 3 | 1 3 | 16 57 | 2 4 | 3 58 | 0 50 | 21 36 | 1 6 | 3 48 | 17 31 | 14 54 | 15 23 | 14 40 | 16 41 | 4 22 |
| F 13 | 2 44 | 25 43 | 3 3 | 4 36 | 0 42 | 12 51 | 0 45 | 10 57 | 1 7 | 9 8 | 1 3 | 16 59 | 2 3 | 3 59 | 0 50 | 21 36 | 1 6 | 3 49 | 17 31 | 14 54 | 15 22 | 14 43 | 16 42 | 4 22 |
| S 14 | 2 21 | 27 16 | 3 58 | 5 22 | 0 56 | 12 28 | 0 48 | 10 40 | 1 7 | 9 13 | 1 3 | 17 0 | 2 3 | 4 0 | 0 50 | 21 36 | 1 6 | 3 49 | 17 31 | 14 54 | 15 21 | 14 46 | 16 42 | 4 22 |
| S 15 | 1 57 | 27 9 | 4 37 | 6 6 | 1 10 | 12 4 | 0 50 | 10 23 | 1 7 | 9 18 | 1 3 | 17 1 | 2 3 | 4 1 | 0 50 | 21 36 | 1 6 | 3 50 | 17 32 | 14 54 | 15 20 | 14 49 | 16 43 | 4 21 |
| M16 | 1 33 | 25 27 | 5 1 | 6 48 | 1 24 | 11 40 | 0 52 | 10 6 | 1 7 | 9 23 | 1 3 | 17 3 | 2 3 | 4 2 | 0 50 | 21 36 | 1 6 | 3 51 | 17 32 | 14 52 | 15 19 | 14 52 | 16 43 | 4 21 |
| T 17 | 1 9 | 22 25 | 5 9 | 7 27 | 1 38 | 11 15 | 0 54 | 9 49 | 1 7 | 9 28 | 1 3 | 17 4 | 2 2 | 4 3 | 0 50 | 21 36 | 1 6 | 3 52 | 17 33 | 14 51 | 15 18 | 14 55 | 16 44 | 4 21 |
| W18 | 0 45 | 18 19 | 5 1 | 8 3 | 1 52 | 10 50 | 0 56 | 9 31 | 1 8 | 9 33 | 1 3 | 17 6 | 2 2 | 4 4 | 0 50 | 21 36 | 1 6 | 3 52 | 17 33 | 14 48 | 15 17 | 14 57 | 16 44 | 4 21 |
| T 19 | 0 22 | 13 28 | 4 38 | 8 35 | 2 5 | 10 25 | 0 58 | 9 14 | 1 8 | 9 38 | 1 3 | 17 7 | 2 2 | 4 5 | 0 50 | 21 35 | 1 6 | 3 53 | 17 33 | 14 46 | 15 16 | 15 0 | 16 45 | 4 21 |
| F 20 | 0n 2 | 8 8 | 4 2 | 9 5 | 2 18 | 10 0 | 1 0 | 8 56 | 1 8 | 9 43 | 1 2 | 17 8 | 2 2 | 4 6 | 0 50 | 21 35 | 1 6 | 3 54 | 17 34 | 14 44 | 15 15 | 15 3 | 16 46 | 4 21 |
| S 21 | 0 26 | 2 33 | 3 15 | 9 30 | 2 31 | 9 34 | 1 2 | 8 39 | 1 8 | 9 48 | 1 2 | 17 10 | 2 2 | 4 7 | 0 50 | 21 35 | 1 6 | 3 55 | 17 34 | 14 42 | 15 14 | 15 6 | 16 46 | 4 20 |
| S 22 | 0 50 | 3s 3 | 2 19 | 9 51 | 2 42 | 9 8 | 1 4 | 8 21 | 1 8 | 9 53 | 1 2 | 17 11 | 2 1 | 4 8 | 0 50 | 21 35 | 1 6 | 3 55 | 17 34 | 14 40 | 15 13 | 15 9 | 16 47 | 4 20 |
| M23 | 1 13 | 8 28 | 1 18 | 10 8 | 2 53 | 8 42 | 1 6 | 8 3 | 1 8 | 9 58 | 1 2 | 17 13 | 2 1 | 4 9 | 0 50 | 21 35 | 1 6 | 3 56 | 17 35 | 14 39 | 15 12 | 15 12 | 16 47 | 4 20 |
| T 24 | 1 37 | 13 34 | 0 15 | 10 21 | 3 3 | 8 15 | 1 8 | 7 45 | 1 8 | 10 3 | 1 2 | 17 14 | 2 1 | 4 10 | 0 50 | 21 35 | 1 6 | 3 57 | 17 35 | 14 39 | 15 11 | 15 15 | 16 48 | 4 20 |
| W25 | 2 1 | 18 8 | 0s50 | 10 29 | 3 11 | 7 49 | 1 9 | 7 27 | 1 8 | 10 8 | 1 2 | 17 16 | 2 1 | 4 11 | 0 50 | 21 35 | 1 6 | 3 57 | 17 35 | 14 39 | 15 10 | 15 18 | 16 48 | 4 20 |
| T 26 | 2 24 | 22 0 | 1 52 | 10 32 | 3 18 | 7 22 | 1 11 | 7 9 | 1 8 | 10 13 | 1 2 | 17 17 | 2 1 | 4 12 | 0 50 | 21 35 | 1 6 | 3 58 | 17 35 | 14 39 | 15 9 | 15 20 | 16 49 | 4 20 |
| F 27 | 2 48 | 24 59 | 2 50 | 10 31 | 3 24 | 6 55 | 1 13 | 6 51 | 1 8 | 10 18 | 1 2 | 17 19 | 2 0 | 4 13 | 0 50 | 21 35 | 1 6 | 3 59 | 17 36 | 14 40 | 15 8 | 15 23 | 16 50 | 4 19 |
| S 28 | 3 12 | 26 53 | 3 41 | 10 25 | 3 28 | 6 27 | 1 14 | 6 33 | 1 8 | 10 23 | 1 2 | 17 21 | 2 0 | 4 14 | 0 50 | 21 35 | 1 6 | 4 0 | 17 36 | 14 40 | 15 7 | 15 26 | 16 50 | 4 19 |
| S 29 | 3 35 | 27 32 | 4 23 | 10 14 | 3 30 | 6 0 | 1 16 | 6 15 | 1 8 | 10 28 | 1 2 | 17 22 | 2 0 | 4 15 | 0 50 | 21 35 | 1 6 | 4 0 | 17 36 | 14 41 | 15 6 | 15 29 | 16 51 | 4 19 |
| M30 | 3 58 | 26 48 | 4 54 | 10 0 | 3 30 | 5 32 | 1 17 | 5 57 | 1 8 | 10 33 | 1 1 | 17 24 | 2 0 | 4 16 | 0 50 | 21 34 | 1 6 | 4 1 | 17 37 | 14 41 | 15 5 | 15 32 | 16 52 | 4 19 |
| T 31 | 4n22 | 24s40 | 5s11 | 9n41 | 3n28 | 5s 4 | 1s18 | 5s38 | 1s 8 | 10n38 | 1s 1 | 17n25 | 2s 0 | 4n17 | 0n50 | 21s34 | 1n 6 | 4n 2 | 17n37 | 14n40 | 15n 4 | 15s35 | 16n52 | 4s19 |

Julian Day Number = 2806620.5, Delta T = 51m53s
Ecliptic obliquity = 23°18'55, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°20'56, Lahiri = 37°27'56


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# ASTRODIENST EPHEMERIS for the year 2972
# geocentric

## APRIL 2972 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 41 13 | 12♈ 4'36 | 15♒18 | 15°R46 | 21♓25 | 19♓ 6 | 0♉44 | 27♉ 0 | 21°R 1 | 13♑ 6 | 3°R22 | 9°R44 | 11♉ 1 | 12♏29 | 5♊36 | W 1 |
| T 2 | 12 45 9 | 13° 4'21 | 29° 3 | 14♈54 | 22°40 | 19°53 | 0°58 | 27° 6 | 20♍59 | 13° 6 | 3♏20 | 9♉40 | 10°57 | 12°35 | 5°39 | T 2 |
| F 3 | 12 49 6 | 14° 4'04 | 13♓16 | 14° 0 | 23°54 | 20°40 | 1°12 | 27°12 | 20°56 | 13° 6 | 3°19 | 9°36 | 10°54 | 12°42 | 5°42 | F 3 |
| S 4 | 12 53 3 | 15° 3'46 | 27°52 | 13° 5 | 25° 8 | 21°27 | 1°27 | 27°18 | 20°54 | 13° 7 | 3°17 | 9°33 | 10°51 | 12°49 | 5°45 | S 4 |
| S 5 | 12 56 59 | 16° 3'25 | 12♈46 | 12°10 | 26°23 | 22°14 | 1°41 | 27°25 | 20°52 | 13° 7 | 3°16 | 9°30 | 10°48 | 12°55 | 5°48 | S 5 |
| M 6 | 13 0 56 | 17° 3'03 | 27°49 | 11°16 | 27°37 | 23° 1 | 1°55 | 27°31 | 20°50 | 13° 7 | 3°14 | 9°29 | 10°45 | 13° 2 | 5°51 | M 6 |
| T 7 | 13 4 52 | 18° 2'38 | 12♉53 | 10°25 | 28°51 | 23°49 | 2° 9 | 27°38 | 20°47 | 13° 8 | 3°12 | 9°D28 | 10°42 | 13° 8 | 5°54 | T 7 |
| W 8 | 13 8 49 | 19° 2'12 | 27°49 | 9°37 | 0♈ 6 | 24°36 | 2°24 | 27°44 | 20°45 | 13° 8 | 3°11 | 9°29 | 10°38 | 13°15 | 5°57 | W 8 |
| T 9 | 13 12 45 | 20° 1'43 | 12♊30 | 8°53 | 1°20 | 25°23 | 2°38 | 27°51 | 20°43 | 13° 8 | 3° 9 | 9°30 | 10°35 | 13°22 | 6° 1 | T 9 |
| F 10 | 13 16 42 | 21° 1'13 | 26°51 | 8°14 | 2°34 | 26°10 | 2°52 | 27°57 | 20°41 | 13° 8 | 3° 7 | 9°31 | 10°32 | 13°28 | 6° 4 | F 10 |
| S 11 | 13 20 38 | 22° 0'40 | 10♋50 | 7°39 | 3°48 | 26°57 | 3° 7 | 28° 4 | 20°39 | 13° 8 | 3° 6 | 9°32 | 10°29 | 13°35 | 6° 7 | S 11 |
| S 12 | 13 24 35 | 23° 0'04 | 24°27 | 7°10 | 5° 3 | 27°44 | 3°21 | 28°11 | 20°36 | 13° 8 | 3° 4 | 9°R33 | 10°26 | 13°42 | 6°10 | S 12 |
| M13 | 13 28 32 | 23°59'26 | 7♌42 | 6°47 | 6°17 | 28°31 | 3°36 | 28°18 | 20°34 | 13° 8 | 3° 3 | 9°32 | 10°23 | 13°48 | 6°14 | M13 |
| T 14 | 13 32 28 | 24°58'46 | 20°39 | 6°30 | 7°31 | 29°18 | 3°50 | 28°24 | 20°32 | 13°R 8 | 3° 1 | 9°31 | 10°19 | 13°55 | 6°17 | T 14 |
| W15 | 13 36 25 | 25°58'04 | 3♍18 | 6°18 | 8°45 | 0♈ 5 | 4° 5 | 28°31 | 20°30 | 13° 8 | 2°59 | 9°29 | 10°16 | 14° 2 | 6°21 | W15 |
| T 16 | 13 40 21 | 26°57'20 | 15°43 | 6°12 | 9°59 | 0°52 | 4°19 | 28°38 | 20°28 | 13° 8 | 2°58 | 9°27 | 10°13 | 14° 8 | 6°24 | T 16 |
| F 17 | 13 44 18 | 27°56'33 | 27°57 | 6°D12 | 11°14 | 1°39 | 4°34 | 28°45 | 20°26 | 13° 8 | 2°56 | 9°26 | 10°10 | 14°15 | 6°28 | F 17 |
| S 18 | 13 48 14 | 28°55'44 | 10♎ 1 | 6°17 | 12°28 | 2°26 | 4°48 | 28°52 | 20°25 | 13° 8 | 2°54 | 9°24 | 10° 7 | 14°22 | 6°31 | S 18 |
| S 19 | 13 52 11 | 29°54'53 | 21°58 | 6°28 | 13°42 | 3°13 | 5° 2 | 28°59 | 20°23 | 13° 8 | 2°52 | 9°23 | 10° 3 | 14°28 | 6°35 | S 19 |
| M20 | 13 56 7 | 0♉54'00 | 3♏49 | 6°43 | 14°56 | 3°59 | 5°17 | 29° 6 | 20°21 | 13° 8 | 2°51 | 9°D23 | 10° 0 | 14°35 | 6°39 | M20 |
| T 21 | 14 0 4 | 1°53'05 | 15°38 | 7° 4 | 16°10 | 4°46 | 5°31 | 29°13 | 20°19 | 13° 7 | 2°49 | 9°23 | 9°57 | 14°41 | 6°42 | T 21 |
| W22 | 14 4 1 | 2°52'08 | 27°26 | 7°29 | 17°25 | 5°33 | 5°46 | 29°20 | 20°17 | 13° 7 | 2°47 | 9°23 | 9°54 | 14°48 | 6°46 | W22 |
| T 23 | 14 7 57 | 3°51'10 | 9♐15 | 7°59 | 18°39 | 6°20 | 6° 0 | 29°28 | 20°16 | 13° 7 | 2°46 | 9°24 | 9°51 | 14°55 | 6°50 | T 23 |
| F 24 | 14 11 54 | 4°50'10 | 21° 9 | 8°33 | 19°53 | 7° 7 | 6°15 | 29°35 | 20°14 | 13° 7 | 2°44 | 9°24 | 9°48 | 15° 1 | 6°53 | F 24 |
| S 25 | 14 15 50 | 5°49'07 | 3♑11 | 9°11 | 21° 7 | 7°54 | 6°30 | 29°42 | 20°12 | 13° 6 | 2°42 | 9°25 | 9°44 | 15° 8 | 6°57 | S 25 |
| S 26 | 14 19 47 | 6°48'03 | 15°24 | 9°53 | 22°21 | 8°41 | 6°44 | 29°49 | 20°11 | 13° 6 | 2°41 | 9°25 | 9°41 | 15°15 | 7° 1 | S 26 |
| M27 | 14 23 43 | 7°46'58 | 27°53 | 10°38 | 23°35 | 9°28 | 6°59 | 29°57 | 20° 9 | 13° 5 | 2°39 | 9°25 | 9°38 | 15°21 | 7° 5 | M27 |
| T 28 | 14 27 40 | 8°45'51 | 10♒41 | 11°27 | 24°49 | 10°14 | 7°13 | 0♊ 4 | 20° 8 | 13° 5 | 2°37 | 9°R25 | 9°35 | 15°28 | 7° 9 | T 28 |
| W29 | 14 31 36 | 9°44'42 | 23°53 | 12°19 | 26° 4 | 11° 1 | 7°28 | 0°11 | 20° 6 | 13° 4 | 2°36 | 9°D25 | 9°32 | 15°35 | 7°13 | W29 |
| T 30 | 14 35 33 | 10♉43'31 | 7♓29 | 13♈14 | 27♈18 | 11♈48 | 7♉42 | 0♊19 | 20♍ 5 | 13♑ 4 | 2♏34 | 9♉25 | 9♉28 | 15♏41 | 7♊16 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4n45 | 21s 8 | 5s12 | 9n19 | 3n24 | 4s36 | 1s20 | 5s20 | 1s 8 | 10n43 | 1s 1 | 17n27 | 1s59 | 4n18 | 0n50 | 21s34 | 1n 7 | 4n 3 | 17n37 | 14n39 | 15n 3 | 15s38 | 16n53 | 4s19 |
| T 2 | 5 8 | 16 22 | 4 56 | 8 53 | 3 18 | 4 8 | 1 21 | 5 2 | 1 8 | 10 48 | 1 1 | 17 28 | 1 59 | 4 19 | 0 50 | 21 34 | 1 7 | 4 3 | 17 37 | 14 38 | 15 2 | 15 41 | 16 53 | 4 19 |
| F 3 | 5 31 | 10 34 | 4 22 | 8 25 | 3 11 | 3 40 | 1 22 | 4 43 | 1 8 | 10 53 | 1 1 | 17 30 | 1 59 | 4 20 | 0 50 | 21 34 | 1 7 | 4 4 | 17 38 | 14 37 | 15 1 | 15 43 | 16 54 | 4 18 |
| S 4 | 5 54 | 4 3 | 3 29 | 7 56 | 3 2 | 3 12 | 1 23 | 4 25 | 1 8 | 10 58 | 1 1 | 17 32 | 1 59 | 4 21 | 0 50 | 21 34 | 1 7 | 4 5 | 17 38 | 14 36 | 15 0 | 15 46 | 16 55 | 4 18 |
| S 5 | 6 17 | 2n50 | 2 22 | 7 24 | 2 51 | 2 43 | 1 24 | 4 6 | 1 8 | 11 3 | 1 1 | 17 33 | 1 59 | 4 22 | 0 49 | 21 34 | 1 7 | 4 5 | 17 38 | 14 35 | 14 59 | 15 49 | 16 55 | 4 18 |
| M 6 | 6 40 | 9 39 | 1 4 | 6 52 | 2 39 | 2 15 | 1 25 | 3 48 | 1 8 | 11 7 | 1 1 | 17 35 | 1 59 | 4 23 | 0 49 | 21 34 | 1 7 | 4 6 | 17 38 | 14 34 | 14 58 | 15 52 | 16 56 | 4 18 |
| T 7 | 7 3 | 15 55 | 0n19 | 6 20 | 2 25 | 1 46 | 1 26 | 3 29 | 1 8 | 11 12 | 1 1 | 17 36 | 1 58 | 4 23 | 0 49 | 21 34 | 1 7 | 4 7 | 17 38 | 14 34 | 14 57 | 15 55 | 16 57 | 4 18 |
| W 8 | 7 25 | 21 11 | 1 40 | 5 48 | 2 11 | 1 17 | 1 27 | 3 10 | 1 8 | 11 17 | 1 1 | 17 38 | 1 58 | 4 24 | 0 49 | 21 34 | 1 7 | 4 7 | 17 38 | 14 35 | 14 56 | 15 58 | 16 57 | 4 18 |
| T 9 | 7 47 | 25 2 | 2 53 | 5 17 | 1 56 | 0 49 | 1 27 | 2 52 | 1 8 | 11 22 | 1 1 | 17 40 | 1 58 | 4 25 | 0 49 | 21 34 | 1 7 | 4 8 | 17 39 | 14 35 | 14 55 | 16 0 | 16 58 | 4 18 |
| F 10 | 8 10 | 27 9 | 3 53 | 4 47 | 1 41 | 0 20 | 1 28 | 2 33 | 1 8 | 11 27 | 1 1 | 17 41 | 1 58 | 4 26 | 0 49 | 21 34 | 1 7 | 4 9 | 17 39 | 14 35 | 14 54 | 16 3 | 16 59 | 4 18 |
| S 11 | 8 32 | 27 29 | 4 38 | 4 19 | 1 25 | 0n 9 | 1 29 | 2 14 | 1 7 | 11 32 | 1 1 | 17 43 | 1 58 | 4 27 | 0 49 | 21 34 | 1 7 | 4 9 | 17 39 | 14 36 | 14 53 | 16 6 | 16 59 | 4 17 |
| S 12 | 8 54 | 26 8 | 5 6 | 3 53 | 1 9 | 0 38 | 1 29 | 1 56 | 1 7 | 11 37 | 1 1 | 17 44 | 1 58 | 4 28 | 0 49 | 21 34 | 1 7 | 4 10 | 17 39 | 14 36 | 14 52 | 16 9 | 17 0 | 4 17 |
| M13 | 9 16 | 23 20 | 5 16 | 3 30 | 0 53 | 1 7 | 1 30 | 1 37 | 1 7 | 11 42 | 1 0 | 17 46 | 1 57 | 4 28 | 0 49 | 21 34 | 1 7 | 4 11 | 17 39 | 14 36 | 14 51 | 16 12 | 17 1 | 4 17 |
| T 14 | 9 37 | 19 26 | 5 10 | 3 8 | 0 37 | 1 35 | 1 30 | 1 18 | 1 7 | 11 47 | 1 0 | 17 48 | 1 57 | 4 29 | 0 49 | 21 34 | 1 7 | 4 11 | 17 39 | 14 35 | 14 50 | 16 15 | 17 1 | 4 17 |
| W15 | 9 59 | 14 45 | 4 50 | 2 49 | 0 22 | 2 4 | 1 30 | 1 0 | 1 7 | 11 52 | 1 0 | 17 49 | 1 57 | 4 30 | 0 49 | 21 34 | 1 7 | 4 12 | 17 39 | 14 35 | 14 49 | 16 17 | 17 2 | 4 17 |
| T 16 | 10 20 | 9 32 | 4 15 | 2 33 | 0 6 | 2 33 | 1 30 | 0 41 | 1 7 | 11 57 | 1 0 | 17 51 | 1 57 | 4 31 | 0 49 | 21 34 | 1 7 | 4 12 | 17 39 | 14 34 | 14 48 | 16 20 | 17 3 | 4 17 |
| F 17 | 10 41 | 4 2 | 3 30 | 2 19 | 0s 8 | 3 2 | 1 31 | 0 22 | 1 7 | 12 2 | 1 0 | 17 53 | 1 57 | 4 31 | 0 49 | 21 34 | 1 7 | 4 13 | 17 39 | 14 34 | 14 47 | 16 23 | 17 3 | 4 17 |
| S 18 | 11 2 | 1s33 | 2 36 | 2 8 | 0 22 | 3 30 | 1 31 | 0 4 | 1 7 | 12 6 | 1 0 | 17 54 | 1 57 | 4 32 | 0 49 | 21 34 | 1 7 | 4 14 | 17 40 | 14 33 | 14 46 | 16 26 | 17 4 | 4 17 |
| S 19 | 11 23 | 7 2 | 1 35 | 2 0 | 0 36 | 3 59 | 1 31 | 0n15 | 1 6 | 12 11 | 1 0 | 17 56 | 1 56 | 4 33 | 0 49 | 21 34 | 1 7 | 4 14 | 17 40 | 14 33 | 14 45 | 16 29 | 17 5 | 4 17 |
| M20 | 11 44 | 12 15 | 0 31 | 1 54 | 0 49 | 4 27 | 1 31 | 0 34 | 1 6 | 12 16 | 1 0 | 17 58 | 1 56 | 4 34 | 0 49 | 21 34 | 1 7 | 4 15 | 17 40 | 14 33 | 14 44 | 16 31 | 17 5 | 4 17 |
| T 21 | 12 4 | 16 59 | 0s35 | 1 51 | 1 1 | 4 56 | 1 31 | 0 52 | 1 6 | 12 21 | 1 0 | 17 59 | 1 56 | 4 34 | 0 49 | 21 34 | 1 7 | 4 15 | 17 40 | 14 33 | 14 43 | 16 34 | 17 6 | 4 16 |
| W22 | 12 24 | 21 5 | 1 39 | 1 50 | 1 13 | 5 24 | 1 31 | 1 11 | 1 6 | 12 26 | 1 0 | 18 1 | 1 56 | 4 35 | 0 49 | 21 34 | 1 7 | 4 16 | 17 40 | 14 33 | 14 42 | 16 37 | 17 7 | 4 16 |
| T 23 | 12 44 | 24 20 | 2 39 | 1 51 | 1 24 | 5 53 | 1 30 | 1 30 | 1 6 | 12 31 | 1 0 | 18 3 | 1 56 | 4 35 | 0 49 | 21 34 | 1 7 | 4 16 | 17 40 | 14 33 | 14 41 | 16 40 | 17 7 | 4 16 |
| F 24 | 13 4 | 26 33 | 3 32 | 1 55 | 1 35 | 6 21 | 1 30 | 1 48 | 1 6 | 12 35 | 1 0 | 18 4 | 1 56 | 4 36 | 0 49 | 21 34 | 1 7 | 4 17 | 17 40 | 14 33 | 14 40 | 16 43 | 17 8 | 4 16 |
| S 25 | 13 24 | 27 33 | 4 17 | 2 1 | 1 44 | 6 49 | 1 30 | 2 7 | 1 5 | 12 40 | 1 0 | 18 6 | 1 56 | 4 37 | 0 49 | 21 34 | 1 7 | 4 18 | 17 40 | 14 33 | 14 39 | 16 45 | 17 9 | 4 16 |
| S 26 | 13 43 | 27 14 | 4 50 | 2 9 | 1 54 | 7 17 | 1 29 | 2 25 | 1 5 | 12 45 | 1 0 | 18 7 | 1 56 | 4 37 | 0 49 | 21 34 | 1 7 | 4 18 | 17 40 | 14 33 | 14 38 | 16 48 | 17 9 | 4 16 |
| M27 | 14 2 | 25 34 | 5 11 | 2 19 | 2 2 | 7 44 | 1 29 | 2 44 | 1 5 | 12 50 | 1 0 | 18 9 | 1 55 | 4 38 | 0 49 | 21 34 | 1 7 | 4 19 | 17 40 | 14 33 | 14 37 | 16 51 | 17 10 | 4 16 |
| T 28 | 14 21 | 22 33 | 5 18 | 2 31 | 2 10 | 8 12 | 1 28 | 3 2 | 1 5 | 12 54 | 1 0 | 18 11 | 1 55 | 4 38 | 0 49 | 21 34 | 1 7 | 4 19 | 17 40 | 14 33 | 14 36 | 16 54 | 17 11 | 4 16 |
| W29 | 14 39 | 18 20 | 5 8 | 2 45 | 2 17 | 8 39 | 1 28 | 3 21 | 1 5 | 12 59 | 1 0 | 18 12 | 1 55 | 4 39 | 0 49 | 21 34 | 1 7 | 4 20 | 17 40 | 14 33 | 14 35 | 16 56 | 17 11 | 4 16 |
| T 30 | 14n58 | 13s 3 | 4s41 | 3n 0 | 2s23 | 9n 6 | 1s27 | 3n39 | 1s 4 | 13n 4 | 1s 0 | 18n14 | 1s55 | 4n39 | 0n49 | 21s34 | 1n 7 | 4n20 | 17n39 | 14n33 | 14n34 | 16s59 | 17n12 | 4s16 |

Julian Day Number = 2806651.5, Delta T = 51m54s
Ecliptic obliquity = 23°18'55, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'00, Lahiri = 37°28'00


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# ASTRODIENST EPHEMERIS for the year 2972
# geocentric

## MAY 2972 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 39 30 | 11♉42'18 | 21♓33 | 14♈13 | 28♈32 | 12♈35 | 7♉57 | 0♊26 | 20°R 4 | 13°R 3 | 2°R32 | 9♉25 | 9♉25 | 15♏48 | 7♊20 | F 1 |
| S 2 | 14 43 26 | 12°41'04 | 6♈ 1 | 15°14 | 29°46 | 13°21 | 8°11 | 0°34 | 20♍ 2 | 13♎ 3 | 2♏31 | 9°26 | 9°22 | 15°55 | 7°24 | S 2 |
| S 3 | 14 47 23 | 13°39'48 | 20°51 | 16°18 | 1♉ 0 | 14° 8 | 8°26 | 0°41 | 20° 1 | 13° 2 | 2°29 | 9°26 | 9°19 | 16° 1 | 7°28 | S 3 |
| M 4 | 14 51 19 | 14°38'31 | 5♉57 | 17°24 | 2°14 | 14°55 | 8°40 | 0°48 | 20° 0 | 13° 2 | 2°27 | 9°R26 | 9°16 | 16° 8 | 7°32 | M 4 |
| T 5 | 14 55 16 | 15°37'12 | 21° 9 | 18°33 | 3°28 | 15°42 | 8°54 | 0°56 | 19°59 | 13° 1 | 2°26 | 9°26 | 9°13 | 16°15 | 7°36 | T 5 |
| W 6 | 14 59 12 | 16°35'50 | 6♊19 | 19°44 | 4°42 | 16°28 | 9° 9 | 1° 3 | 19°58 | 13° 0 | 2°24 | 9°26 | 9° 9 | 16°21 | 7°40 | W 6 |
| T 7 | 15 3 9 | 17°34'27 | 21°16 | 20°58 | 5°56 | 17°15 | 9°23 | 1°11 | 19°57 | 13° 0 | 2°22 | 9°25 | 9° 6 | 16°28 | 7°45 | T 7 |
| F 8 | 15 7 5 | 18°33'02 | 5♋54 | 22°14 | 7°10 | 18° 1 | 9°38 | 1°19 | 19°56 | 12°59 | 2°21 | 9°24 | 9° 3 | 16°34 | 7°49 | F 8 |
| S 9 | 15 11 2 | 19°31'35 | 20° 7 | 23°32 | 8°24 | 18°48 | 9°52 | 1°26 | 19°55 | 12°58 | 2°19 | 9°23 | 9° 0 | 16°41 | 7°53 | S 9 |
| S 10 | 15 14 59 | 20°30'05 | 3♌53 | 24°52 | 9°38 | 19°34 | 10° 7 | 1°34 | 19°54 | 12°57 | 2°18 | 9°22 | 8°57 | 16°48 | 7°57 | S 10 |
| M11 | 15 18 55 | 21°28'34 | 17°13 | 26°14 | 10°52 | 20°21 | 10°21 | 1°41 | 19°53 | 12°56 | 2°16 | 9°D21 | 8°54 | 16°54 | 8° 1 | M11 |
| T 12 | 15 22 52 | 22°27'00 | 0♍ 8 | 27°39 | 12° 6 | 21° 7 | 10°35 | 1°49 | 19°52 | 12°56 | 2°14 | 9°22 | 8°50 | 17° 1 | 8° 5 | T 12 |
| W13 | 15 26 48 | 23°25'24 | 12°43 | 29° 5 | 13°20 | 21°54 | 10°50 | 1°57 | 19°51 | 12°55 | 2°13 | 9°22 | 8°47 | 17° 8 | 8° 9 | W13 |
| T 14 | 15 30 45 | 24°23'46 | 25° 0 | 0♎33 | 14°34 | 22°40 | 11° 4 | 2° 4 | 19°51 | 12°54 | 2°11 | 9°23 | 8°44 | 17°14 | 8°14 | T 14 |
| F 15 | 15 34 41 | 25°22'06 | 7♏ 5 | 2° 3 | 15°48 | 23°27 | 11°18 | 2°12 | 19°50 | 12°53 | 2°10 | 9°25 | 8°41 | 17°21 | 8°18 | F 15 |
| S 16 | 15 38 38 | 26°20'24 | 19° 0 | 3°35 | 17° 2 | 24°13 | 11°32 | 2°20 | 19°49 | 12°52 | 2° 8 | 9°26 | 8°38 | 17°28 | 8°22 | S 16 |
| S 17 | 15 42 34 | 27°18'40 | 0♏50 | 5° 9 | 18°16 | 24°59 | 11°47 | 2°27 | 19°49 | 12°51 | 2° 7 | 9°27 | 8°34 | 17°34 | 8°26 | S 17 |
| M18 | 15 46 31 | 28°16'55 | 12°38 | 6°45 | 19°30 | 25°45 | 12° 1 | 2°35 | 19°48 | 12°50 | 2° 5 | 9°R27 | 8°31 | 17°41 | 8°30 | M18 |
| T 19 | 15 50 28 | 29°15'07 | 24°26 | 8°23 | 20°44 | 26°32 | 12°15 | 2°42 | 19°48 | 12°49 | 2° 4 | 9°26 | 8°28 | 17°48 | 8°35 | T 19 |
| W20 | 15 54 24 | 0♊13'18 | 6♐16 | 10° 3 | 21°58 | 27°18 | 12°29 | 2°50 | 19°48 | 12°48 | 2° 2 | 9°25 | 8°25 | 17°54 | 8°39 | W20 |
| T 21 | 15 58 21 | 1°11'28 | 18°11 | 11°45 | 23°12 | 28° 4 | 12°43 | 2°58 | 19°47 | 12°47 | 2° 1 | 9°22 | 8°22 | 18° 1 | 8°43 | T 21 |
| F 22 | 16 2 17 | 2° 9'35 | 0♑13 | 13°28 | 24°26 | 28°50 | 12°57 | 3° 6 | 19°47 | 12°46 | 2° 0 | 9°18 | 8°19 | 18° 8 | 8°47 | F 22 |
| S 23 | 16 6 14 | 3° 7'42 | 12°23 | 15°14 | 25°40 | 29°36 | 13°11 | 3°13 | 19°47 | 12°44 | 1°58 | 9°15 | 8°15 | 18°14 | 8°52 | S 23 |
| S 24 | 16 10 10 | 4° 5'46 | 24°44 | 17° 1 | 26°54 | 0♉22 | 13°25 | 3°21 | 19°47 | 12°43 | 1°57 | 9°11 | 8°12 | 18°21 | 8°56 | S 24 |
| M25 | 16 14 7 | 5° 3'50 | 7♒19 | 18°50 | 28° 8 | 1° 8 | 13°39 | 3°29 | 19°46 | 12°42 | 1°55 | 9° 8 | 8° 9 | 18°27 | 9° 0 | M25 |
| T 26 | 16 18 3 | 6° 1'52 | 20° 9 | 20°41 | 29°21 | 1°54 | 13°53 | 3°36 | 19°46 | 12°41 | 1°54 | 9° 5 | 8° 6 | 18°34 | 9° 5 | T 26 |
| W27 | 16 22 0 | 6°59'53 | 3♓18 | 22°35 | 0♊35 | 2°40 | 14° 7 | 3°44 | 19°D46 | 12°40 | 1°53 | 9°D 5 | 8° 3 | 18°41 | 9° 9 | W27 |
| T 28 | 16 25 57 | 7°57'52 | 16°47 | 24°30 | 1°49 | 3°26 | 14°21 | 3°52 | 19°46 | 12°38 | 1°52 | 9° 5 | 8° 0 | 18°47 | 9°13 | T 28 |
| F 29 | 16 29 53 | 8°55'50 | 0♈39 | 26°27 | 3° 3 | 4°12 | 14°35 | 3°59 | 19°47 | 12°37 | 1°50 | 9° 6 | 7°56 | 18°54 | 9°17 | F 29 |
| S 30 | 16 33 50 | 9°53'47 | 14°53 | 28°25 | 4°17 | 4°58 | 14°49 | 4° 7 | 19°47 | 12°36 | 1°49 | 9° 7 | 7°53 | 19° 1 | 9°22 | S 30 |
| S 31 | 16 37 46 | 10♊51'43 | 29♈29 | 0♊26 | 5♊31 | 5♉44 | 15♉ 3 | 4♊15 | 19♍47 | 12♎35 | 1♏48 | 9♉ 8 | 7♉50 | 19♏ 7 | 9♊26 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15n16 | 6s57 | 3s56 | 3n17 | 2s29 | 9n33 | 1s26 | 3n58 | 1s 4 | 13n 8 | 1s 0 | 18n16 | 1s55 | 4n40 | 0n49 | 21s34 | 1n 7 | 4n20 | 17n39 | 14n33 | 14n33 | 17s 2 | 17n13 | 4s16 |
| S 2 | 15 34 | 0 18 | 2 55 | 3 36 | 2 34 | 10 0 | 1 25 | 4 16 | 1 4 | 13 13 | 1 0 | 18 17 | 1 55 | 4 40 | 0 49 | 21 34 | 1 7 | 4 21 | 17 39 | 14 34 | 14 32 | 17 5 | 17 13 | 4 16 |
| S 3 | 15 52 | 6n32 | 1 41 | 3 56 | 2 39 | 10 26 | 1 24 | 4 34 | 1 4 | 13 18 | 1 0 | 18 19 | 1 55 | 4 41 | 0 49 | 21 34 | 1 7 | 4 21 | 17 39 | 14 34 | 14 31 | 17 7 | 17 14 | 4 16 |
| M 4 | 16 9 | 13 8 | 0 19 | 4 17 | 2 42 | 10 53 | 1 24 | 4 52 | 1 3 | 13 22 | 1 0 | 18 21 | 1 55 | 4 41 | 0 49 | 21 34 | 1 7 | 4 22 | 17 39 | 14 34 | 14 30 | 17 10 | 17 15 | 4 16 |
| T 5 | 16 26 | 19 0 | 1n 5 | 4 40 | 2 46 | 11 19 | 1 23 | 5 11 | 1 3 | 13 27 | 1 0 | 18 22 | 1 55 | 4 42 | 0 49 | 21 34 | 1 7 | 4 22 | 17 39 | 14 34 | 14 29 | 17 13 | 17 15 | 4 16 |
| W 6 | 16 43 | 23 37 | 2 24 | 5 5 | 2 48 | 11 44 | 1 22 | 5 29 | 1 3 | 13 32 | 1 0 | 18 24 | 1 55 | 4 42 | 0 49 | 21 34 | 1 8 | 4 23 | 17 39 | 14 34 | 14 28 | 17 16 | 17 16 | 4 16 |
| T 7 | 16 59 | 26 33 | 3 32 | 5 30 | 2 50 | 12 10 | 1 20 | 5 47 | 1 2 | 13 36 | 1 0 | 18 25 | 1 54 | 4 42 | 0 49 | 21 34 | 1 8 | 4 23 | 17 39 | 14 33 | 14 27 | 17 18 | 17 17 | 4 16 |
| F 8 | 17 15 | 27 36 | 4 25 | 5 57 | 2 52 | 12 35 | 1 19 | 6 5 | 1 2 | 13 41 | 1 0 | 18 27 | 1 54 | 4 43 | 0 48 | 21 34 | 1 8 | 4 23 | 17 39 | 14 33 | 14 26 | 17 21 | 17 17 | 4 16 |
| S 9 | 17 31 | 26 45 | 5 0 | 6 25 | 2 53 | 13 0 | 1 18 | 6 22 | 1 2 | 13 45 | 1 0 | 18 29 | 1 54 | 4 43 | 0 48 | 21 34 | 1 8 | 4 24 | 17 38 | 14 33 | 14 25 | 17 24 | 17 18 | 4 16 |
| S 10 | 17 47 | 24 18 | 5 16 | 6 53 | 2 53 | 13 25 | 1 17 | 6 40 | 1 1 | 13 50 | 1 0 | 18 30 | 1 54 | 4 43 | 0 48 | 21 34 | 1 8 | 4 24 | 17 38 | 14 32 | 14 24 | 17 27 | 17 19 | 4 16 |
| M11 | 18 2 | 20 35 | 5 14 | 7 23 | 2 53 | 13 49 | 1 15 | 6 58 | 1 1 | 13 54 | 1 0 | 18 32 | 1 54 | 4 44 | 0 48 | 21 34 | 1 8 | 4 24 | 17 38 | 14 32 | 14 23 | 17 29 | 17 19 | 4 16 |
| T 12 | 18 17 | 15 59 | 4 57 | 7 54 | 2 52 | 14 13 | 1 14 | 7 16 | 1 1 | 13 59 | 1 0 | 18 33 | 1 54 | 4 44 | 0 48 | 21 34 | 1 8 | 4 25 | 17 38 | 14 32 | 14 22 | 17 32 | 17 20 | 4 16 |
| W13 | 18 32 | 10 50 | 4 25 | 8 26 | 2 51 | 14 36 | 1 13 | 7 33 | 1 0 | 14 3 | 1 0 | 18 35 | 1 54 | 4 44 | 0 48 | 21 34 | 1 8 | 4 25 | 17 38 | 14 32 | 14 21 | 17 35 | 17 21 | 4 16 |
| T 14 | 18 46 | 5 23 | 3 42 | 8 58 | 2 49 | 15 0 | 1 11 | 7 51 | 1 0 | 14 7 | 1 0 | 18 36 | 1 54 | 4 45 | 0 48 | 21 34 | 1 8 | 4 25 | 17 37 | 14 33 | 14 20 | 17 38 | 17 21 | 4 16 |
| F 15 | 19 0 | 0s12 | 2 50 | 9 31 | 2 46 | 15 22 | 1 10 | 8 8 | 1 0 | 14 12 | 1 0 | 18 38 | 1 54 | 4 45 | 0 48 | 21 34 | 1 8 | 4 26 | 17 37 | 14 33 | 14 19 | 17 40 | 17 22 | 4 16 |
| S 16 | 19 14 | 5 42 | 1 51 | 10 5 | 2 43 | 15 45 | 1 8 | 8 25 | 0 59 | 14 16 | 1 0 | 18 40 | 1 54 | 4 45 | 0 48 | 21 34 | 1 8 | 4 26 | 17 37 | 14 34 | 14 18 | 17 43 | 17 23 | 4 16 |
| S 17 | 19 27 | 10 58 | 0 48 | 10 40 | 2 40 | 16 7 | 1 6 | 8 42 | 0 59 | 14 21 | 1 0 | 18 41 | 1 54 | 4 45 | 0 48 | 21 34 | 1 8 | 4 26 | 17 37 | 14 34 | 14 17 | 17 46 | 17 23 | 4 16 |
| M18 | 19 40 | 15 50 | 0s18 | 11 15 | 2 36 | 16 29 | 1 5 | 9 0 | 0 59 | 14 25 | 1 0 | 18 43 | 1 54 | 4 45 | 0 48 | 21 35 | 1 8 | 4 26 | 17 36 | 14 34 | 14 16 | 17 48 | 17 24 | 4 16 |
| T 19 | 19 53 | 20 6 | 1 22 | 11 51 | 2 31 | 16 50 | 1 3 | 9 17 | 0 58 | 14 29 | 1 0 | 18 44 | 1 54 | 4 45 | 0 48 | 21 35 | 1 8 | 4 27 | 17 36 | 14 34 | 14 15 | 17 51 | 17 24 | 4 16 |
| W20 | 20 6 | 23 35 | 2 23 | 12 27 | 2 26 | 17 11 | 1 1 | 9 33 | 0 58 | 14 33 | 1 0 | 18 46 | 1 54 | 4 45 | 0 48 | 21 35 | 1 8 | 4 27 | 17 36 | 14 33 | 14 14 | 17 54 | 17 25 | 4 16 |
| T 21 | 20 17 | 26 4 | 3 18 | 13 3 | 2 20 | 17 31 | 1 0 | 9 50 | 0 57 | 14 38 | 1 0 | 18 47 | 1 53 | 4 46 | 0 48 | 21 35 | 1 8 | 4 27 | 17 36 | 14 32 | 14 13 | 17 56 | 17 26 | 4 16 |
| F 22 | 20 29 | 27 23 | 4 4 | 13 40 | 2 14 | 17 51 | 0 58 | 10 7 | 0 57 | 14 42 | 1 0 | 18 49 | 1 53 | 4 46 | 0 48 | 21 35 | 1 8 | 4 27 | 17 35 | 14 31 | 14 12 | 17 59 | 17 26 | 4 16 |
| S 23 | 20 40 | 27 24 | 4 40 | 14 17 | 2 7 | 18 10 | 0 56 | 10 23 | 0 57 | 14 46 | 1 0 | 18 50 | 1 53 | 4 46 | 0 48 | 21 35 | 1 8 | 4 27 | 17 35 | 14 30 | 14 11 | 18 2 | 17 27 | 4 16 |
| S 24 | 20 51 | 26 3 | 5 4 | 14 54 | 2 0 | 18 29 | 0 54 | 10 40 | 0 56 | 14 50 | 1 0 | 18 52 | 1 53 | 4 46 | 0 48 | 21 35 | 1 8 | 4 27 | 17 35 | 14 29 | 14 10 | 18 4 | 17 27 | 4 16 |
| M25 | 21 2 | 23 24 | 5 14 | 15 32 | 1 53 | 18 48 | 0 52 | 10 56 | 0 56 | 14 54 | 1 0 | 18 53 | 1 53 | 4 46 | 0 48 | 21 35 | 1 8 | 4 28 | 17 34 | 14 28 | 14 9 | 18 7 | 17 28 | 4 16 |
| T 26 | 21 12 | 19 34 | 5 8 | 16 9 | 1 45 | 19 6 | 0 50 | 11 12 | 0 55 | 14 58 | 1 0 | 18 55 | 1 53 | 4 46 | 0 48 | 21 35 | 1 8 | 4 28 | 17 34 | 14 27 | 14 8 | 18 10 | 17 29 | 4 16 |
| W27 | 21 22 | 14 42 | 4 47 | 16 46 | 1 37 | 19 23 | 0 48 | 11 29 | 0 55 | 15 2 | 1 0 | 18 56 | 1 53 | 4 46 | 0 48 | 21 35 | 1 8 | 4 28 | 17 34 | 14 27 | 14 7 | 18 12 | 17 29 | 4 16 |
| T 28 | 21 31 | 9 1 | 4 9 | 17 22 | 1 28 | 19 40 | 0 46 | 11 44 | 0 54 | 15 7 | 1 0 | 18 58 | 1 53 | 4 46 | 0 48 | 21 35 | 1 8 | 4 28 | 17 33 | 14 27 | 14 6 | 18 15 | 17 30 | 4 16 |
| F 29 | 21 40 | 2 44 | 3 16 | 17 59 | 1 19 | 19 57 | 0 44 | 12 0 | 0 54 | 15 11 | 1 0 | 18 59 | 1 53 | 4 46 | 0 48 | 21 36 | 1 8 | 4 28 | 17 33 | 14 27 | 14 5 | 18 18 | 17 30 | 4 16 |
| S 30 | 21 49 | 3n51 | 2 9 | 18 35 | 1 9 | 20 12 | 0 42 | 12 16 | 0 54 | 15 15 | 1 0 | 19 0 | 1 53 | 4 45 | 0 48 | 21 36 | 1 8 | 4 28 | 17 33 | 14 28 | 14 4 | 18 20 | 17 31 | 4 16 |
| S 31 | 21n57 | 10n25 | 0s53 | 19n10 | 1s 0 | 20n28 | 0s40 | 12n32 | 0s53 | 15n19 | 1s 0 | 19n 2 | 1s53 | 4n45 | 0n47 | 21s36 | 1n 8 | 4n28 | 17n32 | 14n28 | 14n 3 | 18s23 | 17n31 | 4s16 |

Julian Day Number = 2806681.5, Delta T = 51m55s
Ecliptic obliquity = 23°18'55, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'04, Lahiri = 37°28'04


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# ASTRODIENST EPHEMERIS for the year 2972
# geocentric

## JUNE 2972 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 41 43 | 11♊49'38 | 14♉22 | 2♊28 | 6♊45 | 6♉29 | 15♉16 | 4♊22 | 19♍47 | 12°R33 | 1°R47 | 9°R 9 | 7♉47 | 19♏14 | 9♊30 | M 1 |
| T 2 | 16 45 39 | 12°47'31 | 29°26 | 4°32 | 7°59 | 7°15 | 15°30 | 4°30 | 19°47 | 12♐32 | 1♏45 | 9♉ 7 | 7°44 | 19°21 | 9°35 | T 2 |
| W 3 | 16 49 36 | 13°45'23 | 14♊32 | 6°38 | 9°12 | 8° 1 | 15°44 | 4°38 | 19°48 | 12°31 | 1°44 | 9° 4 | 7°40 | 19°27 | 9°39 | W 3 |
| T 4 | 16 53 33 | 14°43'14 | 29°32 | 8°45 | 10°26 | 8°46 | 15°57 | 4°45 | 19°48 | 12°29 | 1°43 | 9° 0 | 7°37 | 19°34 | 9°43 | T 4 |
| F 5 | 16 57 29 | 15°41'03 | 14♋16 | 10°53 | 11°40 | 9°32 | 16°11 | 4°53 | 19°49 | 12°28 | 1°42 | 8°55 | 7°34 | 19°41 | 9°48 | F 5 |
| S 6 | 17 1 26 | 16°38'51 | 28°37 | 13° 3 | 12°54 | 10°17 | 16°24 | 5° 0 | 19°49 | 12°26 | 1°41 | 8°49 | 7°31 | 19°47 | 9°52 | S 6 |
| S 7 | 17 5 22 | 17°36'37 | 12♌32 | 15°14 | 14° 8 | 11° 3 | 16°38 | 5° 8 | 19°50 | 12°25 | 1°40 | 8°44 | 7°28 | 19°54 | 9°56 | S 7 |
| M 8 | 17 9 19 | 18°34'22 | 25°58 | 17°25 | 15°22 | 11°48 | 16°51 | 5°16 | 19°51 | 12°24 | 1°39 | 8°40 | 7°25 | 20° 1 | 10° 0 | M 8 |
| T 9 | 17 13 15 | 19°32'05 | 8♍58 | 19°37 | 16°35 | 12°34 | 17° 4 | 5°23 | 19°51 | 12°22 | 1°38 | 8°38 | 7°21 | 20° 7 | 10° 5 | T 9 |
| W10 | 17 17 12 | 20°29'46 | 21°33 | 21°49 | 17°49 | 13°19 | 17°18 | 5°31 | 19°52 | 12°21 | 1°37 | 8°D38 | 7°18 | 20°14 | 10° 9 | W10 |
| T 11 | 17 21 8 | 21°27'26 | 3♎50 | 24° 1 | 19° 3 | 14° 4 | 17°31 | 5°38 | 19°53 | 12°19 | 1°36 | 8°38 | 7°15 | 20°20 | 10°13 | T 11 |
| F 12 | 17 25 5 | 22°25'05 | 15°52 | 26°12 | 20°17 | 14°49 | 17°44 | 5°46 | 19°54 | 12°18 | 1°35 | 8°40 | 7°12 | 20°27 | 10°17 | F 12 |
| S 13 | 17 29 2 | 23°22'42 | 27°44 | 28°23 | 21°31 | 15°35 | 17°57 | 5°53 | 19°55 | 12°16 | 1°34 | 8°41 | 7° 9 | 20°34 | 10°22 | S 13 |
| S 14 | 17 32 58 | 24°20'18 | 9♏31 | 0♋34 | 22°44 | 16°20 | 18°10 | 6° 0 | 19°55 | 12°15 | 1°33 | 8°R42 | 7° 6 | 20°40 | 10°26 | S 14 |
| M15 | 17 36 55 | 25°17'52 | 21°18 | 2°43 | 23°58 | 17° 5 | 18°23 | 6° 8 | 19°56 | 12°13 | 1°32 | 8°41 | 7° 2 | 20°47 | 10°30 | M15 |
| T 16 | 17 40 51 | 26°15'26 | 3♐ 8 | 4°50 | 25°12 | 17°50 | 18°36 | 6°15 | 19°58 | 12°12 | 1°32 | 8°38 | 6°59 | 20°54 | 10°34 | T 16 |
| W17 | 17 44 48 | 27°12'58 | 15° 4 | 6°57 | 26°26 | 18°35 | 18°49 | 6°23 | 19°59 | 12°10 | 1°31 | 8°33 | 6°56 | 21° 0 | 10°38 | W17 |
| T 18 | 17 48 44 | 28°10'29 | 27° 8 | 9° 1 | 27°39 | 19°20 | 19° 2 | 6°30 | 20° 0 | 12° 9 | 1°30 | 8°26 | 6°53 | 21° 7 | 10°43 | T 18 |
| F 19 | 17 52 41 | 29° 8'00 | 9♑22 | 11° 4 | 28°53 | 20° 4 | 19°14 | 6°37 | 20° 1 | 12° 7 | 1°29 | 8°17 | 6°50 | 21°14 | 10°47 | F 19 |
| S 20 | 17 56 37 | 0♋ 5'29 | 21°46 | 13° 4 | 0♋ 7 | 20°49 | 19°27 | 6°45 | 20° 2 | 12° 5 | 1°29 | 8° 8 | 6°46 | 21°20 | 10°51 | S 20 |
| S 21 | 18 0 34 | 1° 2'57 | 4♒22 | 15° 2 | 1°21 | 21°34 | 19°40 | 6°52 | 20° 4 | 12° 4 | 1°28 | 7°59 | 6°43 | 21°27 | 10°55 | S 21 |
| M22 | 18 4 31 | 2° 0'25 | 17°10 | 16°58 | 2°34 | 22°19 | 19°52 | 6°59 | 20° 5 | 12° 2 | 1°27 | 7°51 | 6°40 | 21°34 | 10°59 | M22 |
| T 23 | 18 8 27 | 2°57'52 | 0♓11 | 18°52 | 3°48 | 23° 3 | 20° 4 | 7° 6 | 20° 6 | 12° 1 | 1°27 | 7°44 | 6°37 | 21°40 | 11° 3 | T 23 |
| W24 | 18 12 24 | 3°55'18 | 13°26 | 20°43 | 5° 2 | 23°48 | 20°17 | 7°13 | 20° 8 | 11°59 | 1°26 | 7°40 | 6°34 | 21°47 | 11° 7 | W24 |
| T 25 | 18 16 20 | 4°52'44 | 26°55 | 22°32 | 6°16 | 24°32 | 20°29 | 7°21 | 20° 9 | 11°57 | 1°26 | 7°38 | 6°31 | 21°54 | 11°11 | T 25 |
| F 26 | 18 20 17 | 5°50'09 | 10♈41 | 24°18 | 7°29 | 25°17 | 20°41 | 7°28 | 20°11 | 11°56 | 1°25 | 7°D38 | 6°27 | 22° 0 | 11°15 | F 26 |
| S 27 | 18 24 13 | 6°47'33 | 24°43 | 26° 2 | 8°43 | 26° 1 | 20°54 | 7°35 | 20°13 | 11°54 | 1°25 | 7°39 | 6°24 | 22° 7 | 11°19 | S 27 |
| S 28 | 18 28 10 | 7°44'57 | 9♉ 2 | 27°43 | 9°57 | 26°46 | 21° 6 | 7°42 | 20°14 | 11°53 | 1°24 | 7°R39 | 6°21 | 22°14 | 11°23 | S 28 |
| M29 | 18 32 6 | 8°42'21 | 23°36 | 29°22 | 11°11 | 27°30 | 21°18 | 7°49 | 20°16 | 11°51 | 1°24 | 7°38 | 6°18 | 22°20 | 11°27 | M29 |
| T 30 | 18 36 3 | 9♋39'45 | 8♊21 | 0♌58 | 12♋24 | 28♉14 | 21♉29 | 7♊56 | 20♍18 | 11♐49 | 1♏24 | 7♉35 | 6♉15 | 22♏27 | 11♊31 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n 5 | 16n31 | 0n29 | 19n44 | 0s50 | 20n43 | 0s37 | 12n47 | 0s53 | 15n22 | 1s 0 | 19n 3 | 1s53 | 4n45 | 0n47 | 21s36 | 1n 8 | 4n28 | 17n32 | 14n28 | 14n 2 | 18s26 | 17n32 | 4s17 |
| T 2 | 22 13 | 21 42 | 1 49 | 20 18 | 0 39 | 20 57 | 0 35 | 13 2 | 0 52 | 15 26 | 1 0 | 19 5 | 1 53 | 4 45 | 0 47 | 21 36 | 1 8 | 4 28 | 17 32 | 14 28 | 14 1 | 18 28 | 17 33 | 4 17 |
| W 3 | 22 20 | 25 26 | 3 1 | 20 50 | 0 29 | 21 10 | 0 33 | 13 17 | 0 52 | 15 30 | 1 0 | 19 6 | 1 53 | 4 45 | 0 47 | 21 36 | 1 8 | 4 28 | 17 31 | 14 27 | 14 0 | 18 31 | 17 33 | 4 17 |
| T 4 | 22 27 | 27 20 | 4 1 | 21 21 | 0 18 | 21 23 | 0 31 | 13 33 | 0 51 | 15 34 | 1 0 | 19 7 | 1 53 | 4 45 | 0 47 | 21 36 | 1 8 | 4 28 | 17 31 | 14 25 | 13 59 | 18 34 | 17 34 | 4 17 |
| F 5 | 22 33 | 27 15 | 4 43 | 21 50 | 0 8 | 21 36 | 0 28 | 13 47 | 0 51 | 15 38 | 1 0 | 19 9 | 1 53 | 4 44 | 0 47 | 21 36 | 1 8 | 4 28 | 17 30 | 14 24 | 13 58 | 18 36 | 17 34 | 4 17 |
| S 6 | 22 39 | 25 19 | 5 6 | 22 18 | 0n 3 | 21 48 | 0 26 | 14 2 | 0 50 | 15 42 | 1 0 | 19 10 | 1 53 | 4 44 | 0 47 | 21 36 | 1 8 | 4 28 | 17 30 | 14 22 | 13 57 | 18 39 | 17 35 | 4 17 |
| S 7 | 22 44 | 21 55 | 5 10 | 22 43 | 0 13 | 21 59 | 0 24 | 14 17 | 0 50 | 15 45 | 1 0 | 19 11 | 1 53 | 4 44 | 0 47 | 21 37 | 1 8 | 4 28 | 17 30 | 14 20 | 13 56 | 18 42 | 17 35 | 4 17 |
| M 8 | 22 50 | 17 27 | 4 57 | 23 7 | 0 24 | 22 10 | 0 22 | 14 31 | 0 49 | 15 49 | 1 0 | 19 13 | 1 53 | 4 44 | 0 47 | 21 37 | 1 8 | 4 28 | 17 29 | 14 19 | 13 55 | 18 44 | 17 36 | 4 17 |
| T 9 | 22 54 | 12 19 | 4 29 | 23 28 | 0 34 | 22 20 | 0 19 | 14 45 | 0 49 | 15 53 | 1 0 | 19 14 | 1 53 | 4 43 | 0 47 | 21 37 | 1 8 | 4 28 | 17 29 | 14 18 | 13 54 | 18 47 | 17 36 | 4 17 |
| W10 | 22 59 | 6 50 | 3 48 | 23 47 | 0 44 | 22 29 | 0 17 | 14 59 | 0 48 | 15 57 | 1 0 | 19 15 | 1 53 | 4 43 | 0 47 | 21 37 | 1 8 | 4 28 | 17 28 | 14 18 | 13 53 | 18 49 | 17 37 | 4 17 |
| T 11 | 23 2 | 1 13 | 2 58 | 24 4 | 0 53 | 22 38 | 0 15 | 15 13 | 0 47 | 16 0 | 1 0 | 19 17 | 1 53 | 4 43 | 0 47 | 21 37 | 1 8 | 4 28 | 17 28 | 14 18 | 13 52 | 18 52 | 17 37 | 4 18 |
| F 12 | 23 6 | 4s21 | 2 1 | 24 18 | 1 2 | 22 46 | 0 12 | 15 27 | 0 47 | 16 4 | 1 1 | 19 18 | 1 53 | 4 42 | 0 47 | 21 37 | 1 8 | 4 28 | 17 27 | 14 19 | 13 51 | 18 55 | 17 38 | 4 18 |
| S 13 | 23 9 | 9 41 | 0 59 | 24 29 | 1 11 | 22 53 | 0 10 | 15 41 | 0 46 | 16 7 | 1 1 | 19 19 | 1 53 | 4 42 | 0 47 | 21 37 | 1 8 | 4 27 | 17 27 | 14 19 | 13 50 | 18 57 | 17 38 | 4 18 |
| S 14 | 23 12 | 14 40 | 0s 5 | 24 38 | 1 19 | 23 0 | 0 7 | 15 54 | 0 46 | 16 11 | 1 1 | 19 21 | 1 53 | 4 41 | 0 47 | 21 37 | 1 8 | 4 27 | 17 27 | 14 20 | 13 49 | 19 0 | 17 38 | 4 18 |
| M15 | 23 14 | 19 5 | 1 8 | 24 44 | 1 26 | 23 6 | 0 5 | 16 7 | 0 45 | 16 14 | 1 1 | 19 22 | 1 53 | 4 41 | 0 47 | 21 38 | 1 8 | 4 27 | 17 26 | 14 19 | 13 48 | 19 2 | 17 39 | 4 18 |
| T 16 | 23 16 | 22 46 | 2 8 | 24 47 | 1 33 | 23 11 | 0 3 | 16 21 | 0 45 | 16 18 | 1 1 | 19 23 | 1 53 | 4 40 | 0 47 | 21 38 | 1 8 | 4 27 | 17 26 | 14 18 | 13 47 | 19 5 | 17 39 | 4 18 |
| W17 | 23 17 | 25 31 | 3 3 | 24 47 | 1 39 | 23 16 | 0 0 | 16 33 | 0 44 | 16 21 | 1 1 | 19 24 | 1 53 | 4 40 | 0 47 | 21 38 | 1 8 | 4 27 | 17 25 | 14 17 | 13 45 | 19 8 | 17 40 | 4 18 |
| T 18 | 23 18 | 27 8 | 3 51 | 24 45 | 1 45 | 23 20 | 0n 2 | 16 46 | 0 43 | 16 25 | 1 1 | 19 25 | 1 53 | 4 40 | 0 47 | 21 38 | 1 8 | 4 27 | 17 25 | 14 14 | 13 44 | 19 10 | 17 40 | 4 18 |
| F 19 | 23 19 | 27 27 | 4 28 | 24 41 | 1 49 | 23 23 | 0 5 | 16 59 | 0 43 | 16 28 | 1 1 | 19 27 | 1 53 | 4 39 | 0 47 | 21 38 | 1 8 | 4 26 | 17 24 | 14 12 | 13 43 | 19 13 | 17 41 | 4 19 |
| S 20 | 23 19 | 26 24 | 4 54 | 24 33 | 1 53 | 23 26 | 0 7 | 17 11 | 0 42 | 16 31 | 1 1 | 19 28 | 1 53 | 4 38 | 0 47 | 21 38 | 1 8 | 4 26 | 17 24 | 14 9 | 13 42 | 19 15 | 17 41 | 4 19 |
| S 21 | 23 19 | 24 0 | 5 5 | 24 24 | 1 56 | 23 28 | 0 9 | 17 23 | 0 42 | 16 35 | 1 1 | 19 29 | 1 53 | 4 38 | 0 47 | 21 38 | 1 8 | 4 26 | 17 23 | 14 6 | 13 41 | 19 18 | 17 41 | 4 19 |
| M22 | 23 18 | 20 24 | 5 2 | 24 13 | 1 59 | 23 29 | 0 12 | 17 35 | 0 41 | 16 38 | 1 1 | 19 30 | 1 53 | 4 37 | 0 47 | 21 39 | 1 8 | 4 26 | 17 23 | 14 3 | 13 40 | 19 20 | 17 42 | 4 19 |
| T 23 | 23 17 | 15 46 | 4 43 | 23 59 | 2 0 | 23 30 | 0 14 | 17 47 | 0 40 | 16 41 | 1 1 | 19 31 | 1 53 | 4 37 | 0 46 | 21 39 | 1 8 | 4 25 | 17 22 | 14 1 | 13 39 | 19 23 | 17 42 | 4 19 |
| W24 | 23 15 | 10 19 | 4 9 | 23 43 | 2 1 | 23 30 | 0 16 | 17 59 | 0 40 | 16 44 | 1 1 | 19 32 | 1 53 | 4 36 | 0 46 | 21 39 | 1 8 | 4 25 | 17 22 | 14 0 | 13 38 | 19 25 | 17 43 | 4 19 |
| T 25 | 23 14 | 4 17 | 3 20 | 23 26 | 2 1 | 23 29 | 0 19 | 18 10 | 0 39 | 16 48 | 1 1 | 19 34 | 1 53 | 4 36 | 0 46 | 21 39 | 1 8 | 4 25 | 17 21 | 13 59 | 13 37 | 19 28 | 17 43 | 4 20 |
| F 26 | 23 11 | 2n 4 | 2 19 | 23 7 | 2 1 | 23 27 | 0 21 | 18 22 | 0 39 | 16 51 | 1 1 | 19 35 | 1 53 | 4 35 | 0 46 | 21 39 | 1 8 | 4 24 | 17 21 | 13 59 | 13 36 | 19 31 | 17 43 | 4 20 |
| S 27 | 23 9 | 8 28 | 1 9 | 22 47 | 1 59 | 23 25 | 0 23 | 18 33 | 0 38 | 16 54 | 1 2 | 19 36 | 1 53 | 4 34 | 0 46 | 21 39 | 1 8 | 4 24 | 17 20 | 13 59 | 13 35 | 19 33 | 17 44 | 4 20 |
| S 28 | 23 5 | 14 33 | 0n 7 | 22 25 | 1 57 | 23 22 | 0 26 | 18 44 | 0 37 | 16 57 | 1 2 | 19 37 | 1 53 | 4 34 | 0 46 | 21 39 | 1 8 | 4 24 | 17 20 | 13 59 | 13 34 | 19 36 | 17 44 | 4 20 |
| M29 | 23 2 | 19 56 | 1 24 | 22 2 | 1 54 | 23 19 | 0 28 | 18 54 | 0 37 | 17 0 | 1 2 | 19 38 | 1 53 | 4 33 | 0 46 | 21 40 | 1 8 | 4 23 | 17 19 | 13 59 | 13 33 | 19 38 | 17 44 | 4 20 |
| T 30 | 22n58 | 24n 9 | 2n36 | 21n38 | 1n50 | 23n14 | 0n30 | 19n 5 | 0s36 | 17n 3 | 1s 2 | 19n39 | 1s53 | 4n32 | 0n46 | 21s40 | 1n 8 | 4n23 | 17n19 | 13n58 | 13n32 | 19s41 | 17n45 | 4s21 |

Julian Day Number = 2806712.5, Delta T = 51m55s
Ecliptic obliquity = 23°18'55, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'08, Lahiri = 37°28'09


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# ASTRODIENST EPHEMERIS for the year 2972
# geocentric

## JULY 2972 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 40 0 | 10♋37'08 | 23♊10 | 2♌31 | 13♋38 | 28♉58 | 21♉41 | 8♊ 3 | 20♍19 | 11°R48 | 1°R23 | 7°R29 | 6♉12 | 22♏33 | 11♊35 | W 1 |
| T 2 | 18 43 56 | 11°34'31 | 7♋56 | 4° 2 | 14°52 | 29°43 | 21°53 | 8°10 | 20°21 | 11♂46 | 1♏23 | 7♉21 | 6° 8 | 22°40 | 11°39 | T 2 |
| F 3 | 18 47 53 | 12°31'52 | 22°32 | 5°31 | 16° 6 | 0♊27 | 22° 5 | 8°16 | 20°23 | 11°45 | 1°23 | 7°12 | 6° 5 | 22°47 | 11°43 | F 3 |
| S 4 | 18 51 49 | 13°29'14 | 6♌50 | 6°56 | 17°20 | 1°11 | 22°16 | 8°23 | 20°25 | 11°43 | 1°22 | 7° 2 | 6° 2 | 22°53 | 11°47 | S 4 |
| S 5 | 18 55 46 | 14°26'34 | 20°44 | 8°19 | 18°33 | 1°55 | 22°28 | 8°30 | 20°27 | 11°41 | 1°22 | 6°52 | 5°59 | 23° 0 | 11°51 | S 5 |
| M 6 | 18 59 42 | 15°23'54 | 4♍12 | 9°39 | 19°47 | 2°38 | 22°39 | 8°37 | 20°29 | 11°40 | 1°22 | 6°44 | 5°56 | 23° 7 | 11°54 | M 6 |
| T 7 | 19 3 39 | 16°21'13 | 17°13 | 10°57 | 21° 1 | 3°22 | 22°50 | 8°43 | 20°31 | 11°38 | 1°22 | 6°39 | 5°52 | 23°13 | 11°58 | T 7 |
| W 8 | 19 7 36 | 17°18'32 | 29°51 | 12°11 | 22°15 | 4° 6 | 23° 2 | 8°50 | 20°33 | 11°36 | 1°22 | 6°35 | 5°49 | 23°20 | 12° 2 | W 8 |
| T 9 | 19 11 32 | 18°15'49 | 12♎ 9 | 13°23 | 23°28 | 4°50 | 23°13 | 8°56 | 20°36 | 11°35 | 1°22 | 6°34 | 5°46 | 23°27 | 12° 6 | T 9 |
| F 10 | 19 15 29 | 19°13'06 | 24°11 | 14°32 | 24°42 | 5°33 | 23°24 | 9° 3 | 20°38 | 11°33 | 1°22 | 6°D34 | 5°43 | 23°33 | 12° 9 | F 10 |
| S 11 | 19 19 25 | 20°10'23 | 6♏ 3 | 15°38 | 25°56 | 6°17 | 23°35 | 9° 9 | 20°40 | 11°32 | 1°D22 | 6°R34 | 5°40 | 23°40 | 12°13 | S 11 |
| S 12 | 19 23 22 | 21° 7'39 | 17°51 | 16°40 | 27°10 | 7° 0 | 23°45 | 9°16 | 20°42 | 11°30 | 1°22 | 6°34 | 5°37 | 23°47 | 12°17 | S 12 |
| M13 | 19 27 18 | 22° 4'54 | 29°40 | 17°40 | 28°23 | 7°44 | 23°56 | 9°22 | 20°45 | 11°28 | 1°22 | 6°31 | 5°33 | 23°53 | 12°20 | M13 |
| T 14 | 19 31 15 | 23° 2'09 | 11♐34 | 18°36 | 29°37 | 8°27 | 24° 7 | 9°28 | 20°47 | 11°27 | 1°22 | 6°27 | 5°30 | 24° 0 | 12°24 | T 14 |
| W15 | 19 35 11 | 23°59'24 | 23°37 | 19°29 | 0♌51 | 9°10 | 24°17 | 9°35 | 20°49 | 11°25 | 1°22 | 6°20 | 5°27 | 24° 7 | 12°27 | W15 |
| T 16 | 19 39 8 | 24°56'38 | 5♑51 | 20°19 | 2° 4 | 9°54 | 24°28 | 9°41 | 20°52 | 11°24 | 1°22 | 6°10 | 5°24 | 24°13 | 12°31 | T 16 |
| F 17 | 19 43 5 | 25°53'52 | 18°18 | 21° 5 | 3°18 | 10°37 | 24°38 | 9°47 | 20°54 | 11°22 | 1°22 | 5°58 | 5°21 | 24°20 | 12°34 | F 17 |
| S 18 | 19 47 1 | 26°51'06 | 0♒59 | 21°47 | 4°32 | 11°20 | 24°48 | 9°53 | 20°57 | 11°21 | 1°23 | 5°46 | 5°18 | 24°27 | 12°37 | S 18 |
| S 19 | 19 50 58 | 27°48'20 | 13°54 | 22°25 | 5°46 | 12° 3 | 24°58 | 9°59 | 20°59 | 11°19 | 1°23 | 5°33 | 5°14 | 24°33 | 12°41 | S 19 |
| M20 | 19 54 54 | 28°45'34 | 27° 2 | 22°59 | 6°59 | 12°46 | 25° 8 | 10° 5 | 21° 2 | 11°18 | 1°23 | 5°22 | 5°11 | 24°40 | 12°44 | M20 |
| T 21 | 19 58 51 | 29°42'48 | 10♓22 | 23°30 | 8°13 | 13°29 | 25°18 | 10°11 | 21° 5 | 11°16 | 1°24 | 5°13 | 5° 8 | 24°47 | 12°47 | T 21 |
| W22 | 20 2 47 | 0♌40'02 | 23°52 | 23°56 | 9°27 | 14°12 | 25°28 | 10°17 | 21° 7 | 11°14 | 1°24 | 5° 7 | 5° 5 | 24°53 | 12°51 | W22 |
| T 23 | 20 6 44 | 1°37'16 | 7♈32 | 24°17 | 10°41 | 14°54 | 25°37 | 10°23 | 21°10 | 11°13 | 1°24 | 5° 4 | 5° 2 | 25° 0 | 12°54 | T 23 |
| F 24 | 20 10 40 | 2°34'31 | 21°22 | 24°35 | 11°54 | 15°37 | 25°47 | 10°28 | 21°13 | 11°11 | 1°25 | 5° 2 | 4°58 | 25° 6 | 12°57 | F 24 |
| S 25 | 20 14 37 | 3°31'46 | 5♉21 | 24°47 | 13° 8 | 16°20 | 25°56 | 10°34 | 21°16 | 11°10 | 1°25 | 5° 2 | 4°55 | 25°13 | 13° 0 | S 25 |
| S 26 | 20 18 34 | 4°29'01 | 19°30 | 24°55 | 14°22 | 17° 2 | 26° 5 | 10°40 | 21°19 | 11° 9 | 1°26 | 5° 2 | 4°52 | 25°20 | 13° 3 | S 26 |
| M27 | 20 22 30 | 5°26'17 | 3♊47 | 24°R59 | 15°36 | 17°45 | 26°14 | 10°45 | 21°21 | 11° 7 | 1°26 | 5° 0 | 4°49 | 25°26 | 13° 6 | M27 |
| T 28 | 20 26 27 | 6°23'34 | 18°10 | 24°57 | 16°49 | 18°27 | 26°23 | 10°51 | 21°24 | 11° 6 | 1°27 | 4°56 | 4°46 | 25°33 | 13° 9 | T 28 |
| W29 | 20 30 23 | 7°20'51 | 2♋35 | 24°51 | 18° 3 | 19° 9 | 26°32 | 10°56 | 21°27 | 11° 4 | 1°27 | 4°50 | 4°43 | 25°40 | 13°12 | W29 |
| T 30 | 20 34 20 | 8°18'08 | 16°58 | 24°40 | 19°17 | 19°51 | 26°41 | 11° 1 | 21°30 | 11° 3 | 1°28 | 4°40 | 4°39 | 25°46 | 13°15 | T 30 |
| F 31 | 20 38 16 | 9♌15'26 | 1♌13 | 24♌24 | 20♌31 | 20♊34 | 26♉50 | 11♊ 7 | 21♍33 | 11♑ 1 | 1♏29 | 4♉29 | 4♉36 | 25♏53 | 13♊18 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n54 | 26n46 | 3n38 | 21n13 | 1n46 | 23n10 | 0n32 | 19n15 | 0s35 | 17n 6 | 1s 2 | 19n40 | 1s54 | 4n31 | 0n46 | 21s40 | 1n 8 | 4n22 | 17n18 | 13n56 | 13n31 | 19s43 | 17n45 | 4s21 |
| T 2 | 22 49 | 27 29 | 4 25 | 20 47 | 1 41 | 23 4 | 0 35 | 19 25 | 0 35 | 17 9 | 1 2 | 19 41 | 1 54 | 4 31 | 0 46 | 21 40 | 1 8 | 4 22 | 17 17 | 13 54 | 13 30 | 19 46 | 17 45 | 4 21 |
| F 3 | 22 44 | 26 16 | 4 53 | 20 20 | 1 35 | 22 58 | 0 37 | 19 35 | 0 34 | 17 12 | 1 2 | 19 42 | 1 54 | 4 30 | 0 46 | 21 40 | 1 8 | 4 22 | 17 17 | 13 51 | 13 29 | 19 48 | 17 46 | 4 21 |
| S 4 | 22 38 | 23 21 | 5 3 | 19 52 | 1 29 | 22 51 | 0 39 | 19 45 | 0 33 | 17 14 | 1 2 | 19 43 | 1 54 | 4 29 | 0 46 | 21 40 | 1 8 | 4 21 | 17 16 | 13 47 | 13 28 | 19 51 | 17 46 | 4 21 |
| S 5 | 22 32 | 19 10 | 4 55 | 19 24 | 1 22 | 22 43 | 0 41 | 19 54 | 0 33 | 17 17 | 1 2 | 19 44 | 1 54 | 4 28 | 0 46 | 21 40 | 1 8 | 4 21 | 17 16 | 13 44 | 13 27 | 19 53 | 17 46 | 4 22 |
| M 6 | 22 26 | 14 6 | 4 30 | 18 56 | 1 14 | 22 35 | 0 43 | 20 4 | 0 32 | 17 20 | 1 2 | 19 45 | 1 54 | 4 27 | 0 46 | 21 41 | 1 8 | 4 20 | 17 15 | 13 42 | 13 26 | 19 56 | 17 46 | 4 22 |
| T 7 | 22 19 | 8 34 | 3 51 | 18 27 | 1 6 | 22 26 | 0 45 | 20 13 | 0 31 | 17 23 | 1 2 | 19 46 | 1 54 | 4 27 | 0 46 | 21 41 | 1 8 | 4 20 | 17 15 | 13 40 | 13 25 | 19 58 | 17 47 | 4 22 |
| W 8 | 22 12 | 2 51 | 3 2 | 17 58 | 0 57 | 22 16 | 0 47 | 20 22 | 0 30 | 17 25 | 1 3 | 19 47 | 1 54 | 4 26 | 0 46 | 21 41 | 1 8 | 4 19 | 17 14 | 13 39 | 13 24 | 20 1 | 17 47 | 4 22 |
| T 9 | 22 5 | 2s50 | 2 6 | 17 29 | 0 48 | 22 6 | 0 49 | 20 30 | 0 30 | 17 28 | 1 3 | 19 48 | 1 54 | 4 25 | 0 46 | 21 41 | 1 8 | 4 19 | 17 14 | 13 38 | 13 23 | 20 3 | 17 47 | 4 23 |
| F 10 | 21 57 | 8 19 | 1 5 | 16 59 | 0 38 | 21 55 | 0 51 | 20 39 | 0 29 | 17 31 | 1 3 | 19 49 | 1 54 | 4 24 | 0 46 | 21 41 | 1 8 | 4 18 | 17 13 | 13 38 | 13 22 | 20 6 | 17 47 | 4 23 |
| S 11 | 21 49 | 13 26 | 0 3 | 16 30 | 0 27 | 21 43 | 0 53 | 20 47 | 0 28 | 17 33 | 1 3 | 19 50 | 1 54 | 4 23 | 0 46 | 21 41 | 1 8 | 4 18 | 17 13 | 13 38 | 13 20 | 20 8 | 17 48 | 4 23 |
| S 12 | 21 40 | 18 1 | 1s 0 | 16 1 | 0 16 | 21 31 | 0 55 | 20 55 | 0 28 | 17 36 | 1 3 | 19 51 | 1 54 | 4 22 | 0 46 | 21 42 | 1 8 | 4 17 | 17 12 | 13 38 | 13 19 | 20 11 | 17 48 | 4 23 |
| M13 | 21 31 | 21 55 | 1 59 | 15 32 | 0 5 | 21 18 | 0 57 | 21 3 | 0 27 | 17 38 | 1 3 | 19 51 | 1 54 | 4 21 | 0 46 | 21 42 | 1 8 | 4 17 | 17 11 | 13 37 | 13 18 | 20 13 | 17 48 | 4 23 |
| T 14 | 21 22 | 24 56 | 2 54 | 15 3 | 0s 7 | 21 5 | 0 59 | 21 10 | 0 26 | 17 41 | 1 3 | 19 52 | 1 54 | 4 20 | 0 46 | 21 42 | 1 8 | 4 16 | 17 11 | 13 36 | 13 17 | 20 16 | 17 48 | 4 24 |
| W15 | 21 12 | 26 51 | 3 42 | 14 35 | 0 20 | 20 51 | 1 1 | 21 18 | 0 25 | 17 43 | 1 3 | 19 53 | 1 54 | 4 19 | 0 46 | 21 42 | 1 8 | 4 16 | 17 10 | 13 34 | 13 16 | 20 18 | 17 48 | 4 24 |
| T 16 | 21 2 | 27 31 | 4 20 | 14 8 | 0 32 | 20 36 | 1 2 | 21 25 | 0 25 | 17 46 | 1 3 | 19 54 | 1 55 | 4 18 | 0 46 | 21 42 | 1 8 | 4 15 | 17 10 | 13 30 | 13 15 | 20 21 | 17 49 | 4 24 |
| F 17 | 20 51 | 26 48 | 4 47 | 13 41 | 0 46 | 20 21 | 1 4 | 21 32 | 0 24 | 17 48 | 1 3 | 19 55 | 1 55 | 4 17 | 0 46 | 21 42 | 1 8 | 4 14 | 17 9 | 13 27 | 13 14 | 20 23 | 17 49 | 4 24 |
| S 18 | 20 41 | 24 42 | 4 59 | 13 14 | 0 59 | 20 6 | 1 6 | 21 38 | 0 23 | 17 50 | 1 4 | 19 56 | 1 55 | 4 16 | 0 46 | 21 42 | 1 8 | 4 14 | 17 9 | 13 23 | 13 13 | 20 25 | 17 49 | 4 25 |
| S 19 | 20 30 | 21 19 | 4 57 | 12 49 | 1 13 | 19 49 | 1 7 | 21 45 | 0 22 | 17 53 | 1 4 | 19 56 | 1 55 | 4 15 | 0 46 | 21 43 | 1 8 | 4 13 | 17 8 | 13 18 | 13 12 | 20 28 | 17 49 | 4 25 |
| M20 | 20 18 | 16 49 | 4 40 | 12 25 | 1 27 | 19 32 | 1 9 | 21 51 | 0 22 | 17 55 | 1 4 | 19 57 | 1 55 | 4 14 | 0 45 | 21 43 | 1 8 | 4 13 | 17 7 | 13 15 | 13 11 | 20 30 | 17 49 | 4 25 |
| T 21 | 20 6 | 11 27 | 4 6 | 12 1 | 1 42 | 19 15 | 1 10 | 21 57 | 0 21 | 17 57 | 1 4 | 19 58 | 1 55 | 4 13 | 0 45 | 21 43 | 1 8 | 4 12 | 17 7 | 13 12 | 13 10 | 20 33 | 17 49 | 4 26 |
| W22 | 19 54 | 5 28 | 3 19 | 11 39 | 1 56 | 18 57 | 1 12 | 22 3 | 0 20 | 17 59 | 1 4 | 19 59 | 1 55 | 4 12 | 0 45 | 21 43 | 1 8 | 4 11 | 17 6 | 13 10 | 13 9 | 20 35 | 17 49 | 4 26 |
| T 23 | 19 42 | 0n50 | 2 20 | 11 18 | 2 11 | 18 38 | 1 13 | 22 9 | 0 19 | 18 2 | 1 4 | 19 59 | 1 55 | 4 11 | 0 45 | 21 43 | 1 8 | 4 11 | 17 6 | 13 8 | 13 8 | 20 38 | 17 50 | 4 26 |
| F 24 | 19 29 | 7 11 | 1 12 | 10 58 | 2 26 | 18 19 | 1 14 | 22 14 | 0 18 | 18 4 | 1 4 | 20 0 | 1 55 | 4 10 | 0 45 | 21 43 | 1 8 | 4 10 | 17 5 | 13 8 | 13 7 | 20 40 | 17 50 | 4 26 |
| S 25 | 19 16 | 13 16 | 0n 2 | 10 40 | 2 40 | 18 0 | 1 16 | 22 19 | 0 18 | 18 6 | 1 4 | 20 1 | 1 55 | 4 9 | 0 45 | 21 43 | 1 8 | 4 9 | 17 5 | 13 8 | 13 6 | 20 42 | 17 50 | 4 27 |
| S 26 | 19 2 | 18 44 | 1 16 | 10 24 | 2 55 | 17 40 | 1 17 | 22 24 | 0 17 | 18 8 | 1 5 | 20 1 | 1 56 | 4 7 | 0 45 | 21 44 | 1 8 | 4 9 | 17 4 | 13 8 | 13 5 | 20 45 | 17 50 | 4 27 |
| M27 | 18 49 | 23 11 | 2 26 | 10 9 | 3 9 | 17 19 | 1 18 | 22 29 | 0 16 | 18 10 | 1 5 | 20 2 | 1 56 | 4 6 | 0 45 | 21 44 | 1 8 | 4 8 | 17 4 | 13 7 | 13 4 | 20 47 | 17 50 | 4 27 |
| T 28 | 18 35 | 26 13 | 3 27 | 9 56 | 3 24 | 16 58 | 1 19 | 22 34 | 0 15 | 18 12 | 1 5 | 20 3 | 1 56 | 4 5 | 0 45 | 21 44 | 1 8 | 4 7 | 17 3 | 13 6 | 13 3 | 20 50 | 17 50 | 4 28 |
| W29 | 18 20 | 27 32 | 4 15 | 9 45 | 3 37 | 16 37 | 1 20 | 22 38 | 0 14 | 18 14 | 1 5 | 20 3 | 1 56 | 4 4 | 0 45 | 21 44 | 1 8 | 4 6 | 17 2 | 13 4 | 13 1 | 20 52 | 17 50 | 4 28 |
| T 30 | 18 6 | 26 59 | 4 47 | 9 36 | 3 51 | 16 15 | 1 21 | 22 42 | 0 14 | 18 15 | 1 5 | 20 4 | 1 56 | 4 3 | 0 45 | 21 44 | 1 8 | 4 6 | 17 2 | 13 1 | 13 0 | 20 54 | 17 50 | 4 28 |
| F 31 | 17n51 | 24n40 | 5n 0 | 9n29 | 4s 3 | 15n53 | 1n22 | 22n46 | 0s13 | 18n17 | 1s 5 | 20n 4 | 1s56 | 4n 2 | 0n45 | 21s44 | 1n 8 | 4n 5 | 17n 1 | 12n57 | 12n59 | 20s57 | 17n50 | 4s28 |

Julian Day Number = 2806742.5, Delta T = 51m56s
Ecliptic obliquity = 23°18'55, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'12, Lahiri = 37°28'13


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# ASTRODIENST EPHEMERIS for the year 2972
# geocentric

## AUGUST 2972 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 42 13 | 10♌12'44 | 15♌14 | 24°R 4 | 21♌44 | 21♊16 | 26♉58 | 11♊12 | 21♍36 | 11°R 0 | 1♏29 | 4°R17 | 4♉33 | 26♏ 0 | 13♊21 | S 1 |
| S 2 | 20 46 9 | 11°10'03 | 28°56 | 23♌40 | 22°58 | 21°58 | 27° 6 | 11°17 | 21°39 | 10♑59 | 1°30 | 4♉ 6 | 4°30 | 26° 6 | 13°24 | S 2 |
| M 3 | 20 50 6 | 12° 7'21 | 12♍16 | 23°11 | 24°12 | 22°40 | 27°15 | 11°22 | 21°42 | 10°57 | 1°31 | 3°57 | 4°27 | 26°13 | 13°26 | M 3 |
| T 4 | 20 54 3 | 13° 4'40 | 25°14 | 22°39 | 25°26 | 23°22 | 27°23 | 11°27 | 21°45 | 10°56 | 1°32 | 3°49 | 4°24 | 26°20 | 13°29 | T 4 |
| W 5 | 20 57 59 | 14° 1'59 | 7♎50 | 22° 4 | 26°39 | 24° 3 | 27°31 | 11°32 | 21°49 | 10°55 | 1°33 | 3°45 | 4°20 | 26°26 | 13°32 | W 5 |
| T 6 | 21 1 56 | 14°59'18 | 20° 7 | 21°25 | 27°53 | 24°45 | 27°38 | 11°36 | 21°52 | 10°53 | 1°33 | 3°42 | 4°17 | 26°33 | 13°34 | T 6 |
| F 7 | 21 5 52 | 15°56'38 | 2♏10 | 20°45 | 29° 7 | 25°27 | 27°46 | 11°41 | 21°55 | 10°52 | 1°34 | 3°D42 | 4°14 | 26°40 | 13°37 | F 7 |
| S 8 | 21 9 49 | 16°53'58 | 14° 3 | 20° 3 | 0♍20 | 26° 8 | 27°54 | 11°46 | 21°58 | 10°51 | 1°35 | 3°R42 | 4°11 | 26°46 | 13°39 | S 8 |
| S 9 | 21 13 45 | 17°51'18 | 25°52 | 19°20 | 1°34 | 26°50 | 28° 1 | 11°50 | 22° 1 | 10°50 | 1°36 | 3°41 | 4° 8 | 26°53 | 13°42 | S 9 |
| M10 | 21 17 42 | 18°48'39 | 7♐43 | 18°37 | 2°48 | 27°31 | 28° 8 | 11°55 | 22° 5 | 10°49 | 1°37 | 3°40 | 4° 4 | 27° 0 | 13°44 | M10 |
| T 11 | 21 21 38 | 19°46'00 | 19°39 | 17°55 | 4° 2 | 28°12 | 28°15 | 11°59 | 22° 8 | 10°47 | 1°38 | 3°36 | 4° 1 | 27° 6 | 13°47 | T 11 |
| W12 | 21 25 35 | 20°43'21 | 1♑47 | 17°14 | 5°15 | 28°54 | 28°22 | 12° 4 | 22°11 | 10°46 | 1°39 | 3°30 | 3°58 | 27°13 | 13°49 | W12 |
| T 13 | 21 29 32 | 21°40'43 | 14° 9 | 16°36 | 6°29 | 29°35 | 28°29 | 12° 8 | 22°15 | 10°45 | 1°40 | 3°22 | 3°55 | 27°20 | 13°51 | T 13 |
| F 14 | 21 33 28 | 22°38'06 | 26°48 | 16° 0 | 7°43 | 0♋16 | 28°35 | 12°12 | 22°18 | 10°44 | 1°41 | 3°12 | 3°52 | 27°26 | 13°53 | F 14 |
| S 15 | 21 37 25 | 23°35'29 | 9♒45 | 15°29 | 8°56 | 0°57 | 28°42 | 12°16 | 22°22 | 10°43 | 1°43 | 3° 0 | 3°49 | 27°33 | 13°55 | S 15 |
| S 16 | 21 41 21 | 24°32'52 | 23° 0 | 15° 1 | 10°10 | 1°38 | 28°48 | 12°20 | 22°25 | 10°42 | 1°44 | 2°49 | 3°45 | 27°40 | 13°57 | S 16 |
| M17 | 21 45 18 | 25°30'17 | 6♓30 | 14°38 | 11°24 | 2°18 | 28°54 | 12°24 | 22°28 | 10°41 | 1°45 | 2°39 | 3°42 | 27°46 | 13°59 | M17 |
| T 18 | 21 49 14 | 26°27'42 | 20°13 | 14°21 | 12°37 | 2°59 | 29° 0 | 12°28 | 22°32 | 10°40 | 1°46 | 2°31 | 3°39 | 27°53 | 14° 1 | T 18 |
| W19 | 21 53 11 | 27°25'08 | 4♈ 7 | 14° 9 | 13°51 | 3°40 | 29° 6 | 12°32 | 22°35 | 10°39 | 1°47 | 2°25 | 3°36 | 28° 0 | 14° 3 | W19 |
| T 20 | 21 57 7 | 28°22'36 | 18° 7 | 14°D 4 | 15° 5 | 4°20 | 29°12 | 12°35 | 22°39 | 10°38 | 1°49 | 2°23 | 3°33 | 28° 6 | 14° 5 | T 20 |
| F 21 | 22 1 4 | 29°20'04 | 2♉12 | 14° 5 | 16°18 | 5° 1 | 29°17 | 12°39 | 22°42 | 10°37 | 1°50 | 2°D22 | 3°30 | 28°13 | 14° 7 | F 21 |
| S 22 | 22 5 1 | 0♍17'34 | 16°19 | 14°12 | 17°32 | 5°41 | 29°22 | 12°42 | 22°46 | 10°36 | 1°51 | 2°22 | 3°26 | 28°20 | 14° 9 | S 22 |
| S 23 | 22 8 57 | 1°15'05 | 0♊28 | 14°26 | 18°46 | 6°21 | 29°28 | 12°46 | 22°49 | 10°35 | 1°53 | 2°R23 | 3°23 | 28°26 | 14°10 | S 23 |
| M24 | 22 12 54 | 2°12'37 | 14°36 | 14°47 | 19°59 | 7° 2 | 29°32 | 12°49 | 22°53 | 10°34 | 1°54 | 2°22 | 3°20 | 28°33 | 14°12 | M24 |
| T 25 | 22 16 50 | 3°10'11 | 28°43 | 15°15 | 21°13 | 7°42 | 29°37 | 12°52 | 22°57 | 10°33 | 1°56 | 2°19 | 3°17 | 28°39 | 14°14 | T 25 |
| W26 | 22 20 47 | 4° 7'46 | 12♋47 | 15°50 | 22°27 | 8°22 | 29°42 | 12°55 | 23° 0 | 10°33 | 1°57 | 2°15 | 3°14 | 28°46 | 14°15 | W26 |
| T 27 | 22 24 43 | 5° 5'23 | 26°45 | 16°32 | 23°40 | 9° 2 | 29°46 | 12°58 | 23° 4 | 10°32 | 1°59 | 2° 8 | 3°10 | 28°53 | 14°17 | T 27 |
| F 28 | 22 28 40 | 6° 3'01 | 10♌34 | 17°20 | 24°54 | 9°42 | 29°51 | 13° 1 | 23° 7 | 10°31 | 2° 0 | 1°59 | 3° 7 | 28°59 | 14°18 | F 28 |
| S 29 | 22 32 36 | 7° 0'40 | 24°10 | 18°15 | 26° 7 | 10°21 | 29°55 | 13° 4 | 23°11 | 10°30 | 2° 2 | 1°50 | 3° 4 | 29° 6 | 14°19 | S 29 |
| S 30 | 22 36 33 | 7°58'20 | 7♍31 | 19°16 | 27°21 | 11° 1 | 29°59 | 13° 7 | 23°15 | 10°30 | 2° 3 | 1°41 | 3° 1 | 29°13 | 14°21 | S 30 |
| M31 | 22 40 30 | 8♍56'01 | 20♍35 | 20♌24 | 28♍35 | 11♋41 | 0♊ 2 | 13♊ 9 | 23♍18 | 10♑29 | 2♏ 5 | 1♉33 | 2♉58 | 29♏19 | 14♊22 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n36 | 20n53 | 4n55 | 9n25 | 4s15 | 15n30 | 1n23 | 22n50 | 0s12 | 18n19 | 1s 5 | 20n 5 | 1s56 | 4n 0 | 0n45 | 21s44 | 1n 8 | 4n 4 | 17n 1 | 12n53 | 12n58 | 20s59 | 17n50 | 4s29 |
| S 2 | 17 20 | 16 3 | 4 33 | 9 23 | 4 26 | 15 7 | 1 24 | 22 53 | 0 11 | 18 21 | 1 5 | 20 6 | 1 56 | 3 59 | 0 45 | 21 45 | 1 8 | 4 4 | 17 0 | 12 49 | 12 57 | 21 2 | 17 50 | 4 29 |
| M 3 | 17 4 | 10 34 | 3 57 | 9 23 | 4 35 | 14 43 | 1 25 | 22 57 | 0 10 | 18 23 | 1 6 | 20 6 | 1 56 | 3 58 | 0 45 | 21 45 | 1 7 | 4 3 | 17 0 | 12 46 | 12 56 | 21 4 | 17 50 | 4 29 |
| T 4 | 16 48 | 4 46 | 3 9 | 9 25 | 4 44 | 14 19 | 1 25 | 23 0 | 0 9 | 18 24 | 1 6 | 20 7 | 1 57 | 3 57 | 0 45 | 21 45 | 1 7 | 4 2 | 16 59 | 12 44 | 12 55 | 21 6 | 17 50 | 4 30 |
| W 5 | 16 32 | 1s 4 | 2 13 | 9 29 | 4 51 | 13 55 | 1 26 | 23 2 | 0 9 | 18 26 | 1 6 | 20 7 | 1 57 | 3 55 | 0 45 | 21 45 | 1 7 | 4 1 | 16 59 | 12 42 | 12 54 | 21 9 | 17 50 | 4 30 |
| T 6 | 16 15 | 6 43 | 1 11 | 9 36 | 4 57 | 13 30 | 1 27 | 23 5 | 0 8 | 18 28 | 1 6 | 20 8 | 1 57 | 3 54 | 0 45 | 21 45 | 1 7 | 4 0 | 16 58 | 12 41 | 12 53 | 21 11 | 17 50 | 4 30 |
| F 7 | 15 59 | 12 2 | 0 8 | 9 44 | 5 1 | 13 5 | 1 27 | 23 7 | 0 7 | 18 29 | 1 6 | 20 8 | 1 57 | 3 53 | 0 45 | 21 45 | 1 7 | 4 0 | 16 57 | 12 41 | 12 52 | 21 13 | 17 50 | 4 31 |
| S 8 | 15 41 | 16 51 | 0s55 | 9 55 | 5 3 | 12 40 | 1 28 | 23 9 | 0 6 | 18 31 | 1 6 | 20 9 | 1 57 | 3 51 | 0 45 | 21 45 | 1 7 | 3 59 | 16 57 | 12 41 | 12 51 | 21 16 | 17 50 | 4 31 |
| S 9 | 15 24 | 20 59 | 1 55 | 10 7 | 5 4 | 12 14 | 1 28 | 23 11 | 0 5 | 18 32 | 1 6 | 20 9 | 1 57 | 3 50 | 0 45 | 21 45 | 1 7 | 3 58 | 16 56 | 12 41 | 12 50 | 21 18 | 17 50 | 4 31 |
| M10 | 15 7 | 24 17 | 2 50 | 10 21 | 5 3 | 11 48 | 1 28 | 23 13 | 0 4 | 18 34 | 1 7 | 20 10 | 1 57 | 3 49 | 0 45 | 21 46 | 1 7 | 3 57 | 16 56 | 12 40 | 12 49 | 21 20 | 17 50 | 4 32 |
| T 11 | 14 49 | 26 33 | 3 39 | 10 37 | 5 0 | 11 21 | 1 29 | 23 15 | 0 3 | 18 35 | 1 7 | 20 10 | 1 58 | 3 48 | 0 45 | 21 46 | 1 7 | 3 56 | 16 55 | 12 39 | 12 48 | 21 23 | 17 50 | 4 32 |
| W12 | 14 31 | 27 36 | 4 18 | 10 53 | 4 56 | 10 55 | 1 29 | 23 16 | 0 3 | 18 36 | 1 7 | 20 11 | 1 58 | 3 46 | 0 45 | 21 46 | 1 7 | 3 56 | 16 55 | 12 37 | 12 47 | 21 25 | 17 50 | 4 32 |
| T 13 | 14 12 | 27 18 | 4 46 | 11 10 | 4 49 | 10 28 | 1 29 | 23 17 | 0 2 | 18 38 | 1 7 | 20 11 | 1 58 | 3 45 | 0 45 | 21 46 | 1 7 | 3 55 | 16 54 | 12 34 | 12 46 | 21 27 | 17 50 | 4 33 |
| F 14 | 13 54 | 25 36 | 5 0 | 11 28 | 4 41 | 10 1 | 1 29 | 23 18 | 0 1 | 18 39 | 1 7 | 20 11 | 1 58 | 3 44 | 0 45 | 21 46 | 1 7 | 3 54 | 16 54 | 12 31 | 12 44 | 21 30 | 17 50 | 4 33 |
| S 15 | 13 35 | 22 32 | 5 0 | 11 47 | 4 32 | 9 33 | 1 29 | 23 19 | 0n 0 | 18 40 | 1 7 | 20 12 | 1 58 | 3 42 | 0 45 | 21 46 | 1 7 | 3 53 | 16 53 | 12 27 | 12 43 | 21 32 | 17 50 | 4 33 |
| S 16 | 13 16 | 18 15 | 4 44 | 12 5 | 4 21 | 9 5 | 1 29 | 23 19 | 0 1 | 18 41 | 1 8 | 20 12 | 1 58 | 3 41 | 0 45 | 21 46 | 1 7 | 3 52 | 16 53 | 12 23 | 12 42 | 21 34 | 17 50 | 4 34 |
| M17 | 12 57 | 12 59 | 4 12 | 12 23 | 4 9 | 8 37 | 1 29 | 23 20 | 0 2 | 18 43 | 1 8 | 20 12 | 1 58 | 3 39 | 0 45 | 21 46 | 1 7 | 3 51 | 16 52 | 12 20 | 12 41 | 21 37 | 17 49 | 4 34 |
| T 18 | 12 38 | 6 59 | 3 24 | 12 41 | 3 55 | 8 9 | 1 28 | 23 20 | 0 3 | 18 44 | 1 8 | 20 13 | 1 58 | 3 38 | 0 45 | 21 47 | 1 7 | 3 50 | 16 52 | 12 17 | 12 40 | 21 39 | 17 49 | 4 34 |
| W19 | 12 18 | 0 35 | 2 25 | 12 58 | 3 41 | 7 41 | 1 28 | 23 20 | 0 4 | 18 45 | 1 8 | 20 13 | 1 59 | 3 37 | 0 45 | 21 47 | 1 7 | 3 50 | 16 51 | 12 15 | 12 39 | 21 41 | 17 49 | 4 35 |
| T 20 | 11 59 | 5n54 | 1 15 | 13 14 | 3 26 | 7 12 | 1 28 | 23 19 | 0 5 | 18 46 | 1 8 | 20 13 | 1 59 | 3 35 | 0 45 | 21 47 | 1 7 | 3 49 | 16 51 | 12 14 | 12 38 | 21 43 | 17 49 | 4 35 |
| F 21 | 11 39 | 12 10 | 0 1 | 13 29 | 3 10 | 6 43 | 1 27 | 23 19 | 0 5 | 18 47 | 1 8 | 20 14 | 1 59 | 3 34 | 0 45 | 21 47 | 1 7 | 3 48 | 16 50 | 12 14 | 12 37 | 21 46 | 17 49 | 4 36 |
| S 22 | 11 19 | 17 49 | 1n14 | 13 43 | 2 54 | 6 14 | 1 27 | 23 18 | 0 6 | 18 48 | 1 9 | 20 14 | 1 59 | 3 33 | 0 45 | 21 47 | 1 7 | 3 47 | 16 50 | 12 14 | 12 36 | 21 48 | 17 49 | 4 36 |
| S 23 | 10 58 | 22 30 | 2 24 | 13 55 | 2 37 | 5 45 | 1 26 | 23 17 | 0 7 | 18 49 | 1 9 | 20 14 | 1 59 | 3 31 | 0 45 | 21 47 | 1 7 | 3 46 | 16 49 | 12 14 | 12 35 | 21 50 | 17 48 | 4 36 |
| M24 | 10 38 | 25 50 | 3 26 | 14 5 | 2 20 | 5 16 | 1 26 | 23 16 | 0 8 | 18 50 | 1 9 | 20 15 | 1 59 | 3 30 | 0 45 | 21 47 | 1 7 | 3 45 | 16 49 | 12 14 | 12 34 | 21 53 | 17 48 | 4 37 |
| T 25 | 10 17 | 27 33 | 4 15 | 14 13 | 2 3 | 4 46 | 1 25 | 23 15 | 0 9 | 18 50 | 1 9 | 20 15 | 2 0 | 3 28 | 0 45 | 21 47 | 1 7 | 3 44 | 16 48 | 12 13 | 12 33 | 21 55 | 17 48 | 4 37 |
| W26 | 9 57 | 27 29 | 4 48 | 14 19 | 1 46 | 4 16 | 1 24 | 23 13 | 0 10 | 18 51 | 1 9 | 20 15 | 2 0 | 3 27 | 0 45 | 21 47 | 1 7 | 3 43 | 16 48 | 12 11 | 12 32 | 21 57 | 17 48 | 4 37 |
| T 27 | 9 36 | 25 40 | 5 4 | 14 23 | 1 29 | 3 47 | 1 23 | 23 12 | 0 11 | 18 52 | 1 9 | 20 15 | 2 0 | 3 25 | 0 45 | 21 48 | 1 7 | 3 42 | 16 47 | 12 9 | 12 30 | 21 59 | 17 48 | 4 38 |
| F 28 | 9 15 | 22 20 | 5 2 | 14 25 | 1 12 | 3 17 | 1 22 | 23 10 | 0 12 | 18 53 | 1 9 | 20 15 | 2 0 | 3 24 | 0 45 | 21 48 | 1 7 | 3 41 | 16 47 | 12 6 | 12 29 | 22 2 | 17 48 | 4 38 |
| S 29 | 8 54 | 17 50 | 4 43 | 14 24 | 0 56 | 2 47 | 1 21 | 23 8 | 0 13 | 18 54 | 1 10 | 20 16 | 2 0 | 3 22 | 0 45 | 21 48 | 1 7 | 3 41 | 16 47 | 12 3 | 12 28 | 22 4 | 17 47 | 4 39 |
| S 30 | 8 32 | 12 32 | 4 8 | 14 20 | 0 40 | 2 17 | 1 20 | 23 5 | 0 14 | 18 54 | 1 10 | 20 16 | 2 0 | 3 21 | 0 45 | 21 48 | 1 7 | 3 40 | 16 46 | 12 0 | 12 27 | 22 6 | 17 47 | 4 39 |
| M31 | 8n11 | 6n48 | 3n21 | 14n13 | 0s25 | 1n47 | 1n19 | 23n 3 | 0n15 | 18n55 | 1s10 | 20n16 | 2s 1 | 3n20 | 0n45 | 21s48 | 1n 7 | 3n39 | 16n46 | 11n57 | 12n26 | 22s 8 | 17n47 | 4s39 |

Julian Day Number = 2806773.5, Delta T = 51m56s
Ecliptic obliquity = 23°18'55, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'17, Lahiri = 37°28'17


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# ASTRODIENST EPHEMERIS for the year 2972
# geocentric

## SEPTEMBER 2972 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 44 26 | 9♍53'43 | 3♎21 | 21♌37 | 29♍48 | 12♋20 | 0♊ 6 | 13♊12 | 23♍22 | 10°R28 | 2♏ 6 | 1°R28 | 2♉55 | 29♏26 | 14♊23 | T 1 |
| W 2 | 22 48 23 | 10°51'27 | 15°50 | 22°56 | 1♎ 2 | 12°59 | 0° 9 | 13°14 | 23°26 | 10♑28 | 2° 8 | 1♉24 | 2°51 | 29°33 | 14°24 | W 2 |
| T 3 | 22 52 19 | 11°49'11 | 28° 3 | 24°21 | 2°15 | 13°39 | 0°12 | 13°16 | 23°30 | 10°27 | 2°10 | 1°D23 | 2°48 | 29°39 | 14°25 | T 3 |
| F 4 | 22 56 16 | 12°46'57 | 10♏ 4 | 25°50 | 3°29 | 14°18 | 0°15 | 13°19 | 23°33 | 10°27 | 2°11 | 1°23 | 2°45 | 29°46 | 14°26 | F 4 |
| S 5 | 23 0 12 | 13°44'44 | 21°57 | 27°24 | 4°43 | 14°57 | 0°18 | 13°21 | 23°37 | 10°26 | 2°13 | 1°24 | 2°42 | 29°53 | 14°27 | S 5 |
| S 6 | 23 4 9 | 14°42'32 | 3♐46 | 29° 3 | 5°56 | 15°36 | 0°21 | 13°23 | 23°41 | 10°26 | 2°15 | 1°26 | 2°39 | 29°59 | 14°28 | S 6 |
| M 7 | 23 8 5 | 15°40'21 | 15°37 | 0♑45 | 7°10 | 16°15 | 0°23 | 13°25 | 23°44 | 10°25 | 2°17 | 1°R26 | 2°36 | 0♐ 6 | 14°29 | M 7 |
| T 8 | 23 12 2 | 16°38'12 | 27°34 | 2°31 | 8°23 | 16°54 | 0°25 | 13°27 | 23°48 | 10°25 | 2°18 | 1°25 | 2°32 | 0°13 | 14°29 | T 8 |
| W 9 | 23 15 59 | 17°36'03 | 9♑43 | 4°19 | 9°37 | 17°32 | 0°27 | 13°28 | 23°52 | 10°24 | 2°20 | 1°23 | 2°29 | 0°19 | 14°30 | W 9 |
| T 10 | 23 19 55 | 18°33'56 | 22° 8 | 6°10 | 10°50 | 18°11 | 0°29 | 13°30 | 23°56 | 10°24 | 2°22 | 1°19 | 2°26 | 0°26 | 14°30 | T 10 |
| F 11 | 23 23 52 | 19°31'49 | 4♒53 | 8° 3 | 12° 4 | 18°49 | 0°31 | 13°31 | 23°59 | 10°24 | 2°24 | 1°13 | 2°23 | 0°33 | 14°31 | F 11 |
| S 12 | 23 27 48 | 20°29'45 | 18° 0 | 9°58 | 13°17 | 19°28 | 0°32 | 13°33 | 24° 3 | 10°23 | 2°26 | 1° 7 | 2°20 | 0°39 | 14°31 | S 12 |
| S 13 | 23 31 45 | 21°27'41 | 1♓28 | 11°54 | 14°30 | 20° 6 | 0°33 | 13°34 | 24° 7 | 10°23 | 2°28 | 1° 0 | 2°16 | 0°46 | 14°32 | S 13 |
| M14 | 23 35 41 | 22°25'39 | 15°17 | 13°51 | 15°44 | 20°44 | 0°34 | 13°35 | 24°11 | 10°23 | 2°30 | 0°54 | 2°13 | 0°53 | 14°32 | M14 |
| T 15 | 23 39 38 | 23°23'38 | 29°23 | 15°48 | 16°57 | 21°22 | 0°35 | 13°36 | 24°15 | 10°23 | 2°32 | 0°50 | 2°10 | 0°59 | 14°32 | T 15 |
| W16 | 23 43 34 | 24°21'39 | 13♈41 | 17°46 | 18°11 | 22° 0 | 0°36 | 13°37 | 24°18 | 10°22 | 2°34 | 0°47 | 2° 7 | 1° 6 | 14°33 | W16 |
| T 17 | 23 47 31 | 25°19'41 | 28° 8 | 19°44 | 19°24 | 22°38 | 0°36 | 13°38 | 24°22 | 10°22 | 2°36 | 0°D46 | 2° 4 | 1°13 | 14°33 | T 17 |
| F 18 | 23 51 28 | 26°17'45 | 12♉36 | 21°41 | 20°38 | 23°16 | 0°36 | 13°39 | 24°26 | 10°22 | 2°38 | 0°46 | 2° 1 | 1°19 | 14°33 | F 18 |
| S 19 | 23 55 24 | 27°15'52 | 27° 2 | 23°38 | 21°51 | 23°53 | 0°R36 | 13°40 | 24°30 | 10°22 | 2°40 | 0°47 | 1°57 | 1°26 | 14°R33 | S 19 |
| S 20 | 23 59 21 | 28°14'00 | 11♊23 | 25°34 | 23° 4 | 24°31 | 0°36 | 13°40 | 24°33 | 10°22 | 2°42 | 0°49 | 1°54 | 1°33 | 14°33 | S 20 |
| M21 | 0 3 17 | 29°12'10 | 25°34 | 27°30 | 24°18 | 25° 8 | 0°36 | 13°41 | 24°37 | 10°D22 | 2°44 | 0°R50 | 1°51 | 1°39 | 14°33 | M21 |
| T 22 | 0 7 14 | 0♎10'22 | 9♋36 | 29°25 | 25°31 | 25°45 | 0°35 | 13°41 | 24°41 | 10°22 | 2°46 | 0°49 | 1°48 | 1°46 | 14°33 | T 22 |
| W23 | 0 11 10 | 1° 8'36 | 23°26 | 1♎19 | 26°44 | 26°22 | 0°34 | 13°41 | 24°45 | 10°22 | 2°48 | 0°48 | 1°45 | 1°53 | 14°32 | W23 |
| T 24 | 0 15 7 | 2° 6'53 | 7♌ 3 | 3°12 | 27°58 | 27° 0 | 0°33 | 13°41 | 24°48 | 10°22 | 2°50 | 0°45 | 1°41 | 1°59 | 14°32 | T 24 |
| F 25 | 0 19 3 | 3° 5'11 | 20°28 | 5° 4 | 29°11 | 27°36 | 0°32 | 13°R41 | 24°52 | 10°22 | 2°52 | 0°41 | 1°38 | 2° 6 | 14°32 | F 25 |
| S 26 | 0 23 0 | 4° 3'31 | 3♍40 | 6°55 | 0♏24 | 28°13 | 0°31 | 13°41 | 24°56 | 10°22 | 2°54 | 0°37 | 1°35 | 2°13 | 14°31 | S 26 |
| S 27 | 0 26 57 | 5° 1'52 | 16°37 | 8°45 | 1°37 | 28°50 | 0°29 | 13°41 | 25° 0 | 10°23 | 2°56 | 0°33 | 1°32 | 2°19 | 14°31 | S 27 |
| M28 | 0 30 53 | 6° 0'16 | 29°21 | 10°34 | 2°51 | 29°26 | 0°28 | 13°41 | 25° 3 | 10°23 | 2°58 | 0°29 | 1°29 | 2°26 | 14°30 | M28 |
| T 29 | 0 34 50 | 6°58'41 | 11♎51 | 12°22 | 4° 4 | 0♌ 3 | 0°26 | 13°40 | 25° 7 | 10°23 | 3° 1 | 0°27 | 1°26 | 2°33 | 14°29 | T 29 |
| W30 | 0 38 46 | 7♎57'09 | 24♎ 8 | 14♎ 9 | 5♏17 | 0♌39 | 0♊23 | 13♊40 | 25♍11 | 10♑23 | 3♏ 3 | 0♉26 | 1♉22 | 2♐39 | 14♊29 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n49 | 0n53 | 2n25 | 14n 4 | 0s10 | 1n16 | 1n18 | 23n 1 | 0n16 | 18n55 | 1s10 | 20n16 | 2s 1 | 3n18 | 0n45 | 21s48 | 1n 6 | 3n38 | 16n45 | 11n55 | 12n25 | 22s10 | 17n47 | 4s40 |
| W 2 | 7 27 | 4s55 | 1 23 | 13 52 | 0n 4 | 0 46 | 1 17 | 22 58 | 0 17 | 18 56 | 1 10 | 20 16 | 2 1 | 3 17 | 0 45 | 21 48 | 1 6 | 3 37 | 16 45 | 11 54 | 12 24 | 22 13 | 17 46 | 4 40 |
| T 3 | 7 6 | 10 27 | 0 18 | 13 37 | 0 17 | 0 16 | 1 15 | 22 55 | 0 18 | 18 56 | 1 10 | 20 16 | 2 1 | 3 15 | 0 45 | 21 48 | 1 6 | 3 36 | 16 44 | 11 54 | 12 23 | 22 15 | 17 46 | 4 40 |
| F 4 | 6 44 | 15 30 | 0s47 | 13 19 | 0 30 | 0s15 | 1 14 | 22 52 | 0 19 | 18 57 | 1 11 | 20 17 | 2 1 | 3 14 | 0 45 | 21 48 | 1 6 | 3 35 | 16 44 | 11 54 | 12 22 | 22 17 | 17 46 | 4 41 |
| S 5 | 6 22 | 19 55 | 1 49 | 12 57 | 0 41 | 0 45 | 1 13 | 22 48 | 0 20 | 18 57 | 1 11 | 20 17 | 2 1 | 3 12 | 0 45 | 21 48 | 1 6 | 3 34 | 16 44 | 11 54 | 12 21 | 22 19 | 17 45 | 4 41 |
| S 6 | 5 59 | 23 31 | 2 46 | 12 34 | 0 52 | 1 15 | 1 11 | 22 45 | 0 21 | 18 58 | 1 11 | 20 17 | 2 1 | 3 11 | 0 45 | 21 48 | 1 6 | 3 33 | 16 43 | 11 55 | 12 20 | 22 21 | 17 45 | 4 42 |
| M 7 | 5 37 | 26 8 | 3 36 | 12 7 | 1 2 | 1 46 | 1 10 | 22 41 | 0 22 | 18 58 | 1 11 | 20 17 | 2 2 | 3 9 | 0 44 | 21 49 | 1 6 | 3 32 | 16 43 | 11 55 | 12 19 | 22 24 | 17 45 | 4 42 |
| T 8 | 5 15 | 27 35 | 4 18 | 11 37 | 1 10 | 2 16 | 1 8 | 22 38 | 0 23 | 18 58 | 1 11 | 20 17 | 2 2 | 3 8 | 0 44 | 21 49 | 1 6 | 3 31 | 16 42 | 11 55 | 12 17 | 22 26 | 17 45 | 4 42 |
| W 9 | 4 53 | 27 45 | 4 48 | 11 5 | 1 18 | 2 46 | 1 6 | 22 34 | 0 24 | 18 58 | 1 11 | 20 17 | 2 2 | 3 6 | 0 44 | 21 49 | 1 6 | 3 30 | 16 42 | 11 54 | 12 16 | 22 28 | 17 44 | 4 43 |
| T 10 | 4 30 | 26 32 | 5 6 | 10 31 | 1 25 | 3 17 | 1 5 | 22 30 | 0 25 | 18 59 | 1 12 | 20 17 | 2 2 | 3 5 | 0 44 | 21 49 | 1 6 | 3 29 | 16 42 | 11 52 | 12 15 | 22 30 | 17 44 | 4 43 |
| F 11 | 4 7 | 23 56 | 5 9 | 9 55 | 1 31 | 3 47 | 1 3 | 22 25 | 0 26 | 18 59 | 1 12 | 20 17 | 2 2 | 3 3 | 0 44 | 21 49 | 1 6 | 3 28 | 16 41 | 11 50 | 12 14 | 22 32 | 17 44 | 4 44 |
| S 12 | 3 45 | 20 4 | 4 56 | 9 16 | 1 36 | 4 17 | 1 1 | 22 21 | 0 27 | 18 59 | 1 12 | 20 17 | 2 2 | 3 2 | 0 44 | 21 49 | 1 6 | 3 27 | 16 41 | 11 48 | 12 13 | 22 35 | 17 43 | 4 44 |
| S 13 | 3 22 | 15 4 | 4 27 | 8 36 | 1 40 | 4 47 | 0 59 | 22 17 | 0 28 | 18 59 | 1 12 | 20 17 | 2 3 | 3 0 | 0 44 | 21 49 | 1 6 | 3 26 | 16 41 | 11 46 | 12 12 | 22 37 | 17 43 | 4 44 |
| M14 | 2 59 | 9 11 | 3 42 | 7 54 | 1 43 | 5 17 | 0 57 | 22 12 | 0 29 | 18 59 | 1 12 | 20 17 | 2 3 | 2 59 | 0 44 | 21 49 | 1 6 | 3 26 | 16 40 | 11 44 | 12 11 | 22 39 | 17 43 | 4 45 |
| T 15 | 2 37 | 2 44 | 2 43 | 7 11 | 1 45 | 5 47 | 0 55 | 22 7 | 0 30 | 18 59 | 1 12 | 20 17 | 2 3 | 2 57 | 0 44 | 21 49 | 1 6 | 3 25 | 16 40 | 11 42 | 12 10 | 22 41 | 17 42 | 4 45 |
| W16 | 2 14 | 3n58 | 1 32 | 6 26 | 1 46 | 6 17 | 0 53 | 22 2 | 0 31 | 18 59 | 1 13 | 20 17 | 2 3 | 2 56 | 0 44 | 21 49 | 1 6 | 3 24 | 16 40 | 11 41 | 12 9 | 22 43 | 17 42 | 4 45 |
| T 17 | 1 51 | 10 32 | 0 14 | 5 41 | 1 47 | 6 46 | 0 51 | 21 57 | 0 32 | 18 59 | 1 13 | 20 17 | 2 3 | 2 54 | 0 44 | 21 49 | 1 6 | 3 23 | 16 39 | 11 41 | 12 8 | 22 45 | 17 41 | 4 46 |
| F 18 | 1 28 | 16 34 | 1n 4 | 4 55 | 1 46 | 7 16 | 0 49 | 21 52 | 0 33 | 18 59 | 1 13 | 20 17 | 2 3 | 2 53 | 0 44 | 21 49 | 1 6 | 3 22 | 16 39 | 11 41 | 12 7 | 22 47 | 17 41 | 4 46 |
| S 19 | 1 5 | 21 39 | 2 19 | 4 8 | 1 46 | 7 45 | 0 46 | 21 46 | 0 34 | 18 59 | 1 13 | 20 17 | 2 4 | 2 51 | 0 44 | 21 49 | 1 6 | 3 21 | 16 39 | 11 41 | 12 6 | 22 50 | 17 41 | 4 47 |
| S 20 | 0 42 | 25 24 | 3 24 | 3 21 | 1 44 | 8 14 | 0 44 | 21 41 | 0 35 | 18 59 | 1 13 | 20 16 | 2 4 | 2 50 | 0 44 | 21 49 | 1 6 | 3 20 | 16 38 | 11 42 | 12 4 | 22 52 | 17 40 | 4 47 |
| M21 | 0 19 | 27 30 | 4 16 | 2 33 | 1 42 | 8 43 | 0 42 | 21 35 | 0 36 | 18 58 | 1 13 | 20 16 | 2 4 | 2 48 | 0 44 | 21 49 | 1 6 | 3 19 | 16 38 | 11 42 | 12 3 | 22 54 | 17 40 | 4 47 |
| T 22 | 0s 4 | 27 49 | 4 52 | 1 45 | 1 39 | 9 12 | 0 39 | 21 29 | 0 37 | 18 58 | 1 14 | 20 16 | 2 4 | 2 47 | 0 44 | 21 49 | 1 6 | 3 18 | 16 38 | 11 42 | 12 2 | 22 56 | 17 40 | 4 48 |
| W23 | 0 27 | 26 24 | 5 10 | 0 57 | 1 36 | 9 41 | 0 37 | 21 24 | 0 38 | 18 58 | 1 14 | 20 16 | 2 4 | 2 46 | 0 44 | 21 49 | 1 6 | 3 17 | 16 37 | 11 41 | 12 1 | 22 58 | 17 39 | 4 48 |
| T 24 | 0 50 | 23 26 | 5 11 | 0 9 | 1 32 | 10 9 | 0 34 | 21 18 | 0 39 | 18 57 | 1 14 | 20 16 | 2 4 | 2 44 | 0 44 | 21 49 | 1 5 | 3 16 | 16 37 | 11 40 | 12 0 | 23 0 | 17 39 | 4 49 |
| F 25 | 1 13 | 19 15 | 4 55 | 0s39 | 1 28 | 10 38 | 0 32 | 21 11 | 0 40 | 18 57 | 1 14 | 20 16 | 2 5 | 2 43 | 0 44 | 21 50 | 1 5 | 3 15 | 16 37 | 11 39 | 11 59 | 23 2 | 17 38 | 4 49 |
| S 26 | 1 36 | 14 12 | 4 23 | 1 27 | 1 24 | 11 6 | 0 29 | 21 5 | 0 41 | 18 57 | 1 14 | 20 16 | 2 5 | 2 41 | 0 44 | 21 50 | 1 5 | 3 14 | 16 37 | 11 38 | 11 58 | 23 4 | 17 38 | 4 49 |
| S 27 | 1 59 | 8 36 | 3 38 | 2 15 | 1 19 | 11 34 | 0 27 | 20 59 | 0 42 | 18 56 | 1 14 | 20 15 | 2 5 | 2 40 | 0 45 | 21 50 | 1 5 | 3 13 | 16 36 | 11 36 | 11 57 | 23 6 | 17 37 | 4 50 |
| M28 | 2 22 | 2 45 | 2 43 | 3 2 | 1 14 | 12 1 | 0 24 | 20 52 | 0 44 | 18 56 | 1 15 | 20 15 | 2 5 | 2 38 | 0 45 | 21 50 | 1 5 | 3 12 | 16 36 | 11 35 | 11 56 | 23 8 | 17 37 | 4 50 |
| T 29 | 2 45 | 3s 7 | 1 41 | 3 49 | 1 8 | 12 28 | 0 21 | 20 46 | 0 45 | 18 55 | 1 15 | 20 15 | 2 5 | 2 37 | 0 45 | 21 50 | 1 5 | 3 12 | 16 36 | 11 34 | 11 55 | 23 10 | 17 37 | 4 51 |
| W30 | 3s 8 | 8s46 | 0n35 | 4s35 | 1n 3 | 12s55 | 0n19 | 20n39 | 0n46 | 18n54 | 1s15 | 20n15 | 2s 5 | 2n35 | 0n45 | 21s50 | 1n 5 | 3n11 | 16n36 | 11n34 | 11n53 | 23s12 | 17n36 | 4s51 |

Julian Day Number = 2806804.5, Delta T = 51m57s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'21, Lahiri = 37°28'21


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# ASTRODIENST EPHEMERIS for the year 2972
# geocentric

## OCTOBER 2972 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 42 43 | 8♎55'38 | 6♏14 | 15♎54 | 6♏30 | 1♌15 | 0°R21 | 13°R39 | 25♍15 | 10♑24 | 3♏ 5 | 0°D26 | 1♉19 | 2♐46 | 14°R28 | T 1 |
| F 2 | 0 46 39 | 9°54'08 | 18°10 | 17°39 | 7°44 | 1°51 | 0♊18 | 13♊38 | 25°18 | 10°24 | 3° 7 | 0♉27 | 1°16 | 2°53 | 14♊27 | F 2 |
| S 3 | 0 50 36 | 10°52'41 | 0♐ 1 | 19°22 | 8°57 | 2°27 | 0°16 | 13°37 | 25°22 | 10°24 | 3°10 | 0°28 | 1°13 | 2°59 | 14°26 | S 3 |
| S 4 | 0 54 32 | 11°51'15 | 11°49 | 21° 5 | 10°10 | 3° 3 | 0°13 | 13°36 | 25°26 | 10°25 | 3°12 | 0°30 | 1°10 | 3° 6 | 14°25 | S 4 |
| M 5 | 0 58 29 | 12°49'51 | 23°39 | 22°46 | 11°23 | 3°39 | 0° 9 | 13°35 | 25°29 | 10°25 | 3°14 | 0°31 | 1° 7 | 3°13 | 14°24 | M 5 |
| T 6 | 1 2 25 | 13°48'28 | 5♑36 | 24°27 | 12°36 | 4°14 | 0° 6 | 13°34 | 25°33 | 10°26 | 3°16 | 0°32 | 1° 3 | 3°19 | 14°23 | T 6 |
| W 7 | 1 6 22 | 14°47'08 | 17°43 | 26° 6 | 13°49 | 4°50 | 0° 3 | 13°33 | 25°36 | 10°26 | 3°19 | 0°R32 | 1° 0 | 3°26 | 14°22 | W 7 |
| T 8 | 1 10 19 | 15°45'48 | 0♒ 7 | 27°45 | 15° 2 | 5°25 | 29♉59 | 13°32 | 25°40 | 10°27 | 3°21 | 0°31 | 0°57 | 3°33 | 14°21 | T 8 |
| F 9 | 1 14 15 | 16°44'31 | 12°50 | 29°22 | 16°16 | 6° 0 | 29°55 | 13°30 | 25°44 | 10°27 | 3°23 | 0°30 | 0°54 | 3°39 | 14°20 | F 9 |
| S 10 | 1 18 12 | 17°43'15 | 25°56 | 0♏59 | 17°29 | 6°35 | 29°51 | 13°28 | 25°47 | 10°28 | 3°25 | 0°29 | 0°51 | 3°46 | 14°18 | S 10 |
| S 11 | 1 22 8 | 18°42'00 | 9♓28 | 2°34 | 18°42 | 7° 9 | 29°47 | 13°27 | 25°51 | 10°29 | 3°28 | 0°27 | 0°47 | 3°53 | 14°17 | S 11 |
| M12 | 1 26 5 | 19°40'48 | 23°25 | 4° 9 | 19°55 | 7°44 | 29°42 | 13°25 | 25°54 | 10°29 | 3°30 | 0°26 | 0°44 | 3°59 | 14°16 | M12 |
| T 13 | 1 30 1 | 20°39'37 | 7♈45 | 5°43 | 21° 8 | 8°19 | 29°37 | 13°23 | 25°58 | 10°30 | 3°32 | 0°25 | 0°41 | 4° 6 | 14°14 | T 13 |
| W14 | 1 33 58 | 21°38'28 | 22°23 | 7°16 | 22°21 | 8°53 | 29°33 | 13°21 | 26° 1 | 10°31 | 3°35 | 0°24 | 0°38 | 4°13 | 14°13 | W14 |
| T 15 | 1 37 54 | 22°37'21 | 7♉13 | 8°48 | 23°34 | 9°27 | 29°28 | 13°19 | 26° 5 | 10°31 | 3°37 | 0°D24 | 0°35 | 4°19 | 14°11 | T 15 |
| F 16 | 1 41 51 | 23°36'16 | 22° 7 | 10°19 | 24°46 | 10° 1 | 29°23 | 13°17 | 26° 8 | 10°32 | 3°39 | 0°25 | 0°32 | 4°26 | 14° 9 | F 16 |
| S 17 | 1 45 48 | 24°35'13 | 6♊58 | 11°50 | 25°59 | 10°35 | 29°17 | 13°15 | 26°12 | 10°33 | 3°42 | 0°25 | 0°28 | 4°33 | 14° 8 | S 17 |
| S 18 | 1 49 44 | 25°34'13 | 21°39 | 13°19 | 27°12 | 11° 9 | 29°12 | 13°12 | 26°15 | 10°34 | 3°44 | 0°26 | 0°25 | 4°39 | 14° 6 | S 18 |
| M19 | 1 53 41 | 26°33'15 | 6♋ 5 | 14°48 | 28°25 | 11°42 | 29° 6 | 13°10 | 26°19 | 10°35 | 3°47 | 0°26 | 0°22 | 4°46 | 14° 4 | M19 |
| T 20 | 1 57 37 | 27°32'19 | 20°12 | 16°15 | 29°38 | 12°16 | 29° 0 | 13° 7 | 26°22 | 10°36 | 3°49 | 0°26 | 0°19 | 4°53 | 14° 2 | T 20 |
| W21 | 2 1 34 | 28°31'25 | 3♌59 | 17°42 | 0♐51 | 12°49 | 28°54 | 13° 5 | 26°25 | 10°37 | 3°51 | 0°R26 | 0°16 | 4°59 | 14° 0 | W21 |
| T 22 | 2 5 30 | 29°30'34 | 17°27 | 19° 8 | 2° 4 | 13°22 | 28°48 | 13° 2 | 26°29 | 10°38 | 3°54 | 0°26 | 0°13 | 5° 6 | 13°58 | T 22 |
| F 23 | 2 9 27 | 0♏29'45 | 0♍36 | 20°33 | 3°16 | 13°55 | 28°42 | 12°59 | 26°32 | 10°39 | 3°56 | 0°D26 | 0° 9 | 5°13 | 13°56 | F 23 |
| S 24 | 2 13 23 | 1°28'58 | 13°28 | 21°57 | 4°29 | 14°27 | 28°36 | 12°56 | 26°35 | 10°40 | 3°58 | 0°26 | 0° 6 | 5°19 | 13°54 | S 24 |
| S 25 | 2 17 20 | 2°28'13 | 26° 5 | 23°20 | 5°42 | 15° 0 | 28°29 | 12°53 | 26°38 | 10°41 | 4° 1 | 0°26 | 0° 3 | 5°26 | 13°52 | S 25 |
| M26 | 2 21 17 | 3°27'30 | 8♎30 | 24°43 | 6°55 | 15°32 | 28°23 | 12°50 | 26°42 | 10°42 | 4° 3 | 0°27 | 29♈59 | 5°33 | 13°50 | M26 |
| T 27 | 2 25 13 | 4°26'50 | 20°43 | 26° 4 | 8° 7 | 16° 4 | 28°16 | 12°47 | 26°45 | 10°43 | 4° 6 | 0°27 | 29°57 | 5°39 | 13°48 | T 27 |
| W28 | 2 29 10 | 5°26'11 | 2♏48 | 27°24 | 9°20 | 16°36 | 28° 9 | 12°43 | 26°48 | 10°44 | 4° 8 | 0°R27 | 29°53 | 5°46 | 13°45 | W28 |
| T 29 | 2 33 6 | 6°25'35 | 14°45 | 28°43 | 10°33 | 17° 8 | 28° 2 | 12°40 | 26°51 | 10°45 | 4°10 | 0°27 | 29°50 | 5°53 | 13°43 | T 29 |
| F 30 | 2 37 3 | 7°25'01 | 26°38 | 0♐ 0 | 11°45 | 17°40 | 27°55 | 12°37 | 26°54 | 10°47 | 4°13 | 0°26 | 29°47 | 5°59 | 13°41 | F 30 |
| S 31 | 2 40 59 | 8♏24'28 | 8♐27 | 1♐17 | 12♐58 | 18♌11 | 27♉48 | 12♊33 | 26♍57 | 10♑48 | 4♏15 | 0♉25 | 29♈44 | 6♐ 6 | 13♊38 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 3s31 | 14s 2 | 0s32 | 5s21 | 0n57 | 13s22 | 0n16 | 20n32 | 0n47 | 18n54 | 1s15 | 20n15 | 2s 6 | 2n34 | 0n45 | 21s50 | 1n 5 | 3n10 | 16n35 | 11n34 | 11n52 | 23s15 | 17n36 | 4s51 |
| F 2 | 3 54 | 18 42 | 1 36 | 6 7 | 0 50 | 13 48 | 0 13 | 20 25 | 0 48 | 18 53 | 1 15 | 20 14 | 2 6 | 2 32 | 0 45 | 21 50 | 1 5 | 3 9 | 16 35 | 11 34 | 11 51 | 23 17 | 17 35 | 4 52 |
| S 3 | 4 17 | 22 36 | 2 36 | 6 52 | 0 44 | 14 14 | 0 10 | 20 18 | 0 49 | 18 52 | 1 15 | 20 14 | 2 6 | 2 31 | 0 45 | 21 50 | 1 5 | 3 8 | 16 35 | 11 35 | 11 50 | 23 19 | 17 35 | 4 52 |
| S 4 | 4 40 | 25 33 | 3 29 | 7 36 | 0 37 | 14 40 | 0 8 | 20 11 | 0 50 | 18 52 | 1 15 | 20 14 | 2 6 | 2 29 | 0 45 | 21 50 | 1 5 | 3 7 | 16 35 | 11 35 | 11 49 | 23 21 | 17 34 | 4 52 |
| M 5 | 5 3 | 27 23 | 4 13 | 8 20 | 0 31 | 15 6 | 0 5 | 20 4 | 0 51 | 18 51 | 1 15 | 20 14 | 2 6 | 2 28 | 0 45 | 21 50 | 1 5 | 3 6 | 16 35 | 11 36 | 11 48 | 23 23 | 17 34 | 4 53 |
| T 6 | 5 25 | 27 59 | 4 47 | 9 3 | 0 24 | 15 31 | 0 2 | 19 57 | 0 52 | 18 50 | 1 16 | 20 13 | 2 6 | 2 27 | 0 45 | 21 50 | 1 5 | 3 5 | 16 34 | 11 36 | 11 47 | 23 25 | 17 33 | 4 53 |
| W 7 | 5 48 | 27 15 | 5 9 | 9 46 | 0 17 | 15 55 | 0s 1 | 19 50 | 0 54 | 18 49 | 1 16 | 20 13 | 2 6 | 2 25 | 0 45 | 21 50 | 1 5 | 3 4 | 16 34 | 11 36 | 11 46 | 23 27 | 17 33 | 4 54 |
| T 8 | 6 10 | 25 10 | 5 16 | 10 28 | 0 10 | 16 20 | 0 4 | 19 42 | 0 55 | 18 48 | 1 16 | 20 13 | 2 7 | 2 24 | 0 45 | 21 50 | 1 5 | 3 3 | 16 34 | 11 36 | 11 45 | 23 29 | 17 32 | 4 54 |
| F 9 | 6 33 | 21 49 | 5 9 | 11 9 | 0 3 | 16 44 | 0 7 | 19 35 | 0 56 | 18 47 | 1 16 | 20 12 | 2 7 | 2 22 | 0 45 | 21 50 | 1 5 | 3 3 | 16 34 | 11 35 | 11 44 | 23 31 | 17 32 | 4 54 |
| S 10 | 6 55 | 17 17 | 4 46 | 11 50 | 0s 4 | 17 7 | 0 10 | 19 27 | 0 57 | 18 46 | 1 16 | 20 12 | 2 7 | 2 21 | 0 45 | 21 50 | 1 5 | 3 2 | 16 34 | 11 35 | 11 42 | 23 33 | 17 31 | 4 55 |
| S 11 | 7 17 | 11 47 | 4 6 | 12 29 | 0 12 | 17 30 | 0 13 | 19 20 | 0 58 | 18 45 | 1 16 | 20 12 | 2 7 | 2 20 | 0 45 | 21 50 | 1 5 | 3 1 | 16 34 | 11 34 | 11 41 | 23 35 | 17 31 | 4 55 |
| M12 | 7 40 | 5 32 | 3 11 | 13 8 | 0 19 | 17 53 | 0 16 | 19 12 | 0 59 | 18 44 | 1 16 | 20 11 | 2 7 | 2 18 | 0 45 | 21 50 | 1 5 | 3 0 | 16 34 | 11 34 | 11 40 | 23 37 | 17 30 | 4 55 |
| T 13 | 8 2 | 1n11 | 2 2 | 13 46 | 0 26 | 18 15 | 0 19 | 19 4 | 1 1 | 18 43 | 1 16 | 20 11 | 2 7 | 2 17 | 0 45 | 21 50 | 1 5 | 2 59 | 16 33 | 11 33 | 11 39 | 23 39 | 17 30 | 4 56 |
| W14 | 8 24 | 7 59 | 0 44 | 14 24 | 0 34 | 18 37 | 0 22 | 18 56 | 1 2 | 18 42 | 1 16 | 20 11 | 2 7 | 2 15 | 0 45 | 21 50 | 1 5 | 2 58 | 16 33 | 11 33 | 11 38 | 23 41 | 17 29 | 4 56 |
| T 15 | 8 45 | 14 27 | 0n38 | 15 0 | 0 41 | 18 58 | 0 25 | 18 49 | 1 3 | 18 41 | 1 17 | 20 10 | 2 8 | 2 14 | 0 45 | 21 50 | 1 5 | 2 57 | 16 33 | 11 33 | 11 37 | 23 43 | 17 29 | 4 56 |
| F 16 | 9 7 | 20 6 | 1 58 | 15 36 | 0 48 | 19 19 | 0 28 | 18 41 | 1 4 | 18 40 | 1 17 | 20 10 | 2 8 | 2 13 | 0 45 | 21 50 | 1 5 | 2 57 | 16 33 | 11 33 | 11 36 | 23 45 | 17 28 | 4 57 |
| S 17 | 9 29 | 24 28 | 3 9 | 16 11 | 0 55 | 19 39 | 0 31 | 18 33 | 1 6 | 18 39 | 1 17 | 20 9 | 2 8 | 2 11 | 0 45 | 21 50 | 1 4 | 2 56 | 16 33 | 11 34 | 11 35 | 23 47 | 17 28 | 4 57 |
| S 18 | 9 50 | 27 11 | 4 8 | 16 45 | 1 2 | 19 59 | 0 34 | 18 25 | 1 7 | 18 37 | 1 17 | 20 9 | 2 8 | 2 10 | 0 45 | 21 50 | 1 4 | 2 55 | 16 33 | 11 34 | 11 34 | 23 49 | 17 27 | 4 57 |
| M19 | 10 11 | 28 0 | 4 49 | 17 18 | 1 10 | 20 18 | 0 37 | 18 17 | 1 8 | 18 36 | 1 17 | 20 9 | 2 8 | 2 9 | 0 45 | 21 50 | 1 4 | 2 54 | 16 33 | 11 34 | 11 33 | 23 51 | 17 26 | 4 58 |
| T 20 | 10 33 | 26 57 | 5 13 | 17 50 | 1 17 | 20 37 | 0 40 | 18 8 | 1 9 | 18 35 | 1 17 | 20 8 | 2 8 | 2 7 | 0 45 | 21 50 | 1 4 | 2 53 | 16 33 | 11 34 | 11 31 | 23 52 | 17 26 | 4 58 |
| W21 | 10 54 | 24 17 | 5 17 | 18 22 | 1 24 | 20 55 | 0 43 | 18 0 | 1 10 | 18 33 | 1 17 | 20 8 | 2 8 | 2 6 | 0 45 | 21 50 | 1 4 | 2 53 | 16 33 | 11 34 | 11 30 | 23 54 | 17 25 | 4 58 |
| T 22 | 11 15 | 20 21 | 5 4 | 18 52 | 1 30 | 21 13 | 0 46 | 17 52 | 1 12 | 18 32 | 1 17 | 20 7 | 2 8 | 2 5 | 0 45 | 21 49 | 1 4 | 2 52 | 16 33 | 11 34 | 11 29 | 23 56 | 17 25 | 4 59 |
| F 23 | 11 35 | 15 29 | 4 35 | 19 21 | 1 37 | 21 30 | 0 49 | 17 44 | 1 13 | 18 31 | 1 17 | 20 7 | 2 9 | 2 4 | 0 45 | 21 49 | 1 4 | 2 51 | 16 33 | 11 34 | 11 28 | 23 58 | 17 24 | 4 59 |
| S 24 | 11 56 | 10 3 | 3 52 | 19 50 | 1 44 | 21 47 | 0 52 | 17 36 | 1 14 | 18 29 | 1 17 | 20 6 | 2 9 | 2 2 | 0 45 | 21 49 | 1 4 | 2 50 | 16 33 | 11 34 | 11 27 | 24 0 | 17 24 | 4 59 |
| S 25 | 12 16 | 4 18 | 3 0 | 20 17 | 1 50 | 22 3 | 0 55 | 17 27 | 1 16 | 18 28 | 1 17 | 20 6 | 2 9 | 2 1 | 0 45 | 21 49 | 1 4 | 2 49 | 16 33 | 11 34 | 11 26 | 24 2 | 17 23 | 5 0 |
| M26 | 12 36 | 1s32 | 1 59 | 20 44 | 1 56 | 22 18 | 0 58 | 17 19 | 1 17 | 18 26 | 1 17 | 20 5 | 2 9 | 2 0 | 0 45 | 21 49 | 1 4 | 2 49 | 16 33 | 11 34 | 11 25 | 24 4 | 17 23 | 5 0 |
| T 27 | 12 56 | 7 13 | 0 54 | 21 9 | 2 3 | 22 33 | 1 1 | 17 11 | 1 18 | 18 25 | 1 17 | 20 5 | 2 9 | 1 58 | 0 45 | 21 49 | 1 4 | 2 48 | 16 33 | 11 34 | 11 24 | 24 6 | 17 22 | 5 0 |
| W28 | 13 16 | 12 35 | 0s13 | 21 34 | 2 8 | 22 47 | 1 4 | 17 3 | 1 19 | 18 23 | 1 17 | 20 4 | 2 9 | 1 57 | 0 45 | 21 49 | 1 4 | 2 47 | 16 33 | 11 34 | 11 23 | 24 8 | 17 21 | 5 1 |
| T 29 | 13 36 | 17 26 | 1 19 | 21 57 | 2 14 | 23 1 | 1 7 | 16 54 | 1 21 | 18 22 | 1 17 | 20 4 | 2 9 | 1 56 | 0 45 | 21 49 | 1 4 | 2 47 | 16 33 | 11 34 | 11 21 | 24 10 | 17 21 | 5 1 |
| F 30 | 13 55 | 21 34 | 2 20 | 22 19 | 2 20 | 23 14 | 1 10 | 16 46 | 1 22 | 18 20 | 1 17 | 20 3 | 2 9 | 1 55 | 0 45 | 21 49 | 1 4 | 2 46 | 16 33 | 11 34 | 11 20 | 24 12 | 17 20 | 5 1 |
| S 31 | 14s14 | 24s49 | 3s16 | 22s40 | 2s25 | 23s26 | 1s13 | 16n38 | 1n23 | 18n18 | 1s17 | 20n 3 | 2s 9 | 1n54 | 0n45 | 21s49 | 1n 4 | 2n45 | 16n33 | 11n34 | 11n19 | 24s13 | 17n20 | 5s 1 |

Julian Day Number = 2806834.5, Delta T = 51m57s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'25, Lahiri = 37°28'26


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# ASTRODIENST EPHEMERIS for the year 2972
# geocentric

## NOVEMBER 2972 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 44 56 | 9♏23'58 | 20♐15 | 2♐32 | 14♐11 | 18♌42 | 27°R40 | 12°R29 | 27♍ 0 | 10♑49 | 4♏18 | 0°R24 | 29♈41 | 6♐13 | 13°R36 | S 1 |
| M 2 | 2 48 52 | 10°23'29 | 2♑ 6 | 3°45 | 15°23 | 19°13 | 27♉33 | 12♊26 | 27° 3 | 10°50 | 4°20 | 0♉22 | 29°38 | 6°19 | 13♊33 | M 2 |
| T 3 | 2 52 49 | 11°23'02 | 14° 2 | 4°57 | 16°36 | 19°44 | 27°25 | 12°22 | 27° 6 | 10°52 | 4°22 | 0°21 | 29°34 | 6°26 | 13°31 | T 3 |
| W 4 | 2 56 46 | 12°22'37 | 26° 8 | 6° 7 | 17°48 | 20°14 | 27°18 | 12°18 | 27° 9 | 10°53 | 4°25 | 0°20 | 29°31 | 6°33 | 13°28 | W 4 |
| T 5 | 3 0 42 | 13°22'13 | 8♒28 | 7°15 | 19° 1 | 20°45 | 27°10 | 12°14 | 27°12 | 10°55 | 4°27 | 0°D19 | 29°28 | 6°39 | 13°25 | T 5 |
| F 6 | 3 4 39 | 14°21'51 | 21° 6 | 8°21 | 20°13 | 21°15 | 27° 2 | 12°10 | 27°15 | 10°56 | 4°29 | 0°20 | 29°25 | 6°46 | 13°23 | F 6 |
| S 7 | 3 8 35 | 15°21'31 | 4♓ 6 | 9°25 | 21°26 | 21°44 | 26°54 | 12° 6 | 27°18 | 10°57 | 4°32 | 0°20 | 29°22 | 6°53 | 13°20 | S 7 |
| S 8 | 3 12 32 | 16°21'12 | 17°31 | 10°26 | 22°38 | 22°14 | 26°47 | 12° 2 | 27°21 | 10°59 | 4°34 | 0°21 | 29°19 | 6°59 | 13°17 | S 8 |
| M 9 | 3 16 28 | 17°20'55 | 1♈23 | 11°25 | 23°50 | 22°43 | 26°39 | 11°58 | 27°23 | 11° 0 | 4°36 | 0°23 | 29°15 | 7° 6 | 13°14 | M 9 |
| T 10 | 3 20 25 | 18°20'40 | 15°42 | 12°20 | 25° 3 | 23°12 | 26°31 | 11°54 | 27°26 | 11° 2 | 4°39 | 0°24 | 29°12 | 7°13 | 13°12 | T 10 |
| W11 | 3 24 21 | 19°20'26 | 0♉25 | 13°12 | 26°15 | 23°41 | 26°23 | 11°50 | 27°29 | 11° 3 | 4°41 | 0°R24 | 29° 9 | 7°19 | 13° 9 | W11 |
| T 12 | 3 28 18 | 20°20'14 | 15°26 | 13°59 | 27°27 | 24°10 | 26°15 | 11°45 | 27°32 | 11° 5 | 4°43 | 0°24 | 29° 6 | 7°26 | 13° 6 | T 12 |
| F 13 | 3 32 15 | 21°20'05 | 0♊38 | 14°43 | 28°39 | 24°38 | 26° 6 | 11°41 | 27°34 | 11° 7 | 4°46 | 0°22 | 29° 3 | 7°33 | 13° 3 | F 13 |
| S 14 | 3 36 11 | 22°19'57 | 15°50 | 15°22 | 29°52 | 25° 7 | 25°58 | 11°37 | 27°37 | 11° 8 | 4°48 | 0°20 | 28°59 | 7°39 | 13° 0 | S 14 |
| S 15 | 3 40 8 | 23°19'51 | 0♋53 | 15°56 | 1♑ 4 | 25°35 | 25°50 | 11°32 | 27°39 | 11°10 | 4°50 | 0°16 | 28°56 | 7°46 | 12°57 | S 15 |
| M16 | 3 44 4 | 24°19'48 | 15°38 | 16°24 | 2°16 | 26° 2 | 25°42 | 11°28 | 27°42 | 11°12 | 4°53 | 0°13 | 28°53 | 7°53 | 12°54 | M16 |
| T 17 | 3 48 1 | 25°19'46 | 29°59 | 16°45 | 3°28 | 26°30 | 25°34 | 11°23 | 27°44 | 11°13 | 4°55 | 0°11 | 28°50 | 8° 0 | 12°51 | T 17 |
| W18 | 3 51 57 | 26°19'46 | 13♌55 | 16°59 | 4°40 | 26°57 | 25°26 | 11°18 | 27°47 | 11°15 | 4°57 | 0° 9 | 28°47 | 8° 6 | 12°48 | W18 |
| T 19 | 3 55 54 | 27°19'49 | 27°23 | 17°R 6 | 5°52 | 27°23 | 25°18 | 11°14 | 27°49 | 11°17 | 4°59 | 0°D 8 | 28°44 | 8°13 | 12°45 | T 19 |
| F 20 | 3 59 50 | 28°19'54 | 10♍27 | 17° 4 | 7° 4 | 27°50 | 25° 9 | 11° 9 | 27°51 | 11°18 | 5° 2 | 0° 9 | 28°40 | 8°20 | 12°42 | F 20 |
| S 21 | 4 3 47 | 29°20'00 | 23°10 | 16°54 | 8°16 | 28°16 | 25° 1 | 11° 5 | 27°53 | 11°20 | 5° 4 | 0°10 | 28°37 | 8°26 | 12°39 | S 21 |
| S 22 | 4 7 44 | 0♐20'09 | 5♎35 | 16°33 | 9°28 | 28°42 | 24°53 | 11° 0 | 27°56 | 11°22 | 5° 6 | 0°12 | 28°34 | 8°33 | 12°36 | S 22 |
| M23 | 4 11 40 | 1°20'19 | 17°46 | 16° 3 | 10°39 | 29° 8 | 24°45 | 10°55 | 27°58 | 11°24 | 5° 8 | 0°13 | 28°31 | 8°40 | 12°32 | M23 |
| T 24 | 4 15 37 | 2°20'32 | 29°48 | 15°24 | 11°51 | 29°33 | 24°37 | 10°50 | 28° 0 | 11°26 | 5°11 | 0°R14 | 28°28 | 8°46 | 12°29 | T 24 |
| W25 | 4 19 33 | 3°20'46 | 11♏42 | 14°34 | 13° 3 | 29°58 | 24°29 | 10°45 | 28° 2 | 11°28 | 5°13 | 0°13 | 28°24 | 8°53 | 12°26 | W25 |
| T 26 | 4 23 30 | 4°21'03 | 23°33 | 13°35 | 14°14 | 0♍23 | 24°21 | 10°41 | 28° 4 | 11°29 | 5°15 | 0°11 | 28°21 | 9° 0 | 12°23 | T 26 |
| F 27 | 4 27 26 | 5°21'21 | 5♐22 | 12°28 | 15°26 | 0°47 | 24°13 | 10°36 | 28° 6 | 11°31 | 5°17 | 0° 7 | 28°18 | 9° 6 | 12°20 | F 27 |
| S 28 | 4 31 23 | 6°21'40 | 17°12 | 11°15 | 16°38 | 1°11 | 24° 6 | 10°31 | 28° 8 | 11°33 | 5°19 | 0° 1 | 28°15 | 9°13 | 12°16 | S 28 |
| S 29 | 4 35 19 | 7°22'02 | 29° 3 | 9°56 | 17°49 | 1°35 | 23°58 | 10°26 | 28°10 | 11°35 | 5°21 | 29♈54 | 28°12 | 9°20 | 12°13 | S 29 |
| M30 | 4 39 16 | 8♐22'25 | 10♑58 | 8♐36 | 19♑ 1 | 1♍58 | 23♉50 | 10♊21 | 28♍12 | 11♑37 | 5♏23 | 29♈46 | 28♈ 9 | 9♐26 | 12♊10 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s33 | 26s59 | 4s 2 | 23s 0 | 2s30 | 23s38 | 1s15 | 16n29 | 1n25 | 18n17 | 1s17 | 20n 2 | 2s 9 | 1n52 | 0n45 | 21s49 | 1n 4 | 2n44 | 16n33 | 11n33 | 11n18 | 24s15 | 17n19 | 5s 2 |
| M 2 | 14 52 | 27 57 | 4 39 | 23 19 | 2 35 | 23 49 | 1 18 | 16 21 | 1 26 | 18 15 | 1 17 | 20 2 | 2 9 | 1 51 | 0 45 | 21 49 | 1 4 | 2 44 | 16 33 | 11 33 | 11 17 | 24 17 | 17 19 | 5 2 |
| T 3 | 15 10 | 27 37 | 5 4 | 23 37 | 2 39 | 23 59 | 1 21 | 16 13 | 1 28 | 18 13 | 1 17 | 20 1 | 2 10 | 1 50 | 0 45 | 21 49 | 1 4 | 2 43 | 16 33 | 11 32 | 11 16 | 24 19 | 17 18 | 5 2 |
| W 4 | 15 28 | 25 59 | 5 16 | 23 53 | 2 43 | 24 9 | 1 24 | 16 4 | 1 29 | 18 12 | 1 17 | 20 1 | 2 10 | 1 49 | 0 45 | 21 49 | 1 4 | 2 42 | 16 33 | 11 32 | 11 15 | 24 21 | 17 17 | 5 3 |
| T 5 | 15 46 | 23 6 | 5 13 | 24 9 | 2 46 | 24 18 | 1 26 | 15 56 | 1 30 | 18 10 | 1 17 | 20 0 | 2 10 | 1 48 | 0 45 | 21 49 | 1 4 | 2 42 | 16 33 | 11 32 | 11 14 | 24 23 | 17 17 | 5 3 |
| F 6 | 16 4 | 19 4 | 4 56 | 24 23 | 2 50 | 24 26 | 1 29 | 15 48 | 1 32 | 18 8 | 1 17 | 19 59 | 2 10 | 1 47 | 0 45 | 21 49 | 1 4 | 2 41 | 16 33 | 11 32 | 11 13 | 24 25 | 17 16 | 5 3 |
| S 7 | 16 21 | 14 3 | 4 23 | 24 35 | 2 52 | 24 34 | 1 32 | 15 39 | 1 33 | 18 7 | 1 17 | 19 59 | 2 10 | 1 46 | 0 45 | 21 49 | 1 4 | 2 40 | 16 33 | 11 32 | 11 11 | 24 26 | 17 16 | 5 3 |
| S 8 | 16 39 | 8 13 | 3 36 | 24 47 | 2 55 | 24 41 | 1 34 | 15 31 | 1 35 | 18 5 | 1 17 | 19 58 | 2 10 | 1 45 | 0 45 | 21 48 | 1 4 | 2 40 | 16 33 | 11 32 | 11 10 | 24 28 | 17 15 | 5 4 |
| M 9 | 16 55 | 1 48 | 2 34 | 24 57 | 2 56 | 24 47 | 1 37 | 15 23 | 1 36 | 18 3 | 1 17 | 19 58 | 2 10 | 1 44 | 0 45 | 21 48 | 1 4 | 2 39 | 16 34 | 11 33 | 11 9 | 24 30 | 17 15 | 5 4 |
| T 10 | 17 12 | 4n54 | 1 20 | 25 5 | 2 57 | 24 53 | 1 39 | 15 15 | 1 37 | 18 1 | 1 17 | 19 57 | 2 10 | 1 43 | 0 45 | 21 48 | 1 4 | 2 39 | 16 34 | 11 33 | 11 8 | 24 32 | 17 14 | 5 4 |
| W11 | 17 28 | 11 34 | 0n 0 | 25 12 | 2 58 | 24 58 | 1 42 | 15 7 | 1 39 | 17 59 | 1 17 | 19 57 | 2 10 | 1 41 | 0 45 | 21 48 | 1 3 | 2 38 | 16 34 | 11 33 | 11 7 | 24 34 | 17 13 | 5 4 |
| T 12 | 17 44 | 17 41 | 1 22 | 25 18 | 2 57 | 25 2 | 1 44 | 14 59 | 1 40 | 17 58 | 1 17 | 19 56 | 2 10 | 1 40 | 0 45 | 21 48 | 1 3 | 2 37 | 16 34 | 11 33 | 11 6 | 24 35 | 17 13 | 5 5 |
| F 13 | 18 0 | 22 46 | 2 39 | 25 22 | 2 56 | 25 5 | 1 47 | 14 51 | 1 42 | 17 56 | 1 17 | 19 55 | 2 10 | 1 39 | 0 45 | 21 48 | 1 3 | 2 37 | 16 34 | 11 33 | 11 5 | 24 37 | 17 12 | 5 5 |
| S 14 | 18 15 | 26 18 | 3 45 | 25 24 | 2 54 | 25 8 | 1 49 | 14 43 | 1 43 | 17 54 | 1 17 | 19 55 | 2 10 | 1 38 | 0 45 | 21 48 | 1 3 | 2 36 | 16 34 | 11 32 | 11 4 | 24 39 | 17 12 | 5 5 |
| S 15 | 18 31 | 27 53 | 4 34 | 25 25 | 2 51 | 25 10 | 1 51 | 14 35 | 1 45 | 17 52 | 1 17 | 19 54 | 2 10 | 1 38 | 0 46 | 21 48 | 1 3 | 2 36 | 16 35 | 11 31 | 11 2 | 24 41 | 17 11 | 5 5 |
| M16 | 18 45 | 27 27 | 5 4 | 25 24 | 2 48 | 25 11 | 1 53 | 14 27 | 1 46 | 17 50 | 1 17 | 19 54 | 2 10 | 1 37 | 0 46 | 21 48 | 1 3 | 2 35 | 16 35 | 11 29 | 11 1 | 24 43 | 17 11 | 5 5 |
| T 17 | 19 0 | 25 10 | 5 14 | 25 21 | 2 42 | 25 12 | 1 55 | 14 19 | 1 48 | 17 49 | 1 17 | 19 53 | 2 10 | 1 36 | 0 46 | 21 48 | 1 3 | 2 35 | 16 35 | 11 29 | 11 0 | 24 44 | 17 10 | 5 6 |
| W18 | 19 14 | 21 26 | 5 5 | 25 16 | 2 36 | 25 11 | 1 57 | 14 11 | 1 50 | 17 47 | 1 17 | 19 52 | 2 10 | 1 35 | 0 46 | 21 47 | 1 3 | 2 34 | 16 35 | 11 28 | 10 59 | 24 46 | 17 10 | 5 6 |
| T 19 | 19 28 | 16 42 | 4 40 | 25 10 | 2 29 | 25 11 | 1 59 | 14 3 | 1 51 | 17 45 | 1 17 | 19 52 | 2 10 | 1 34 | 0 46 | 21 47 | 1 3 | 2 34 | 16 35 | 11 28 | 10 58 | 24 48 | 17 9 | 5 6 |
| F 20 | 19 41 | 11 19 | 4 0 | 25 0 | 2 20 | 25 9 | 2 1 | 13 56 | 1 53 | 17 43 | 1 17 | 19 51 | 2 10 | 1 33 | 0 46 | 21 47 | 1 3 | 2 33 | 16 35 | 11 28 | 10 57 | 24 50 | 17 8 | 5 6 |
| S 21 | 19 54 | 5 36 | 3 10 | 24 49 | 2 9 | 25 7 | 2 3 | 13 48 | 1 54 | 17 41 | 1 16 | 19 50 | 2 10 | 1 32 | 0 46 | 21 47 | 1 3 | 2 33 | 16 36 | 11 28 | 10 56 | 24 51 | 17 8 | 5 6 |
| S 22 | 20 7 | 0s12 | 2 11 | 24 35 | 1 57 | 25 3 | 2 5 | 13 41 | 1 56 | 17 39 | 1 16 | 19 50 | 2 10 | 1 31 | 0 46 | 21 47 | 1 3 | 2 32 | 16 36 | 11 29 | 10 55 | 24 53 | 17 7 | 5 6 |
| M23 | 20 19 | 5 54 | 1 8 | 24 18 | 1 43 | 25 0 | 2 7 | 13 33 | 1 58 | 17 38 | 1 16 | 19 49 | 2 10 | 1 30 | 0 46 | 21 47 | 1 3 | 2 32 | 16 36 | 11 30 | 10 53 | 24 55 | 17 7 | 5 7 |
| T 24 | 20 31 | 11 18 | 0 2 | 23 59 | 1 28 | 24 55 | 2 8 | 13 26 | 1 59 | 17 36 | 1 16 | 19 48 | 2 10 | 1 30 | 0 46 | 21 47 | 1 3 | 2 31 | 16 36 | 11 30 | 10 52 | 24 57 | 17 6 | 5 7 |
| W25 | 20 43 | 16 15 | 1s 2 | 23 36 | 1 11 | 24 50 | 2 10 | 13 19 | 2 1 | 17 34 | 1 16 | 19 48 | 2 10 | 1 29 | 0 46 | 21 47 | 1 3 | 2 31 | 16 37 | 11 30 | 10 51 | 24 58 | 17 6 | 5 7 |
| T 26 | 20 54 | 20 34 | 2 4 | 23 12 | 0 53 | 24 44 | 2 11 | 13 12 | 2 2 | 17 32 | 1 16 | 19 47 | 2 10 | 1 28 | 0 46 | 21 46 | 1 3 | 2 30 | 16 37 | 11 29 | 10 50 | 25 0 | 17 5 | 5 7 |
| F 27 | 21 5 | 24 2 | 3 0 | 22 44 | 0 34 | 24 38 | 2 13 | 13 5 | 2 4 | 17 30 | 1 16 | 19 47 | 2 10 | 1 27 | 0 46 | 21 46 | 1 3 | 2 30 | 16 37 | 11 27 | 10 49 | 25 2 | 17 5 | 5 7 |
| S 28 | 21 16 | 26 29 | 3 48 | 22 14 | 0 14 | 24 30 | 2 14 | 12 58 | 2 6 | 17 29 | 1 15 | 19 46 | 2 10 | 1 27 | 0 46 | 21 46 | 1 3 | 2 30 | 16 38 | 11 25 | 10 48 | 25 3 | 17 4 | 5 7 |
| S 29 | 21 26 | 27 45 | 4 26 | 21 43 | 0n 7 | 24 22 | 2 15 | 12 51 | 2 8 | 17 27 | 1 15 | 19 45 | 2 10 | 1 26 | 0 46 | 21 46 | 1 3 | 2 29 | 16 38 | 11 23 | 10 47 | 25 5 | 17 4 | 5 7 |
| M30 | 21s35 | 27s44 | 4s53 | 21s11 | 0n27 | 24s14 | 2s16 | 12n44 | 2n 9 | 17n25 | 1s15 | 19n45 | 2s10 | 1n25 | 0n46 | 21s46 | 1n 3 | 2n29 | 16n38 | 11n20 | 10n46 | 25s 7 | 17n 3 | 5s 8 |

Julian Day Number = 2806865.5, Delta T = 51m58s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'29, Lahiri = 37°28'30


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# ASTRODIENST EPHEMERIS for the year 2972
# geocentric

## DECEMBER 2972 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 43 13 | 9♐22'49 | 22♑59 | 7°R16 | 20♑12 | 2♍21 | 23°R43 | 10°R16 | 28♍14 | 11♑39 | 5♏25 | 29°R39 | 28♈ 5 | 9♐33 | 12°R 7 | T 1 |
| W 2 | 4 47 9 | 10°23'15 | 5♒ 8 | 5♐58 | 21°23 | 2°43 | 23♉35 | 10♊12 | 28°15 | 11°41 | 5°27 | 29♈33 | 28° 2 | 9°40 | 12♊ 3 | W 2 |
| T 3 | 4 51 6 | 11°23'42 | 17°28 | 4°46 | 22°35 | 3° 5 | 23°28 | 10° 7 | 28°17 | 11°43 | 5°30 | 29°28 | 27°59 | 9°46 | 12° 0 | T 3 |
| F 4 | 4 55 2 | 12°24'10 | 0♓ 3 | 3°42 | 23°46 | 3°27 | 23°20 | 10° 2 | 28°19 | 11°45 | 5°32 | 29°25 | 27°56 | 9°53 | 11°57 | F 4 |
| S 5 | 4 58 59 | 13°24'40 | 12°56 | 2°47 | 24°57 | 3°48 | 23°13 | 9°57 | 28°20 | 11°47 | 5°34 | 29°D24 | 27°53 | 10° 0 | 11°54 | S 5 |
| S 6 | 5 2 55 | 14°25'10 | 26°11 | 2° 3 | 26° 8 | 4° 9 | 23° 6 | 9°52 | 28°22 | 11°49 | 5°36 | 29°25 | 27°50 | 10° 6 | 11°50 | S 6 |
| M 7 | 5 6 52 | 15°25'42 | 9♈51 | 1°31 | 27°19 | 4°30 | 22°59 | 9°47 | 28°23 | 11°51 | 5°37 | 29°26 | 27°46 | 10°13 | 11°47 | M 7 |
| T 8 | 5 10 49 | 16°26'15 | 23°57 | 1°10 | 28°30 | 4°50 | 22°52 | 9°42 | 28°25 | 11°53 | 5°39 | 29°R27 | 27°43 | 10°20 | 11°44 | T 8 |
| W 9 | 5 14 45 | 17°26'49 | 8♉30 | 1°D 0 | 29°40 | 5°10 | 22°45 | 9°38 | 28°26 | 11°56 | 5°41 | 29°27 | 27°40 | 10°26 | 11°41 | W 9 |
| T 10 | 5 18 42 | 18°27'24 | 23°25 | 1° 2 | 0♒51 | 5°29 | 22°39 | 9°33 | 28°27 | 11°58 | 5°43 | 29°25 | 27°37 | 10°33 | 11°37 | T 10 |
| F 11 | 5 22 38 | 19°28'01 | 8♊36 | 1°14 | 2° 2 | 5°48 | 22°32 | 9°28 | 28°29 | 12° 0 | 5°45 | 29°20 | 27°34 | 10°40 | 11°34 | F 11 |
| S 12 | 5 26 35 | 20°28'39 | 23°55 | 1°36 | 3°12 | 6° 6 | 22°26 | 9°23 | 28°30 | 12° 2 | 5°47 | 29°14 | 27°31 | 10°46 | 11°31 | S 12 |
| S 13 | 5 30 31 | 21°29'18 | 9♋ 9 | 2° 6 | 4°23 | 6°24 | 22°20 | 9°19 | 28°31 | 12° 4 | 5°49 | 29° 6 | 27°27 | 10°53 | 11°28 | S 13 |
| M14 | 5 34 28 | 22°29'59 | 24° 8 | 2°44 | 5°33 | 6°42 | 22°14 | 9°14 | 28°32 | 12° 6 | 5°51 | 28°57 | 27°24 | 11° 0 | 11°25 | M14 |
| T 15 | 5 38 24 | 23°30'41 | 8♌44 | 3°30 | 6°43 | 6°59 | 22° 8 | 9° 9 | 28°33 | 12° 8 | 5°52 | 28°49 | 27°21 | 11° 7 | 11°21 | T 15 |
| W16 | 5 42 21 | 24°31'24 | 22°52 | 4°21 | 7°53 | 7°15 | 22° 2 | 9° 5 | 28°34 | 12°10 | 5°54 | 28°43 | 27°18 | 11°13 | 11°18 | W16 |
| T 17 | 5 46 18 | 25°32'09 | 6♍29 | 5°18 | 9° 3 | 7°31 | 21°57 | 9° 0 | 28°35 | 12°13 | 5°56 | 28°39 | 27°15 | 11°20 | 11°15 | T 17 |
| F 18 | 5 50 14 | 26°32'55 | 19°37 | 6°19 | 10°13 | 7°47 | 21°51 | 8°56 | 28°36 | 12°15 | 5°58 | 28°37 | 27°11 | 11°27 | 11°12 | F 18 |
| S 19 | 5 54 11 | 27°33'43 | 2♎19 | 7°25 | 11°23 | 8° 2 | 21°46 | 8°51 | 28°37 | 12°17 | 5°59 | 28°D37 | 27° 8 | 11°33 | 11° 9 | S 19 |
| S 20 | 5 58 7 | 28°34'32 | 14°41 | 8°34 | 12°33 | 8°16 | 21°41 | 8°47 | 28°38 | 12°19 | 6° 1 | 28°38 | 27° 5 | 11°40 | 11° 6 | S 20 |
| M21 | 6 2 4 | 29°35'22 | 26°48 | 9°46 | 13°42 | 8°30 | 21°36 | 8°42 | 28°39 | 12°21 | 6° 3 | 28°R38 | 27° 2 | 11°47 | 11° 3 | M21 |
| T 22 | 6 6 0 | 0♑36'14 | 8♏43 | 11° 1 | 14°52 | 8°43 | 21°31 | 8°38 | 28°39 | 12°24 | 6° 4 | 28°38 | 26°59 | 11°53 | 11° 0 | T 22 |
| W23 | 6 9 57 | 1°37'07 | 20°33 | 12°18 | 16° 1 | 8°56 | 21°27 | 8°34 | 28°40 | 12°26 | 6° 6 | 28°35 | 26°56 | 12° 0 | 10°57 | W23 |
| T 24 | 6 13 53 | 2°38'01 | 2♐21 | 13°38 | 17°10 | 9° 8 | 21°22 | 8°29 | 28°40 | 12°28 | 6° 7 | 28°30 | 26°52 | 12° 7 | 10°54 | T 24 |
| F 25 | 6 17 50 | 3°38'56 | 14°10 | 14°58 | 18°19 | 9°20 | 21°18 | 8°25 | 28°41 | 12°30 | 6° 9 | 28°22 | 26°49 | 12°13 | 10°51 | F 25 |
| S 26 | 6 21 47 | 4°39'52 | 26° 2 | 16°21 | 19°28 | 9°31 | 21°14 | 8°21 | 28°41 | 12°33 | 6°10 | 28°11 | 26°46 | 12°20 | 10°48 | S 26 |
| S 27 | 6 25 43 | 5°40'50 | 7♑59 | 17°44 | 20°37 | 9°41 | 21°10 | 8°17 | 28°42 | 12°35 | 6°12 | 27°58 | 26°43 | 12°27 | 10°45 | S 27 |
| M28 | 6 29 40 | 6°41'48 | 20° 3 | 19° 9 | 21°46 | 9°51 | 21° 7 | 8°13 | 28°42 | 12°37 | 6°13 | 27°45 | 26°40 | 12°33 | 10°42 | M28 |
| T 29 | 6 33 36 | 7°42'46 | 2♒14 | 20°35 | 22°54 | 10° 0 | 21° 3 | 8° 9 | 28°42 | 12°39 | 6°15 | 27°31 | 26°37 | 12°40 | 10°39 | T 29 |
| W30 | 6 37 33 | 8°43'46 | 14°33 | 22° 1 | 24° 3 | 10° 8 | 21° 0 | 8° 5 | 28°43 | 12°42 | 6°16 | 27°19 | 26°33 | 12°47 | 10°37 | W30 |
| T 31 | 6 41 29 | 9♑44'46 | 27♒ 3 | 23♐29 | 25♒11 | 10♍16 | 20♉57 | 8♊ 2 | 28♍43 | 12♑44 | 6♏17 | 27♈10 | 26♈30 | 12♐53 | 10♊34 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 21s45 | 26s25 | 5s 7 | 20s38 | 0n47 | 24s 4 | 2s17 | 12n37 | 2n11 | 17n24 | 1s15 | 19n44 | 2s10 | 1n24 | 0n46 | 21s46 | 1n 3 | 2n28 | 16n38 | 11n17 | 10n44 | 25s 8 | 17n 3 | 5s 8 | |
| W 2 | 21 53 | 23 52 | 5 8 | 20 6 | 1 6 | 23 54 | 2 18 | 12 31 | 2 13 | 17 22 | 1 15 | 19 43 | 2 10 | 1 24 | 0 46 | 21 46 | 1 3 | 2 28 | 16 39 | 11 15 | 10 43 | 25 10 | 17 2 | 5 8 | |
| T 3 | 22 2 | 20 11 | 4 54 | 19 36 | 1 24 | 23 44 | 2 19 | 12 25 | 2 15 | 17 20 | 1 15 | 19 43 | 2 10 | 1 23 | 0 46 | 21 46 | 1 3 | 2 28 | 16 39 | 11 14 | 10 42 | 25 12 | 17 2 | 5 8 | |
| F 4 | 22 10 | 15 33 | 4 27 | 19 9 | 1 40 | 23 32 | 2 20 | 12 19 | 2 16 | 17 19 | 1 14 | 19 42 | 2 9 | 1 23 | 0 46 | 21 45 | 1 3 | 2 27 | 16 39 | 11 13 | 10 41 | 25 13 | 17 1 | 5 8 | |
| S 5 | 22 17 | 10 8 | 3 45 | 18 45 | 1 54 | 23 20 | 2 21 | 12 12 | 2 18 | 17 17 | 1 14 | 19 42 | 2 9 | 1 22 | 0 46 | 21 45 | 1 3 | 2 27 | 16 40 | 11 12 | 10 40 | 25 15 | 17 1 | 5 8 | |
| S 6 | 22 25 | 4 7 | 2 50 | 18 25 | 2 5 | 23 8 | 2 21 | 12 7 | 2 20 | 17 15 | 1 14 | 19 41 | 2 9 | 1 21 | 0 46 | 21 45 | 1 3 | 2 27 | 16 40 | 11 13 | 10 39 | 25 17 | 17 0 | 5 8 | |
| M 7 | 22 31 | 2n17 | 1 44 | 18 9 | 2 15 | 22 54 | 2 22 | 12 1 | 2 22 | 17 14 | 1 14 | 19 40 | 2 9 | 1 21 | 0 46 | 21 45 | 1 3 | 2 27 | 16 40 | 11 13 | 10 38 | 25 18 | 17 0 | 5 8 | |
| T 8 | 22 38 | 8 47 | 0 30 | 17 57 | 2 23 | 22 41 | 2 22 | 11 55 | 2 24 | 17 12 | 1 14 | 19 40 | 2 9 | 1 20 | 0 46 | 21 45 | 1 3 | 2 26 | 16 41 | 11 13 | 10 37 | 25 20 | 16 59 | 5 8 | |
| W 9 | 22 44 | 15 2 | 0n49 | 17 50 | 2 28 | 22 26 | 2 22 | 11 50 | 2 26 | 17 11 | 1 13 | 19 39 | 2 9 | 1 20 | 0 46 | 21 45 | 1 3 | 2 26 | 16 41 | 11 13 | 10 35 | 25 22 | 16 59 | 5 8 | |
| T 10 | 22 49 | 20 33 | 2 5 | 17 47 | 2 32 | 22 11 | 2 23 | 11 44 | 2 27 | 17 9 | 1 13 | 19 39 | 2 9 | 1 19 | 0 46 | 21 44 | 1 3 | 2 26 | 16 41 | 11 13 | 10 34 | 25 23 | 16 58 | 5 8 | |
| F 11 | 22 54 | 24 50 | 3 15 | 17 47 | 2 34 | 21 55 | 2 23 | 11 39 | 2 29 | 17 8 | 1 13 | 19 38 | 2 9 | 1 19 | 0 47 | 21 44 | 1 3 | 2 26 | 16 42 | 11 11 | 10 33 | 25 25 | 16 58 | 5 8 | |
| S 12 | 22 59 | 27 21 | 4 10 | 17 51 | 2 35 | 21 39 | 2 23 | 11 34 | 2 31 | 17 7 | 1 13 | 19 37 | 2 9 | 1 18 | 0 47 | 21 44 | 1 3 | 2 25 | 16 42 | 11 9 | 10 32 | 25 26 | 16 57 | 5 8 | |
| S 13 | 23 3 | 27 47 | 4 48 | 17 58 | 2 34 | 21 22 | 2 22 | 11 29 | 2 33 | 17 5 | 1 13 | 19 37 | 2 9 | 1 18 | 0 47 | 21 44 | 1 3 | 2 25 | 16 43 | 11 6 | 10 31 | 25 28 | 16 57 | 5 8 | |
| M14 | 23 6 | 26 10 | 5 5 | 18 7 | 2 32 | 21 5 | 2 22 | 11 25 | 2 35 | 17 4 | 1 12 | 19 36 | 2 8 | 1 18 | 0 47 | 21 44 | 1 3 | 2 25 | 16 43 | 11 3 | 10 30 | 25 30 | 16 56 | 5 8 | |
| T 15 | 23 9 | 22 50 | 5 2 | 18 18 | 2 29 | 20 47 | 2 22 | 11 20 | 2 37 | 17 3 | 1 12 | 19 36 | 2 8 | 1 17 | 0 47 | 21 44 | 1 3 | 2 25 | 16 43 | 11 0 | 10 29 | 25 31 | 16 56 | 5 8 | |
| W16 | 23 12 | 18 14 | 4 40 | 18 32 | 2 25 | 20 29 | 2 21 | 11 16 | 2 39 | 17 1 | 1 12 | 19 35 | 2 8 | 1 17 | 0 47 | 21 43 | 1 3 | 2 25 | 16 44 | 10 58 | 10 27 | 25 33 | 16 56 | 5 8 | |
| T 17 | 23 14 | 12 50 | 4 2 | 18 46 | 2 20 | 20 10 | 2 21 | 11 12 | 2 41 | 17 0 | 1 12 | 19 35 | 2 8 | 1 16 | 0 47 | 21 43 | 1 3 | 2 25 | 16 44 | 10 56 | 10 26 | 25 34 | 16 55 | 5 8 | |
| F 18 | 23 16 | 7 3 | 3 13 | 19 2 | 2 15 | 19 50 | 2 20 | 11 8 | 2 43 | 16 59 | 1 11 | 19 34 | 2 8 | 1 16 | 0 47 | 21 43 | 1 3 | 2 25 | 16 45 | 10 56 | 10 25 | 25 36 | 16 55 | 5 8 | |
| S 19 | 23 18 | 1 10 | 2 16 | 19 19 | 2 9 | 19 30 | 2 19 | 11 4 | 2 45 | 16 58 | 1 11 | 19 33 | 2 8 | 1 16 | 0 47 | 21 43 | 1 2 | 2 24 | 16 45 | 10 56 | 10 24 | 25 37 | 16 54 | 5 8 | |
| S 20 | 23 18 | 4s37 | 1 14 | 19 36 | 2 3 | 19 10 | 2 18 | 11 1 | 2 47 | 16 57 | 1 11 | 19 33 | 2 8 | 1 16 | 0 47 | 21 43 | 1 2 | 2 24 | 16 46 | 10 56 | 10 23 | 25 39 | 16 54 | 5 8 | |
| M21 | 23 19 | 10 7 | 0 10 | 19 53 | 1 56 | 18 49 | 2 17 | 10 58 | 2 49 | 16 56 | 1 11 | 19 32 | 2 7 | 1 15 | 0 47 | 21 42 | 1 2 | 2 24 | 16 46 | 10 56 | 10 22 | 25 41 | 16 54 | 5 8 | |
| T 22 | 23 19 | 15 11 | 0s54 | 20 10 | 1 49 | 18 27 | 2 16 | 10 55 | 2 52 | 16 55 | 1 10 | 19 32 | 2 7 | 1 15 | 0 47 | 21 42 | 1 2 | 2 24 | 16 47 | 10 56 | 10 21 | 25 42 | 16 53 | 5 8 | |
| W23 | 23 18 | 19 38 | 1 54 | 20 28 | 1 42 | 18 6 | 2 15 | 10 52 | 2 54 | 16 54 | 1 10 | 19 31 | 2 7 | 1 15 | 0 47 | 21 42 | 1 2 | 2 24 | 16 47 | 10 55 | 10 19 | 25 44 | 16 53 | 5 8 | |
| T 24 | 23 17 | 23 17 | 2 49 | 20 45 | 1 35 | 17 43 | 2 13 | 10 49 | 2 56 | 16 53 | 1 10 | 19 31 | 2 7 | 1 15 | 0 47 | 21 42 | 1 2 | 2 24 | 16 47 | 10 53 | 10 18 | 25 45 | 16 52 | 5 8 | |
| F 25 | 23 16 | 25 59 | 3 37 | 21 2 | 1 27 | 17 21 | 2 12 | 10 47 | 2 58 | 16 52 | 1 10 | 19 30 | 2 7 | 1 15 | 0 47 | 21 42 | 1 2 | 2 24 | 16 48 | 10 50 | 10 17 | 25 47 | 16 52 | 5 8 | |
| S 26 | 23 14 | 27 31 | 4 16 | 21 18 | 1 20 | 16 58 | 2 10 | 10 45 | 3 0 | 16 52 | 1 9 | 19 30 | 2 7 | 1 14 | 0 47 | 21 42 | 1 2 | 2 24 | 16 48 | 10 46 | 10 16 | 25 48 | 16 52 | 5 8 | |
| S 27 | 23 12 | 27 48 | 4 43 | 21 34 | 1 12 | 16 34 | 2 8 | 10 43 | 3 2 | 16 51 | 1 9 | 19 30 | 2 6 | 1 14 | 0 47 | 21 41 | 1 2 | 2 24 | 16 49 | 10 42 | 10 15 | 25 50 | 16 51 | 5 8 | |
| M28 | 23 9 | 26 45 | 4 59 | 21 49 | 1 4 | 16 10 | 2 6 | 10 41 | 3 4 | 16 50 | 1 9 | 19 29 | 2 6 | 1 14 | 0 47 | 21 41 | 1 2 | 2 24 | 16 49 | 10 37 | 10 14 | 25 51 | 16 51 | 5 8 | |
| T 29 | 23 6 | 24 26 | 5 0 | 22 3 | 0 56 | 15 46 | 2 4 | 10 40 | 3 7 | 16 50 | 1 8 | 19 29 | 2 6 | 1 14 | 0 47 | 21 41 | 1 2 | 2 24 | 16 50 | 10 32 | 10 13 | 25 53 | 16 51 | 5 8 | |
| W30 | 23 2 | 20 58 | 4 48 | 22 16 | 0 48 | 15 21 | 2 2 | 10 39 | 3 9 | 16 49 | 1 8 | 19 28 | 2 6 | 1 14 | 0 47 | 21 41 | 1 2 | 2 24 | 16 50 | 10 28 | 10 12 | 25 54 | 16 51 | 5 8 | |
| T 31 | 22s58 | 16s32 | 4s22 | 22s29 | 0n41 | 14s56 | 1s59 | 10n38 | 3n11 | 16n49 | 1s 8 | 19n28 | 2s 6 | 1n14 | 0n47 | 21s41 | 1n 2 | 2n24 | 16n51 | 10n25 | 10n10 | 25s56 | 16n50 | 5s 8 | |

Julian Day Number = 2806895.5, Delta T = 51m58s
Ecliptic obliquity = 23°18'55, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'34, Lahiri = 37°28'34


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# ASTRODIENST EPHEMERIS for the year 2973
# geocentric

## JANUARY 2973 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 6 45 26 | 10♑45'46 | 9♓43 | 24♐57 | 26♒19 | 10♏23 | 20°R54 | 7°R58 | 28♏43 | 12♑46 | 6♏19 | 27°R 3 | 26♈27 | 13♐ 0 | 10°R31 | F 1 |
| S 2 | 6 49 23 | 11°46'47 | 22°38 | 26°25 | 27°27 | 10°29 | 20♉52 | 7♊54 | 28°R43 | 12°48 | 6°20 | 26♈59 | 26°24 | 13° 7 | 10♊29 | S 2 |
| S 3 | 6 53 19 | 12°47'48 | 5♈49 | 27°54 | 28°34 | 10°35 | 20°49 | 7°51 | 28°43 | 12°51 | 6°21 | 26°58 | 26°21 | 13°14 | 10°26 | S 3 |
| M 4 | 6 57 16 | 13°48'49 | 19°19 | 29°23 | 29°42 | 10°40 | 20°47 | 7°47 | 28°43 | 12°53 | 6°22 | 26°58 | 26°17 | 13°20 | 10°23 | M 4 |
| T 5 | 7 1 12 | 14°49'51 | 3♉11 | 0♑53 | 0♓49 | 10°44 | 20°45 | 7°44 | 28°43 | 12°55 | 6°24 | 26°58 | 26°14 | 13°27 | 10°21 | T 5 |
| W 6 | 7 5 9 | 15°50'53 | 17°26 | 2°23 | 1°56 | 10°48 | 20°43 | 7°41 | 28°43 | 12°58 | 6°25 | 26°57 | 26°11 | 13°34 | 10°18 | W 6 |
| T 7 | 7 9 5 | 16°51'55 | 2♊ 2 | 3°54 | 3° 3 | 10°50 | 20°42 | 7°37 | 28°42 | 13° 0 | 6°26 | 26°53 | 26° 8 | 13°40 | 10°16 | T 7 |
| F 8 | 7 13 2 | 17°52'57 | 16°56 | 5°25 | 4° 9 | 10°52 | 20°41 | 7°34 | 28°42 | 13° 2 | 6°27 | 26°46 | 26° 5 | 13°47 | 10°13 | F 8 |
| S 9 | 7 16 58 | 18°54'00 | 2♋ 0 | 6°56 | 5°16 | 10°54 | 20°39 | 7°31 | 28°42 | 13° 4 | 6°28 | 26°37 | 26° 2 | 13°54 | 10°11 | S 9 |
| S 10 | 7 20 55 | 19°55'03 | 17° 7 | 8°27 | 6°22 | 10°R54 | 20°38 | 7°28 | 28°41 | 13° 7 | 6°29 | 26°26 | 25°58 | 14° 0 | 10° 9 | S 10 |
| M11 | 7 24 52 | 20°56'07 | 2♌ 4 | 9°59 | 7°28 | 10°54 | 20°38 | 7°25 | 28°41 | 13° 9 | 6°30 | 26°14 | 25°55 | 14° 7 | 10° 7 | M11 |
| T 12 | 7 28 48 | 21°57'10 | 16°42 | 11°31 | 8°33 | 10°53 | 20°37 | 7°23 | 28°40 | 13°11 | 6°31 | 26° 3 | 25°52 | 14°14 | 10° 4 | T 12 |
| W13 | 7 32 45 | 22°58'14 | 0♍56 | 13° 3 | 9°39 | 10°51 | 20°37 | 7°20 | 28°40 | 13°13 | 6°32 | 25°53 | 25°49 | 14°20 | 10° 2 | W13 |
| T 14 | 7 36 41 | 23°59'19 | 14°40 | 14°36 | 10°44 | 10°48 | 20°D37 | 7°17 | 28°39 | 13°16 | 6°33 | 25°46 | 25°46 | 14°27 | 10° 0 | T 14 |
| F 15 | 7 40 38 | 25° 0'24 | 27°56 | 16° 9 | 11°49 | 10°45 | 20°37 | 7°15 | 28°39 | 13°18 | 6°34 | 25°42 | 25°43 | 14°34 | 9°58 | F 15 |
| S 16 | 7 44 34 | 26° 1'29 | 10♎44 | 17°42 | 12°53 | 10°41 | 20°37 | 7°13 | 28°38 | 13°20 | 6°34 | 25°40 | 25°39 | 14°41 | 9°56 | S 16 |
| S 17 | 7 48 31 | 27° 2'35 | 23° 9 | 19°16 | 13°58 | 10°36 | 20°38 | 7°10 | 28°37 | 13°22 | 6°35 | 25°39 | 25°36 | 14°47 | 9°54 | S 17 |
| M18 | 7 52 27 | 28° 3'41 | 5♏17 | 20°50 | 15° 1 | 10°30 | 20°38 | 7° 8 | 28°36 | 13°24 | 6°36 | 25°39 | 25°33 | 14°54 | 9°52 | M18 |
| T 19 | 7 56 24 | 29° 4'47 | 17°13 | 22°24 | 16° 5 | 10°23 | 20°39 | 7° 6 | 28°35 | 13°27 | 6°37 | 25°38 | 25°30 | 15° 1 | 9°50 | T 19 |
| W20 | 8 0 21 | 0♒ 5'54 | 29° 3 | 23°59 | 17° 8 | 10°16 | 20°40 | 7° 4 | 28°34 | 13°29 | 6°37 | 25°35 | 25°27 | 15° 7 | 9°49 | W20 |
| T 21 | 8 4 17 | 1° 7'01 | 10♐51 | 25°34 | 18°11 | 10° 7 | 20°42 | 7° 2 | 28°33 | 13°31 | 6°38 | 25°30 | 25°23 | 15°14 | 9°47 | T 21 |
| F 22 | 8 8 14 | 2° 8'08 | 22°41 | 27° 9 | 19°14 | 9°58 | 20°43 | 7° 0 | 28°32 | 13°33 | 6°39 | 25°21 | 25°20 | 15°21 | 9°45 | F 22 |
| S 23 | 8 12 10 | 3° 9'15 | 4♑37 | 28°45 | 20°16 | 9°48 | 20°45 | 6°59 | 28°31 | 13°35 | 6°39 | 25°10 | 25°17 | 15°27 | 9°44 | S 23 |
| S 24 | 8 16 7 | 4°10'22 | 16°42 | 0♒21 | 21°18 | 9°37 | 20°47 | 6°57 | 28°30 | 13°38 | 6°40 | 24°56 | 25°14 | 15°34 | 9°42 | S 24 |
| M25 | 8 20 3 | 5°11'30 | 28°57 | 1°58 | 22°20 | 9°25 | 20°49 | 6°56 | 28°29 | 13°40 | 6°40 | 24°42 | 25°11 | 15°41 | 9°41 | M25 |
| T 26 | 8 24 0 | 6°12'36 | 11♒22 | 3°35 | 23°21 | 9°13 | 20°51 | 6°54 | 28°28 | 13°42 | 6°41 | 24°28 | 25° 8 | 15°47 | 9°39 | T 26 |
| W27 | 8 27 56 | 7°13'43 | 23°58 | 5°12 | 24°22 | 9° 0 | 20°54 | 6°53 | 28°26 | 13°44 | 6°41 | 24°15 | 25° 4 | 15°54 | 9°38 | W27 |
| T 28 | 8 31 53 | 8°14'49 | 6♓44 | 6°50 | 25°22 | 8°46 | 20°57 | 6°52 | 28°25 | 13°46 | 6°41 | 24° 4 | 25° 1 | 16° 1 | 9°37 | T 28 |
| F 29 | 8 35 50 | 9°15'55 | 19°41 | 8°29 | 26°22 | 8°31 | 21° 0 | 6°51 | 28°24 | 13°48 | 6°42 | 23°57 | 24°58 | 16° 8 | 9°35 | F 29 |
| S 30 | 8 39 46 | 10°17'00 | 2♈49 | 10° 8 | 27°21 | 8°15 | 21° 3 | 6°50 | 28°22 | 13°50 | 6°42 | 23°53 | 24°55 | 16°14 | 9°34 | S 30 |
| S 31 | 8 43 43 | 11♒18'05 | 16♈ 9 | 11♒47 | 28♓20 | 7♏59 | 21♉ 6 | 6♊49 | 28♏21 | 13♑52 | 6♏42 | 23♈51 | 24♈52 | 16♐21 | 9♊33 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22s53 | 11s19 | 3s42 | 22s40 | 0n33 | 14s31 | 1s57 | 10n37 | 3n13 | 16n48 | 1s 8 | 19n28 | 2s 5 | 1n14 | 0n47 | 21s40 | 1n 2 | 2n24 | 16n51 | 10n22 | 10n 9 | 25s57 | 16n50 | 5s 8 | F 1 |
| S 2 | 22 48 | 5 32 | 2 51 | 22 51 | 0 25 | 14 5 | 1 54 | 10 37 | 3 16 | 16 48 | 1 7 | 19 27 | 2 5 | 1 14 | 0 47 | 21 40 | 1 2 | 2 24 | 16 52 | 10 21 | 10 8 | 25 59 | 16 50 | 5 8 | S 2 |
| S 3 | 22 42 | 0n37 | 1 50 | 23 0 | 0 18 | 13 39 | 1 52 | 10 37 | 3 18 | 16 47 | 1 7 | 19 27 | 2 5 | 1 14 | 0 47 | 21 40 | 1 2 | 2 25 | 16 52 | 10 20 | 10 7 | 26 0 | 16 49 | 5 7 | S 3 |
| M 4 | 22 36 | 6 54 | 0 40 | 23 9 | 0 10 | 13 13 | 1 49 | 10 37 | 3 20 | 16 47 | 1 7 | 19 26 | 2 5 | 1 14 | 0 48 | 21 40 | 1 2 | 2 25 | 16 53 | 10 20 | 10 6 | 26 1 | 16 49 | 5 7 | M 4 |
| T 5 | 22 30 | 13 2 | 0n33 | 23 16 | 0 3 | 12 47 | 1 46 | 10 38 | 3 22 | 16 47 | 1 7 | 19 26 | 2 5 | 1 14 | 0 48 | 21 39 | 1 2 | 2 25 | 16 53 | 10 20 | 10 5 | 26 3 | 16 49 | 5 7 | T 5 |
| W 6 | 22 23 | 18 38 | 1 46 | 23 22 | 0s 5 | 12 20 | 1 43 | 10 38 | 3 25 | 16 47 | 1 6 | 19 26 | 2 4 | 1 14 | 0 48 | 21 39 | 1 2 | 2 25 | 16 54 | 10 20 | 10 3 | 26 4 | 16 49 | 5 7 | W 6 |
| T 7 | 22 15 | 23 18 | 2 54 | 23 27 | 0 12 | 11 53 | 1 39 | 10 39 | 3 27 | 16 46 | 1 6 | 19 26 | 2 4 | 1 15 | 0 48 | 21 39 | 1 2 | 2 25 | 16 54 | 10 19 | 10 2 | 26 6 | 16 49 | 5 7 | T 7 |
| F 8 | 22 8 | 26 31 | 3 51 | 23 31 | 0 19 | 11 25 | 1 36 | 10 41 | 3 29 | 16 46 | 1 6 | 19 25 | 2 4 | 1 15 | 0 48 | 21 39 | 1 2 | 2 25 | 16 55 | 10 16 | 10 1 | 26 7 | 16 48 | 5 7 | F 8 |
| S 9 | 21 59 | 27 51 | 4 33 | 23 34 | 0 26 | 10 58 | 1 32 | 10 42 | 3 32 | 16 46 | 1 5 | 19 25 | 2 4 | 1 15 | 0 48 | 21 39 | 1 2 | 2 26 | 16 56 | 10 13 | 10 0 | 26 9 | 16 48 | 5 7 | S 9 |
| S 10 | 21 51 | 27 7 | 4 56 | 23 35 | 0 33 | 10 30 | 1 29 | 10 44 | 3 34 | 16 46 | 1 5 | 19 25 | 2 3 | 1 15 | 0 48 | 21 38 | 1 2 | 2 26 | 16 56 | 10 9 | 9 59 | 26 10 | 16 48 | 5 7 | S 10 |
| M11 | 21 42 | 24 27 | 4 59 | 23 36 | 0 39 | 10 2 | 1 25 | 10 47 | 3 36 | 16 46 | 1 5 | 19 25 | 2 3 | 1 15 | 0 48 | 21 38 | 1 2 | 2 26 | 16 57 | 10 5 | 9 58 | 26 11 | 16 48 | 5 6 | M11 |
| T 12 | 21 32 | 20 13 | 4 41 | 23 35 | 0 46 | 9 34 | 1 21 | 10 49 | 3 38 | 16 47 | 1 4 | 19 24 | 2 3 | 1 15 | 0 48 | 21 38 | 1 2 | 2 26 | 16 57 | 10 0 | 9 57 | 26 13 | 16 48 | 5 6 | T 12 |
| W13 | 21 22 | 14 56 | 4 6 | 23 32 | 0 52 | 9 6 | 1 17 | 10 52 | 3 41 | 16 47 | 1 4 | 19 24 | 2 3 | 1 16 | 0 48 | 21 38 | 1 2 | 2 26 | 16 58 | 9 57 | 9 55 | 26 14 | 16 47 | 5 6 | W13 |
| T 14 | 21 12 | 9 3 | 3 18 | 23 29 | 0 58 | 8 37 | 1 13 | 10 55 | 3 43 | 16 47 | 1 4 | 19 24 | 2 3 | 1 16 | 0 48 | 21 38 | 1 2 | 2 27 | 16 58 | 9 54 | 9 54 | 26 15 | 16 47 | 5 6 | T 14 |
| F 15 | 21 1 | 2 59 | 2 21 | 23 24 | 1 4 | 8 9 | 1 8 | 10 58 | 3 45 | 16 47 | 1 4 | 19 24 | 2 2 | 1 16 | 0 48 | 21 37 | 1 2 | 2 27 | 16 59 | 9 53 | 9 53 | 26 17 | 16 47 | 5 6 | F 15 |
| S 16 | 20 50 | 3s 2 | 1 18 | 23 18 | 1 10 | 7 40 | 1 4 | 11 2 | 3 48 | 16 48 | 1 3 | 19 24 | 2 2 | 1 17 | 0 48 | 21 37 | 1 2 | 2 27 | 16 59 | 9 52 | 9 52 | 26 18 | 16 47 | 5 6 | S 16 |
| S 17 | 20 38 | 8 45 | 0 13 | 23 11 | 1 15 | 7 11 | 0 59 | 11 6 | 3 50 | 16 48 | 1 3 | 19 24 | 2 2 | 1 17 | 0 48 | 21 37 | 1 2 | 2 28 | 17 0 | 9 52 | 9 51 | 26 20 | 16 47 | 5 5 | S 17 |
| M18 | 20 27 | 14 1 | 0s51 | 23 2 | 1 20 | 6 42 | 0 54 | 11 10 | 3 52 | 16 49 | 1 3 | 19 23 | 2 2 | 1 17 | 0 48 | 21 37 | 1 2 | 2 28 | 17 1 | 9 52 | 9 50 | 26 21 | 16 47 | 5 5 | M18 |
| T 19 | 20 14 | 18 40 | 1 51 | 22 52 | 1 25 | 6 13 | 0 49 | 11 15 | 3 54 | 16 49 | 1 2 | 19 23 | 2 1 | 1 18 | 0 48 | 21 36 | 1 2 | 2 28 | 17 1 | 9 52 | 9 49 | 26 22 | 16 47 | 5 5 | T 19 |
| W20 | 20 1 | 22 33 | 2 47 | 22 41 | 1 30 | 5 44 | 0 44 | 11 20 | 3 56 | 16 50 | 1 2 | 19 23 | 2 1 | 1 18 | 0 48 | 21 36 | 1 2 | 2 28 | 17 2 | 9 51 | 9 47 | 26 24 | 16 47 | 5 5 | W20 |
| T 21 | 19 48 | 25 30 | 3 34 | 22 28 | 1 35 | 5 15 | 0 39 | 11 25 | 3 59 | 16 50 | 1 2 | 19 23 | 2 1 | 1 19 | 0 48 | 21 36 | 1 2 | 2 29 | 17 2 | 9 49 | 9 46 | 26 25 | 16 47 | 5 5 | T 21 |
| F 22 | 19 35 | 27 20 | 4 13 | 22 14 | 1 39 | 4 45 | 0 34 | 11 30 | 4 1 | 16 51 | 1 2 | 19 23 | 2 1 | 1 19 | 0 48 | 21 36 | 1 2 | 2 29 | 17 3 | 9 45 | 9 45 | 26 26 | 16 47 | 5 4 | F 22 |
| S 23 | 19 21 | 27 55 | 4 41 | 21 59 | 1 43 | 4 16 | 0 28 | 11 36 | 4 3 | 16 52 | 1 1 | 19 23 | 2 0 | 1 19 | 0 48 | 21 36 | 1 2 | 2 30 | 17 3 | 9 41 | 9 44 | 26 28 | 16 47 | 5 4 | S 23 |
| S 24 | 19 7 | 27 11 | 4 57 | 21 43 | 1 47 | 3 47 | 0 23 | 11 42 | 4 5 | 16 53 | 1 1 | 19 23 | 2 0 | 1 20 | 0 48 | 21 35 | 1 2 | 2 30 | 17 4 | 9 36 | 9 43 | 26 29 | 16 47 | 5 4 | S 24 |
| M25 | 18 52 | 25 8 | 4 59 | 21 25 | 1 50 | 3 17 | 0 17 | 11 48 | 4 7 | 16 53 | 1 1 | 19 23 | 2 0 | 1 20 | 0 48 | 21 35 | 1 2 | 2 30 | 17 5 | 9 31 | 9 42 | 26 30 | 16 47 | 5 4 | M25 |
| T 26 | 18 37 | 21 53 | 4 47 | 21 5 | 1 53 | 2 48 | 0 11 | 11 55 | 4 9 | 16 54 | 1 0 | 19 23 | 1 59 | 1 21 | 0 48 | 21 35 | 1 2 | 2 31 | 17 5 | 9 26 | 9 41 | 26 31 | 16 47 | 5 4 | T 26 |
| W27 | 18 22 | 17 34 | 4 21 | 20 45 | 1 56 | 2 18 | 0 5 | 12 2 | 4 11 | 16 55 | 1 0 | 19 23 | 1 59 | 1 22 | 0 48 | 21 35 | 1 2 | 2 31 | 17 6 | 9 21 | 9 39 | 26 33 | 16 47 | 5 3 | W27 |
| T 28 | 18 7 | 12 26 | 3 42 | 20 23 | 1 59 | 1 49 | 0n 1 | 12 9 | 4 13 | 16 56 | 1 0 | 19 23 | 1 59 | 1 22 | 0 48 | 21 34 | 1 2 | 2 32 | 17 6 | 9 17 | 9 38 | 26 34 | 16 47 | 5 3 | T 28 |
| F 29 | 17 51 | 6 40 | 2 50 | 20 0 | 2 1 | 1 19 | 0 8 | 12 16 | 4 14 | 16 57 | 1 0 | 19 23 | 1 59 | 1 23 | 0 49 | 21 34 | 1 2 | 2 32 | 17 7 | 9 15 | 9 37 | 26 35 | 16 47 | 5 3 | F 29 |
| S 30 | 17 34 | 0 33 | 1 49 | 19 35 | 2 3 | 0 50 | 0 14 | 12 23 | 4 16 | 16 58 | 0 59 | 19 24 | 1 58 | 1 23 | 0 49 | 21 34 | 1 2 | 2 33 | 17 7 | 9 13 | 9 36 | 26 36 | 16 47 | 5 3 | S 30 |
| S 31 | 17s18 | 5n42 | 0s41 | 19s 9 | 2s 4 | 0s21 | 0n21 | 12n31 | 4n18 | 16n59 | 0s59 | 19n24 | 1s58 | 1n24 | 0n49 | 21s34 | 1n 2 | 2n33 | 17n 8 | 9n12 | 9n35 | 26s38 | 16n47 | 5s 3 | S 31 |

Julian Day Number = 2806926.5, Delta T = 51m59s
Ecliptic obliquity = 23°18'55, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'38, Lahiri = 37°28'38


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# ASTRODIENST EPHEMERIS for the year 2973
# geocentric

## FEBRUARY 2973 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 8 47 39 | 12♒19'09 | 29♈42 | 13♒27 | 29♓18 | 7°R42 | 21♉10 | 6°R49 | 28°R19 | 13♑54 | 6♏43 | 23°D51 | 24♈49 | 16♐28 | 9°R32 | M 1 |
| T 2 | 8 51 36 | 13°20'12 | 13♉29 | 15° 8 | 0♈16 | 7♍25 | 21°13 | 6♊48 | 28♍18 | 13°56 | 6°43 | 23°R51 | 24°45 | 16°34 | 9♊31 | T 2 |
| W 3 | 8 55 32 | 14°21'14 | 27°31 | 16°49 | 1°14 | 7° 6 | 21°17 | 6°48 | 28°16 | 13°58 | 6°43 | 23♈50 | 24°42 | 16°41 | 9°30 | W 3 |
| T 4 | 8 59 29 | 15°22'16 | 11♊48 | 18°30 | 2°11 | 6°48 | 21°22 | 6°47 | 28°14 | 14° 0 | 6°43 | 23°48 | 24°39 | 16°48 | 9°29 | T 4 |
| F 5 | 9 3 25 | 16°23'17 | 26°19 | 20°13 | 3° 7 | 6°28 | 21°26 | 6°47 | 28°13 | 14° 2 | 6°43 | 23°42 | 24°36 | 16°54 | 9°28 | F 5 |
| S 6 | 9 7 22 | 17°24'17 | 10♋58 | 21°55 | 4° 2 | 6° 8 | 21°30 | 6°D47 | 28°11 | 14° 4 | 6°43 | 23°35 | 24°33 | 17° 1 | 9°28 | S 6 |
| S 7 | 9 11 19 | 18°25'16 | 25°39 | 23°38 | 4°57 | 5°47 | 21°35 | 6°47 | 28° 9 | 14° 6 | 6°R43 | 23°25 | 24°29 | 17° 8 | 9°27 | S 7 |
| M 8 | 9 15 15 | 19°26'14 | 10♌16 | 25°21 | 5°52 | 5°26 | 21°40 | 6°47 | 28° 7 | 14° 8 | 6°43 | 23°14 | 24°26 | 17°14 | 9°27 | M 8 |
| T 9 | 9 19 12 | 20°27'12 | 24°39 | 27° 5 | 6°45 | 5° 5 | 21°45 | 6°48 | 28° 5 | 14°10 | 6°43 | 23° 4 | 24°23 | 17°21 | 9°26 | T 9 |
| W10 | 9 23 8 | 21°28'08 | 8♍44 | 28°49 | 7°38 | 4°43 | 21°50 | 6°48 | 28° 3 | 14°12 | 6°43 | 22°55 | 24°20 | 17°28 | 9°26 | W10 |
| T 11 | 9 27 5 | 22°29'04 | 22°25 | 0♓34 | 8°30 | 4°20 | 21°56 | 6°48 | 28° 1 | 14°14 | 6°43 | 22°49 | 24°17 | 17°35 | 9°25 | T 11 |
| F 12 | 9 31 1 | 23°30'00 | 5♎41 | 2°19 | 9°22 | 3°58 | 22° 1 | 6°49 | 27°59 | 14°16 | 6°43 | 22°45 | 24°14 | 17°41 | 9°25 | F 12 |
| S 13 | 9 34 58 | 24°30'54 | 18°33 | 4° 4 | 10°13 | 3°35 | 22° 7 | 6°50 | 27°57 | 14°18 | 6°43 | 22°D43 | 24°10 | 17°48 | 9°25 | S 13 |
| S 14 | 9 38 54 | 25°31'48 | 1♏ 2 | 5°48 | 11° 3 | 3°11 | 22°13 | 6°50 | 27°55 | 14°20 | 6°43 | 22°44 | 24° 7 | 17°55 | 9°25 | S 14 |
| M15 | 9 42 51 | 26°32'42 | 13°14 | 7°33 | 11°52 | 2°48 | 22°19 | 6°51 | 27°53 | 14°21 | 6°42 | 22°45 | 24° 4 | 18° 1 | 9°24 | M15 |
| T 16 | 9 46 48 | 27°33'34 | 25°13 | 9°17 | 12°40 | 2°24 | 22°25 | 6°52 | 27°51 | 14°23 | 6°42 | 22°R45 | 24° 1 | 18° 8 | 9°D24 | T 16 |
| W17 | 9 50 44 | 28°34'26 | 7♐ 5 | 11° 1 | 13°27 | 2° 0 | 22°32 | 6°53 | 27°49 | 14°25 | 6°42 | 22°45 | 23°58 | 18°15 | 9°24 | W17 |
| T 18 | 9 54 41 | 29°35'18 | 18°55 | 12°44 | 14°13 | 1°36 | 22°38 | 6°55 | 27°47 | 14°27 | 6°41 | 22°43 | 23°55 | 18°21 | 9°25 | T 18 |
| F 19 | 9 58 37 | 0♓36'09 | 0♑48 | 14°26 | 14°59 | 1°12 | 22°45 | 6°56 | 27°45 | 14°28 | 6°41 | 22°38 | 23°51 | 18°28 | 9°25 | F 19 |
| S 20 | 10 2 34 | 1°36'58 | 12°47 | 16° 7 | 15°43 | 0°48 | 22°52 | 6°57 | 27°42 | 14°30 | 6°40 | 22°31 | 23°48 | 18°35 | 9°25 | S 20 |
| S 21 | 10 6 30 | 2°37'47 | 24°58 | 17°46 | 16°27 | 0°24 | 22°59 | 6°59 | 27°40 | 14°32 | 6°40 | 22°23 | 23°45 | 18°41 | 9°25 | S 21 |
| M22 | 10 10 27 | 3°38'35 | 7♒22 | 19°22 | 17° 9 | 0° 0 | 23° 6 | 7° 1 | 27°38 | 14°33 | 6°40 | 22°14 | 23°42 | 18°48 | 9°26 | M22 |
| T 23 | 10 14 24 | 4°39'22 | 20° 0 | 20°56 | 17°50 | 29♌36 | 23°14 | 7° 2 | 27°35 | 14°35 | 6°39 | 22° 4 | 23°39 | 18°55 | 9°26 | T 23 |
| W24 | 10 18 20 | 5°40'08 | 2♓53 | 22°27 | 18°30 | 29°13 | 23°21 | 7° 4 | 27°33 | 14°37 | 6°38 | 21°56 | 23°35 | 19° 2 | 9°27 | W24 |
| T 25 | 10 22 17 | 6°40'52 | 16° 0 | 23°54 | 19° 8 | 28°49 | 23°29 | 7° 6 | 27°31 | 14°38 | 6°38 | 21°49 | 23°32 | 19° 8 | 9°27 | T 25 |
| F 26 | 10 26 13 | 7°41'35 | 29°20 | 25°17 | 19°46 | 28°26 | 23°37 | 7° 8 | 27°28 | 14°40 | 6°37 | 21°45 | 23°29 | 19°15 | 9°28 | F 26 |
| S 27 | 10 30 10 | 8°42'17 | 12♈52 | 26°34 | 20°22 | 28° 4 | 23°45 | 7°11 | 27°26 | 14°41 | 6°37 | 21°43 | 23°26 | 19°22 | 9°29 | S 27 |
| S 28 | 10 34 6 | 9♓42'57 | 26♈33 | 27♓45 | 20♈57 | 27♌41 | 23♉53 | 7♊13 | 27♍23 | 14♑43 | 6♏36 | 21°D42 | 23♈23 | 19♐28 | 9♊29 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 17s 1 | 11n47 | 0n31 | 18s42 | 2s 6 | 0n 9 | 0n27 | 12n39 | 4n19 | 17n 1 | 0s59 | 19n24 | 1s58 | 1n25 | 0n49 | 21s34 | 1n 2 | 2n33 | 17n 9 | 9n12 | 9n34 | 26s39 | 16n47 | 5s 2 | M 1 |
| T 2 | 16 44 | 17 26 | 1 42 | 18 14 | 2 6 | 0 38 | 0 34 | 12 47 | 4 21 | 17 2 | 0 58 | 19 24 | 1 58 | 1 25 | 0 49 | 21 33 | 1 2 | 2 34 | 17 9 | 9 13 | 9 32 | 26 40 | 16 47 | 5 2 | T 2 |
| W 3 | 16 26 | 22 14 | 2 49 | 17 44 | 2 7 | 1 7 | 0 41 | 12 55 | 4 22 | 17 3 | 0 58 | 19 24 | 1 57 | 1 26 | 0 49 | 21 33 | 1 2 | 2 34 | 17 10 | 9 12 | 9 31 | 26 41 | 16 47 | 5 2 | W 3 |
| T 4 | 16 9 | 25 49 | 3 46 | 17 13 | 2 7 | 1 36 | 0 49 | 13 3 | 4 24 | 17 5 | 0 58 | 19 24 | 1 57 | 1 27 | 0 49 | 21 33 | 1 2 | 2 35 | 17 10 | 9 11 | 9 30 | 26 43 | 16 47 | 5 2 | T 4 |
| F 5 | 15 51 | 27 45 | 4 29 | 16 40 | 2 6 | 2 5 | 0 56 | 13 12 | 4 25 | 17 6 | 0 58 | 19 25 | 1 57 | 1 27 | 0 49 | 21 33 | 1 2 | 2 35 | 17 11 | 9 9 | 9 29 | 26 44 | 16 47 | 5 1 | F 5 |
| S 6 | 15 32 | 27 46 | 4 55 | 16 6 | 2 5 | 2 34 | 1 3 | 13 20 | 4 26 | 17 7 | 0 57 | 19 25 | 1 57 | 1 28 | 0 49 | 21 33 | 1 2 | 2 36 | 17 12 | 9 7 | 9 28 | 26 45 | 16 47 | 5 1 | S 6 |
| S 7 | 15 14 | 25 51 | 5 2 | 15 31 | 2 4 | 3 3 | 1 11 | 13 29 | 4 28 | 17 9 | 0 57 | 19 25 | 1 56 | 1 29 | 0 49 | 21 32 | 1 2 | 2 37 | 17 12 | 9 3 | 9 27 | 26 46 | 16 48 | 5 1 | S 7 |
| M 8 | 14 55 | 22 13 | 4 50 | 14 55 | 2 2 | 3 31 | 1 18 | 13 38 | 4 29 | 17 10 | 0 57 | 19 25 | 1 56 | 1 29 | 0 49 | 21 32 | 1 2 | 2 37 | 17 13 | 8 59 | 9 25 | 26 47 | 16 48 | 5 1 | M 8 |
| T 9 | 14 36 | 17 18 | 4 18 | 14 17 | 1 59 | 3 59 | 1 26 | 13 47 | 4 30 | 17 12 | 0 57 | 19 26 | 1 56 | 1 30 | 0 49 | 21 32 | 1 2 | 2 38 | 17 13 | 8 55 | 9 24 | 26 49 | 16 48 | 5 0 | T 9 |
| W10 | 14 16 | 11 32 | 3 32 | 13 39 | 1 57 | 4 28 | 1 34 | 13 56 | 4 30 | 17 13 | 0 56 | 19 26 | 1 55 | 1 31 | 0 49 | 21 32 | 1 2 | 2 38 | 17 14 | 8 52 | 9 23 | 26 50 | 16 48 | 5 0 | W10 |
| T 11 | 13 57 | 5 21 | 2 34 | 12 59 | 1 53 | 4 56 | 1 42 | 14 5 | 4 31 | 17 15 | 0 56 | 19 26 | 1 55 | 1 32 | 0 49 | 21 31 | 1 2 | 2 39 | 17 14 | 8 50 | 9 22 | 26 51 | 16 48 | 5 0 | T 11 |
| F 12 | 13 37 | 0s52 | 1 30 | 12 18 | 1 49 | 5 23 | 1 50 | 14 14 | 4 32 | 17 17 | 0 56 | 19 27 | 1 55 | 1 33 | 0 49 | 21 31 | 1 2 | 2 39 | 17 15 | 8 48 | 9 21 | 26 52 | 16 48 | 5 0 | F 12 |
| S 13 | 13 17 | 6 53 | 0 22 | 11 35 | 1 44 | 5 51 | 1 59 | 14 22 | 4 32 | 17 18 | 0 56 | 19 27 | 1 55 | 1 33 | 0 49 | 21 31 | 1 2 | 2 40 | 17 16 | 8 48 | 9 20 | 26 53 | 16 49 | 4 59 | S 13 |
| S 14 | 12 57 | 12 28 | 0s44 | 10 52 | 1 39 | 6 18 | 2 7 | 14 31 | 4 33 | 17 20 | 0 55 | 19 28 | 1 54 | 1 34 | 0 49 | 21 31 | 1 2 | 2 41 | 17 16 | 8 48 | 9 18 | 26 54 | 16 49 | 4 59 | S 14 |
| M15 | 12 36 | 17 27 | 1 48 | 10 8 | 1 33 | 6 45 | 2 16 | 14 40 | 4 33 | 17 22 | 0 55 | 19 28 | 1 54 | 1 35 | 0 49 | 21 31 | 1 2 | 2 41 | 17 17 | 8 48 | 9 17 | 26 56 | 16 49 | 4 59 | M15 |
| T 16 | 12 15 | 21 39 | 2 45 | 9 23 | 1 26 | 7 12 | 2 25 | 14 49 | 4 33 | 17 24 | 0 55 | 19 28 | 1 54 | 1 36 | 0 49 | 21 30 | 1 3 | 2 42 | 17 17 | 8 48 | 9 16 | 26 57 | 16 49 | 4 59 | T 16 |
| W17 | 11 55 | 24 55 | 3 35 | 8 37 | 1 19 | 7 38 | 2 33 | 14 58 | 4 33 | 17 26 | 0 54 | 19 29 | 1 54 | 1 37 | 0 49 | 21 30 | 1 3 | 2 42 | 17 18 | 8 48 | 9 15 | 26 58 | 16 50 | 4 58 | W17 |
| T 18 | 11 33 | 27 6 | 4 15 | 7 51 | 1 11 | 8 5 | 2 42 | 15 6 | 4 33 | 17 28 | 0 54 | 19 29 | 1 53 | 1 38 | 0 49 | 21 30 | 1 3 | 2 43 | 17 18 | 8 47 | 9 14 | 26 59 | 16 50 | 4 58 | T 18 |
| F 19 | 11 12 | 28 3 | 4 45 | 7 3 | 1 3 | 8 30 | 2 51 | 15 15 | 4 33 | 17 30 | 0 54 | 19 30 | 1 53 | 1 39 | 0 49 | 21 30 | 1 3 | 2 44 | 17 19 | 8 46 | 9 13 | 27 0 | 16 50 | 4 58 | F 19 |
| S 20 | 10 51 | 27 43 | 5 2 | 6 16 | 0 53 | 8 56 | 3 1 | 15 23 | 4 33 | 17 32 | 0 54 | 19 30 | 1 53 | 1 40 | 0 49 | 21 30 | 1 3 | 2 44 | 17 19 | 8 43 | 9 11 | 27 1 | 16 50 | 4 58 | S 20 |
| S 21 | 10 29 | 26 3 | 5 6 | 5 28 | 0 43 | 9 21 | 3 10 | 15 32 | 4 33 | 17 34 | 0 53 | 19 31 | 1 52 | 1 41 | 0 49 | 21 29 | 1 3 | 2 45 | 17 20 | 8 40 | 9 10 | 27 2 | 16 51 | 4 57 | S 21 |
| M22 | 10 7 | 23 6 | 4 56 | 4 41 | 0 32 | 9 46 | 3 19 | 15 40 | 4 32 | 17 36 | 0 53 | 19 31 | 1 52 | 1 41 | 0 49 | 21 29 | 1 3 | 2 46 | 17 20 | 8 37 | 9 9 | 27 3 | 16 51 | 4 57 | M22 |
| T 23 | 9 45 | 19 2 | 4 31 | 3 53 | 0 21 | 10 11 | 3 29 | 15 48 | 4 32 | 17 38 | 0 53 | 19 32 | 1 52 | 1 42 | 0 49 | 21 29 | 1 3 | 2 46 | 17 21 | 8 33 | 9 8 | 27 4 | 16 51 | 4 57 | T 23 |
| W24 | 9 23 | 14 0 | 3 52 | 3 6 | 0 8 | 10 35 | 3 38 | 15 55 | 4 31 | 17 40 | 0 53 | 19 33 | 1 52 | 1 43 | 0 49 | 21 29 | 1 3 | 2 47 | 17 22 | 8 30 | 9 7 | 27 5 | 16 52 | 4 57 | W24 |
| T 25 | 9 1 | 8 16 | 3 1 | 2 20 | 0n 5 | 10 58 | 3 48 | 16 3 | 4 30 | 17 42 | 0 53 | 19 33 | 1 51 | 1 44 | 0 49 | 21 29 | 1 3 | 2 48 | 17 22 | 8 28 | 9 6 | 27 7 | 16 52 | 4 56 | T 25 |
| F 26 | 8 38 | 2 4 | 1 58 | 1 35 | 0 18 | 11 22 | 3 58 | 16 10 | 4 30 | 17 44 | 0 52 | 19 34 | 1 51 | 1 45 | 0 49 | 21 29 | 1 3 | 2 48 | 17 23 | 8 26 | 9 4 | 27 8 | 16 52 | 4 56 | F 26 |
| S 27 | 8 16 | 4n19 | 0 48 | 0 52 | 0 32 | 11 44 | 4 8 | 16 17 | 4 29 | 17 46 | 0 52 | 19 34 | 1 51 | 1 46 | 0 49 | 21 28 | 1 3 | 2 49 | 17 23 | 8 25 | 9 3 | 27 9 | 16 53 | 4 56 | S 27 |
| S 28 | 7s53 | 10n36 | 0n26 | 0s10 | 0n47 | 12n 7 | 4n17 | 16n24 | 4n27 | 17n49 | 0s52 | 19n35 | 1s51 | 1n47 | 0n49 | 21s28 | 1n 3 | 2n50 | 17n24 | 8n25 | 9n 2 | 27s10 | 16n53 | 4s56 | S 28 |

Julian Day Number = 2806957.5, Delta T = 51m59s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'42, Lahiri = 37°28'43


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# ASTRODIENST EPHEMERIS for the year 2973
# geocentric

## MARCH 2973 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 38 3 | 10♓43'36 | 10♉23 | 28♓50 | 21♈30 | 27°R19 | 24♉ 1 | 7♊15 | 27°R21 | 14♑44 | 6°R35 | 21♈43 | 23♈20 | 19♐35 | 9♊30 | M 1 |
| T 2 | 10 41 59 | 11°44'13 | 24°20 | 29°48 | 22° 2 | 26♌58 | 24°10 | 7°18 | 27♍18 | 14°46 | 6♏34 | 21°45 | 23°16 | 19°42 | 9°31 | T 2 |
| W 3 | 10 45 56 | 12°44'49 | 8♊24 | 0♈37 | 22°32 | 26°37 | 24°18 | 7°21 | 27°16 | 14°47 | 6°34 | 21°R46 | 23°13 | 19°48 | 9°32 | W 3 |
| T 4 | 10 49 52 | 13°45'23 | 22°34 | 1°18 | 23° 0 | 26°16 | 24°27 | 7°23 | 27°13 | 14°48 | 6°33 | 21°45 | 23°10 | 19°55 | 9°33 | T 4 |
| F 5 | 10 53 49 | 14°45'55 | 6♋47 | 1°50 | 23°27 | 25°56 | 24°36 | 7°26 | 27°11 | 14°50 | 6°32 | 21°44 | 23° 7 | 20° 2 | 9°34 | F 5 |
| S 6 | 10 57 46 | 15°46'25 | 21° 2 | 2°12 | 23°52 | 25°37 | 24°45 | 7°29 | 27° 8 | 14°51 | 6°31 | 21°40 | 23° 4 | 20° 9 | 9°35 | S 6 |
| S 7 | 11 1 42 | 16°46'54 | 5♌15 | 2°24 | 24°16 | 25°18 | 24°54 | 7°32 | 27° 6 | 14°53 | 6°30 | 21°35 | 23° 0 | 20°15 | 9°37 | S 7 |
| M 8 | 11 5 39 | 17°47'21 | 19°21 | 2°R26 | 24°37 | 25° 0 | 25° 3 | 7°35 | 27° 3 | 14°54 | 6°29 | 21°30 | 22°57 | 20°22 | 9°38 | M 8 |
| T 9 | 11 9 35 | 18°47'46 | 3♍18 | 2°18 | 24°57 | 24°43 | 25°13 | 7°39 | 27° 1 | 14°55 | 6°28 | 21°24 | 22°54 | 20°29 | 9°39 | T 9 |
| W10 | 11 13 32 | 19°48'09 | 17° 0 | 2° 0 | 25°14 | 24°26 | 25°22 | 7°42 | 26°58 | 14°56 | 6°27 | 21°20 | 22°51 | 20°35 | 9°41 | W10 |
| T 11 | 11 17 28 | 20°48'31 | 0♎24 | 1°32 | 25°30 | 24°10 | 25°32 | 7°45 | 26°55 | 14°57 | 6°26 | 21°17 | 22°48 | 20°42 | 9°42 | T 11 |
| F 12 | 11 21 25 | 21°48'51 | 13°30 | 0°56 | 25°43 | 23°54 | 25°41 | 7°49 | 26°53 | 14°59 | 6°25 | 21°15 | 22°45 | 20°49 | 9°44 | F 12 |
| S 13 | 11 25 21 | 22°49'10 | 26°16 | 0°12 | 25°54 | 23°40 | 25°51 | 7°53 | 26°50 | 15° 0 | 6°24 | 21°D15 | 22°41 | 20°55 | 9°46 | S 13 |
| S 14 | 11 29 18 | 23°49'27 | 8♏44 | 29♓21 | 26° 3 | 23°26 | 26° 1 | 7°56 | 26°48 | 15° 1 | 6°23 | 21°16 | 22°38 | 21° 2 | 9°47 | S 14 |
| M15 | 11 33 15 | 24°49'43 | 20°57 | 28°25 | 26° 9 | 23°13 | 26°11 | 8° 0 | 26°45 | 15° 2 | 6°22 | 21°17 | 22°35 | 21° 9 | 9°49 | M15 |
| T 16 | 11 37 11 | 25°49'58 | 2♐59 | 27°26 | 26°14 | 23° 0 | 26°21 | 8° 4 | 26°42 | 15° 3 | 6°21 | 21°19 | 22°32 | 21°16 | 9°51 | T 16 |
| W17 | 11 41 8 | 26°50'11 | 14°53 | 26°23 | 26°R16 | 22°49 | 26°32 | 8° 8 | 26°40 | 15° 4 | 6°19 | 21°21 | 22°29 | 21°22 | 9°53 | W17 |
| T 18 | 11 45 4 | 27°50'22 | 26°44 | 25°20 | 26°15 | 22°38 | 26°42 | 8°12 | 26°37 | 15° 5 | 6°18 | 21°R21 | 22°26 | 21°29 | 9°55 | T 18 |
| F 19 | 11 49 1 | 28°50'33 | 8♑38 | 24°18 | 26°12 | 22°28 | 26°53 | 8°16 | 26°34 | 15° 6 | 6°17 | 21°21 | 22°22 | 21°36 | 9°57 | F 19 |
| S 20 | 11 52 57 | 29°50'41 | 20°39 | 23°18 | 26° 6 | 22°18 | 27° 3 | 8°21 | 26°32 | 15° 7 | 6°16 | 21°19 | 22°19 | 21°42 | 9°59 | S 20 |
| S 21 | 11 56 54 | 0♈50'48 | 2♒51 | 22°21 | 25°58 | 22°10 | 27°14 | 8°25 | 26°29 | 15° 8 | 6°15 | 21°17 | 22°16 | 21°49 | 10° 1 | S 21 |
| M22 | 12 0 50 | 1°50'54 | 15°19 | 21°28 | 25°48 | 22° 2 | 27°25 | 8°29 | 26°26 | 15° 9 | 6°13 | 21°14 | 22°13 | 21°56 | 10° 3 | M22 |
| T 23 | 12 4 47 | 2°50'58 | 28° 4 | 20°41 | 25°35 | 21°55 | 27°36 | 8°34 | 26°24 | 15° 9 | 6°12 | 21°11 | 22°10 | 22° 3 | 10° 5 | T 23 |
| W24 | 12 8 44 | 3°51'00 | 11♓ 9 | 19°59 | 25°20 | 21°49 | 27°47 | 8°39 | 26°21 | 15°10 | 6°11 | 21° 9 | 22° 6 | 22° 9 | 10° 7 | W24 |
| T 25 | 12 12 40 | 4°51'01 | 24°34 | 19°24 | 25° 2 | 21°43 | 27°58 | 8°43 | 26°19 | 15°11 | 6° 9 | 21° 7 | 22° 3 | 22°16 | 10°10 | T 25 |
| F 26 | 12 16 37 | 5°50'59 | 8♈16 | 18°55 | 24°42 | 21°39 | 28° 9 | 8°48 | 26°16 | 15°12 | 6° 8 | 21° 5 | 22° 0 | 22°23 | 10°12 | F 26 |
| S 27 | 12 20 33 | 6°50'56 | 22°14 | 18°32 | 24°19 | 21°35 | 28°21 | 8°53 | 26°13 | 15°12 | 6° 6 | 21°D 5 | 21°57 | 22°29 | 10°15 | S 27 |
| S 28 | 12 24 30 | 7°50'51 | 6♉23 | 18°16 | 23°54 | 21°32 | 28°32 | 8°58 | 26°11 | 15°13 | 6° 5 | 21° 5 | 21°54 | 22°36 | 10°17 | S 28 |
| M29 | 12 28 26 | 8°50'44 | 20°40 | 18° 7 | 23°28 | 21°30 | 28°44 | 9° 3 | 26° 8 | 15°14 | 6° 4 | 21° 6 | 21°51 | 22°43 | 10°20 | M29 |
| T 30 | 12 32 23 | 9°50'35 | 5♊ 1 | 18°D 4 | 22°59 | 21°28 | 28°55 | 9° 8 | 26° 6 | 15°14 | 6° 2 | 21° 7 | 21°47 | 22°49 | 10°22 | T 30 |
| W31 | 12 36 19 | 10♈50'24 | 19♊20 | 18♓ 7 | 22♈28 | 21°D27 | 29♉ 7 | 9♊13 | 26♍ 3 | 15♑15 | 6♏ 1 | 21♈ 8 | 21♈44 | 22♐56 | 10♊25 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7s30 | 16n26 | 1n40 | 0n29 | 1n 2 | 12n28 | 4n27 | 16n30 | 4n26 | 17n51 | 0s52 | 19n36 | 1s50 | 1n48 | 0n49 | 21s28 | 1n 3 | 2n50 | 17n24 | 8n25 | 9n 1 | 27s11 | 16n53 | 4s55 |
| T 2 | 7 7 | 21 28 | 2 48 | 1 6 | 1 17 | 12 50 | 4 37 | 16 37 | 4 25 | 17 53 | 0 51 | 19 36 | 1 50 | 1 49 | 0 49 | 21 28 | 1 3 | 2 51 | 17 25 | 8 26 | 9 0 | 27 12 | 16 54 | 4 55 |
| W 3 | 6 44 | 25 19 | 3 46 | 1 40 | 1 33 | 13 10 | 4 48 | 16 43 | 4 24 | 17 55 | 0 51 | 19 37 | 1 50 | 1 50 | 0 49 | 21 28 | 1 3 | 2 52 | 17 25 | 8 26 | 8 59 | 27 13 | 16 54 | 4 55 |
| T 4 | 6 21 | 27 38 | 4 32 | 2 10 | 1 48 | 13 30 | 4 58 | 16 48 | 4 22 | 17 58 | 0 51 | 19 38 | 1 50 | 1 51 | 0 49 | 21 27 | 1 3 | 2 52 | 17 26 | 8 26 | 8 57 | 27 14 | 16 55 | 4 55 |
| F 5 | 5 58 | 28 9 | 5 0 | 2 37 | 2 3 | 13 50 | 5 8 | 16 54 | 4 21 | 18 0 | 0 51 | 19 39 | 1 49 | 1 52 | 0 49 | 21 27 | 1 3 | 2 53 | 17 26 | 8 25 | 8 56 | 27 15 | 16 55 | 4 54 |
| S 6 | 5 35 | 26 48 | 5 11 | 2 59 | 2 18 | 14 9 | 5 18 | 16 59 | 4 19 | 18 2 | 0 50 | 19 39 | 1 49 | 1 53 | 0 49 | 21 27 | 1 3 | 2 54 | 17 27 | 8 24 | 8 55 | 27 16 | 16 55 | 4 54 |
| S 7 | 5 12 | 23 44 | 5 2 | 3 17 | 2 32 | 14 27 | 5 28 | 17 4 | 4 18 | 18 5 | 0 50 | 19 40 | 1 49 | 1 54 | 0 49 | 21 27 | 1 3 | 2 55 | 17 27 | 8 22 | 8 54 | 27 17 | 16 56 | 4 54 |
| M 8 | 4 48 | 19 18 | 4 35 | 3 30 | 2 46 | 14 44 | 5 38 | 17 8 | 4 16 | 18 7 | 0 50 | 19 41 | 1 48 | 1 55 | 0 49 | 21 27 | 1 3 | 2 55 | 17 27 | 8 20 | 8 53 | 27 18 | 16 56 | 4 54 |
| T 9 | 4 25 | 13 51 | 3 52 | 3 38 | 2 58 | 15 1 | 5 48 | 17 12 | 4 14 | 18 10 | 0 50 | 19 42 | 1 48 | 1 56 | 0 49 | 21 27 | 1 3 | 2 56 | 17 28 | 8 18 | 8 52 | 27 19 | 16 57 | 4 53 |
| W10 | 4 1 | 7 49 | 2 56 | 3 41 | 3 9 | 15 16 | 5 58 | 17 16 | 4 12 | 18 12 | 0 50 | 19 42 | 1 48 | 1 57 | 0 49 | 21 26 | 1 3 | 2 57 | 17 28 | 8 17 | 8 50 | 27 20 | 16 57 | 4 53 |
| T 11 | 3 37 | 1 33 | 1 52 | 3 39 | 3 19 | 15 31 | 6 8 | 17 20 | 4 10 | 18 15 | 0 49 | 19 43 | 1 48 | 1 58 | 0 49 | 21 26 | 1 3 | 2 58 | 17 29 | 8 15 | 8 49 | 27 21 | 16 58 | 4 53 |
| F 12 | 3 14 | 4s39 | 0 42 | 3 32 | 3 27 | 15 45 | 6 18 | 17 23 | 4 8 | 18 17 | 0 49 | 19 44 | 1 47 | 1 59 | 0 49 | 21 26 | 1 3 | 2 58 | 17 29 | 8 15 | 8 48 | 27 22 | 16 58 | 4 53 |
| S 13 | 2 50 | 10 31 | 0s27 | 3 20 | 3 32 | 15 59 | 6 28 | 17 26 | 4 6 | 18 20 | 0 49 | 19 45 | 1 47 | 2 0 | 0 49 | 21 26 | 1 3 | 2 59 | 17 30 | 8 15 | 8 47 | 27 22 | 16 59 | 4 52 |
| S 14 | 2 26 | 15 50 | 1 35 | 3 3 | 3 36 | 16 11 | 6 38 | 17 29 | 4 4 | 18 22 | 0 49 | 19 46 | 1 47 | 2 2 | 0 49 | 21 26 | 1 3 | 3 0 | 17 30 | 8 15 | 8 46 | 27 23 | 16 59 | 4 52 |
| M15 | 2 3 | 20 25 | 2 36 | 2 43 | 3 38 | 16 22 | 6 47 | 17 31 | 4 2 | 18 25 | 0 49 | 19 46 | 1 47 | 2 3 | 0 49 | 21 26 | 1 3 | 3 0 | 17 30 | 8 16 | 8 45 | 27 24 | 17 0 | 4 52 |
| T 16 | 1 39 | 24 4 | 3 29 | 2 19 | 3 38 | 16 32 | 6 57 | 17 33 | 4 0 | 18 27 | 0 48 | 19 47 | 1 46 | 2 4 | 0 49 | 21 26 | 1 3 | 3 1 | 17 31 | 8 16 | 8 43 | 27 25 | 17 0 | 4 52 |
| W17 | 1 15 | 26 39 | 4 13 | 1 52 | 3 35 | 16 41 | 7 6 | 17 35 | 3 58 | 18 30 | 0 48 | 19 48 | 1 46 | 2 5 | 0 49 | 21 25 | 1 3 | 3 2 | 17 31 | 8 17 | 8 42 | 27 26 | 17 0 | 4 52 |
| T 18 | 0 51 | 28 3 | 4 46 | 1 23 | 3 30 | 16 49 | 7 14 | 17 37 | 3 55 | 18 32 | 0 48 | 19 49 | 1 46 | 2 6 | 0 49 | 21 25 | 1 3 | 3 3 | 17 32 | 8 17 | 8 41 | 27 27 | 17 1 | 4 51 |
| F 19 | 0 28 | 28 8 | 5 7 | 0 52 | 3 24 | 16 56 | 7 23 | 17 38 | 3 53 | 18 35 | 0 48 | 19 50 | 1 46 | 2 7 | 0 49 | 21 25 | 1 3 | 3 3 | 17 32 | 8 17 | 8 40 | 27 28 | 17 2 | 4 51 |
| S 20 | 0 4 | 26 55 | 5 15 | 0 21 | 3 15 | 17 2 | 7 31 | 17 39 | 3 51 | 18 38 | 0 48 | 19 51 | 1 46 | 2 8 | 0 49 | 21 25 | 1 3 | 3 4 | 17 32 | 8 17 | 8 39 | 27 29 | 17 2 | 4 51 |
| S 21 | 0n20 | 24 25 | 5 8 | 0s11 | 3 5 | 17 6 | 7 39 | 17 39 | 3 49 | 18 40 | 0 47 | 19 52 | 1 45 | 2 9 | 0 49 | 21 25 | 1 3 | 3 5 | 17 33 | 8 16 | 8 38 | 27 30 | 17 3 | 4 51 |
| M22 | 0 44 | 20 44 | 4 48 | 0 42 | 2 54 | 17 9 | 7 46 | 17 40 | 3 46 | 18 43 | 0 47 | 19 53 | 1 45 | 2 10 | 0 49 | 21 25 | 1 3 | 3 6 | 17 33 | 8 15 | 8 36 | 27 31 | 17 3 | 4 50 |
| T 23 | 1 8 | 16 1 | 4 12 | 1 12 | 2 41 | 17 10 | 7 53 | 17 40 | 3 44 | 18 46 | 0 47 | 19 54 | 1 45 | 2 11 | 0 49 | 21 25 | 1 3 | 3 6 | 17 33 | 8 13 | 8 35 | 27 31 | 17 4 | 4 50 |
| W24 | 1 31 | 10 28 | 3 23 | 1 41 | 2 28 | 17 10 | 7 59 | 17 39 | 3 42 | 18 48 | 0 47 | 19 54 | 1 45 | 2 12 | 0 49 | 21 25 | 1 3 | 3 7 | 17 34 | 8 12 | 8 34 | 27 32 | 17 4 | 4 50 |
| T 25 | 1 55 | 4 19 | 2 21 | 2 7 | 2 14 | 17 9 | 8 5 | 17 39 | 3 39 | 18 51 | 0 47 | 19 55 | 1 44 | 2 13 | 0 49 | 21 24 | 1 3 | 3 8 | 17 34 | 8 12 | 8 33 | 27 33 | 17 5 | 4 50 |
| F 26 | 2 19 | 2n11 | 1 10 | 2 32 | 1 59 | 17 6 | 8 10 | 17 38 | 3 37 | 18 54 | 0 46 | 19 56 | 1 44 | 2 14 | 0 49 | 21 24 | 1 3 | 3 8 | 17 34 | 8 11 | 8 32 | 27 34 | 17 5 | 4 50 |
| S 27 | 2 42 | 8 43 | 0n 6 | 2 54 | 1 45 | 17 2 | 8 14 | 17 37 | 3 34 | 18 56 | 0 46 | 19 57 | 1 44 | 2 15 | 0 49 | 21 24 | 1 3 | 3 9 | 17 35 | 8 11 | 8 30 | 27 35 | 17 6 | 4 49 |
| S 28 | 3 6 | 14 54 | 1 24 | 3 14 | 1 30 | 16 56 | 8 18 | 17 36 | 3 32 | 18 59 | 0 46 | 19 58 | 1 44 | 2 16 | 0 49 | 21 24 | 1 3 | 3 10 | 17 35 | 8 11 | 8 29 | 27 36 | 17 6 | 4 49 |
| M29 | 3 29 | 20 21 | 2 36 | 3 32 | 1 15 | 16 49 | 8 21 | 17 34 | 3 30 | 19 2 | 0 46 | 19 59 | 1 44 | 2 17 | 0 49 | 21 24 | 1 3 | 3 11 | 17 35 | 8 12 | 8 28 | 27 36 | 17 7 | 4 49 |
| T 30 | 3 53 | 24 38 | 3 40 | 3 47 | 1 0 | 16 40 | 8 23 | 17 33 | 3 27 | 19 4 | 0 46 | 20 0 | 1 43 | 2 18 | 0 49 | 21 24 | 1 3 | 3 11 | 17 36 | 8 12 | 8 27 | 27 37 | 17 7 | 4 49 |
| W31 | 4n16 | 27n22 | 4n29 | 3s59 | 0n45 | 16n30 | 8n25 | 17n31 | 3n25 | 19n 7 | 0s45 | 20n 1 | 1s43 | 2n19 | 0n49 | 21s24 | 1n 4 | 3n12 | 17n36 | 8n12 | 8n26 | 27s38 | 17n 8 | 4s49 |

Julian Day Number = 2806985.5, Delta T = 52m00s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'46, Lahiri = 37°28'46


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# ASTRODIENST EPHEMERIS for the year 2973
# geocentric

## APRIL 2973 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 40 16 | 11♈50'11 | 3♋36 | 18♓15 | 21°R56 | 21♌27 | 29♉19 | 9♊18 | 26°R 1 | 15♑15 | 5°R59 | 21♈ 9 | 21♈41 | 23♐ 3 | 10♊28 | T 1 |
| F 2 | 12 44 13 | 12°49'55 | 17°46 | 18°30 | 21♈22 | 21°28 | 29°31 | 9°24 | 25♍58 | 15°16 | 5♏58 | 21°R 9 | 21°38 | 23°10 | 10°31 | F 2 |
| S 3 | 12 48 9 | 13°49'37 | 1♌47 | 18°49 | 20°47 | 21°30 | 29°43 | 9°29 | 25°56 | 15°16 | 5°56 | 21° 8 | 21°35 | 23°16 | 10°33 | S 3 |
| S 4 | 12 52 6 | 14°49'17 | 15°39 | 19°14 | 20°11 | 21°32 | 29°55 | 9°35 | 25°53 | 15°17 | 5°55 | 21° 8 | 21°32 | 23°23 | 10°36 | S 4 |
| M 5 | 12 56 2 | 15°48'55 | 29°19 | 19°43 | 19°34 | 21°35 | 0♊ 7 | 9°40 | 25°51 | 15°17 | 5°53 | 21° 7 | 21°28 | 23°30 | 10°39 | M 5 |
| T 6 | 12 59 59 | 16°48'30 | 12♍47 | 20°17 | 18°57 | 21°38 | 0°19 | 9°46 | 25°49 | 15°17 | 5°51 | 21° 7 | 21°25 | 23°36 | 10°42 | T 6 |
| W 7 | 13 3 55 | 17°48'03 | 26° 2 | 20°55 | 18°19 | 21°43 | 0°31 | 9°51 | 25°46 | 15°18 | 5°50 | 21° 6 | 21°22 | 23°43 | 10°45 | W 7 |
| T 8 | 13 7 52 | 18°47'34 | 9♎ 3 | 21°37 | 17°42 | 21°47 | 0°44 | 9°57 | 25°44 | 15°18 | 5°48 | 21° 6 | 21°19 | 23°50 | 10°48 | T 8 |
| F 9 | 13 11 48 | 19°47'04 | 21°50 | 22°22 | 17° 4 | 21°53 | 0°56 | 10° 3 | 25°41 | 15°18 | 5°47 | 21°D 6 | 21°16 | 23°56 | 10°51 | F 9 |
| S 10 | 13 15 45 | 20°46'31 | 4♏23 | 23°11 | 16°27 | 21°59 | 1° 8 | 10° 9 | 25°39 | 15°18 | 5°45 | 21°R 6 | 21°12 | 24° 3 | 10°55 | S 10 |
| S 11 | 13 19 41 | 21°45'56 | 16°44 | 24° 3 | 15°51 | 22° 6 | 1°21 | 10°15 | 25°37 | 15°19 | 5°43 | 21° 6 | 21° 9 | 24°10 | 10°58 | S 11 |
| M12 | 13 23 38 | 22°45'20 | 28°53 | 24°59 | 15°15 | 22°14 | 1°34 | 10°21 | 25°35 | 15°19 | 5°42 | 21° 6 | 21° 6 | 24°17 | 11° 1 | M12 |
| T 13 | 13 27 35 | 23°44'41 | 10♐53 | 25°57 | 14°41 | 22°22 | 1°46 | 10°27 | 25°32 | 15°19 | 5°40 | 21° 5 | 21° 3 | 24°23 | 11° 4 | T 13 |
| W14 | 13 31 31 | 24°44'01 | 22°47 | 26°58 | 14° 8 | 22°30 | 1°59 | 10°33 | 25°30 | 15°19 | 5°39 | 21° 5 | 21° 0 | 24°30 | 11° 8 | W14 |
| T 15 | 13 35 28 | 25°43'20 | 4♑39 | 28° 2 | 13°37 | 22°40 | 2°12 | 10°39 | 25°28 | 15°19 | 5°37 | 21° 5 | 20°57 | 24°37 | 11°11 | T 15 |
| F 16 | 13 39 24 | 26°42'36 | 16°33 | 29° 8 | 13° 7 | 22°49 | 2°25 | 10°45 | 25°26 | 15°R19 | 5°35 | 21° 4 | 20°53 | 24°43 | 11°14 | F 16 |
| S 17 | 13 43 21 | 27°41'51 | 28°33 | 0♈16 | 12°40 | 23° 0 | 2°38 | 10°52 | 25°24 | 15°19 | 5°34 | 21°D 4 | 20°50 | 24°50 | 11°18 | S 17 |
| S 18 | 13 47 17 | 28°41'04 | 10♒44 | 1°27 | 12°14 | 23°11 | 2°51 | 10°58 | 25°22 | 15°19 | 5°32 | 21° 4 | 20°47 | 24°57 | 11°21 | S 18 |
| M19 | 13 51 14 | 29°40'15 | 23°10 | 2°40 | 11°51 | 23°22 | 3° 4 | 11° 4 | 25°20 | 15°19 | 5°30 | 21° 5 | 20°44 | 25° 4 | 11°25 | M19 |
| T 20 | 13 55 11 | 0♉39'25 | 5♓55 | 3°55 | 11°30 | 23°34 | 3°17 | 11°11 | 25°18 | 15°19 | 5°29 | 21° 6 | 20°41 | 25°10 | 11°29 | T 20 |
| W21 | 13 59 7 | 1°38'32 | 19° 3 | 5°12 | 11°11 | 23°47 | 3°30 | 11°17 | 25°16 | 15°19 | 5°27 | 21° 7 | 20°37 | 25°17 | 11°32 | W21 |
| T 22 | 14 3 4 | 2°37'38 | 2♈35 | 6°31 | 10°55 | 24° 0 | 3°43 | 11°24 | 25°14 | 15°19 | 5°25 | 21° 8 | 20°34 | 25°24 | 11°36 | T 22 |
| F 23 | 14 7 0 | 3°36'42 | 16°30 | 7°51 | 10°41 | 24°13 | 3°56 | 11°31 | 25°12 | 15°18 | 5°23 | 21°R 8 | 20°31 | 25°30 | 11°40 | F 23 |
| S 24 | 14 10 57 | 4°35'45 | 0♉48 | 9°14 | 10°29 | 24°27 | 4°10 | 11°37 | 25°10 | 15°18 | 5°22 | 21° 8 | 20°28 | 25°37 | 11°43 | S 24 |
| S 25 | 14 14 53 | 5°34'45 | 15°22 | 10°39 | 10°20 | 24°42 | 4°23 | 11°44 | 25° 8 | 15°18 | 5°20 | 21° 7 | 20°25 | 25°44 | 11°47 | S 25 |
| M26 | 14 18 50 | 6°33'43 | 0♊ 7 | 12° 5 | 10°13 | 24°57 | 4°36 | 11°51 | 25° 6 | 15°17 | 5°18 | 21° 5 | 20°22 | 25°51 | 11°51 | M26 |
| T 27 | 14 22 46 | 7°32'40 | 14°55 | 13°33 | 10° 9 | 25°12 | 4°50 | 11°58 | 25° 5 | 15°17 | 5°17 | 21° 3 | 20°18 | 25°57 | 11°55 | T 27 |
| W28 | 14 26 43 | 8°31'34 | 29°39 | 15° 2 | 10°D 7 | 25°28 | 5° 3 | 12° 5 | 25° 3 | 15°17 | 5°15 | 21° 1 | 20°15 | 26° 4 | 11°59 | W28 |
| T 29 | 14 30 39 | 9°30'26 | 14♋13 | 16°34 | 10° 8 | 25°45 | 5°17 | 12°11 | 25° 1 | 15°16 | 5°13 | 20°59 | 20°12 | 26°11 | 12° 2 | T 29 |
| F 30 | 14 34 36 | 10♉29'16 | 28♋31 | 18♈ 7 | 10♈11 | 26♌ 1 | 5♊30 | 12♊18 | 25♍ 0 | 15♑16 | 5♏12 | 20♈58 | 20♈ 9 | 26♐17 | 12♊ 6 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4n39 | 28n18 | 5n 2 | 4s 8 | 0n31 | 16n18 | 8n25 | 17n28 | 3n23 | 19n10 | 0s45 | 20n 2 | 1s43 | 2n20 | 0n49 | 21s24 | 1n 4 | 3n13 | 17n36 | 8n12 | 8n25 | 27s39 | 17n 9 | 4s48 |
| F 2 | 5 3 | 27 22 | 5 16 | 4 16 | 0 17 | 16 5 | 8 25 | 17 26 | 3 20 | 19 12 | 0 45 | 20 3 | 1 43 | 2 21 | 0 49 | 21 24 | 1 4 | 3 13 | 17 36 | 8 13 | 8 23 | 27 40 | 17 9 | 4 48 |
| S 3 | 5 26 | 24 43 | 5 11 | 4 20 | 0 4 | 15 51 | 8 23 | 17 23 | 3 18 | 19 15 | 0 45 | 20 4 | 1 42 | 2 22 | 0 49 | 21 24 | 1 4 | 3 14 | 17 37 | 8 12 | 8 22 | 27 40 | 17 10 | 4 48 |
| S 4 | 5 49 | 20 39 | 4 48 | 4 23 | 0s 9 | 15 35 | 8 21 | 17 20 | 3 15 | 19 18 | 0 45 | 20 5 | 1 42 | 2 23 | 0 49 | 21 24 | 1 4 | 3 15 | 17 37 | 8 12 | 8 21 | 27 41 | 17 10 | 4 48 |
| M 5 | 6 12 | 15 32 | 4 9 | 4 23 | 0 21 | 15 18 | 8 18 | 17 17 | 3 13 | 19 21 | 0 45 | 20 6 | 1 42 | 2 24 | 0 49 | 21 23 | 1 4 | 3 16 | 17 37 | 8 12 | 8 20 | 27 42 | 17 11 | 4 48 |
| T 6 | 6 34 | 9 45 | 3 17 | 4 20 | 0 33 | 15 0 | 8 14 | 17 14 | 3 11 | 19 23 | 0 44 | 20 7 | 1 42 | 2 25 | 0 49 | 21 23 | 1 4 | 3 16 | 17 37 | 8 12 | 8 19 | 27 43 | 17 11 | 4 47 |
| W 7 | 6 57 | 3 38 | 2 15 | 4 16 | 0 45 | 14 40 | 8 9 | 17 10 | 3 8 | 19 26 | 0 44 | 20 8 | 1 42 | 2 26 | 0 49 | 21 23 | 1 4 | 3 17 | 17 38 | 8 12 | 8 17 | 27 43 | 17 12 | 4 47 |
| T 8 | 7 20 | 2s33 | 1 6 | 4 10 | 0 55 | 14 20 | 8 3 | 17 6 | 3 6 | 19 29 | 0 44 | 20 9 | 1 41 | 2 26 | 0 49 | 21 23 | 1 4 | 3 18 | 17 38 | 8 11 | 8 16 | 27 44 | 17 13 | 4 47 |
| F 9 | 7 42 | 8 32 | 0s 4 | 4 1 | 1 6 | 14 0 | 7 56 | 17 2 | 3 4 | 19 31 | 0 44 | 20 10 | 1 41 | 2 27 | 0 49 | 21 23 | 1 4 | 3 18 | 17 38 | 8 11 | 8 15 | 27 45 | 17 13 | 4 47 |
| S 10 | 8 4 | 14 4 | 1 13 | 3 51 | 1 15 | 13 38 | 7 48 | 16 58 | 3 2 | 19 34 | 0 44 | 20 11 | 1 41 | 2 28 | 0 49 | 21 23 | 1 4 | 3 19 | 17 38 | 8 11 | 8 14 | 27 46 | 17 14 | 4 47 |
| S 11 | 8 26 | 18 57 | 2 17 | 3 39 | 1 25 | 13 16 | 7 40 | 16 54 | 2 59 | 19 37 | 0 44 | 20 12 | 1 41 | 2 29 | 0 49 | 21 23 | 1 4 | 3 20 | 17 38 | 8 11 | 8 13 | 27 46 | 17 14 | 4 47 |
| M12 | 8 48 | 22 58 | 3 15 | 3 25 | 1 33 | 12 54 | 7 30 | 16 49 | 2 57 | 19 39 | 0 44 | 20 13 | 1 41 | 2 30 | 0 49 | 21 23 | 1 4 | 3 20 | 17 38 | 8 11 | 8 12 | 27 47 | 17 15 | 4 46 |
| T 13 | 9 10 | 25 57 | 4 2 | 3 9 | 1 41 | 12 31 | 7 20 | 16 45 | 2 55 | 19 42 | 0 43 | 20 14 | 1 40 | 2 31 | 0 49 | 21 23 | 1 4 | 3 21 | 17 38 | 8 11 | 8 10 | 27 48 | 17 16 | 4 46 |
| W14 | 9 32 | 27 46 | 4 39 | 2 52 | 1 49 | 12 9 | 7 10 | 16 40 | 2 53 | 19 45 | 0 43 | 20 16 | 1 40 | 2 32 | 0 49 | 21 23 | 1 4 | 3 21 | 17 39 | 8 11 | 8 9 | 27 48 | 17 16 | 4 46 |
| T 15 | 9 53 | 28 18 | 5 4 | 2 33 | 1 56 | 11 46 | 6 58 | 16 35 | 2 50 | 19 47 | 0 43 | 20 17 | 1 40 | 2 33 | 0 49 | 21 23 | 1 4 | 3 22 | 17 39 | 8 11 | 8 8 | 27 49 | 17 17 | 4 46 |
| F 16 | 10 15 | 27 31 | 5 16 | 2 13 | 2 2 | 11 24 | 6 46 | 16 29 | 2 48 | 19 50 | 0 43 | 20 18 | 1 40 | 2 33 | 0 49 | 21 23 | 1 4 | 3 23 | 17 39 | 8 11 | 8 7 | 27 50 | 17 17 | 4 46 |
| S 17 | 10 36 | 25 28 | 5 14 | 1 51 | 2 8 | 11 2 | 6 34 | 16 24 | 2 46 | 19 53 | 0 43 | 20 19 | 1 40 | 2 34 | 0 49 | 21 23 | 1 4 | 3 23 | 17 39 | 8 11 | 8 6 | 27 50 | 17 18 | 4 46 |
| S 18 | 10 57 | 22 14 | 4 58 | 1 28 | 2 14 | 10 40 | 6 21 | 16 18 | 2 44 | 19 55 | 0 43 | 20 20 | 1 40 | 2 35 | 0 49 | 21 23 | 1 4 | 3 24 | 17 39 | 8 11 | 8 4 | 27 51 | 17 19 | 4 46 |
| M19 | 11 18 | 17 57 | 4 29 | 1 4 | 2 19 | 10 19 | 6 8 | 16 12 | 2 42 | 19 58 | 0 43 | 20 21 | 1 39 | 2 36 | 0 49 | 21 23 | 1 4 | 3 24 | 17 39 | 8 11 | 8 3 | 27 52 | 17 19 | 4 45 |
| T 20 | 11 39 | 12 47 | 3 45 | 0 38 | 2 23 | 9 58 | 5 55 | 16 6 | 2 40 | 20 1 | 0 42 | 20 22 | 1 39 | 2 37 | 0 49 | 21 23 | 1 4 | 3 25 | 17 39 | 8 11 | 8 2 | 27 52 | 17 20 | 4 45 |
| W21 | 11 59 | 6 54 | 2 48 | 0 12 | 2 27 | 9 38 | 5 41 | 16 0 | 2 38 | 20 3 | 0 42 | 20 23 | 1 39 | 2 37 | 0 49 | 21 23 | 1 4 | 3 26 | 17 39 | 8 12 | 8 1 | 27 53 | 17 20 | 4 45 |
| T 22 | 12 19 | 0 31 | 1 41 | 0n17 | 2 30 | 9 19 | 5 28 | 15 54 | 2 36 | 20 6 | 0 42 | 20 24 | 1 39 | 2 38 | 0 49 | 21 23 | 1 4 | 3 26 | 17 39 | 8 12 | 8 0 | 27 54 | 17 21 | 4 45 |
| F 23 | 12 39 | 6n 4 | 0 26 | 0 46 | 2 33 | 9 1 | 5 14 | 15 48 | 2 34 | 20 8 | 0 42 | 20 25 | 1 39 | 2 39 | 0 49 | 21 23 | 1 4 | 3 27 | 17 39 | 8 12 | 7 58 | 27 54 | 17 22 | 4 45 |
| S 24 | 12 59 | 12 31 | 0n53 | 1 16 | 2 35 | 8 44 | 5 0 | 15 41 | 2 32 | 20 11 | 0 42 | 20 26 | 1 39 | 2 39 | 0 49 | 21 23 | 1 4 | 3 27 | 17 39 | 8 12 | 7 57 | 27 55 | 17 22 | 4 45 |
| S 25 | 13 19 | 18 26 | 2 10 | 1 47 | 2 37 | 8 27 | 4 46 | 15 34 | 2 30 | 20 14 | 0 42 | 20 27 | 1 38 | 2 40 | 0 49 | 21 23 | 1 4 | 3 28 | 17 39 | 8 12 | 7 56 | 27 55 | 17 23 | 4 45 |
| M26 | 13 38 | 23 19 | 3 19 | 2 20 | 2 38 | 8 12 | 4 32 | 15 27 | 2 28 | 20 16 | 0 42 | 20 28 | 1 38 | 2 41 | 0 49 | 21 23 | 1 4 | 3 28 | 17 39 | 8 11 | 7 55 | 27 56 | 17 23 | 4 45 |
| T 27 | 13 57 | 26 41 | 4 15 | 2 53 | 2 38 | 7 57 | 4 18 | 15 20 | 2 26 | 20 19 | 0 41 | 20 29 | 1 38 | 2 41 | 0 49 | 21 23 | 1 4 | 3 29 | 17 39 | 8 11 | 7 54 | 27 56 | 17 24 | 4 45 |
| W28 | 14 16 | 28 13 | 4 54 | 3 27 | 2 38 | 7 44 | 4 4 | 15 13 | 2 24 | 20 21 | 0 41 | 20 30 | 1 38 | 2 42 | 0 49 | 21 23 | 1 4 | 3 29 | 17 39 | 8 10 | 7 53 | 27 57 | 17 25 | 4 44 |
| T 29 | 14 35 | 27 45 | 5 13 | 4 3 | 2 38 | 7 31 | 3 50 | 15 6 | 2 22 | 20 24 | 0 41 | 20 31 | 1 38 | 2 43 | 0 49 | 21 23 | 1 4 | 3 30 | 17 39 | 8 9 | 7 51 | 27 58 | 17 25 | 4 44 |
| F 30 | 14n53 | 25n27 | 5n13 | 4n39 | 2s37 | 7n20 | 3n37 | 14n58 | 2n20 | 20n26 | 0s41 | 20n32 | 1s38 | 2n43 | 0n49 | 21s23 | 1n 4 | 3n30 | 17n39 | 8n 9 | 7n50 | 27s58 | 17n26 | 4s44 |

Julian Day Number = 2807016.5, Delta T = 52m00s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'50, Lahiri = 37°28'51


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# ASTRODIENST EPHEMERIS for the year 2973
# geocentric

## MAY 2973 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 38 33 | 11♉28'03 | 12♌32 | 19♈41 | 10♈16 | 26♌19 | 5♊44 | 12♊25 | 24°R58 | 15°R15 | 5°R10 | 20°D58 | 20♈ 6 | 26♐24 | 12♊10 | S 1 |
| S 2 | 14 42 29 | 12°26'49 | 26°15 | 21°18 | 10°23 | 26°36 | 5°58 | 12°32 | 24♍57 | 15♑15 | 5♏ 8 | 20♈58 | 20° 3 | 26°31 | 12°14 | S 2 |
| M 3 | 14 46 26 | 13°25'32 | 9♍39 | 22°56 | 10°33 | 26°54 | 6°11 | 12°39 | 24°55 | 15°14 | 5° 7 | 21° 0 | 19°59 | 26°38 | 12°18 | M 3 |
| T 4 | 14 50 22 | 14°24'12 | 22°46 | 24°35 | 10°44 | 27°13 | 6°25 | 12°47 | 24°54 | 15°14 | 5° 5 | 21° 1 | 19°56 | 26°44 | 12°22 | T 4 |
| W 5 | 14 54 19 | 15°22'51 | 5♎39 | 26°16 | 10°58 | 27°32 | 6°39 | 12°54 | 24°52 | 15°13 | 5° 3 | 21° 2 | 19°53 | 26°51 | 12°26 | W 5 |
| T 6 | 14 58 15 | 16°21'28 | 18°18 | 27°59 | 11°14 | 27°51 | 6°53 | 13° 1 | 24°51 | 15°13 | 5° 2 | 21°R 3 | 19°50 | 26°58 | 12°30 | T 6 |
| F 7 | 15 2 12 | 17°20'02 | 0♏46 | 29°44 | 11°32 | 28°10 | 7° 6 | 13° 8 | 24°50 | 15°12 | 5° 0 | 21° 3 | 19°47 | 27° 4 | 12°35 | F 7 |
| S 8 | 15 6 8 | 18°18'35 | 13° 4 | 1♑30 | 11°51 | 28°30 | 7°20 | 13°15 | 24°48 | 15°11 | 4°58 | 21° 1 | 19°43 | 27°11 | 12°39 | S 8 |
| S 9 | 15 10 5 | 19°17'06 | 25°13 | 3°18 | 12°13 | 28°51 | 7°34 | 13°23 | 24°47 | 15°11 | 4°57 | 20°58 | 19°40 | 27°18 | 12°43 | S 9 |
| M10 | 15 14 2 | 20°15'35 | 7♐15 | 5° 7 | 12°36 | 29°11 | 7°48 | 13°30 | 24°46 | 15°10 | 4°55 | 20°54 | 19°37 | 27°24 | 12°47 | M10 |
| T 11 | 15 17 58 | 21°14'02 | 19°12 | 6°58 | 13° 1 | 29°32 | 8° 2 | 13°37 | 24°45 | 15° 9 | 4°53 | 20°49 | 19°34 | 27°31 | 12°51 | T 11 |
| W12 | 15 21 55 | 22°12'28 | 1♑ 5 | 8°51 | 13°28 | 29°53 | 8°16 | 13°45 | 24°44 | 15° 8 | 4°52 | 20°43 | 19°31 | 27°38 | 12°55 | W12 |
| T 13 | 15 25 51 | 23°10'52 | 12°57 | 10°46 | 13°56 | 0♍15 | 8°30 | 13°52 | 24°43 | 15° 8 | 4°50 | 20°38 | 19°28 | 27°45 | 13° 0 | T 13 |
| F 14 | 15 29 48 | 24° 9'14 | 24°50 | 12°42 | 14°26 | 0°37 | 8°44 | 13°59 | 24°42 | 15° 7 | 4°49 | 20°33 | 19°24 | 27°51 | 13° 4 | F 14 |
| S 15 | 15 33 44 | 25° 7'35 | 6♒50 | 14°40 | 14°57 | 0°59 | 8°58 | 14° 7 | 24°41 | 15° 6 | 4°47 | 20°30 | 19°21 | 27°58 | 13° 8 | S 15 |
| S 16 | 15 37 41 | 26° 5'55 | 18°58 | 16°40 | 15°30 | 1°22 | 9°12 | 14°14 | 24°40 | 15° 5 | 4°46 | 20°28 | 19°18 | 28° 5 | 13°13 | S 16 |
| M17 | 15 41 38 | 27° 4'13 | 1♓21 | 18°41 | 16° 4 | 1°44 | 9°26 | 14°22 | 24°39 | 15° 4 | 4°44 | 20°D28 | 19°15 | 28°11 | 13°17 | M17 |
| T 18 | 15 45 34 | 28° 2'29 | 14° 2 | 20°44 | 16°39 | 2° 8 | 9°40 | 14°29 | 24°39 | 15° 3 | 4°42 | 20°29 | 19°12 | 28°18 | 13°21 | T 18 |
| W19 | 15 49 31 | 29° 0'44 | 27° 6 | 22°48 | 17°16 | 2°31 | 9°54 | 14°37 | 24°38 | 15° 2 | 4°41 | 20°31 | 19° 9 | 28°25 | 13°26 | W19 |
| T 20 | 15 53 27 | 29°58'57 | 10♈36 | 24°54 | 17°53 | 2°55 | 10° 8 | 14°44 | 24°37 | 15° 1 | 4°39 | 20°32 | 19° 5 | 28°32 | 13°30 | T 20 |
| F 21 | 15 57 24 | 0♊57'09 | 24°33 | 27° 1 | 18°32 | 3°18 | 10°22 | 14°52 | 24°37 | 15° 0 | 4°38 | 20°R32 | 19° 2 | 28°38 | 13°34 | F 21 |
| S 22 | 16 1 20 | 1°55'20 | 8♉56 | 29° 9 | 19°12 | 3°43 | 10°36 | 15° 0 | 24°36 | 14°59 | 4°37 | 20°31 | 18°59 | 28°45 | 13°39 | S 22 |
| S 23 | 16 5 17 | 2°53'29 | 23°43 | 1♊18 | 19°53 | 4° 7 | 10°51 | 15° 7 | 24°36 | 14°58 | 4°35 | 20°28 | 18°56 | 28°52 | 13°43 | S 23 |
| M24 | 16 9 13 | 3°51'37 | 8♊46 | 3°28 | 20°35 | 4°32 | 11° 5 | 15°15 | 24°35 | 14°57 | 4°34 | 20°23 | 18°53 | 28°58 | 13°47 | M24 |
| T 25 | 16 13 10 | 4°49'43 | 23°56 | 5°38 | 21°19 | 4°57 | 11°19 | 15°22 | 24°35 | 14°56 | 4°32 | 20°16 | 18°49 | 29° 5 | 13°52 | T 25 |
| W26 | 16 17 7 | 5°47'48 | 9♋ 3 | 7°49 | 22° 3 | 5°22 | 11°33 | 15°30 | 24°34 | 14°55 | 4°31 | 20° 9 | 18°46 | 29°12 | 13°56 | W26 |
| T 27 | 16 21 3 | 6°45'50 | 23°57 | 10° 0 | 22°47 | 5°48 | 11°47 | 15°38 | 24°34 | 14°53 | 4°29 | 20° 3 | 18°43 | 29°19 | 14° 1 | T 27 |
| F 28 | 16 25 0 | 7°43'51 | 8♌31 | 12°11 | 23°33 | 6°13 | 12° 2 | 15°45 | 24°34 | 14°52 | 4°28 | 19°58 | 18°40 | 29°25 | 14° 5 | F 28 |
| S 29 | 16 28 56 | 8°41'50 | 22°41 | 14°21 | 24°20 | 6°39 | 12°16 | 15°53 | 24°34 | 14°51 | 4°27 | 19°55 | 18°37 | 29°32 | 14°10 | S 29 |
| S 30 | 16 32 53 | 9°39'47 | 6♍25 | 16°30 | 25° 7 | 7° 6 | 12°30 | 16° 1 | 24°34 | 14°50 | 4°25 | 19°D54 | 18°34 | 29°39 | 14°14 | S 30 |
| M31 | 16 36 49 | 10♊37'43 | 19♍45 | 18♊39 | 25♈55 | 7♍32 | 12♊44 | 16♊ 9 | 24♍34 | 14♑49 | 4♏24 | 19♈54 | 18♈30 | 29♐45 | 14♊19 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n12 | 21n39 | 4n53 | 5n15 | 2s36 | 7n10 | 3n23 | 14n51 | 2n18 | 20n29 | 0s41 | 20n33 | 1s38 | 2n44 | 0n49 | 21s23 | 1n 4 | 3n31 | 17n39 | 8n 8 | 7n49 | 27s59 | 17n26 | 4s44 |
| S 2 | 15 30 | 16 44 | 4 18 | 5 53 | 2 34 | 7 0 | 3 10 | 14 43 | 2 16 | 20 31 | 0 41 | 20 34 | 1 37 | 2 45 | 0 48 | 21 23 | 1 4 | 3 31 | 17 39 | 8 9 | 7 48 | 27 59 | 17 27 | 4 44 |
| M 3 | 15 47 | 11 8 | 3 28 | 6 31 | 2 31 | 6 52 | 2 57 | 14 35 | 2 14 | 20 34 | 0 41 | 20 35 | 1 37 | 2 45 | 0 48 | 21 23 | 1 4 | 3 32 | 17 39 | 8 9 | 7 47 | 28 0 | 17 27 | 4 44 |
| T 4 | 16 5 | 5 9 | 2 29 | 7 10 | 2 29 | 6 45 | 2 44 | 14 27 | 2 12 | 20 36 | 0 41 | 20 36 | 1 37 | 2 46 | 0 48 | 21 23 | 1 4 | 3 32 | 17 39 | 8 10 | 7 45 | 28 0 | 17 28 | 4 44 |
| W 5 | 16 22 | 0s57 | 1 24 | 7 50 | 2 25 | 6 39 | 2 32 | 14 19 | 2 11 | 20 39 | 0 40 | 20 37 | 1 37 | 2 46 | 0 48 | 21 23 | 1 4 | 3 33 | 17 39 | 8 10 | 7 44 | 28 1 | 17 29 | 4 44 |
| T 6 | 16 39 | 6 54 | 0 15 | 8 30 | 2 21 | 6 34 | 2 19 | 14 10 | 2 9 | 20 41 | 0 40 | 20 38 | 1 37 | 2 47 | 0 48 | 21 23 | 1 4 | 3 33 | 17 39 | 8 10 | 7 43 | 28 1 | 17 29 | 4 44 |
| F 7 | 16 55 | 12 31 | 0s53 | 9 11 | 2 17 | 6 29 | 2 7 | 14 2 | 2 7 | 20 43 | 0 40 | 20 39 | 1 37 | 2 47 | 0 48 | 21 23 | 1 5 | 3 33 | 17 39 | 8 10 | 7 42 | 28 2 | 17 30 | 4 44 |
| S 8 | 17 11 | 17 33 | 1 58 | 9 52 | 2 12 | 6 26 | 1 55 | 13 54 | 2 5 | 20 46 | 0 40 | 20 41 | 1 37 | 2 48 | 0 48 | 21 23 | 1 5 | 3 34 | 17 38 | 8 10 | 7 41 | 28 2 | 17 30 | 4 44 |
| S 9 | 17 27 | 21 49 | 2 56 | 10 34 | 2 6 | 6 24 | 1 44 | 13 45 | 2 4 | 20 48 | 0 40 | 20 42 | 1 36 | 2 48 | 0 48 | 21 23 | 1 5 | 3 34 | 17 38 | 8 9 | 7 39 | 28 3 | 17 31 | 4 44 |
| M10 | 17 43 | 25 7 | 3 46 | 11 16 | 2 0 | 6 22 | 1 32 | 13 36 | 2 2 | 20 50 | 0 40 | 20 43 | 1 36 | 2 48 | 0 48 | 21 23 | 1 5 | 3 34 | 17 38 | 8 7 | 7 38 | 28 3 | 17 31 | 4 44 |
| T 11 | 17 58 | 27 18 | 4 26 | 11 58 | 1 54 | 6 22 | 1 21 | 13 27 | 2 0 | 20 53 | 0 40 | 20 44 | 1 36 | 2 49 | 0 48 | 21 23 | 1 5 | 3 35 | 17 38 | 8 5 | 7 37 | 28 4 | 17 32 | 4 44 |
| W12 | 18 14 | 28 12 | 4 53 | 12 41 | 1 47 | 6 22 | 1 11 | 13 18 | 1 58 | 20 55 | 0 40 | 20 45 | 1 36 | 2 49 | 0 48 | 21 23 | 1 5 | 3 35 | 17 38 | 8 3 | 7 36 | 28 4 | 17 33 | 4 44 |
| T 13 | 18 28 | 27 49 | 5 9 | 13 24 | 1 40 | 6 24 | 1 0 | 13 9 | 1 57 | 20 57 | 0 40 | 20 46 | 1 36 | 2 50 | 0 48 | 21 24 | 1 5 | 3 35 | 17 38 | 8 1 | 7 35 | 28 5 | 17 33 | 4 43 |
| F 14 | 18 43 | 26 8 | 5 11 | 14 7 | 1 32 | 6 26 | 0 50 | 13 0 | 1 55 | 21 0 | 0 39 | 20 46 | 1 36 | 2 50 | 0 48 | 21 24 | 1 5 | 3 36 | 17 38 | 7 59 | 7 33 | 28 5 | 17 34 | 4 43 |
| S 15 | 18 57 | 23 17 | 4 59 | 14 49 | 1 24 | 6 29 | 0 40 | 12 50 | 1 54 | 21 2 | 0 39 | 20 47 | 1 36 | 2 50 | 0 48 | 21 24 | 1 5 | 3 36 | 17 37 | 7 58 | 7 32 | 28 6 | 17 34 | 4 43 |
| S 16 | 19 11 | 19 24 | 4 34 | 15 32 | 1 15 | 6 32 | 0 30 | 12 41 | 1 52 | 21 4 | 0 39 | 20 48 | 1 36 | 2 50 | 0 48 | 21 24 | 1 5 | 3 36 | 17 37 | 7 57 | 7 31 | 28 6 | 17 35 | 4 43 |
| M17 | 19 24 | 14 37 | 3 56 | 16 14 | 1 6 | 6 37 | 0 21 | 12 31 | 1 50 | 21 6 | 0 39 | 20 49 | 1 36 | 2 51 | 0 48 | 21 24 | 1 5 | 3 37 | 17 37 | 7 57 | 7 30 | 28 6 | 17 35 | 4 43 |
| T 18 | 19 37 | 9 6 | 3 5 | 16 56 | 0 57 | 6 42 | 0 12 | 12 21 | 1 49 | 21 8 | 0 39 | 20 50 | 1 35 | 2 51 | 0 48 | 21 24 | 1 5 | 3 37 | 17 37 | 7 58 | 7 29 | 28 7 | 17 36 | 4 43 |
| W19 | 19 50 | 3 3 | 2 4 | 17 37 | 0 47 | 6 47 | 0 3 | 12 12 | 1 47 | 21 11 | 0 39 | 20 51 | 1 35 | 2 51 | 0 48 | 21 24 | 1 5 | 3 37 | 17 36 | 7 58 | 7 27 | 28 7 | 17 36 | 4 43 |
| T 20 | 20 3 | 3n21 | 0 54 | 18 17 | 0 37 | 6 54 | 0s 6 | 12 2 | 1 46 | 21 13 | 0 39 | 20 52 | 1 35 | 2 51 | 0 48 | 21 24 | 1 5 | 3 37 | 17 36 | 7 59 | 7 26 | 28 8 | 17 37 | 4 43 |
| F 21 | 20 15 | 9 48 | 0n22 | 18 57 | 0 27 | 7 1 | 0 14 | 11 52 | 1 44 | 21 15 | 0 39 | 20 53 | 1 35 | 2 52 | 0 48 | 21 24 | 1 5 | 3 38 | 17 36 | 7 59 | 7 25 | 28 8 | 17 37 | 4 43 |
| S 22 | 20 26 | 15 57 | 1 38 | 19 35 | 0 17 | 7 9 | 0 22 | 11 41 | 1 43 | 21 17 | 0 39 | 20 54 | 1 35 | 2 52 | 0 48 | 21 24 | 1 5 | 3 38 | 17 36 | 7 58 | 7 24 | 28 8 | 17 38 | 4 43 |
| S 23 | 20 38 | 21 21 | 2 50 | 20 12 | 0 6 | 7 17 | 0 30 | 11 31 | 1 41 | 21 19 | 0 39 | 20 55 | 1 35 | 2 52 | 0 48 | 21 24 | 1 5 | 3 38 | 17 35 | 7 57 | 7 23 | 28 9 | 17 38 | 4 43 |
| M24 | 20 49 | 25 27 | 3 51 | 20 48 | 0n 4 | 7 26 | 0 37 | 11 21 | 1 40 | 21 21 | 0 38 | 20 56 | 1 35 | 2 52 | 0 48 | 21 24 | 1 5 | 3 38 | 17 35 | 7 55 | 7 21 | 28 9 | 17 39 | 4 43 |
| T 25 | 20 59 | 27 47 | 4 36 | 21 22 | 0 15 | 7 35 | 0 44 | 11 10 | 1 38 | 21 23 | 0 38 | 20 57 | 1 35 | 2 52 | 0 48 | 21 25 | 1 5 | 3 38 | 17 35 | 7 53 | 7 20 | 28 9 | 17 39 | 4 43 |
| W26 | 21 10 | 28 2 | 5 2 | 21 55 | 0 25 | 7 45 | 0 51 | 11 0 | 1 37 | 21 25 | 0 38 | 20 58 | 1 35 | 2 52 | 0 48 | 21 25 | 1 5 | 3 38 | 17 34 | 7 50 | 7 19 | 28 10 | 17 40 | 4 43 |
| T 27 | 21 20 | 26 15 | 5 7 | 22 25 | 0 35 | 7 55 | 0 58 | 10 49 | 1 35 | 21 27 | 0 38 | 20 59 | 1 35 | 2 52 | 0 47 | 21 25 | 1 5 | 3 39 | 17 34 | 7 48 | 7 18 | 28 10 | 17 40 | 4 43 |
| F 28 | 21 29 | 22 44 | 4 52 | 22 53 | 0 45 | 8 6 | 1 5 | 10 38 | 1 34 | 21 29 | 0 38 | 21 0 | 1 34 | 2 52 | 0 47 | 21 25 | 1 5 | 3 39 | 17 34 | 7 46 | 7 17 | 28 10 | 17 41 | 4 44 |
| S 29 | 21 38 | 17 58 | 4 19 | 23 19 | 0 55 | 8 17 | 1 11 | 10 27 | 1 32 | 21 31 | 0 38 | 21 0 | 1 34 | 2 52 | 0 47 | 21 25 | 1 5 | 3 39 | 17 34 | 7 45 | 7 15 | 28 11 | 17 41 | 4 44 |
| S 30 | 21 47 | 12 24 | 3 32 | 23 42 | 1 5 | 8 29 | 1 17 | 10 16 | 1 31 | 21 33 | 0 38 | 21 1 | 1 34 | 2 52 | 0 47 | 21 25 | 1 5 | 3 39 | 17 33 | 7 45 | 7 14 | 28 11 | 17 42 | 4 44 |
| M31 | 21n55 | 6n25 | 2n35 | 24n 3 | 1n14 | 8n40 | 1s23 | 10n 5 | 1n30 | 21n35 | 0s38 | 21n 2 | 1s34 | 2n52 | 0n47 | 21s25 | 1n 5 | 3n39 | 17n33 | 7n45 | 7n13 | 28s11 | 17n42 | 4s44 |

Julian Day Number = 2807046.5, Delta T = 52m01s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'54, Lahiri = 37°28'55


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# ASTRODIENST EPHEMERIS for the year 2973
# geocentric

## JUNE 2973 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 40 46 | 11♊35'36 | 2♎43 | 20♊46 | 26♈44 | 7♍59 | 12♊58 | 16♊16 | 24°D34 | 14°R47 | 4°R23 | 19♈55 | 18♈27 | 29♐52 | 14♊23 | T 1 |
| W 2 | 16 44 42 | 12°33'28 | 15°23 | 22°51 | 27°34 | 8°25 | 13°13 | 16°24 | 24♍34 | 14♉46 | 4♏22 | 19°R56 | 18°24 | 29°59 | 14°27 | W 2 |
| T 3 | 16 48 39 | 13°31'19 | 27°48 | 24°55 | 28°24 | 8°53 | 13°27 | 16°32 | 24°34 | 14°45 | 4°20 | 19°56 | 18°21 | 0♑ 6 | 14°32 | T 3 |
| F 4 | 16 52 36 | 14°29'07 | 10♏ 1 | 26°57 | 29°15 | 9°20 | 13°41 | 16°39 | 24°34 | 14°43 | 4°19 | 19°54 | 18°18 | 0°12 | 14°36 | F 4 |
| S 5 | 16 56 32 | 15°26'55 | 22° 7 | 28°56 | 0♉ 7 | 9°47 | 13°55 | 16°47 | 24°34 | 14°42 | 4°18 | 19°49 | 18°15 | 0°19 | 14°41 | S 5 |
| S 6 | 17 0 29 | 16°24'41 | 4♐ 6 | 0♋53 | 0°59 | 10°15 | 14° 9 | 16°55 | 24°34 | 14°41 | 4°17 | 19°43 | 18°11 | 0°26 | 14°45 | S 6 |
| M 7 | 17 4 25 | 17°22'25 | 16° 2 | 2°48 | 1°52 | 10°43 | 14°23 | 17° 3 | 24°35 | 14°39 | 4°16 | 19°34 | 18° 8 | 0°33 | 14°50 | M 7 |
| T 8 | 17 8 22 | 18°20'08 | 27°55 | 4°40 | 2°45 | 11°11 | 14°38 | 17°10 | 24°35 | 14°38 | 4°15 | 19°23 | 18° 5 | 0°39 | 14°54 | T 8 |
| W 9 | 17 12 18 | 19°17'50 | 9♑47 | 6°29 | 3°39 | 11°39 | 14°52 | 17°18 | 24°35 | 14°36 | 4°14 | 19°12 | 18° 2 | 0°46 | 14°59 | W 9 |
| T 10 | 17 16 15 | 20°15'31 | 21°40 | 8°15 | 4°34 | 12° 7 | 15° 6 | 17°26 | 24°36 | 14°35 | 4°13 | 19° 1 | 17°59 | 0°53 | 15° 3 | T 10 |
| F 11 | 17 20 11 | 21°13'11 | 3♒36 | 9°59 | 5°29 | 12°36 | 15°20 | 17°33 | 24°36 | 14°34 | 4°12 | 18°51 | 17°55 | 0°59 | 15° 8 | F 11 |
| S 12 | 17 24 8 | 22°10'50 | 15°38 | 11°39 | 6°24 | 13° 5 | 15°34 | 17°41 | 24°37 | 14°32 | 4°11 | 18°43 | 17°52 | 1° 6 | 15°12 | S 12 |
| S 13 | 17 28 5 | 23° 8'28 | 27°47 | 13°17 | 7°20 | 13°34 | 15°48 | 17°49 | 24°38 | 14°31 | 4°10 | 18°38 | 17°49 | 1°13 | 15°17 | S 13 |
| M14 | 17 32 1 | 24° 6'04 | 10♓ 9 | 14°51 | 8°17 | 14° 3 | 16° 2 | 17°57 | 24°38 | 14°29 | 4° 9 | 18°35 | 17°46 | 1°20 | 15°21 | M14 |
| T 15 | 17 35 58 | 25° 3'40 | 22°47 | 16°23 | 9°14 | 14°32 | 16°17 | 18° 4 | 24°39 | 14°28 | 4° 8 | 18°D34 | 17°43 | 1°26 | 15°25 | T 15 |
| W16 | 17 39 54 | 26° 1'15 | 5♈45 | 17°51 | 10°11 | 15° 2 | 16°31 | 18°12 | 24°40 | 14°26 | 4° 7 | 18°34 | 17°40 | 1°33 | 15°30 | W16 |
| T 17 | 17 43 51 | 26°58'50 | 19° 8 | 19°17 | 11° 9 | 15°31 | 16°45 | 18°20 | 24°41 | 14°25 | 4° 6 | 18°R34 | 17°36 | 1°40 | 15°34 | T 17 |
| F 18 | 17 47 47 | 27°56'23 | 2♉58 | 20°39 | 12° 7 | 16° 1 | 16°59 | 18°27 | 24°42 | 14°23 | 4° 5 | 18°34 | 17°33 | 1°46 | 15°39 | F 18 |
| S 19 | 17 51 44 | 28°53'56 | 17°17 | 21°58 | 13° 5 | 16°31 | 17°13 | 18°35 | 24°43 | 14°22 | 4° 4 | 18°31 | 17°30 | 1°53 | 15°43 | S 19 |
| S 20 | 17 55 40 | 29°51'29 | 2♊ 2 | 23°14 | 14° 4 | 17° 1 | 17°27 | 18°43 | 24°44 | 14°20 | 4° 4 | 18°26 | 17°27 | 2° 0 | 15°47 | S 20 |
| M21 | 17 59 37 | 0♋49'00 | 17° 7 | 24°27 | 15° 4 | 17°31 | 17°41 | 18°50 | 24°45 | 14°18 | 4° 3 | 18°18 | 17°24 | 2° 7 | 15°52 | M21 |
| T 22 | 18 3 34 | 1°46'31 | 2♋25 | 25°36 | 16° 3 | 18° 2 | 17°55 | 18°58 | 24°46 | 14°17 | 4° 2 | 18° 8 | 17°21 | 2°13 | 15°56 | T 22 |
| W23 | 18 7 30 | 2°44'01 | 17°43 | 26°42 | 17° 3 | 18°32 | 18° 9 | 19° 6 | 24°47 | 14°15 | 4° 1 | 17°58 | 17°17 | 2°20 | 16° 1 | W23 |
| T 24 | 18 11 27 | 3°41'30 | 2♌50 | 27°44 | 18° 3 | 19° 3 | 18°23 | 19°13 | 24°48 | 14°14 | 4° 1 | 17°48 | 17°14 | 2°27 | 16° 5 | T 24 |
| F 25 | 18 15 23 | 4°38'57 | 17°37 | 28°43 | 19° 4 | 19°34 | 18°37 | 19°21 | 24°49 | 14°12 | 4° 0 | 17°40 | 17°11 | 2°33 | 16° 9 | F 25 |
| S 26 | 18 19 20 | 5°36'24 | 1♍58 | 29°38 | 20° 5 | 20° 5 | 18°50 | 19°28 | 24°51 | 14°11 | 4° 0 | 17°34 | 17° 8 | 2°40 | 16°14 | S 26 |
| S 27 | 18 23 16 | 6°33'50 | 15°50 | 0♌30 | 21° 6 | 20°36 | 19° 4 | 19°36 | 24°52 | 14° 9 | 3°59 | 17°31 | 17° 5 | 2°47 | 16°18 | S 27 |
| M28 | 18 27 13 | 7°31'14 | 29°13 | 1°18 | 22° 7 | 21° 7 | 19°18 | 19°43 | 24°53 | 14° 7 | 3°59 | 17°29 | 17° 1 | 2°54 | 16°22 | M28 |
| T 29 | 18 31 10 | 8°28'38 | 12♎11 | 2° 2 | 23° 9 | 21°39 | 19°32 | 19°51 | 24°55 | 14° 6 | 3°58 | 17°29 | 16°58 | 3° 0 | 16°26 | T 29 |
| W30 | 18 35 6 | 9♋26'00 | 24♎47 | 2♌42 | 24♉11 | 22♍10 | 19♊46 | 19♊58 | 24♍56 | 14♑ 4 | 3♏58 | 17♈29 | 16♈55 | 3♑ 7 | 16♊31 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n 3 | 0n19 | 1n31 | 24n22 | 1n22 | 8n53 | 1s29 | 9n54 | 1n28 | 21n37 | 0s38 | 21n 3 | 1s34 | 2n52 | 0n47 | 21s25 | 1n 5 | 3n39 | 17n32 | 7n45 | 7n12 | 28s12 | 17n43 | 4s44 |
| W 2 | 22 11 | 5s39 | 0 25 | 24 37 | 1 30 | 9 5 | 1 34 | 9 43 | 1 27 | 21 39 | 0 38 | 21 4 | 1 34 | 2 52 | 0 47 | 21 26 | 1 5 | 3 39 | 17 32 | 7 45 | 7 11 | 28 12 | 17 43 | 4 44 |
| T 3 | 22 18 | 11 17 | 0s42 | 24 50 | 1 37 | 9 18 | 1 39 | 9 31 | 1 26 | 21 40 | 0 38 | 21 5 | 1 34 | 2 52 | 0 47 | 21 26 | 1 5 | 3 39 | 17 32 | 7 45 | 7 9 | 28 12 | 17 43 | 4 44 |
| F 4 | 22 25 | 16 25 | 1 46 | 25 1 | 1 44 | 9 32 | 1 44 | 9 20 | 1 24 | 21 42 | 0 38 | 21 6 | 1 34 | 2 52 | 0 47 | 21 26 | 1 5 | 3 39 | 17 31 | 7 45 | 7 8 | 28 12 | 17 44 | 4 44 |
| S 5 | 22 32 | 20 50 | 2 43 | 25 8 | 1 50 | 9 45 | 1 49 | 9 8 | 1 23 | 21 44 | 0 37 | 21 6 | 1 34 | 2 52 | 0 47 | 21 26 | 1 5 | 3 39 | 17 31 | 7 43 | 7 7 | 28 13 | 17 44 | 4 44 |
| S 6 | 22 38 | 24 21 | 3 33 | 25 14 | 1 55 | 9 59 | 1 53 | 8 57 | 1 22 | 21 46 | 0 37 | 21 7 | 1 34 | 2 52 | 0 47 | 21 26 | 1 5 | 3 39 | 17 31 | 7 40 | 7 6 | 28 13 | 17 45 | 4 44 |
| M 7 | 22 43 | 26 47 | 4 14 | 25 17 | 1 59 | 10 13 | 1 58 | 8 45 | 1 20 | 21 47 | 0 37 | 21 8 | 1 34 | 2 52 | 0 47 | 21 26 | 1 5 | 3 39 | 17 30 | 7 37 | 7 5 | 28 13 | 17 45 | 4 44 |
| T 8 | 22 48 | 28 0 | 4 43 | 25 17 | 2 3 | 10 27 | 2 2 | 8 33 | 1 19 | 21 49 | 0 37 | 21 9 | 1 34 | 2 52 | 0 47 | 21 26 | 1 5 | 3 39 | 17 30 | 7 33 | 7 3 | 28 13 | 17 45 | 4 44 |
| W 9 | 22 53 | 27 56 | 4 59 | 25 15 | 2 6 | 10 42 | 2 6 | 8 21 | 1 18 | 21 51 | 0 37 | 21 10 | 1 34 | 2 51 | 0 47 | 21 27 | 1 5 | 3 39 | 17 29 | 7 29 | 7 2 | 28 14 | 17 46 | 4 44 |
| T 10 | 22 58 | 26 34 | 5 3 | 25 11 | 2 8 | 10 56 | 2 10 | 8 10 | 1 17 | 21 52 | 0 37 | 21 10 | 1 34 | 2 51 | 0 47 | 21 27 | 1 5 | 3 39 | 17 29 | 7 24 | 7 1 | 28 14 | 17 46 | 4 44 |
| F 11 | 23 2 | 24 0 | 4 53 | 25 5 | 2 9 | 11 11 | 2 13 | 7 57 | 1 15 | 21 54 | 0 37 | 21 11 | 1 34 | 2 51 | 0 47 | 21 27 | 1 5 | 3 39 | 17 29 | 7 21 | 7 0 | 28 14 | 17 47 | 4 45 |
| S 12 | 23 5 | 20 23 | 4 31 | 24 58 | 2 10 | 11 26 | 2 16 | 7 45 | 1 14 | 21 56 | 0 37 | 21 12 | 1 33 | 2 51 | 0 47 | 21 27 | 1 5 | 3 39 | 17 28 | 7 18 | 6 59 | 28 14 | 17 47 | 4 45 |
| S 13 | 23 8 | 15 52 | 3 56 | 24 48 | 2 9 | 11 41 | 2 20 | 7 33 | 1 13 | 21 57 | 0 37 | 21 13 | 1 33 | 2 50 | 0 47 | 21 27 | 1 5 | 3 39 | 17 28 | 7 16 | 6 57 | 28 14 | 17 47 | 4 45 |
| M14 | 23 11 | 10 39 | 3 9 | 24 37 | 2 8 | 11 56 | 2 23 | 7 21 | 1 12 | 21 59 | 0 37 | 21 13 | 1 33 | 2 50 | 0 47 | 21 27 | 1 5 | 3 38 | 17 27 | 7 15 | 6 56 | 28 15 | 17 48 | 4 45 |
| T 15 | 23 13 | 4 53 | 2 13 | 24 24 | 2 6 | 12 12 | 2 25 | 7 9 | 1 10 | 22 0 | 0 37 | 21 14 | 1 33 | 2 50 | 0 47 | 21 27 | 1 5 | 3 38 | 17 27 | 7 14 | 6 55 | 28 15 | 17 48 | 4 45 |
| W16 | 23 15 | 1n14 | 1 8 | 24 10 | 2 3 | 12 27 | 2 28 | 6 56 | 1 9 | 22 2 | 0 37 | 21 15 | 1 33 | 2 49 | 0 47 | 21 28 | 1 5 | 3 38 | 17 26 | 7 14 | 6 54 | 28 15 | 17 48 | 4 45 |
| T 17 | 23 17 | 7 30 | 0n 3 | 23 54 | 1 59 | 12 42 | 2 31 | 6 44 | 1 8 | 22 3 | 0 37 | 21 15 | 1 33 | 2 49 | 0 47 | 21 28 | 1 5 | 3 38 | 17 26 | 7 15 | 6 53 | 28 15 | 17 49 | 4 45 |
| F 18 | 23 18 | 13 38 | 1 16 | 23 38 | 1 55 | 12 58 | 2 33 | 6 31 | 1 7 | 22 5 | 0 37 | 21 16 | 1 33 | 2 49 | 0 47 | 21 28 | 1 5 | 3 38 | 17 25 | 7 14 | 6 51 | 28 15 | 17 49 | 4 45 |
| S 19 | 23 19 | 19 14 | 2 26 | 23 20 | 1 50 | 13 13 | 2 35 | 6 18 | 1 6 | 22 6 | 0 37 | 21 17 | 1 33 | 2 48 | 0 46 | 21 28 | 1 5 | 3 38 | 17 25 | 7 13 | 6 50 | 28 15 | 17 49 | 4 45 |
| S 20 | 23 19 | 23 52 | 3 29 | 23 2 | 1 44 | 13 29 | 2 37 | 6 6 | 1 5 | 22 7 | 0 36 | 21 17 | 1 33 | 2 48 | 0 46 | 21 28 | 1 5 | 3 37 | 17 24 | 7 11 | 6 49 | 28 16 | 17 50 | 4 46 |
| M21 | 23 19 | 26 59 | 4 18 | 22 43 | 1 37 | 13 44 | 2 39 | 5 53 | 1 3 | 22 9 | 0 36 | 21 18 | 1 33 | 2 47 | 0 46 | 21 28 | 1 5 | 3 37 | 17 24 | 7 8 | 6 48 | 28 16 | 17 50 | 4 46 |
| T 22 | 23 18 | 28 8 | 4 50 | 22 23 | 1 29 | 14 0 | 2 40 | 5 40 | 1 2 | 22 10 | 0 36 | 21 19 | 1 33 | 2 47 | 0 46 | 21 29 | 1 5 | 3 37 | 17 23 | 7 5 | 6 47 | 28 16 | 17 50 | 4 46 |
| W23 | 23 17 | 27 8 | 5 1 | 22 2 | 1 21 | 14 15 | 2 42 | 5 27 | 1 1 | 22 11 | 0 36 | 21 19 | 1 33 | 2 46 | 0 46 | 21 29 | 1 5 | 3 37 | 17 23 | 7 1 | 6 45 | 28 16 | 17 51 | 4 46 |
| T 24 | 23 16 | 24 9 | 4 51 | 21 41 | 1 12 | 14 30 | 2 43 | 5 14 | 1 0 | 22 13 | 0 36 | 21 20 | 1 33 | 2 46 | 0 46 | 21 29 | 1 5 | 3 36 | 17 22 | 6 57 | 6 44 | 28 16 | 17 51 | 4 46 |
| F 25 | 23 14 | 19 37 | 4 22 | 21 20 | 1 2 | 14 46 | 2 44 | 5 1 | 0 59 | 22 14 | 0 36 | 21 21 | 1 33 | 2 45 | 0 46 | 21 29 | 1 5 | 3 36 | 17 22 | 6 54 | 6 43 | 28 16 | 17 51 | 4 46 |
| S 26 | 23 12 | 14 5 | 3 36 | 20 58 | 0 52 | 15 1 | 2 45 | 4 48 | 0 58 | 22 15 | 0 36 | 21 21 | 1 33 | 2 45 | 0 46 | 21 29 | 1 5 | 3 36 | 17 21 | 6 52 | 6 42 | 28 16 | 17 51 | 4 47 |
| S 27 | 23 9 | 8 0 | 2 39 | 20 36 | 0 41 | 15 16 | 2 46 | 4 35 | 0 57 | 22 16 | 0 36 | 21 22 | 1 33 | 2 44 | 0 46 | 21 29 | 1 5 | 3 36 | 17 21 | 6 50 | 6 40 | 28 16 | 17 52 | 4 47 |
| M28 | 23 6 | 1 46 | 1 35 | 20 14 | 0 29 | 15 31 | 2 47 | 4 21 | 0 56 | 22 17 | 0 36 | 21 23 | 1 33 | 2 44 | 0 46 | 21 30 | 1 5 | 3 35 | 17 20 | 6 50 | 6 39 | 28 16 | 17 52 | 4 47 |
| T 29 | 23 3 | 4s22 | 0 28 | 19 53 | 0 17 | 15 45 | 2 48 | 4 8 | 0 55 | 22 18 | 0 36 | 21 23 | 1 33 | 2 43 | 0 46 | 21 30 | 1 5 | 3 35 | 17 20 | 6 50 | 6 38 | 28 16 | 17 52 | 4 47 |
| W30 | 22n59 | 10s 9 | 0s38 | 19n31 | 0n 4 | 16n 0 | 2s48 | 3n55 | 0n54 | 22n20 | 0s36 | 21n24 | 1s33 | 2n42 | 0n46 | 21s30 | 1n 5 | 3n35 | 17n19 | 6n50 | 6n37 | 28s17 | 17n52 | 4s47 |

Julian Day Number = 2807077.5, Delta T = 52m01s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°21'59, Lahiri = 37°28'59


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# ASTRODIENST EPHEMERIS for the year 2973
# geocentric

## JULY 2973 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 39 3 | 10♋23'22 | 7♏ 6 | 3♌18 | 25♉13 | 22♍42 | 19♊59 | 20♊ 6 | 24♍58 | 14°R 3 | 3°R57 | 17°R28 | 16♈52 | 3♂14 | 16♊35 | T 1 |
| F 2 | 18 42 59 | 11°20'43 | 19°13 | 3°49 | 26°16 | 23°14 | 20°13 | 20°13 | 25° 0 | 14♂ 1 | 3♏57 | 17♈25 | 16°49 | 3°20 | 16°39 | F 2 |
| S 3 | 18 46 56 | 12°18'03 | 1♐11 | 4°17 | 27°19 | 23°46 | 20°27 | 20°20 | 25° 1 | 13°59 | 3°56 | 17°19 | 16°46 | 3°27 | 16°43 | S 3 |
| S 4 | 18 50 52 | 13°15'22 | 13° 5 | 4°40 | 28°22 | 24°18 | 20°40 | 20°28 | 25° 3 | 13°58 | 3°56 | 17°10 | 16°42 | 3°34 | 16°47 | S 4 |
| M 5 | 18 54 49 | 14°12'41 | 24°57 | 4°58 | 29°25 | 24°50 | 20°54 | 20°35 | 25° 5 | 13°56 | 3°56 | 16°59 | 16°39 | 3°41 | 16°51 | M 5 |
| T 6 | 18 58 45 | 15° 9'59 | 6♑49 | 5°12 | 0♊28 | 25°22 | 21° 7 | 20°42 | 25° 6 | 13°54 | 3°55 | 16°46 | 16°36 | 3°47 | 16°56 | T 6 |
| W 7 | 19 2 42 | 16° 7'17 | 18°43 | 5°22 | 1°32 | 25°55 | 21°21 | 20°50 | 25° 8 | 13°53 | 3°55 | 16°32 | 16°33 | 3°54 | 17° 0 | W 7 |
| T 8 | 19 6 39 | 17° 4'34 | 0♒41 | 5°27 | 2°36 | 26°27 | 21°34 | 20°57 | 25°10 | 13°51 | 3°55 | 16°19 | 16°30 | 4° 1 | 17° 4 | T 8 |
| F 9 | 19 10 35 | 18° 1'51 | 12°42 | 5°R27 | 3°40 | 27° 0 | 21°48 | 21° 4 | 25°12 | 13°50 | 3°55 | 16° 7 | 16°27 | 4° 8 | 17° 8 | F 9 |
| S 10 | 19 14 32 | 18°59'07 | 24°50 | 5°23 | 4°44 | 27°32 | 22° 1 | 21°11 | 25°14 | 13°48 | 3°55 | 15°57 | 16°23 | 4°14 | 17°12 | S 10 |
| S 11 | 19 18 28 | 19°56'23 | 7♓ 6 | 5°14 | 5°49 | 28° 5 | 22°14 | 21°18 | 25°16 | 13°46 | 3°55 | 15°50 | 16°20 | 4°21 | 17°16 | S 11 |
| M12 | 19 22 25 | 20°53'39 | 19°33 | 5° 1 | 6°53 | 28°38 | 22°28 | 21°25 | 25°18 | 13°45 | 3°55 | 15°45 | 16°17 | 4°28 | 17°20 | M12 |
| T 13 | 19 26 21 | 21°50'55 | 2♈13 | 4°44 | 7°58 | 29°11 | 22°41 | 21°32 | 25°20 | 13°43 | 3°55 | 15°43 | 16°14 | 4°34 | 17°24 | T 13 |
| W14 | 19 30 18 | 22°48'11 | 15°11 | 4°23 | 9° 3 | 29°45 | 22°54 | 21°39 | 25°22 | 13°42 | 3°D55 | 15°43 | 16°11 | 4°41 | 17°27 | W14 |
| T 15 | 19 34 14 | 23°45'27 | 28°30 | 3°59 | 10° 9 | 0♎18 | 23° 7 | 21°46 | 25°25 | 13°40 | 3°55 | 15°43 | 16° 7 | 4°48 | 17°31 | T 15 |
| F 16 | 19 38 11 | 24°42'44 | 12♉12 | 3°31 | 11°14 | 0°51 | 23°20 | 21°53 | 25°27 | 13°38 | 3°55 | 15°42 | 16° 4 | 4°55 | 17°35 | F 16 |
| S 17 | 19 42 8 | 25°40'00 | 26°20 | 3° 0 | 12°20 | 1°25 | 23°33 | 22° 0 | 25°29 | 13°37 | 3°55 | 15°39 | 16° 1 | 5° 1 | 17°39 | S 17 |
| S 18 | 19 46 4 | 26°37'17 | 10♊54 | 2°26 | 13°25 | 1°59 | 23°46 | 22° 7 | 25°32 | 13°35 | 3°55 | 15°34 | 15°58 | 5° 8 | 17°43 | S 18 |
| M19 | 19 50 1 | 27°34'33 | 25°48 | 1°51 | 14°31 | 2°33 | 23°59 | 22°14 | 25°34 | 13°34 | 3°55 | 15°27 | 15°55 | 5°15 | 17°46 | M19 |
| T 20 | 19 53 57 | 28°31'50 | 10♋56 | 1°15 | 15°38 | 3° 6 | 24°12 | 22°21 | 25°36 | 13°32 | 3°55 | 15°17 | 15°52 | 5°21 | 17°50 | T 20 |
| W21 | 19 57 54 | 29°29'07 | 26° 9 | 0°37 | 16°44 | 3°40 | 24°25 | 22°28 | 25°39 | 13°31 | 3°55 | 15° 7 | 15°48 | 5°28 | 17°54 | W21 |
| T 22 | 20 1 50 | 0♌26'24 | 11♌15 | 0° 0 | 17°50 | 4°14 | 24°37 | 22°34 | 25°41 | 13°29 | 3°56 | 14°57 | 15°45 | 5°35 | 17°57 | T 22 |
| F 23 | 20 5 47 | 1°23'41 | 26° 5 | 29♋23 | 18°57 | 4°49 | 24°50 | 22°41 | 25°44 | 13°27 | 3°56 | 14°48 | 15°42 | 5°42 | 18° 1 | F 23 |
| S 24 | 20 9 44 | 2°20'58 | 10♍30 | 28°48 | 20° 3 | 5°23 | 25° 3 | 22°47 | 25°46 | 13°26 | 3°56 | 14°42 | 15°39 | 5°48 | 18° 4 | S 24 |
| S 25 | 20 13 40 | 3°18'14 | 24°28 | 28°14 | 21°10 | 5°57 | 25°15 | 22°54 | 25°49 | 13°24 | 3°57 | 14°38 | 15°36 | 5°55 | 18° 8 | S 25 |
| M26 | 20 17 37 | 4°15'30 | 7♎57 | 27°43 | 22°17 | 6°32 | 25°28 | 23° 0 | 25°52 | 13°23 | 3°57 | 14°37 | 15°33 | 6° 2 | 18°11 | M26 |
| T 27 | 20 21 33 | 5°12'47 | 20°58 | 27°14 | 23°24 | 7° 7 | 25°40 | 23° 7 | 25°54 | 13°21 | 3°58 | 14°D37 | 15°29 | 6° 9 | 18°15 | T 27 |
| W28 | 20 25 30 | 6°10'03 | 3♏37 | 26°50 | 24°32 | 7°41 | 25°52 | 23°13 | 25°57 | 13°20 | 3°58 | 14°R37 | 15°26 | 6°15 | 18°18 | W28 |
| T 29 | 20 29 26 | 7° 7'19 | 15°56 | 26°29 | 25°39 | 8°16 | 26° 5 | 23°20 | 26° 0 | 13°19 | 3°59 | 14°37 | 15°23 | 6°22 | 18°22 | T 29 |
| F 30 | 20 33 23 | 8° 4'35 | 28° 2 | 26°12 | 26°46 | 8°51 | 26°17 | 23°26 | 26° 3 | 13°17 | 3°59 | 14°35 | 15°20 | 6°29 | 18°25 | F 30 |
| S 31 | 20 37 19 | 9♌ 1'51 | 9♐59 | 26♋ 0 | 27♊54 | 9♎26 | 26♊29 | 23♊32 | 26♍ 5 | 13♑16 | 4♏ 0 | 14♈31 | 15♈17 | 6♑35 | 18♊28 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n55 | 15s25 | 1s42 | 19n10 | 0s10 | 16n15 | 2s48 | 3n41 | 0n52 | 22n21 | 0s36 | 21n24 | 1s33 | 2n42 | 0n46 | 21s30 | 1n 5 | 3n34 | 17n19 | 6n49 | 6n36 | 28s17 | 17n53 | 4s47 |
| F 2 | 22 50 | 19 59 | 2 39 | 18 49 | 0 24 | 16 29 | 2 49 | 3 28 | 0 51 | 22 22 | 0 36 | 21 25 | 1 33 | 2 41 | 0 46 | 21 30 | 1 5 | 3 34 | 17 18 | 6 48 | 6 34 | 28 17 | 17 53 | 4 48 |
| S 3 | 22 45 | 23 42 | 3 29 | 18 28 | 0 39 | 16 43 | 2 49 | 3 14 | 0 50 | 22 23 | 0 36 | 21 25 | 1 33 | 2 40 | 0 46 | 21 30 | 1 5 | 3 33 | 17 18 | 6 46 | 6 33 | 28 17 | 17 53 | 4 48 |
| S 4 | 22 40 | 26 22 | 4 9 | 18 8 | 0 54 | 16 57 | 2 49 | 3 1 | 0 49 | 22 24 | 0 36 | 21 26 | 1 33 | 2 40 | 0 46 | 21 31 | 1 5 | 3 33 | 17 17 | 6 43 | 6 32 | 28 17 | 17 53 | 4 48 |
| M 5 | 22 34 | 27 51 | 4 38 | 17 48 | 1 9 | 17 11 | 2 49 | 2 47 | 0 48 | 22 25 | 0 36 | 21 26 | 1 33 | 2 39 | 0 46 | 21 31 | 1 5 | 3 33 | 17 17 | 6 38 | 6 31 | 28 17 | 17 53 | 4 48 |
| T 6 | 22 27 | 28 3 | 4 55 | 17 30 | 1 25 | 17 24 | 2 48 | 2 33 | 0 47 | 22 26 | 0 36 | 21 27 | 1 33 | 2 38 | 0 46 | 21 31 | 1 5 | 3 32 | 17 16 | 6 33 | 6 30 | 28 17 | 17 53 | 4 48 |
| W 7 | 22 21 | 26 57 | 4 59 | 17 12 | 1 41 | 17 37 | 2 48 | 2 20 | 0 46 | 22 27 | 0 36 | 21 27 | 1 33 | 2 37 | 0 46 | 21 31 | 1 5 | 3 32 | 17 15 | 6 28 | 6 28 | 28 17 | 17 54 | 4 49 |
| T 8 | 22 14 | 24 37 | 4 50 | 16 55 | 1 57 | 17 50 | 2 47 | 2 6 | 0 45 | 22 27 | 0 36 | 21 28 | 1 33 | 2 37 | 0 46 | 21 31 | 1 5 | 3 31 | 17 15 | 6 23 | 6 27 | 28 17 | 17 54 | 4 49 |
| F 9 | 22 6 | 21 12 | 4 28 | 16 39 | 2 13 | 18 3 | 2 47 | 1 52 | 0 44 | 22 28 | 0 35 | 21 28 | 1 33 | 2 36 | 0 46 | 21 31 | 1 5 | 3 31 | 17 14 | 6 18 | 6 26 | 28 17 | 17 54 | 4 49 |
| S 10 | 21 59 | 16 51 | 3 54 | 16 24 | 2 29 | 18 15 | 2 46 | 1 38 | 0 43 | 22 29 | 0 35 | 21 29 | 1 33 | 2 35 | 0 46 | 21 32 | 1 5 | 3 30 | 17 14 | 6 15 | 6 25 | 28 17 | 17 54 | 4 49 |
| S 11 | 21 51 | 11 47 | 3 9 | 16 11 | 2 46 | 18 27 | 2 45 | 1 24 | 0 42 | 22 30 | 0 35 | 21 29 | 1 33 | 2 34 | 0 46 | 21 32 | 1 5 | 3 30 | 17 13 | 6 12 | 6 24 | 28 17 | 17 54 | 4 50 |
| M12 | 21 42 | 6 10 | 2 13 | 15 59 | 3 1 | 18 39 | 2 44 | 1 10 | 0 41 | 22 31 | 0 35 | 21 30 | 1 33 | 2 33 | 0 46 | 21 32 | 1 5 | 3 29 | 17 13 | 6 10 | 6 22 | 28 16 | 17 54 | 4 50 |
| T 13 | 21 33 | 0 12 | 1 11 | 15 48 | 3 17 | 18 51 | 2 43 | 0 56 | 0 40 | 22 32 | 0 35 | 21 30 | 1 33 | 2 32 | 0 45 | 21 32 | 1 5 | 3 29 | 17 12 | 6 9 | 6 21 | 28 16 | 17 54 | 4 50 |
| W14 | 21 24 | 5n54 | 0 3 | 15 38 | 3 32 | 19 2 | 2 42 | 0 42 | 0 39 | 22 32 | 0 35 | 21 30 | 1 33 | 2 31 | 0 45 | 21 32 | 1 5 | 3 28 | 17 12 | 6 9 | 6 20 | 28 16 | 17 55 | 4 50 |
| T 15 | 21 14 | 11 56 | 1n 7 | 15 30 | 3 46 | 19 13 | 2 40 | 0 28 | 0 38 | 22 33 | 0 35 | 21 31 | 1 33 | 2 31 | 0 45 | 21 32 | 1 5 | 3 28 | 17 11 | 6 9 | 6 19 | 28 16 | 17 55 | 4 51 |
| F 16 | 21 4 | 17 34 | 2 15 | 15 24 | 3 59 | 19 23 | 2 39 | 0 14 | 0 38 | 22 34 | 0 35 | 21 31 | 1 33 | 2 30 | 0 45 | 21 33 | 1 5 | 3 27 | 17 10 | 6 9 | 6 17 | 28 16 | 17 55 | 4 51 |
| S 17 | 20 54 | 22 26 | 3 17 | 15 18 | 4 11 | 19 33 | 2 38 | 0s 0 | 0 37 | 22 34 | 0 35 | 21 32 | 1 33 | 2 29 | 0 45 | 21 33 | 1 5 | 3 27 | 17 10 | 6 8 | 6 16 | 28 16 | 17 55 | 4 51 |
| S 18 | 20 43 | 26 3 | 4 8 | 15 15 | 4 23 | 19 43 | 2 36 | 0 14 | 0 36 | 22 35 | 0 35 | 21 32 | 1 33 | 2 28 | 0 45 | 21 33 | 1 5 | 3 26 | 17 9 | 6 6 | 6 15 | 28 16 | 17 55 | 4 51 |
| M19 | 20 32 | 27 58 | 4 44 | 15 13 | 4 32 | 19 52 | 2 34 | 0 28 | 0 35 | 22 36 | 0 35 | 21 32 | 1 33 | 2 27 | 0 45 | 21 33 | 1 5 | 3 25 | 17 9 | 6 3 | 6 14 | 28 16 | 17 55 | 4 52 |
| T 20 | 20 21 | 27 51 | 5 0 | 15 12 | 4 41 | 20 1 | 2 33 | 0 43 | 0 34 | 22 36 | 0 35 | 21 33 | 1 33 | 2 26 | 0 45 | 21 33 | 1 5 | 3 25 | 17 8 | 5 59 | 6 13 | 28 16 | 17 55 | 4 52 |
| W21 | 20 9 | 25 39 | 4 55 | 15 13 | 4 48 | 20 9 | 2 31 | 0 57 | 0 33 | 22 37 | 0 35 | 21 33 | 1 33 | 2 25 | 0 45 | 21 34 | 1 5 | 3 24 | 17 8 | 5 55 | 6 11 | 28 16 | 17 55 | 4 52 |
| T 22 | 19 57 | 21 38 | 4 30 | 15 15 | 4 54 | 20 18 | 2 29 | 1 11 | 0 32 | 22 37 | 0 35 | 21 34 | 1 33 | 2 24 | 0 45 | 21 34 | 1 5 | 3 23 | 17 7 | 5 51 | 6 10 | 28 16 | 17 55 | 4 52 |
| F 23 | 19 45 | 16 19 | 3 47 | 15 19 | 4 58 | 20 25 | 2 27 | 1 26 | 0 31 | 22 38 | 0 35 | 21 34 | 1 33 | 2 23 | 0 45 | 21 34 | 1 5 | 3 23 | 17 6 | 5 48 | 6 9 | 28 15 | 17 55 | 4 53 |
| S 24 | 19 32 | 10 13 | 2 50 | 15 24 | 5 0 | 20 32 | 2 25 | 1 40 | 0 30 | 22 38 | 0 35 | 21 34 | 1 33 | 2 22 | 0 45 | 21 34 | 1 5 | 3 22 | 17 6 | 5 46 | 6 8 | 28 15 | 17 55 | 4 53 |
| S 25 | 19 19 | 3 47 | 1 45 | 15 30 | 5 1 | 20 39 | 2 23 | 1 54 | 0 29 | 22 39 | 0 35 | 21 34 | 1 33 | 2 21 | 0 45 | 21 34 | 1 5 | 3 22 | 17 5 | 5 44 | 6 6 | 28 15 | 17 55 | 4 53 |
| M26 | 19 6 | 2s36 | 0 35 | 15 37 | 5 0 | 20 45 | 2 20 | 2 9 | 0 28 | 22 39 | 0 35 | 21 35 | 1 33 | 2 20 | 0 45 | 21 34 | 1 5 | 3 21 | 17 5 | 5 44 | 6 5 | 28 15 | 17 55 | 4 54 |
| T 27 | 18 52 | 8 40 | 0s34 | 15 45 | 4 57 | 20 51 | 2 18 | 2 23 | 0 27 | 22 40 | 0 35 | 21 35 | 1 33 | 2 18 | 0 45 | 21 35 | 1 5 | 3 20 | 17 4 | 5 44 | 6 4 | 28 15 | 17 55 | 4 54 |
| W28 | 18 38 | 14 13 | 1 39 | 15 53 | 4 53 | 20 57 | 2 16 | 2 38 | 0 27 | 22 40 | 0 35 | 21 35 | 1 33 | 2 17 | 0 45 | 21 35 | 1 5 | 3 20 | 17 4 | 5 44 | 6 3 | 28 15 | 17 55 | 4 54 |
| T 29 | 18 24 | 19 3 | 2 38 | 16 3 | 4 47 | 21 1 | 2 13 | 2 52 | 0 26 | 22 41 | 0 35 | 21 36 | 1 33 | 2 16 | 0 45 | 21 35 | 1 5 | 3 19 | 17 3 | 5 44 | 6 2 | 28 14 | 17 55 | 4 55 |
| F 30 | 18 9 | 23 1 | 3 29 | 16 13 | 4 40 | 21 6 | 2 11 | 3 7 | 0 25 | 22 41 | 0 35 | 21 36 | 1 33 | 2 15 | 0 45 | 21 35 | 1 5 | 3 18 | 17 2 | 5 43 | 6 0 | 28 14 | 17 55 | 4 55 |
| S 31 | 17n54 | 25s57 | 4s10 | 16n23 | 4s32 | 21n10 | 2s 8 | 3s21 | 0n24 | 22n41 | 0s35 | 21n36 | 1s33 | 2n14 | 0n45 | 21s35 | 1n 5 | 3n17 | 17n 2 | 5n41 | 5n59 | 28s14 | 17n55 | 4s55 |

Julian Day Number = 2807107.5, Delta T = 52m02s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°22'03, Lahiri = 37°29'03


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# ASTRODIENST EPHEMERIS for the year 2973
# geocentric

## AUGUST 2973 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 41 16 | 9♌59'08 | 21♐52 | 25°R54 | 29♊ 2 | 10♎ 1 | 26♊41 | 23♊38 | 26♍ 8 | 13°R14 | 4♏ 0 | 14°R24 | 15♈13 | 6♑42 | 18♊31 | S 1 |
| M 2 | 20 45 13 | 10°56'24 | 3♑43 | 25°D52 | 0♋10 | 10°36 | 26°53 | 23°44 | 26°11 | 13♑13 | 4° 1 | 14♈15 | 15°10 | 6°49 | 18°35 | M 2 |
| T 3 | 20 49 9 | 11°53'41 | 15°37 | 25♋56 | 1°18 | 11°11 | 27° 5 | 23°50 | 26°14 | 13°11 | 4° 2 | 14° 5 | 15° 7 | 6°56 | 18°38 | T 3 |
| W 4 | 20 53 6 | 12°50'58 | 27°35 | 26° 5 | 2°26 | 11°47 | 27°17 | 23°56 | 26°17 | 13°10 | 4° 2 | 13°53 | 15° 4 | 7° 2 | 18°41 | W 4 |
| T 5 | 20 57 2 | 13°48'15 | 9♒39 | 26°21 | 3°34 | 12°22 | 27°29 | 24° 2 | 26°20 | 13° 9 | 4° 3 | 13°42 | 15° 1 | 7° 9 | 18°44 | T 5 |
| F 6 | 21 0 59 | 14°45'32 | 21°50 | 26°42 | 4°42 | 12°58 | 27°40 | 24° 8 | 26°23 | 13° 7 | 4° 4 | 13°32 | 14°58 | 7°16 | 18°47 | F 6 |
| S 7 | 21 4 55 | 15°42'51 | 4♓ 9 | 27° 8 | 5°51 | 13°33 | 27°52 | 24°14 | 26°26 | 13° 6 | 4° 5 | 13°24 | 14°54 | 7°22 | 18°50 | S 7 |
| S 8 | 21 8 52 | 16°40'09 | 16°38 | 27°41 | 6°59 | 14° 9 | 28° 3 | 24°20 | 26°29 | 13° 5 | 4° 6 | 13°19 | 14°51 | 7°29 | 18°53 | S 8 |
| M 9 | 21 12 48 | 17°37'29 | 29°17 | 28°19 | 8° 8 | 14°45 | 28°15 | 24°25 | 26°32 | 13° 4 | 4° 6 | 13°16 | 14°48 | 7°36 | 18°56 | M 9 |
| T 10 | 21 16 45 | 18°34'49 | 12♈ 9 | 29° 3 | 9°17 | 15°21 | 28°26 | 24°31 | 26°35 | 13° 2 | 4° 7 | 13°D15 | 14°45 | 7°43 | 18°58 | T 10 |
| W11 | 21 20 42 | 19°32'10 | 25°15 | 29°53 | 10°26 | 15°57 | 28°37 | 24°36 | 26°39 | 13° 1 | 4° 8 | 13°15 | 14°42 | 7°49 | 19° 1 | W11 |
| T 12 | 21 24 38 | 20°29'32 | 8♉37 | 0♌48 | 11°35 | 16°33 | 28°49 | 24°42 | 26°42 | 13° 0 | 4° 9 | 13°16 | 14°39 | 7°56 | 19° 4 | T 12 |
| F 13 | 21 28 35 | 21°26'55 | 22°18 | 1°49 | 12°44 | 17° 9 | 29° 0 | 24°47 | 26°45 | 12°59 | 4°10 | 13°R17 | 14°35 | 8° 3 | 19° 7 | F 13 |
| S 14 | 21 32 31 | 22°24'19 | 6♊18 | 2°55 | 13°53 | 17°45 | 29°11 | 24°53 | 26°48 | 12°58 | 4°11 | 13°16 | 14°32 | 8°10 | 19° 9 | S 14 |
| S 15 | 21 36 28 | 23°21'44 | 20°38 | 4° 7 | 15° 2 | 18°21 | 29°22 | 24°58 | 26°52 | 12°56 | 4°12 | 13°13 | 14°29 | 8°16 | 19°12 | S 15 |
| M16 | 21 40 24 | 24°19'10 | 5♋14 | 5°24 | 16°12 | 18°58 | 29°32 | 25° 3 | 26°55 | 12°55 | 4°13 | 13° 8 | 14°26 | 8°23 | 19°14 | M16 |
| T 17 | 21 44 21 | 25°16'37 | 20° 3 | 6°46 | 17°21 | 19°34 | 29°43 | 25° 8 | 26°58 | 12°54 | 4°15 | 13° 2 | 14°23 | 8°30 | 19°17 | T 17 |
| W18 | 21 48 17 | 26°14'05 | 4♌56 | 8°12 | 18°31 | 20°11 | 29°54 | 25°13 | 27° 2 | 12°53 | 4°16 | 12°55 | 14°19 | 8°36 | 19°19 | W18 |
| T 19 | 21 52 14 | 27°11'34 | 19°45 | 9°44 | 19°40 | 20°48 | 0♋ 4 | 25°18 | 27° 5 | 12°52 | 4°17 | 12°48 | 14°16 | 8°43 | 19°21 | T 19 |
| F 20 | 21 56 11 | 28° 9'04 | 4♍23 | 11°19 | 20°50 | 21°24 | 0°15 | 25°23 | 27° 8 | 12°51 | 4°18 | 12°43 | 14°13 | 8°50 | 19°24 | F 20 |
| S 21 | 22 0 7 | 29° 6'35 | 18°42 | 12°59 | 22° 0 | 22° 1 | 0°25 | 25°28 | 27°12 | 12°50 | 4°19 | 12°38 | 14°10 | 8°57 | 19°26 | S 21 |
| S 22 | 22 4 4 | 0♍ 4'06 | 2♎37 | 14°42 | 23°10 | 22°38 | 0°35 | 25°33 | 27°15 | 12°49 | 4°21 | 12°36 | 14° 7 | 9° 3 | 19°28 | S 22 |
| M23 | 22 8 0 | 1° 1'39 | 16° 6 | 16°30 | 24°20 | 23°15 | 0°45 | 25°37 | 27°19 | 12°48 | 4°22 | 12°D36 | 14° 4 | 9°10 | 19°30 | M23 |
| T 24 | 22 11 57 | 1°59'12 | 29°10 | 18°20 | 25°30 | 23°52 | 0°55 | 25°42 | 27°22 | 12°47 | 4°23 | 12°37 | 14° 0 | 9°17 | 19°32 | T 24 |
| W25 | 22 15 53 | 2°56'46 | 11♏52 | 20°13 | 26°41 | 24°29 | 1° 5 | 25°46 | 27°26 | 12°46 | 4°25 | 12°38 | 13°57 | 9°23 | 19°34 | W25 |
| T 26 | 22 19 50 | 3°54'20 | 24°14 | 22° 8 | 27°51 | 25° 7 | 1°15 | 25°51 | 27°29 | 12°45 | 4°26 | 12°40 | 13°54 | 9°30 | 19°36 | T 26 |
| F 27 | 22 23 46 | 4°51'56 | 6♐22 | 24° 5 | 29° 1 | 25°44 | 1°25 | 25°55 | 27°33 | 12°44 | 4°27 | 12°R40 | 13°51 | 9°37 | 19°38 | F 27 |
| S 28 | 22 27 43 | 5°49'32 | 18°21 | 26° 4 | 0♌12 | 26°21 | 1°34 | 25°59 | 27°36 | 12°44 | 4°29 | 12°39 | 13°48 | 9°44 | 19°40 | S 28 |
| S 29 | 22 31 40 | 6°47'10 | 0♑14 | 28° 5 | 1°22 | 26°59 | 1°44 | 26° 4 | 27°40 | 12°43 | 4°30 | 12°37 | 13°45 | 9°50 | 19°42 | S 29 |
| M30 | 22 35 36 | 7°44'48 | 12° 7 | 0♍ 6 | 2°33 | 27°36 | 1°53 | 26° 8 | 27°44 | 12°42 | 4°32 | 12°33 | 13°41 | 9°57 | 19°43 | M30 |
| T 31 | 22 39 33 | 8♍42'27 | 24♑ 3 | 2♍ 8 | 3♌44 | 28♎14 | 2♋ 2 | 26♊12 | 27♍47 | 12♑41 | 4♏33 | 12♈28 | 13♈38 | 10♑ 4 | 19♊45 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n39 | 27s44 | 4s40 | 16n34 | 4s22 | 21n13 | 2s 6 | 3s36 | 0n23 | 22n42 | 0s35 | 21n36 | 1s34 | 2n13 | 0n45 | 21s35 | 1n 5 | 3n17 | 17n 1 | 5n39 | 5n58 | 28s14 | 17n55 | 4s55 |
| M 2 | 17 24 | 28 14 | 4 58 | 16 44 | 4 12 | 21 16 | 2 3 | 3 50 | 0 22 | 22 42 | 0 35 | 21 37 | 1 34 | 2 12 | 0 45 | 21 36 | 1 5 | 3 16 | 17 1 | 5 35 | 5 57 | 28 14 | 17 55 | 4 56 |
| T 3 | 17 8 | 27 25 | 5 3 | 16 55 | 4 0 | 21 18 | 2 0 | 4 5 | 0 21 | 22 42 | 0 35 | 21 37 | 1 34 | 2 10 | 0 45 | 21 36 | 1 5 | 3 15 | 17 0 | 5 31 | 5 56 | 28 13 | 17 55 | 4 56 |
| W 4 | 16 52 | 25 21 | 4 54 | 17 6 | 3 48 | 21 20 | 1 57 | 4 19 | 0 21 | 22 43 | 0 35 | 21 37 | 1 34 | 2 9 | 0 45 | 21 36 | 1 5 | 3 14 | 17 0 | 5 27 | 5 54 | 28 13 | 17 55 | 4 56 |
| T 5 | 16 36 | 22 8 | 4 33 | 17 16 | 3 35 | 21 22 | 1 55 | 4 34 | 0 20 | 22 43 | 0 35 | 21 37 | 1 34 | 2 8 | 0 45 | 21 36 | 1 4 | 3 14 | 16 59 | 5 23 | 5 53 | 28 13 | 17 55 | 4 57 |
| F 6 | 16 19 | 17 55 | 3 59 | 17 25 | 3 21 | 21 22 | 1 52 | 4 48 | 0 19 | 22 43 | 0 35 | 21 37 | 1 34 | 2 7 | 0 45 | 21 36 | 1 4 | 3 13 | 16 59 | 5 19 | 5 52 | 28 13 | 17 55 | 4 57 |
| S 7 | 16 3 | 12 56 | 3 13 | 17 34 | 3 6 | 21 23 | 1 49 | 5 3 | 0 18 | 22 43 | 0 35 | 21 38 | 1 34 | 2 6 | 0 45 | 21 36 | 1 4 | 3 12 | 16 58 | 5 16 | 5 51 | 28 12 | 17 54 | 4 57 |
| S 8 | 15 46 | 7 22 | 2 17 | 17 43 | 2 52 | 21 22 | 1 46 | 5 17 | 0 17 | 22 43 | 0 35 | 21 38 | 1 34 | 2 4 | 0 45 | 21 36 | 1 4 | 3 11 | 16 57 | 5 14 | 5 49 | 28 12 | 17 54 | 4 58 |
| M 9 | 15 28 | 1 25 | 1 14 | 17 50 | 2 37 | 21 21 | 1 43 | 5 32 | 0 16 | 22 44 | 0 35 | 21 38 | 1 34 | 2 3 | 0 45 | 21 37 | 1 4 | 3 11 | 16 57 | 5 13 | 5 48 | 28 12 | 17 54 | 4 58 |
| T 10 | 15 11 | 4n41 | 0 6 | 17 56 | 2 21 | 21 20 | 1 40 | 5 46 | 0 16 | 22 44 | 0 35 | 21 38 | 1 34 | 2 2 | 0 45 | 21 37 | 1 4 | 3 10 | 16 56 | 5 12 | 5 47 | 28 11 | 17 54 | 4 59 |
| W11 | 14 53 | 10 43 | 1n 4 | 18 1 | 2 6 | 21 18 | 1 37 | 6 1 | 0 15 | 22 44 | 0 35 | 21 38 | 1 34 | 2 1 | 0 45 | 21 37 | 1 4 | 3 9 | 16 56 | 5 12 | 5 46 | 28 11 | 17 54 | 4 59 |
| T 12 | 14 35 | 16 23 | 2 12 | 18 5 | 1 51 | 21 16 | 1 33 | 6 15 | 0 14 | 22 44 | 0 35 | 21 39 | 1 34 | 1 59 | 0 45 | 21 37 | 1 4 | 3 8 | 16 55 | 5 13 | 5 45 | 28 11 | 17 54 | 4 59 |
| F 13 | 14 17 | 21 22 | 3 14 | 18 6 | 1 35 | 21 13 | 1 30 | 6 30 | 0 13 | 22 44 | 0 35 | 21 39 | 1 34 | 1 58 | 0 44 | 21 37 | 1 4 | 3 7 | 16 55 | 5 13 | 5 43 | 28 11 | 17 54 | 5 0 |
| S 14 | 13 58 | 25 17 | 4 6 | 18 7 | 1 20 | 21 9 | 1 27 | 6 44 | 0 12 | 22 44 | 0 35 | 21 39 | 1 34 | 1 57 | 0 44 | 21 37 | 1 4 | 3 7 | 16 54 | 5 13 | 5 42 | 28 10 | 17 53 | 5 0 |
| S 15 | 13 40 | 27 42 | 4 44 | 18 5 | 1 5 | 21 5 | 1 24 | 6 59 | 0 12 | 22 44 | 0 35 | 21 39 | 1 34 | 1 55 | 0 44 | 21 38 | 1 4 | 3 6 | 16 54 | 5 12 | 5 41 | 28 10 | 17 53 | 5 0 |
| M16 | 13 21 | 28 17 | 5 4 | 18 1 | 0 50 | 21 0 | 1 21 | 7 13 | 0 11 | 22 44 | 0 34 | 21 39 | 1 34 | 1 54 | 0 44 | 21 38 | 1 4 | 3 5 | 16 53 | 5 10 | 5 40 | 28 10 | 17 53 | 5 1 |
| T 17 | 13 2 | 26 51 | 5 5 | 17 55 | 0 35 | 20 55 | 1 17 | 7 28 | 0 10 | 22 44 | 0 34 | 21 39 | 1 35 | 1 53 | 0 44 | 21 38 | 1 4 | 3 4 | 16 53 | 5 7 | 5 38 | 28 9 | 17 53 | 5 1 |
| W18 | 12 42 | 23 33 | 4 45 | 17 47 | 0 21 | 20 49 | 1 14 | 7 42 | 0 9 | 22 44 | 0 34 | 21 39 | 1 35 | 1 51 | 0 44 | 21 38 | 1 4 | 3 3 | 16 52 | 5 5 | 5 37 | 28 9 | 17 53 | 5 1 |
| T 19 | 12 23 | 18 42 | 4 6 | 17 36 | 0 8 | 20 43 | 1 11 | 7 57 | 0 8 | 22 44 | 0 34 | 21 39 | 1 35 | 1 50 | 0 44 | 21 38 | 1 4 | 3 2 | 16 52 | 5 2 | 5 36 | 28 8 | 17 53 | 5 2 |
| F 20 | 12 3 | 12 49 | 3 11 | 17 23 | 0n 5 | 20 36 | 1 8 | 8 11 | 0 8 | 22 44 | 0 34 | 21 39 | 1 35 | 1 49 | 0 44 | 21 38 | 1 4 | 3 1 | 16 51 | 5 0 | 5 35 | 28 8 | 17 52 | 5 2 |
| S 21 | 11 43 | 6 23 | 2 6 | 17 7 | 0 18 | 20 28 | 1 4 | 8 26 | 0 7 | 22 44 | 0 34 | 21 40 | 1 35 | 1 47 | 0 44 | 21 38 | 1 4 | 3 1 | 16 51 | 4 58 | 5 34 | 28 8 | 17 52 | 5 3 |
| S 22 | 11 23 | 0s13 | 0 54 | 16 48 | 0 29 | 20 20 | 1 1 | 8 40 | 0 6 | 22 44 | 0 34 | 21 40 | 1 35 | 1 46 | 0 44 | 21 38 | 1 4 | 3 0 | 16 50 | 4 57 | 5 32 | 28 7 | 17 52 | 5 3 |
| M23 | 11 3 | 6 36 | 0s19 | 16 27 | 0 40 | 20 12 | 0 58 | 8 54 | 0 5 | 22 44 | 0 34 | 21 40 | 1 35 | 1 44 | 0 44 | 21 39 | 1 4 | 2 59 | 16 50 | 4 57 | 5 31 | 28 7 | 17 52 | 5 3 |
| T 24 | 10 43 | 12 30 | 1 29 | 16 4 | 0 51 | 20 2 | 0 54 | 9 9 | 0 5 | 22 44 | 0 34 | 21 40 | 1 35 | 1 43 | 0 44 | 21 39 | 1 4 | 2 58 | 16 49 | 4 57 | 5 30 | 28 6 | 17 51 | 5 4 |
| W25 | 10 22 | 17 44 | 2 32 | 15 37 | 1 0 | 19 53 | 0 51 | 9 23 | 0 4 | 22 44 | 0 34 | 21 40 | 1 35 | 1 42 | 0 44 | 21 39 | 1 4 | 2 57 | 16 49 | 4 58 | 5 29 | 28 6 | 17 51 | 5 4 |
| T 26 | 10 2 | 22 4 | 3 27 | 15 8 | 1 8 | 19 42 | 0 48 | 9 37 | 0 3 | 22 44 | 0 34 | 21 40 | 1 35 | 1 40 | 0 44 | 21 39 | 1 4 | 2 56 | 16 48 | 4 59 | 5 27 | 28 6 | 17 51 | 5 5 |
| F 27 | 9 41 | 25 23 | 4 11 | 14 37 | 1 16 | 19 32 | 0 44 | 9 52 | 0 2 | 22 44 | 0 34 | 21 40 | 1 35 | 1 39 | 0 44 | 21 39 | 1 4 | 2 55 | 16 48 | 4 59 | 5 26 | 28 5 | 17 51 | 5 5 |
| S 28 | 9 20 | 27 31 | 4 44 | 14 3 | 1 23 | 19 20 | 0 41 | 10 6 | 0 2 | 22 44 | 0 34 | 21 40 | 1 35 | 1 37 | 0 44 | 21 39 | 1 4 | 2 54 | 16 47 | 4 58 | 5 25 | 28 5 | 17 50 | 5 5 |
| S 29 | 8 59 | 28 23 | 5 4 | 13 28 | 1 28 | 19 8 | 0 38 | 10 20 | 0 1 | 22 44 | 0 34 | 21 40 | 1 36 | 1 36 | 0 44 | 21 39 | 1 4 | 2 53 | 16 47 | 4 57 | 5 24 | 28 4 | 17 50 | 5 6 |
| M30 | 8 37 | 27 56 | 5 11 | 12 50 | 1 33 | 18 56 | 0 34 | 10 34 | 0 0 | 22 44 | 0 34 | 21 40 | 1 36 | 1 35 | 0 44 | 21 39 | 1 4 | 2 53 | 16 46 | 4 56 | 5 22 | 28 4 | 17 50 | 5 6 |
| T 31 | 8n16 | 26s11 | 5s 5 | 12n11 | 1n37 | 18n43 | 0s31 | 10s48 | 0s 1 | 22n44 | 0s34 | 21n40 | 1s36 | 1n33 | 0n44 | 21s39 | 1n 4 | 2n52 | 16n46 | 4n54 | 5n21 | 28s 3 | 17n50 | 5s 7 |

Julian Day Number = 2807138.5, Delta T = 52m02s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°22'07, Lahiri = 37°29'08


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# ASTRODIENST EPHEMERIS for the year 2973
# geocentric

## SEPTEMBER 2973 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 22 43 29 | 9♍40'07 | 6♒ 6 | 4♍10 | 4♌55 | 28♎52 | 2♋11 | 26♊15 | 27♍51 | 12°R41 | 4♏35 | 12°R22 | 13♈35 | 10♑11 | 19♊47 | W 1 |
| T 2 | 22 47 26 | 10°37'48 | 18°17 | 6°12 | 6° 6 | 29°30 | 2°20 | 26°19 | 27°54 | 12♑40 | 4°36 | 12♈16 | 13°32 | 10°17 | 19°48 | T 2 |
| F 3 | 22 51 22 | 11°35'31 | 0♓40 | 8°13 | 7°17 | 0♏ 7 | 2°29 | 26°23 | 27°58 | 12°39 | 4°38 | 12°11 | 13°29 | 10°24 | 19°50 | F 3 |
| S 4 | 22 55 19 | 12°33'14 | 13°14 | 10°14 | 8°28 | 0°45 | 2°38 | 26°27 | 28° 2 | 12°39 | 4°40 | 12° 8 | 13°25 | 10°31 | 19°51 | S 4 |
| S 5 | 22 59 15 | 13°30'59 | 26° 0 | 12°15 | 9°39 | 1°23 | 2°46 | 26°30 | 28° 5 | 12°38 | 4°41 | 12° 5 | 13°22 | 10°37 | 19°52 | S 5 |
| M 6 | 23 3 12 | 14°28'45 | 8♈59 | 14°15 | 10°50 | 2° 2 | 2°54 | 26°34 | 28° 9 | 12°38 | 4°43 | 12°D 4 | 13°19 | 10°44 | 19°54 | M 6 |
| T 7 | 23 7 8 | 15°26'33 | 22°10 | 16°14 | 12° 1 | 2°40 | 3° 3 | 26°37 | 28°13 | 12°37 | 4°45 | 12° 4 | 13°16 | 10°51 | 19°55 | T 7 |
| W 8 | 23 11 5 | 16°24'22 | 5♉34 | 18°12 | 13°13 | 3°18 | 3°11 | 26°40 | 28°17 | 12°36 | 4°46 | 12° 6 | 13°13 | 10°58 | 19°56 | W 8 |
| T 9 | 23 15 2 | 17°22'13 | 19°11 | 20° 8 | 14°24 | 3°56 | 3°19 | 26°43 | 28°20 | 12°36 | 4°48 | 12° 7 | 13°10 | 11° 4 | 19°57 | T 9 |
| F 10 | 23 18 58 | 18°20'05 | 3♊ 0 | 22° 4 | 15°36 | 4°35 | 3°27 | 26°46 | 28°24 | 12°36 | 4°50 | 12° 8 | 13° 6 | 11°11 | 19°58 | F 10 |
| S 11 | 23 22 55 | 19°18'00 | 17° 1 | 23°58 | 16°48 | 5°13 | 3°35 | 26°49 | 28°28 | 12°35 | 4°52 | 12°R 9 | 13° 3 | 11°18 | 19°59 | S 11 |
| S 12 | 23 26 51 | 20°15'56 | 1♋12 | 25°51 | 17°59 | 5°52 | 3°42 | 26°52 | 28°31 | 12°35 | 4°54 | 12° 9 | 13° 0 | 11°24 | 20° 0 | S 12 |
| M13 | 23 30 48 | 21°13'54 | 15°33 | 27°43 | 19°11 | 6°30 | 3°50 | 26°55 | 28°35 | 12°34 | 4°55 | 12° 7 | 12°57 | 11°31 | 20° 1 | M13 |
| T 14 | 23 34 44 | 22°11'54 | 29°59 | 29°34 | 20°23 | 7° 9 | 3°57 | 26°58 | 28°39 | 12°34 | 4°57 | 12° 5 | 12°54 | 11°38 | 20° 2 | T 14 |
| W15 | 23 38 41 | 23° 9'55 | 14♌26 | 1♎23 | 21°35 | 7°48 | 4° 4 | 27° 0 | 28°43 | 12°34 | 4°59 | 12° 3 | 12°51 | 11°45 | 20° 2 | W15 |
| T 16 | 23 42 37 | 24° 7'59 | 28°49 | 3°11 | 22°47 | 8°27 | 4°11 | 27° 3 | 28°47 | 12°34 | 5° 1 | 12° 0 | 12°47 | 11°51 | 20° 3 | T 16 |
| F 17 | 23 46 34 | 25° 6'03 | 13♍ 3 | 4°58 | 23°59 | 9° 6 | 4°18 | 27° 5 | 28°50 | 12°33 | 5° 3 | 11°58 | 12°44 | 11°58 | 20° 4 | F 17 |
| S 18 | 23 50 31 | 26° 4'10 | 27° 2 | 6°44 | 25°11 | 9°45 | 4°25 | 27° 8 | 28°54 | 12°33 | 5° 5 | 11°57 | 12°41 | 12° 5 | 20° 4 | S 18 |
| S 19 | 23 54 27 | 27° 2'18 | 10♎44 | 8°28 | 26°23 | 10°24 | 4°31 | 27°10 | 28°58 | 12°33 | 5° 7 | 11°D57 | 12°38 | 12°12 | 20° 5 | S 19 |
| M20 | 23 58 24 | 28° 0'28 | 24° 6 | 10°11 | 27°36 | 11° 3 | 4°38 | 27°12 | 29° 2 | 12°33 | 5° 9 | 11°57 | 12°35 | 12°18 | 20° 5 | M20 |
| T 21 | 0 2 20 | 28°58'39 | 7♏ 7 | 11°53 | 28°48 | 11°42 | 4°44 | 27°14 | 29° 5 | 12°33 | 5°11 | 11°58 | 12°31 | 12°25 | 20° 5 | T 21 |
| W22 | 0 6 17 | 29°56'51 | 19°48 | 13°34 | 0♍ 0 | 12°22 | 4°50 | 27°16 | 29° 9 | 12°33 | 5°13 | 11°59 | 12°28 | 12°32 | 20° 6 | W22 |
| T 23 | 0 10 13 | 0♎55'06 | 2♐11 | 15°14 | 1°13 | 13° 1 | 4°56 | 27°17 | 29°13 | 12°D33 | 5°15 | 12° 0 | 12°25 | 12°38 | 20° 6 | T 23 |
| F 24 | 0 14 10 | 1°53'21 | 14°21 | 16°52 | 2°25 | 13°41 | 5° 2 | 27°19 | 29°17 | 12°33 | 5°17 | 12° 1 | 12°22 | 12°45 | 20° 6 | F 24 |
| S 25 | 0 18 6 | 2°51'39 | 26°21 | 18°29 | 3°38 | 14°20 | 5° 8 | 27°21 | 29°20 | 12°33 | 5°19 | 12° 1 | 12°19 | 12°52 | 20°R 6 | S 25 |
| S 26 | 0 22 3 | 3°49'57 | 8♑15 | 20° 5 | 4°51 | 15° 0 | 5°13 | 27°22 | 29°24 | 12°33 | 5°21 | 12°R 1 | 12°16 | 12°59 | 20° 6 | S 26 |
| M27 | 0 26 0 | 4°48'17 | 20° 8 | 21°41 | 6° 4 | 15°39 | 5°18 | 27°23 | 29°28 | 12°33 | 5°23 | 12° 1 | 12°12 | 13° 5 | 20° 6 | M27 |
| T 28 | 0 29 56 | 5°46'39 | 2♒ 6 | 23°14 | 7°16 | 16°19 | 5°23 | 27°25 | 29°32 | 12°33 | 5°26 | 12° 0 | 12° 9 | 13°12 | 20° 6 | T 28 |
| W29 | 0 33 53 | 6°45'02 | 14°11 | 24°47 | 8°29 | 16°59 | 5°28 | 27°26 | 29°36 | 12°33 | 5°28 | 12° 0 | 12° 6 | 13°19 | 20° 5 | W29 |
| T 30 | 0 37 49 | 7♎43'27 | 26♒27 | 26♎19 | 9♍42 | 17♏39 | 5♋33 | 27♊27 | 29♍39 | 12♑33 | 5♏30 | 11♈59 | 12♈ 3 | 13♑26 | 20♊ 5 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7n54 | 23s15 | 4s45 | 11n30 | 1n41 | 18n30 | 0s28 | 11s 2 | 0s 1 | 22n43 | 0s34 | 21n40 | 1s36 | 1n32 | 0n44 | 21s40 | 1n 4 | 2n51 | 16n45 | 4n52 | 5n20 | 28s 3 | 17n49 | 5s 7 |
| T 2 | 7 33 | 19 16 | 4 12 | 10 47 | 1 43 | 18 16 | 0 24 | 11 16 | 0 2 | 22 43 | 0 34 | 21 40 | 1 36 | 1 30 | 0 44 | 21 40 | 1 4 | 2 50 | 16 45 | 4 50 | 5 19 | 28 2 | 17 49 | 5 7 |
| F 3 | 7 11 | 14 25 | 3 27 | 10 4 | 1 44 | 18 1 | 0 21 | 11 30 | 0 3 | 22 43 | 0 34 | 21 40 | 1 36 | 1 29 | 0 44 | 21 40 | 1 4 | 2 49 | 16 44 | 4 48 | 5 18 | 28 2 | 17 49 | 5 8 |
| S 4 | 6 49 | 8 53 | 2 31 | 9 19 | 1 45 | 17 46 | 0 18 | 11 44 | 0 3 | 22 43 | 0 34 | 21 40 | 1 36 | 1 27 | 0 44 | 21 40 | 1 3 | 2 48 | 16 44 | 4 46 | 5 16 | 28 1 | 17 48 | 5 8 |
| S 5 | 6 27 | 2 55 | 1 27 | 8 33 | 1 45 | 17 31 | 0 14 | 11 58 | 0 4 | 22 43 | 0 34 | 21 40 | 1 36 | 1 26 | 0 44 | 21 40 | 1 3 | 2 47 | 16 44 | 4 45 | 5 15 | 28 1 | 17 48 | 5 9 |
| M 6 | 6 5 | 3n17 | 0 17 | 7 47 | 1 45 | 17 15 | 0 11 | 12 12 | 0 5 | 22 43 | 0 34 | 21 40 | 1 36 | 1 24 | 0 44 | 21 40 | 1 3 | 2 46 | 16 43 | 4 45 | 5 14 | 28 0 | 17 48 | 5 9 |
| T 7 | 5 43 | 9 27 | 0n55 | 7 0 | 1 43 | 16 58 | 0 8 | 12 25 | 0 6 | 22 43 | 0 34 | 21 40 | 1 36 | 1 23 | 0 44 | 21 40 | 1 3 | 2 45 | 16 43 | 4 45 | 5 13 | 28 0 | 17 47 | 5 10 |
| W 8 | 5 20 | 15 17 | 2 5 | 6 12 | 1 41 | 16 41 | 0 5 | 12 39 | 0 6 | 22 42 | 0 34 | 21 40 | 1 36 | 1 21 | 0 44 | 21 40 | 1 3 | 2 44 | 16 42 | 4 45 | 5 11 | 27 59 | 17 47 | 5 10 |
| T 9 | 4 58 | 20 28 | 3 10 | 5 24 | 1 39 | 16 24 | 0 2 | 12 53 | 0 7 | 22 42 | 0 34 | 21 40 | 1 37 | 1 20 | 0 44 | 21 40 | 1 3 | 2 43 | 16 42 | 4 46 | 5 10 | 27 59 | 17 47 | 5 10 |
| F 10 | 4 35 | 24 38 | 4 4 | 4 36 | 1 36 | 16 6 | 0n 2 | 13 6 | 0 8 | 22 42 | 0 34 | 21 40 | 1 37 | 1 18 | 0 44 | 21 40 | 1 3 | 2 42 | 16 42 | 4 46 | 5 9 | 27 58 | 17 46 | 5 11 |
| S 11 | 4 13 | 27 25 | 4 45 | 3 48 | 1 32 | 15 48 | 0 5 | 13 20 | 0 8 | 22 42 | 0 34 | 21 40 | 1 37 | 1 17 | 0 44 | 21 41 | 1 3 | 2 41 | 16 41 | 4 47 | 5 8 | 27 58 | 17 46 | 5 11 |
| S 12 | 3 50 | 28 27 | 5 9 | 3 0 | 1 28 | 15 29 | 0 8 | 13 33 | 0 9 | 22 42 | 0 34 | 21 40 | 1 37 | 1 15 | 0 44 | 21 41 | 1 3 | 2 41 | 16 41 | 4 47 | 5 7 | 27 57 | 17 46 | 5 12 |
| M13 | 3 28 | 27 37 | 5 14 | 2 11 | 1 24 | 15 10 | 0 11 | 13 46 | 0 10 | 22 41 | 0 34 | 21 40 | 1 37 | 1 14 | 0 44 | 21 41 | 1 3 | 2 40 | 16 40 | 4 46 | 5 5 | 27 57 | 17 45 | 5 12 |
| T 14 | 3 5 | 24 55 | 4 59 | 1 23 | 1 19 | 14 50 | 0 14 | 14 0 | 0 10 | 22 41 | 0 34 | 21 40 | 1 37 | 1 12 | 0 44 | 21 41 | 1 3 | 2 39 | 16 40 | 4 45 | 5 4 | 27 56 | 17 45 | 5 13 |
| W15 | 2 42 | 20 39 | 4 26 | 0 35 | 1 14 | 14 30 | 0 17 | 14 13 | 0 11 | 22 41 | 0 34 | 21 40 | 1 37 | 1 11 | 0 44 | 21 41 | 1 3 | 2 38 | 16 40 | 4 44 | 5 3 | 27 55 | 17 45 | 5 13 |
| T 16 | 2 19 | 15 12 | 3 36 | 0s12 | 1 9 | 14 10 | 0 20 | 14 26 | 0 12 | 22 41 | 0 34 | 21 40 | 1 37 | 1 9 | 0 44 | 21 41 | 1 3 | 2 37 | 16 39 | 4 43 | 5 2 | 27 55 | 17 44 | 5 13 |
| F 17 | 1 56 | 8 59 | 2 33 | 1 0 | 1 3 | 13 49 | 0 23 | 14 39 | 0 12 | 22 40 | 0 34 | 21 40 | 1 37 | 1 8 | 0 44 | 21 41 | 1 3 | 2 36 | 16 39 | 4 43 | 5 0 | 27 54 | 17 44 | 5 14 |
| S 18 | 1 33 | 2 25 | 1 21 | 1 47 | 0 57 | 13 28 | 0 26 | 14 52 | 0 13 | 22 40 | 0 34 | 21 40 | 1 37 | 1 7 | 0 44 | 21 41 | 1 3 | 2 35 | 16 39 | 4 42 | 4 59 | 27 54 | 17 43 | 5 14 |
| S 19 | 1 10 | 4s 8 | 0 7 | 2 34 | 0 51 | 13 6 | 0 28 | 15 5 | 0 14 | 22 40 | 0 34 | 21 40 | 1 38 | 1 5 | 0 44 | 21 41 | 1 3 | 2 34 | 16 38 | 4 42 | 4 58 | 27 53 | 17 43 | 5 15 |
| M20 | 0 47 | 10 20 | 1s 7 | 3 20 | 0 44 | 12 44 | 0 31 | 15 18 | 0 14 | 22 40 | 0 34 | 21 40 | 1 38 | 1 4 | 0 44 | 21 41 | 1 3 | 2 33 | 16 38 | 4 42 | 4 57 | 27 52 | 17 43 | 5 15 |
| T 21 | 0 24 | 15 56 | 2 15 | 4 6 | 0 38 | 12 22 | 0 34 | 15 30 | 0 15 | 22 40 | 0 34 | 21 39 | 1 38 | 1 2 | 0 44 | 21 41 | 1 3 | 2 32 | 16 38 | 4 42 | 4 55 | 27 52 | 17 42 | 5 16 |
| W22 | 0 1 | 20 43 | 3 14 | 4 51 | 0 31 | 11 59 | 0 37 | 15 43 | 0 16 | 22 39 | 0 34 | 21 39 | 1 38 | 1 1 | 0 44 | 21 41 | 1 3 | 2 31 | 16 37 | 4 43 | 4 54 | 27 51 | 17 42 | 5 16 |
| T 23 | 0s22 | 24 28 | 4 3 | 5 36 | 0 24 | 11 36 | 0 39 | 15 56 | 0 16 | 22 39 | 0 34 | 21 39 | 1 38 | 0 59 | 0 44 | 21 41 | 1 3 | 2 30 | 16 37 | 4 43 | 4 53 | 27 50 | 17 41 | 5 16 |
| F 24 | 0 45 | 27 3 | 4 40 | 6 20 | 0 17 | 11 12 | 0 42 | 16 8 | 0 17 | 22 39 | 0 34 | 21 39 | 1 38 | 0 58 | 0 44 | 21 41 | 1 3 | 2 29 | 16 37 | 4 44 | 4 52 | 27 50 | 17 41 | 5 17 |
| S 25 | 1 8 | 28 21 | 5 5 | 7 4 | 0 9 | 10 49 | 0 44 | 16 20 | 0 18 | 22 39 | 0 34 | 21 39 | 1 38 | 0 56 | 0 44 | 21 41 | 1 3 | 2 28 | 16 36 | 4 44 | 4 50 | 27 49 | 17 40 | 5 17 |
| S 26 | 1 31 | 28 19 | 5 16 | 7 47 | 0 2 | 10 25 | 0 47 | 16 33 | 0 18 | 22 38 | 0 34 | 21 39 | 1 38 | 0 55 | 0 44 | 21 41 | 1 3 | 2 28 | 16 36 | 4 44 | 4 49 | 27 48 | 17 40 | 5 18 |
| M27 | 1 54 | 26 59 | 5 13 | 8 30 | 0s 6 | 10 0 | 0 49 | 16 45 | 0 19 | 22 38 | 0 34 | 21 39 | 1 38 | 0 53 | 0 44 | 21 41 | 1 3 | 2 27 | 16 36 | 4 44 | 4 48 | 27 48 | 17 40 | 5 18 |
| T 28 | 2 17 | 24 25 | 4 57 | 9 11 | 0 13 | 9 36 | 0 52 | 16 57 | 0 20 | 22 38 | 0 34 | 21 39 | 1 39 | 0 52 | 0 44 | 21 41 | 1 2 | 2 26 | 16 36 | 4 43 | 4 47 | 27 47 | 17 39 | 5 19 |
| W29 | 2 40 | 20 46 | 4 28 | 9 52 | 0 21 | 9 11 | 0 54 | 17 9 | 0 20 | 22 38 | 0 34 | 21 39 | 1 39 | 0 50 | 0 44 | 21 41 | 1 2 | 2 25 | 16 35 | 4 43 | 4 46 | 27 46 | 17 39 | 5 19 |
| T 30 | 3s 3 | 16s11 | 3s46 | 10s33 | 0s29 | 8n46 | 0n56 | 17s20 | 0s21 | 22n38 | 0s34 | 21n39 | 1s39 | 0n49 | 0n44 | 21s41 | 1n 2 | 2n24 | 16n35 | 4n43 | 4n44 | 27s46 | 17n38 | 5s19 |

Julian Day Number = 2807169.5, Delta T = 52m03s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°22'11, Lahiri = 37°29'12


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# ASTRODIENST EPHEMERIS for the year 2973
# geocentric

## OCTOBER 2973 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 0 41 46 | 8♎41'53 | 8♓58 | 27♎50 | 10♍55 | 18♏19 | 5♋38 | 27♊28 | 29♍43 | 12♑34 | 5♏32 | 11°R59 | 12♈ 0 | 13♑32 | 20°R 5 | F 1 |
| S 2 | 0 45 42 | 9°40'21 | 21°46 | 29°19 | 12° 8 | 18°59 | 5°42 | 27°29 | 29°47 | 12°34 | 5°34 | 11♈58 | 11°56 | 13°39 | 20♊ 4 | S 2 |
| S 3 | 0 49 39 | 10°38'51 | 4♈50 | 0♏48 | 13°21 | 19°39 | 5°46 | 27°29 | 29°51 | 12°34 | 5°36 | 11°58 | 11°53 | 13°46 | 20° 4 | S 3 |
| M 4 | 0 53 35 | 11°37'22 | 18°12 | 2°15 | 14°34 | 20°19 | 5°50 | 27°30 | 29°54 | 12°34 | 5°39 | 11°58 | 11°50 | 13°52 | 20° 3 | M 4 |
| T 5 | 0 57 32 | 12°35'55 | 1♉48 | 3°41 | 15°48 | 21° 0 | 5°54 | 27°30 | 29°58 | 12°35 | 5°41 | 11°58 | 11°47 | 13°59 | 20° 3 | T 5 |
| W 6 | 1 1 29 | 13°34'31 | 15°39 | 5° 6 | 17° 1 | 21°40 | 5°58 | 27°31 | 0♎ 2 | 12°35 | 5°43 | 11°58 | 11°44 | 14° 6 | 20° 2 | W 6 |
| T 7 | 1 5 25 | 14°33'08 | 29°40 | 6°30 | 18°14 | 22°20 | 6° 1 | 27°31 | 0° 5 | 12°36 | 5°45 | 11°58 | 11°41 | 14°13 | 20° 1 | T 7 |
| F 8 | 1 9 22 | 15°31'48 | 13♊48 | 7°53 | 19°28 | 23° 1 | 6° 5 | 27°31 | 0° 9 | 12°36 | 5°48 | 11°58 | 11°37 | 14°19 | 20° 0 | F 8 |
| S 9 | 1 13 18 | 16°30'30 | 28° 1 | 9°14 | 20°41 | 23°41 | 6° 8 | 27°R31 | 0°13 | 12°37 | 5°50 | 11°57 | 11°34 | 14°26 | 19°59 | S 9 |
| S 10 | 1 17 15 | 17°29'14 | 12♋15 | 10°35 | 21°54 | 24°22 | 6°11 | 27°31 | 0°16 | 12°37 | 5°52 | 11°D57 | 11°31 | 14°33 | 19°59 | S 10 |
| M11 | 1 21 11 | 18°28'00 | 26°28 | 11°54 | 23° 8 | 25° 3 | 6°14 | 27°31 | 0°20 | 12°38 | 5°55 | 11°57 | 11°28 | 14°39 | 19°58 | M11 |
| T 12 | 1 25 8 | 19°26'49 | 10♌37 | 13°12 | 24°22 | 25°43 | 6°16 | 27°31 | 0°24 | 12°38 | 5°57 | 11°57 | 11°25 | 14°46 | 19°56 | T 12 |
| W13 | 1 29 4 | 20°25'40 | 24°41 | 14°28 | 25°35 | 26°24 | 6°19 | 27°30 | 0°27 | 12°39 | 5°59 | 11°58 | 11°22 | 14°53 | 19°55 | W13 |
| T 14 | 1 33 1 | 21°24'32 | 8♍37 | 15°43 | 26°49 | 27° 5 | 6°21 | 27°30 | 0°31 | 12°40 | 6° 2 | 11°59 | 11°18 | 15° 0 | 19°54 | T 14 |
| F 15 | 1 36 58 | 22°23'27 | 22°22 | 16°56 | 28° 3 | 27°46 | 6°23 | 27°29 | 0°35 | 12°40 | 6° 4 | 12° 0 | 11°15 | 15° 6 | 19°53 | F 15 |
| S 16 | 1 40 54 | 23°22'24 | 5♎56 | 18° 8 | 29°17 | 28°27 | 6°25 | 27°29 | 0°38 | 12°41 | 6° 6 | 12°R 0 | 11°12 | 15°13 | 19°51 | S 16 |
| S 17 | 1 44 51 | 24°21'24 | 19°16 | 19°18 | 0♎30 | 29° 8 | 6°26 | 27°28 | 0°42 | 12°42 | 6° 9 | 12° 0 | 11° 9 | 15°20 | 19°50 | S 17 |
| M18 | 1 48 47 | 25°20'25 | 2♏21 | 20°26 | 1°44 | 29°50 | 6°28 | 27°27 | 0°45 | 12°43 | 6°11 | 11°59 | 11° 6 | 15°27 | 19°49 | M18 |
| T 19 | 1 52 44 | 26°19'28 | 15°11 | 21°32 | 2°58 | 0♐31 | 6°29 | 27°26 | 0°49 | 12°43 | 6°13 | 11°58 | 11° 2 | 15°33 | 19°47 | T 19 |
| W20 | 1 56 40 | 27°18'33 | 27°46 | 22°36 | 4°12 | 1°12 | 6°30 | 27°25 | 0°52 | 12°44 | 6°16 | 11°56 | 10°59 | 15°40 | 19°46 | W20 |
| T 21 | 2 0 37 | 28°17'40 | 10♐ 6 | 23°37 | 5°26 | 1°54 | 6°31 | 27°23 | 0°56 | 12°45 | 6°18 | 11°53 | 10°56 | 15°47 | 19°44 | T 21 |
| F 22 | 2 4 33 | 29°16'49 | 22°15 | 24°36 | 6°40 | 2°35 | 6°31 | 27°22 | 0°59 | 12°46 | 6°20 | 11°51 | 10°53 | 15°53 | 19°42 | F 22 |
| S 23 | 2 8 30 | 0♏15'59 | 4♑14 | 25°32 | 7°55 | 3°17 | 6°32 | 27°21 | 1° 3 | 12°47 | 6°23 | 11°49 | 10°50 | 16° 0 | 19°40 | S 23 |
| S 24 | 2 12 27 | 1°15'12 | 16° 8 | 26°25 | 9° 9 | 3°58 | 6°32 | 27°19 | 1° 6 | 12°48 | 6°25 | 11°47 | 10°47 | 16° 7 | 19°39 | S 24 |
| M25 | 2 16 23 | 2°14'26 | 28° 0 | 27°15 | 10°23 | 4°40 | 6°R32 | 27°17 | 1° 9 | 12°49 | 6°28 | 11°D46 | 10°43 | 16°14 | 19°37 | M25 |
| T 26 | 2 20 20 | 3°13'41 | 9♒56 | 28° 2 | 11°37 | 5°22 | 6°32 | 27°16 | 1°13 | 12°50 | 6°30 | 11°46 | 10°40 | 16°20 | 19°35 | T 26 |
| W27 | 2 24 16 | 4°12'59 | 22° 0 | 28°44 | 12°51 | 6° 4 | 6°31 | 27°14 | 1°16 | 12°51 | 6°32 | 11°47 | 10°37 | 16°27 | 19°33 | W27 |
| T 28 | 2 28 13 | 5°12'18 | 4♓17 | 29°22 | 14° 6 | 6°46 | 6°31 | 27°12 | 1°19 | 12°52 | 6°35 | 11°49 | 10°34 | 16°34 | 19°31 | T 28 |
| F 29 | 2 32 9 | 6°11'39 | 16°50 | 29°55 | 15°20 | 7°28 | 6°30 | 27°10 | 1°23 | 12°53 | 6°37 | 11°50 | 10°31 | 16°40 | 19°29 | F 29 |
| S 30 | 2 36 6 | 7°11'01 | 29°45 | 0♐23 | 16°34 | 8°10 | 6°29 | 27° 7 | 1°26 | 12°54 | 6°40 | 11°52 | 10°28 | 16°47 | 19°27 | S 30 |
| S 31 | 2 40 2 | 8♏10'26 | 13♈ 1 | 0♐45 | 17♎49 | 8♐52 | 6♋28 | 27♊ 5 | 1♎29 | 12♑56 | 6♏42 | 11°R52 | 10♈24 | 16♑54 | 19♊24 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 3s26 | 10s50 | 2s53 | 11s13 | 0s36 | 8n20 | 0n58 | 17s32 | 0s21 | 22n37 | 0s34 | 21n39 | 1s39 | 0n47 | 0n44 | 21s42 | 1n 2 | 2n23 | 16n35 | 4n43 | 4n43 | 27s45 | 17n38 | 5s20 |
| S 2 | 3 49 | 4 56 | 1 50 | 11 52 | 0 44 | 7 54 | 1 1 | 17 44 | 0 22 | 22 37 | 0 34 | 21 39 | 1 39 | 0 46 | 0 44 | 21 42 | 1 2 | 2 22 | 16 35 | 4 43 | 4 42 | 27 44 | 17 37 | 5 20 |
| S 3 | 4 12 | 1n19 | 0 39 | 12 30 | 0 52 | 7 28 | 1 3 | 17 55 | 0 23 | 22 37 | 0 34 | 21 38 | 1 39 | 0 44 | 0 44 | 21 42 | 1 2 | 2 21 | 16 34 | 4 43 | 4 41 | 27 43 | 17 37 | 5 21 |
| M 4 | 4 34 | 7 38 | 0n34 | 13 7 | 0 59 | 7 2 | 1 5 | 18 7 | 0 23 | 22 37 | 0 34 | 21 38 | 1 39 | 0 43 | 0 44 | 21 42 | 1 2 | 2 20 | 16 34 | 4 43 | 4 39 | 27 43 | 17 36 | 5 21 |
| T 5 | 4 57 | 13 44 | 1 48 | 13 44 | 1 7 | 6 36 | 1 7 | 18 18 | 0 24 | 22 37 | 0 34 | 21 38 | 1 39 | 0 41 | 0 44 | 21 42 | 1 2 | 2 19 | 16 34 | 4 43 | 4 38 | 27 42 | 17 36 | 5 22 |
| W 6 | 5 20 | 19 15 | 2 56 | 14 20 | 1 15 | 6 9 | 1 8 | 18 29 | 0 24 | 22 37 | 0 34 | 21 38 | 1 39 | 0 40 | 0 44 | 21 42 | 1 2 | 2 18 | 16 34 | 4 43 | 4 37 | 27 41 | 17 35 | 5 22 |
| T 7 | 5 42 | 23 47 | 3 54 | 14 55 | 1 22 | 5 42 | 1 10 | 18 40 | 0 25 | 22 36 | 0 34 | 21 38 | 1 39 | 0 38 | 0 44 | 21 42 | 1 2 | 2 18 | 16 33 | 4 42 | 4 36 | 27 40 | 17 35 | 5 22 |
| F 8 | 6 5 | 26 58 | 4 39 | 15 29 | 1 30 | 5 15 | 1 12 | 18 51 | 0 26 | 22 36 | 0 34 | 21 38 | 1 40 | 0 37 | 0 44 | 21 42 | 1 2 | 2 17 | 16 33 | 4 42 | 4 34 | 27 40 | 17 34 | 5 23 |
| S 9 | 6 27 | 28 25 | 5 7 | 16 2 | 1 37 | 4 48 | 1 14 | 19 1 | 0 26 | 22 36 | 0 34 | 21 38 | 1 40 | 0 35 | 0 44 | 21 42 | 1 2 | 2 16 | 16 33 | 4 42 | 4 33 | 27 39 | 17 34 | 5 23 |
| S 10 | 6 50 | 28 1 | 5 17 | 16 35 | 1 45 | 4 21 | 1 15 | 19 12 | 0 27 | 22 36 | 0 34 | 21 38 | 1 40 | 0 34 | 0 44 | 21 42 | 1 2 | 2 15 | 16 33 | 4 42 | 4 32 | 27 38 | 17 33 | 5 24 |
| M11 | 7 12 | 25 46 | 5 7 | 17 6 | 1 52 | 3 53 | 1 17 | 19 22 | 0 27 | 22 36 | 0 34 | 21 38 | 1 40 | 0 33 | 0 44 | 21 42 | 1 2 | 2 14 | 16 33 | 4 42 | 4 31 | 27 37 | 17 33 | 5 24 |
| T 12 | 7 34 | 21 56 | 4 38 | 17 37 | 1 59 | 3 26 | 1 18 | 19 33 | 0 28 | 22 36 | 0 34 | 21 38 | 1 40 | 0 31 | 0 44 | 21 42 | 1 2 | 2 13 | 16 33 | 4 42 | 4 29 | 27 36 | 17 33 | 5 25 |
| W13 | 7 56 | 16 53 | 3 53 | 18 6 | 2 6 | 2 58 | 1 20 | 19 43 | 0 29 | 22 36 | 0 34 | 21 37 | 1 40 | 0 30 | 0 44 | 21 42 | 1 2 | 2 12 | 16 32 | 4 42 | 4 28 | 27 36 | 17 32 | 5 25 |
| T 14 | 8 18 | 11 0 | 2 54 | 18 35 | 2 13 | 2 30 | 1 21 | 19 53 | 0 29 | 22 36 | 0 34 | 21 37 | 1 40 | 0 28 | 0 44 | 21 41 | 1 2 | 2 12 | 16 32 | 4 43 | 4 27 | 27 35 | 17 32 | 5 25 |
| F 15 | 8 40 | 4 39 | 1 47 | 19 2 | 2 19 | 2 2 | 1 22 | 20 3 | 0 30 | 22 35 | 0 34 | 21 37 | 1 40 | 0 27 | 0 44 | 21 41 | 1 2 | 2 11 | 16 32 | 4 43 | 4 26 | 27 34 | 17 31 | 5 26 |
| S 16 | 9 2 | 1s50 | 0 34 | 19 29 | 2 26 | 1 34 | 1 24 | 20 12 | 0 30 | 22 35 | 0 34 | 21 37 | 1 40 | 0 25 | 0 44 | 21 41 | 1 2 | 2 10 | 16 32 | 4 43 | 4 25 | 27 33 | 17 31 | 5 26 |
| S 17 | 9 24 | 8 7 | 0s40 | 19 54 | 2 32 | 1 6 | 1 25 | 20 22 | 0 31 | 22 35 | 0 34 | 21 37 | 1 40 | 0 24 | 0 44 | 21 41 | 1 2 | 2 9 | 16 32 | 4 43 | 4 23 | 27 32 | 17 30 | 5 27 |
| M18 | 9 45 | 13 57 | 1 50 | 20 18 | 2 38 | 0 38 | 1 26 | 20 31 | 0 31 | 22 35 | 0 34 | 21 37 | 1 41 | 0 23 | 0 44 | 21 41 | 1 2 | 2 8 | 16 32 | 4 43 | 4 22 | 27 31 | 17 30 | 5 27 |
| T 19 | 10 7 | 19 4 | 2 53 | 20 41 | 2 44 | 0 9 | 1 27 | 20 41 | 0 32 | 22 35 | 0 34 | 21 37 | 1 41 | 0 21 | 0 44 | 21 41 | 1 2 | 2 7 | 16 32 | 4 42 | 4 21 | 27 31 | 17 29 | 5 27 |
| W20 | 10 28 | 23 14 | 3 46 | 21 3 | 2 49 | 0s19 | 1 28 | 20 50 | 0 33 | 22 35 | 0 34 | 21 37 | 1 41 | 0 20 | 0 44 | 21 41 | 1 2 | 2 7 | 16 32 | 4 42 | 4 20 | 27 30 | 17 29 | 5 28 |
| T 21 | 10 49 | 26 16 | 4 28 | 21 23 | 2 54 | 0 48 | 1 29 | 20 58 | 0 33 | 22 35 | 0 34 | 21 37 | 1 41 | 0 19 | 0 44 | 21 41 | 1 1 | 2 6 | 16 32 | 4 41 | 4 18 | 27 29 | 17 28 | 5 28 |
| F 22 | 11 10 | 28 2 | 4 57 | 21 42 | 2 59 | 1 16 | 1 29 | 21 7 | 0 34 | 22 35 | 0 34 | 21 36 | 1 41 | 0 17 | 0 44 | 21 41 | 1 1 | 2 5 | 16 31 | 4 40 | 4 17 | 27 28 | 17 28 | 5 29 |
| S 23 | 11 30 | 28 27 | 5 12 | 22 0 | 3 3 | 1 44 | 1 30 | 21 16 | 0 34 | 22 35 | 0 34 | 21 36 | 1 41 | 0 16 | 0 44 | 21 41 | 1 1 | 2 4 | 16 31 | 4 39 | 4 16 | 27 27 | 17 27 | 5 29 |
| S 24 | 11 51 | 27 32 | 5 14 | 22 17 | 3 6 | 2 13 | 1 31 | 21 24 | 0 35 | 22 35 | 0 34 | 21 36 | 1 41 | 0 15 | 0 44 | 21 41 | 1 1 | 2 3 | 16 31 | 4 38 | 4 15 | 27 26 | 17 26 | 5 29 |
| M25 | 12 11 | 25 23 | 5 2 | 22 31 | 3 10 | 2 41 | 1 31 | 21 32 | 0 35 | 22 35 | 0 34 | 21 36 | 1 41 | 0 13 | 0 44 | 21 41 | 1 1 | 2 3 | 16 31 | 4 38 | 4 13 | 27 25 | 17 26 | 5 30 |
| T 26 | 12 32 | 22 7 | 4 38 | 22 44 | 3 12 | 3 10 | 1 32 | 21 40 | 0 36 | 22 35 | 0 34 | 21 36 | 1 41 | 0 12 | 0 44 | 21 41 | 1 1 | 2 2 | 16 31 | 4 38 | 4 12 | 27 24 | 17 25 | 5 30 |
| W27 | 12 52 | 17 54 | 4 1 | 22 56 | 3 14 | 3 38 | 1 32 | 21 48 | 0 36 | 22 35 | 0 34 | 21 36 | 1 41 | 0 11 | 0 44 | 21 41 | 1 1 | 2 1 | 16 31 | 4 38 | 4 11 | 27 23 | 17 25 | 5 30 |
| T 28 | 13 11 | 12 52 | 3 12 | 23 6 | 3 16 | 4 6 | 1 33 | 21 56 | 0 37 | 22 35 | 0 34 | 21 36 | 1 41 | 0 9 | 0 44 | 21 41 | 1 1 | 2 0 | 16 31 | 4 39 | 4 10 | 27 22 | 17 24 | 5 31 |
| F 29 | 13 31 | 7 13 | 2 13 | 23 13 | 3 16 | 4 35 | 1 33 | 22 3 | 0 37 | 22 35 | 0 34 | 21 36 | 1 42 | 0 8 | 0 44 | 21 41 | 1 1 | 2 0 | 16 31 | 4 39 | 4 8 | 27 21 | 17 24 | 5 31 |
| S 30 | 13 50 | 1 7 | 1 6 | 23 19 | 3 16 | 5 3 | 1 33 | 22 11 | 0 38 | 22 35 | 0 34 | 21 35 | 1 42 | 0 7 | 0 44 | 21 41 | 1 1 | 1 59 | 16 31 | 4 40 | 4 7 | 27 20 | 17 23 | 5 31 |
| S 31 | 14s10 | 5n13 | 0n 6 | 23s23 | 3s15 | 5s31 | 1n33 | 22s18 | 0s38 | 22n35 | 0s34 | 21n35 | 1s42 | 0n 6 | 0n44 | 21s41 | 1n 1 | 1n58 | 16n31 | 4n40 | 4n 6 | 27s19 | 17n23 | 5s32 |

Julian Day Number = 2807199.5, Delta T = 52m03s
Ecliptic obliquity = 23°18'57, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°22'16, Lahiri = 37°29'16


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# ASTRODIENST EPHEMERIS for the year 2973
# geocentric

## NOVEMBER 2973 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 2 43 59 | 9♏ 9'52 | 26♈40 | 1♐ 1 | 19♎ 3 | 9♐34 | 6°R26 | 27°R 3 | 1♎32 | 12♑57 | 6♏44 | 11°R51 | 10♈21 | 17♑ 1 | 19°R22 | M 1 |
| T 2 | 2 47 55 | 10° 9'20 | 10♉41 | 1°11 | 20°18 | 10°16 | 6♋25 | 27♊ 0 | 1°35 | 12°58 | 6°47 | 11♈49 | 10°18 | 17° 7 | 19♊20 | T 2 |
| W 3 | 2 51 52 | 11° 8'50 | 24°59 | 1°R13 | 21°32 | 10°58 | 6°23 | 26°58 | 1°39 | 12°59 | 6°49 | 11°46 | 10°15 | 17°14 | 19°17 | W 3 |
| T 4 | 2 55 49 | 12° 8'23 | 9♊30 | 1° 7 | 22°47 | 11°41 | 6°21 | 26°55 | 1°42 | 13° 1 | 6°51 | 11°41 | 10°12 | 17°21 | 19°15 | T 4 |
| F 5 | 2 59 45 | 13° 7'57 | 24° 6 | 0°53 | 24° 2 | 12°23 | 6°19 | 26°52 | 1°45 | 13° 2 | 6°54 | 11°37 | 10° 8 | 17°28 | 19°13 | F 5 |
| S 6 | 3 3 42 | 14° 7'34 | 8♋41 | 0°30 | 25°16 | 13° 6 | 6°16 | 26°50 | 1°48 | 13° 3 | 6°56 | 11°33 | 10° 5 | 17°34 | 19°10 | S 6 |
| S 7 | 3 7 38 | 15° 7'13 | 23°10 | 29♏58 | 26°31 | 13°48 | 6°14 | 26°47 | 1°51 | 13° 5 | 6°59 | 11°29 | 10° 2 | 17°41 | 19° 8 | S 7 |
| M 8 | 3 11 35 | 16° 6'54 | 7♌27 | 29°17 | 27°46 | 14°31 | 6°11 | 26°44 | 1°54 | 13° 6 | 7° 1 | 11°28 | 9°59 | 17°48 | 19° 5 | M 8 |
| T 9 | 3 15 31 | 17° 6'37 | 21°32 | 28°28 | 29° 0 | 15°14 | 6° 8 | 26°40 | 1°57 | 13° 7 | 7° 3 | 11°D27 | 9°56 | 17°54 | 19° 2 | T 9 |
| W10 | 3 19 28 | 18° 6'22 | 5♍21 | 27°31 | 0♏15 | 15°57 | 6° 5 | 26°37 | 2° 0 | 13° 9 | 7° 6 | 11°28 | 9°53 | 18° 1 | 19° 0 | W10 |
| T 11 | 3 23 25 | 19° 6'10 | 18°57 | 26°26 | 1°30 | 16°39 | 6° 1 | 26°34 | 2° 3 | 13°10 | 7° 8 | 11°30 | 9°49 | 18° 8 | 18°57 | T 11 |
| F 12 | 3 27 21 | 20° 6'00 | 2♎18 | 25°15 | 2°45 | 17°22 | 5°58 | 26°31 | 2° 5 | 13°12 | 7°10 | 11°31 | 9°46 | 18°15 | 18°54 | F 12 |
| S 13 | 3 31 18 | 21° 5'52 | 15°27 | 24° 0 | 3°59 | 18° 5 | 5°54 | 26°27 | 2° 8 | 13°13 | 7°13 | 11°R31 | 9°43 | 18°21 | 18°51 | S 13 |
| S 14 | 3 35 14 | 22° 5'46 | 28°23 | 22°43 | 5°14 | 18°48 | 5°50 | 26°24 | 2°11 | 13°15 | 7°15 | 11°30 | 9°40 | 18°28 | 18°48 | S 14 |
| M15 | 3 39 11 | 23° 5'42 | 11♏ 9 | 21°26 | 6°29 | 19°31 | 5°46 | 26°20 | 2°14 | 13°17 | 7°18 | 11°27 | 9°37 | 18°35 | 18°46 | M15 |
| T 16 | 3 43 7 | 24° 5'39 | 23°43 | 20°12 | 7°44 | 20°15 | 5°42 | 26°16 | 2°16 | 13°18 | 7°20 | 11°21 | 9°34 | 18°41 | 18°43 | T 16 |
| W17 | 3 47 4 | 25° 5'39 | 6♐ 6 | 19° 2 | 8°59 | 20°58 | 5°37 | 26°12 | 2°19 | 13°20 | 7°22 | 11°14 | 9°30 | 18°48 | 18°40 | W17 |
| T 18 | 3 51 0 | 26° 5'41 | 18°19 | 18° 0 | 10°14 | 21°41 | 5°32 | 26° 9 | 2°22 | 13°22 | 7°24 | 11° 5 | 9°27 | 18°55 | 18°37 | T 18 |
| F 19 | 3 54 57 | 27° 5'44 | 0♑23 | 17° 7 | 11°29 | 22°25 | 5°28 | 26° 5 | 2°24 | 13°23 | 7°27 | 10°56 | 9°24 | 19° 2 | 18°34 | F 19 |
| S 20 | 3 58 54 | 28° 5'49 | 12°20 | 16°23 | 12°44 | 23° 8 | 5°22 | 26° 1 | 2°27 | 13°25 | 7°29 | 10°48 | 9°21 | 19° 8 | 18°31 | S 20 |
| S 21 | 4 2 50 | 29° 5'56 | 24°12 | 15°51 | 13°59 | 23°52 | 5°17 | 25°57 | 2°29 | 13°27 | 7°31 | 10°40 | 9°18 | 19°15 | 18°28 | S 21 |
| M22 | 4 6 47 | 0♐ 6'04 | 6♒ 3 | 15°30 | 15°14 | 24°35 | 5°12 | 25°53 | 2°32 | 13°28 | 7°34 | 10°35 | 9°14 | 19°22 | 18°25 | M22 |
| T 23 | 4 10 43 | 1° 6'14 | 17°56 | 15°D21 | 16°29 | 25°19 | 5° 6 | 25°48 | 2°34 | 13°30 | 7°36 | 10°32 | 9°11 | 19°29 | 18°21 | T 23 |
| W24 | 4 14 40 | 2° 6'25 | 29°56 | 15°24 | 17°44 | 26° 2 | 5° 1 | 25°44 | 2°37 | 13°32 | 7°38 | 10°D31 | 9° 8 | 19°35 | 18°18 | W24 |
| T 25 | 4 18 36 | 3° 6'38 | 12♓ 8 | 15°37 | 18°59 | 26°46 | 4°55 | 25°40 | 2°39 | 13°34 | 7°40 | 10°31 | 9° 5 | 19°42 | 18°15 | T 25 |
| F 26 | 4 22 33 | 4° 6'51 | 24°38 | 16° 0 | 20°14 | 27°30 | 4°49 | 25°36 | 2°41 | 13°36 | 7°42 | 10°32 | 9° 2 | 19°49 | 18°12 | F 26 |
| S 27 | 4 26 29 | 5° 7'07 | 7♈30 | 16°33 | 21°30 | 28°14 | 4°43 | 25°31 | 2°43 | 13°37 | 7°45 | 10°R33 | 8°59 | 19°55 | 18° 9 | S 27 |
| S 28 | 4 30 26 | 6° 7'23 | 20°48 | 17°14 | 22°45 | 28°58 | 4°37 | 25°27 | 2°46 | 13°39 | 7°47 | 10°33 | 8°55 | 20° 2 | 18° 5 | S 28 |
| M29 | 4 34 23 | 7° 7'42 | 4♉34 | 18° 2 | 24° 0 | 29°42 | 4°30 | 25°22 | 2°48 | 13°41 | 7°49 | 10°30 | 8°52 | 20° 9 | 18° 2 | M29 |
| T 30 | 4 38 19 | 8♐ 8'01 | 18♉48 | 18♏57 | 25♏15 | 0♑26 | 4♋24 | 25♊18 | 2♎50 | 13♑43 | 7♏51 | 10♈25 | 8♈49 | 20♑16 | 17♊59 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14s29 | 11n29 | 1n20 | 23s24 | 3s12 | 5s59 | 1n33 | 22s25 | 0s39 | 22n35 | 0s34 | 21n35 | 1s42 | 0n 4 | 0n44 | 21s41 | 1n 1 | 1n57 | 16n31 | 4n40 | 4n 5 | 27s19 | 17n22 | 5s32 |
| T 2 | 14 47 | 17 21 | 2 31 | 23 22 | 3 9 | 6 27 | 1 33 | 22 31 | 0 39 | 22 36 | 0 34 | 21 35 | 1 42 | 0 3 | 0 44 | 21 41 | 1 1 | 1 57 | 16 31 | 4 39 | 4 3 | 27 18 | 17 22 | 5 32 |
| W 3 | 15 6 | 22 23 | 3 34 | 23 18 | 3 4 | 6 55 | 1 33 | 22 38 | 0 40 | 22 36 | 0 34 | 21 35 | 1 42 | 0 2 | 0 44 | 21 40 | 1 1 | 1 56 | 16 31 | 4 38 | 4 2 | 27 17 | 17 21 | 5 33 |
| T 4 | 15 24 | 26 7 | 4 24 | 23 11 | 2 58 | 7 22 | 1 33 | 22 44 | 0 40 | 22 36 | 0 34 | 21 35 | 1 42 | 0 1 | 0 45 | 21 40 | 1 1 | 1 55 | 16 31 | 4 36 | 4 1 | 27 16 | 17 21 | 5 33 |
| F 5 | 15 42 | 28 8 | 4 57 | 23 1 | 2 51 | 7 50 | 1 33 | 22 50 | 0 41 | 22 36 | 0 34 | 21 35 | 1 42 | 0s 1 | 0 45 | 21 40 | 1 1 | 1 55 | 16 31 | 4 34 | 4 0 | 27 15 | 17 20 | 5 33 |
| S 6 | 16 0 | 28 12 | 5 11 | 22 47 | 2 41 | 8 17 | 1 33 | 22 56 | 0 41 | 22 36 | 0 34 | 21 35 | 1 42 | 0 2 | 0 45 | 21 40 | 1 1 | 1 54 | 16 31 | 4 33 | 3 59 | 27 14 | 17 20 | 5 34 |
| S 7 | 16 17 | 26 21 | 5 5 | 22 30 | 2 31 | 8 45 | 1 32 | 23 2 | 0 42 | 22 36 | 0 34 | 21 35 | 1 42 | 0 3 | 0 45 | 21 40 | 1 1 | 1 53 | 16 32 | 4 31 | 3 57 | 27 13 | 17 19 | 5 34 |
| M 8 | 16 34 | 22 50 | 4 40 | 22 9 | 2 18 | 9 12 | 1 32 | 23 7 | 0 42 | 22 36 | 0 34 | 21 34 | 1 42 | 0 4 | 0 45 | 21 40 | 1 1 | 1 53 | 16 32 | 4 31 | 3 56 | 27 12 | 17 19 | 5 34 |
| T 9 | 16 51 | 18 1 | 3 59 | 21 44 | 2 4 | 9 38 | 1 31 | 23 13 | 0 43 | 22 36 | 0 34 | 21 34 | 1 42 | 0 5 | 0 45 | 21 40 | 1 1 | 1 52 | 16 32 | 4 31 | 3 55 | 27 10 | 17 18 | 5 35 |
| W10 | 17 8 | 12 21 | 3 4 | 21 16 | 1 48 | 10 5 | 1 31 | 23 18 | 0 43 | 22 37 | 0 34 | 21 34 | 1 42 | 0 6 | 0 45 | 21 40 | 1 1 | 1 52 | 16 32 | 4 31 | 3 54 | 27 9 | 17 18 | 5 35 |
| T 11 | 17 24 | 6 11 | 2 0 | 20 44 | 1 31 | 10 31 | 1 30 | 23 23 | 0 44 | 22 37 | 0 34 | 21 34 | 1 42 | 0 7 | 0 45 | 21 40 | 1 1 | 1 51 | 16 32 | 4 32 | 3 52 | 27 8 | 17 17 | 5 35 |
| F 12 | 17 41 | 0s 9 | 0 50 | 20 9 | 1 12 | 10 58 | 1 29 | 23 27 | 0 44 | 22 37 | 0 34 | 21 34 | 1 42 | 0 9 | 0 45 | 21 40 | 1 1 | 1 50 | 16 32 | 4 32 | 3 51 | 27 7 | 17 17 | 5 36 |
| S 13 | 17 56 | 6 23 | 0s21 | 19 31 | 0 52 | 11 24 | 1 29 | 23 32 | 0 45 | 22 37 | 0 34 | 21 34 | 1 42 | 0 10 | 0 45 | 21 39 | 1 1 | 1 50 | 16 32 | 4 32 | 3 50 | 27 6 | 17 16 | 5 36 |
| S 14 | 18 12 | 12 15 | 1 30 | 18 52 | 0 32 | 11 49 | 1 28 | 23 36 | 0 45 | 22 37 | 0 34 | 21 34 | 1 42 | 0 11 | 0 45 | 21 39 | 1 1 | 1 49 | 16 32 | 4 32 | 3 49 | 27 5 | 17 16 | 5 36 |
| M15 | 18 27 | 17 31 | 2 33 | 18 13 | 0 11 | 12 15 | 1 27 | 23 40 | 0 46 | 22 38 | 0 34 | 21 33 | 1 42 | 0 12 | 0 45 | 21 39 | 1 1 | 1 49 | 16 32 | 4 30 | 3 47 | 27 4 | 17 15 | 5 36 |
| T 16 | 18 42 | 21 58 | 3 28 | 17 33 | 0n 9 | 12 40 | 1 26 | 23 43 | 0 46 | 22 38 | 0 34 | 21 33 | 1 42 | 0 13 | 0 45 | 21 39 | 1 1 | 1 48 | 16 33 | 4 28 | 3 46 | 27 3 | 17 15 | 5 37 |
| W17 | 18 56 | 25 21 | 4 12 | 16 56 | 0 29 | 13 5 | 1 25 | 23 47 | 0 46 | 22 38 | 0 34 | 21 33 | 1 43 | 0 14 | 0 45 | 21 39 | 1 0 | 1 47 | 16 33 | 4 25 | 3 45 | 27 2 | 17 14 | 5 37 |
| T 18 | 19 11 | 27 31 | 4 43 | 16 20 | 0 48 | 13 29 | 1 24 | 23 50 | 0 47 | 22 38 | 0 34 | 21 33 | 1 43 | 0 15 | 0 45 | 21 39 | 1 0 | 1 47 | 16 33 | 4 22 | 3 44 | 27 1 | 17 14 | 5 37 |
| F 19 | 19 25 | 28 21 | 5 2 | 15 49 | 1 5 | 13 53 | 1 23 | 23 53 | 0 47 | 22 39 | 0 34 | 21 33 | 1 43 | 0 16 | 0 45 | 21 39 | 1 0 | 1 46 | 16 33 | 4 18 | 3 42 | 27 0 | 17 13 | 5 37 |
| S 20 | 19 38 | 27 50 | 5 7 | 15 21 | 1 21 | 14 17 | 1 21 | 23 56 | 0 48 | 22 39 | 0 34 | 21 33 | 1 43 | 0 17 | 0 45 | 21 39 | 1 0 | 1 46 | 16 33 | 4 15 | 3 41 | 26 59 | 17 13 | 5 38 |
| S 21 | 19 51 | 26 4 | 4 59 | 14 59 | 1 35 | 14 41 | 1 20 | 23 59 | 0 48 | 22 39 | 0 33 | 21 33 | 1 43 | 0 18 | 0 45 | 21 38 | 1 0 | 1 45 | 16 33 | 4 12 | 3 40 | 26 57 | 17 12 | 5 38 |
| M22 | 20 4 | 23 9 | 4 37 | 14 41 | 1 47 | 15 4 | 1 19 | 24 1 | 0 49 | 22 39 | 0 33 | 21 33 | 1 43 | 0 19 | 0 45 | 21 38 | 1 0 | 1 45 | 16 34 | 4 10 | 3 39 | 26 56 | 17 12 | 5 38 |
| T 23 | 20 16 | 19 15 | 4 4 | 14 29 | 1 57 | 15 27 | 1 17 | 24 3 | 0 49 | 22 40 | 0 33 | 21 32 | 1 43 | 0 20 | 0 45 | 21 38 | 1 0 | 1 44 | 16 34 | 4 9 | 3 37 | 26 55 | 17 11 | 5 38 |
| W24 | 20 29 | 14 34 | 3 20 | 14 22 | 2 5 | 15 49 | 1 16 | 24 5 | 0 49 | 22 40 | 0 33 | 21 32 | 1 43 | 0 21 | 0 45 | 21 38 | 1 0 | 1 44 | 16 34 | 4 8 | 3 36 | 26 54 | 17 11 | 5 38 |
| T 25 | 20 40 | 9 14 | 2 26 | 14 20 | 2 12 | 16 11 | 1 15 | 24 6 | 0 50 | 22 40 | 0 33 | 21 32 | 1 43 | 0 21 | 0 45 | 21 38 | 1 0 | 1 43 | 16 34 | 4 9 | 3 35 | 26 53 | 17 11 | 5 39 |
| F 26 | 20 52 | 3 25 | 1 24 | 14 22 | 2 17 | 16 32 | 1 13 | 24 8 | 0 50 | 22 41 | 0 33 | 21 32 | 1 43 | 0 22 | 0 45 | 21 38 | 1 0 | 1 43 | 16 35 | 4 9 | 3 34 | 26 52 | 17 10 | 5 39 |
| S 27 | 21 3 | 2n43 | 0 16 | 14 28 | 2 20 | 16 54 | 1 11 | 24 9 | 0 51 | 22 41 | 0 33 | 21 32 | 1 43 | 0 23 | 0 45 | 21 37 | 1 0 | 1 43 | 16 35 | 4 9 | 3 32 | 26 51 | 17 10 | 5 39 |
| S 28 | 21 13 | 8 56 | 0n55 | 14 38 | 2 21 | 17 14 | 1 10 | 24 10 | 0 51 | 22 41 | 0 33 | 21 32 | 1 43 | 0 24 | 0 45 | 21 37 | 1 0 | 1 42 | 16 35 | 4 9 | 3 31 | 26 49 | 17 9 | 5 39 |
| M29 | 21 23 | 14 56 | 2 5 | 14 50 | 2 22 | 17 34 | 1 8 | 24 10 | 0 51 | 22 41 | 0 33 | 21 32 | 1 43 | 0 25 | 0 45 | 21 37 | 1 0 | 1 42 | 16 35 | 4 8 | 3 30 | 26 48 | 17 9 | 5 39 |
| T 30 | 21s33 | 20n22 | 3n 9 | 15s 6 | 2n21 | 17s54 | 1n 6 | 24s11 | 0s52 | 22n42 | 0s33 | 21n31 | 1s43 | 0s26 | 0n45 | 21s37 | 1n 0 | 1n41 | 16n36 | 4n 6 | 3n29 | 26s47 | 17n 8 | 5s39 |

Julian Day Number = 2807230.5, Delta T = 52m04s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°22'20, Lahiri = 37°29'20


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# ASTRODIENST EPHEMERIS for the year 2973
# geocentric

## DECEMBER 2973 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 4 42 16 | 9♐ 8'23 | 3♊25 | 19♏57 | 26♏30 | 1♑10 | 4°R17 | 25°R13 | 2♎52 | 13♑45 | 7♏53 | 10°R18 | 8♈46 | 20♑22 | 17°R56 | W 1 |
| T 2 | 4 46 12 | 10° 8'46 | 18°20 | 21° 3 | 27°45 | 1°54 | 4♋10 | 25♊ 9 | 2°54 | 13°47 | 7°55 | 10♈ 9 | 8°43 | 20°29 | 17♊52 | T 2 |
| F 3 | 4 50 9 | 11° 9'10 | 3♋23 | 22°13 | 29° 1 | 2°38 | 4° 3 | 25° 4 | 2°56 | 13°49 | 7°58 | 9°59 | 8°40 | 20°36 | 17°49 | F 3 |
| S 4 | 4 54 5 | 12° 9'36 | 18°25 | 23°27 | 0♐16 | 3°23 | 3°56 | 24°59 | 2°58 | 13°51 | 8° 0 | 9°50 | 8°36 | 20°42 | 17°46 | S 4 |
| S 5 | 4 58 2 | 13°10'04 | 3♌16 | 24°44 | 1°31 | 4° 7 | 3°49 | 24°54 | 2°59 | 13°53 | 8° 2 | 9°42 | 8°33 | 20°49 | 17°42 | S 5 |
| M 6 | 5 1 58 | 14°10'34 | 17°50 | 26° 4 | 2°46 | 4°51 | 3°42 | 24°50 | 3° 1 | 13°55 | 8° 4 | 9°37 | 8°30 | 20°56 | 17°39 | M 6 |
| T 7 | 5 5 55 | 15°11'05 | 2♍ 2 | 27°26 | 4° 2 | 5°36 | 3°34 | 24°45 | 3° 3 | 13°57 | 8° 6 | 9°34 | 8°27 | 21° 3 | 17°36 | T 7 |
| W 8 | 5 9 52 | 16°11'38 | 15°51 | 28°50 | 5°17 | 6°21 | 3°27 | 24°40 | 3° 5 | 13°59 | 8° 8 | 9°D34 | 8°24 | 21° 9 | 17°32 | W 8 |
| T 9 | 5 13 48 | 17°12'13 | 29°19 | 0♐15 | 6°32 | 7° 5 | 3°19 | 24°35 | 3° 6 | 14° 1 | 8°10 | 9°34 | 8°20 | 21°16 | 17°29 | T 9 |
| F 10 | 5 17 45 | 18°12'49 | 12♎27 | 1°42 | 7°48 | 7°50 | 3°12 | 24°30 | 3° 8 | 14° 3 | 8°12 | 9°R34 | 8°17 | 21°23 | 17°26 | F 10 |
| S 11 | 5 21 41 | 19°13'27 | 25°19 | 3°10 | 9° 3 | 8°34 | 3° 4 | 24°26 | 3°10 | 14° 5 | 8°14 | 9°33 | 8°14 | 21°30 | 17°22 | S 11 |
| S 12 | 5 25 38 | 20°14'07 | 7♏57 | 4°39 | 10°18 | 9°19 | 2°56 | 24°21 | 3°11 | 14° 7 | 8°16 | 9°30 | 8°11 | 21°36 | 17°19 | S 12 |
| M13 | 5 29 34 | 21°14'48 | 20°25 | 6° 9 | 11°34 | 10° 4 | 2°48 | 24°16 | 3°12 | 14°10 | 8°17 | 9°23 | 8° 8 | 21°43 | 17°16 | M13 |
| T 14 | 5 33 31 | 22°15'30 | 2♐43 | 7°39 | 12°49 | 10°49 | 2°41 | 24°11 | 3°14 | 14°12 | 8°19 | 9°14 | 8° 5 | 21°50 | 17°12 | T 14 |
| W15 | 5 37 28 | 23°16'14 | 14°54 | 9°10 | 14° 5 | 11°34 | 2°33 | 24° 6 | 3°15 | 14°14 | 8°21 | 9° 2 | 8° 1 | 21°56 | 17° 9 | W15 |
| T 16 | 5 41 24 | 24°17'00 | 26°58 | 10°42 | 15°20 | 12°19 | 2°25 | 24° 1 | 3°16 | 14°16 | 8°23 | 8°48 | 7°58 | 22° 3 | 17° 6 | T 16 |
| F 17 | 5 45 21 | 25°17'46 | 8♑56 | 12°14 | 16°35 | 13° 4 | 2°17 | 23°56 | 3°18 | 14°18 | 8°25 | 8°33 | 7°55 | 22°10 | 17° 2 | F 17 |
| S 18 | 5 49 17 | 26°18'34 | 20°49 | 13°46 | 17°51 | 13°49 | 2° 8 | 23°51 | 3°19 | 14°20 | 8°27 | 8°19 | 7°52 | 22°17 | 16°59 | S 18 |
| S 19 | 5 53 14 | 27°19'22 | 2♒40 | 15°18 | 19° 6 | 14°34 | 2° 0 | 23°46 | 3°20 | 14°22 | 8°28 | 8° 7 | 7°49 | 22°23 | 16°56 | S 19 |
| M20 | 5 57 10 | 28°20'12 | 14°30 | 16°50 | 20°22 | 15°19 | 1°52 | 23°41 | 3°21 | 14°25 | 8°30 | 7°57 | 7°46 | 22°30 | 16°52 | M20 |
| T 21 | 6 1 7 | 29°21'02 | 26°22 | 18°23 | 21°37 | 16° 5 | 1°44 | 23°37 | 3°22 | 14°27 | 8°32 | 7°50 | 7°42 | 22°37 | 16°49 | T 21 |
| W22 | 6 5 3 | 0♑21'53 | 8♓20 | 19°56 | 22°52 | 16°50 | 1°36 | 23°32 | 3°23 | 14°29 | 8°34 | 7°46 | 7°39 | 22°43 | 16°46 | W22 |
| T 23 | 6 9 0 | 1°22'45 | 20°29 | 21°29 | 24° 8 | 17°35 | 1°28 | 23°27 | 3°24 | 14°31 | 8°35 | 7°44 | 7°36 | 22°50 | 16°43 | T 23 |
| F 24 | 6 12 57 | 2°23'38 | 2♈53 | 23° 2 | 25°23 | 18°21 | 1°19 | 23°22 | 3°25 | 14°33 | 8°37 | 7°44 | 7°33 | 22°57 | 16°39 | F 24 |
| S 25 | 6 16 53 | 3°24'31 | 15°39 | 24°35 | 26°39 | 19° 6 | 1°11 | 23°17 | 3°26 | 14°36 | 8°38 | 7°44 | 7°30 | 23° 4 | 16°36 | S 25 |
| S 26 | 6 20 50 | 4°25'25 | 28°50 | 26° 8 | 27°54 | 19°52 | 1° 3 | 23°13 | 3°26 | 14°38 | 8°40 | 7°43 | 7°26 | 23°10 | 16°33 | S 26 |
| M27 | 6 24 46 | 5°26'19 | 12♉30 | 27°41 | 29°10 | 20°37 | 0°55 | 23° 8 | 3°27 | 14°40 | 8°42 | 7°40 | 7°23 | 23°17 | 16°30 | M27 |
| T 28 | 6 28 43 | 6°27'15 | 26°40 | 29°14 | 0♑25 | 21°23 | 0°47 | 23° 3 | 3°28 | 14°42 | 8°43 | 7°34 | 7°20 | 23°24 | 16°27 | T 28 |
| W29 | 6 32 39 | 7°28'10 | 11♊20 | 0♑48 | 1°41 | 22° 9 | 0°39 | 22°58 | 3°28 | 14°45 | 8°45 | 7°25 | 7°17 | 23°30 | 16°24 | W29 |
| T 30 | 6 36 36 | 8°29'07 | 26°23 | 2°21 | 2°56 | 22°54 | 0°31 | 22°54 | 3°29 | 14°47 | 8°46 | 7°14 | 7°14 | 23°37 | 16°21 | T 30 |
| F 31 | 6 40 32 | 9♑30'04 | 11♋41 | 3♑55 | 4♑11 | 23♑40 | 0♋23 | 22♊49 | 3♎29 | 14♑49 | 8♏47 | 7♈ 2 | 7♈11 | 23♑44 | 16♊18 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 21 s42 | 24n43 | 4n 3 | 15 s24 | 2n19 | 18 s13 | 1n 5 | 24 s11 | 0 s52 | 22n42 | 0 s33 | 21n31 | 1 s42 | 0 s26 | 0n45 | 21 s37 | 1n 0 | 1n41 | 16n36 | 4n 3 | 3n27 | 26 s46 | 17n 8 | 5 s40 | |
| T 2 | 21 51 | 27 29 | 4 42 | 15 43 | 2 17 | 18 32 | 1 3 | 24 11 | 0 53 | 22 42 | 0 33 | 21 31 | 1 42 | 0 27 | 0 45 | 21 37 | 1 0 | 1 41 | 16 36 | 4 0 | 3 26 | 26 45 | 17 7 | 5 40 | |
| F 3 | 22 0 | 28 18 | 5 1 | 16 5 | 2 13 | 18 51 | 1 1 | 24 10 | 0 53 | 22 43 | 0 33 | 21 31 | 1 42 | 0 28 | 0 45 | 21 36 | 1 0 | 1 40 | 16 36 | 3 56 | 3 25 | 26 43 | 17 7 | 5 40 | |
| S 4 | 22 8 | 27 1 | 5 0 | 16 27 | 2 9 | 19 8 | 0 59 | 24 10 | 0 53 | 22 43 | 0 33 | 21 31 | 1 42 | 0 29 | 0 45 | 21 36 | 1 0 | 1 40 | 16 37 | 3 53 | 3 24 | 26 42 | 17 7 | 5 40 | |
| S 5 | 22 16 | 23 50 | 4 38 | 16 50 | 2 5 | 19 26 | 0 57 | 24 9 | 0 54 | 22 43 | 0 32 | 21 31 | 1 42 | 0 29 | 0 45 | 21 36 | 1 0 | 1 40 | 16 37 | 3 50 | 3 22 | 26 41 | 17 6 | 5 40 | |
| M 6 | 22 23 | 19 12 | 3 59 | 17 14 | 2 0 | 19 42 | 0 55 | 24 8 | 0 54 | 22 43 | 0 32 | 21 31 | 1 42 | 0 30 | 0 46 | 21 36 | 1 0 | 1 39 | 16 37 | 3 48 | 3 21 | 26 40 | 17 6 | 5 40 | |
| T 7 | 22 30 | 13 35 | 3 6 | 17 38 | 1 54 | 19 58 | 0 53 | 24 6 | 0 54 | 22 44 | 0 32 | 21 31 | 1 42 | 0 31 | 0 46 | 21 36 | 1 0 | 1 39 | 16 38 | 3 46 | 3 20 | 26 38 | 17 5 | 5 40 | |
| W 8 | 22 36 | 7 26 | 2 3 | 18 2 | 1 48 | 20 14 | 0 51 | 24 5 | 0 55 | 22 44 | 0 32 | 21 30 | 1 42 | 0 31 | 0 46 | 21 36 | 1 0 | 1 39 | 16 38 | 3 46 | 3 19 | 26 37 | 17 5 | 5 40 | |
| T 9 | 22 42 | 1 6 | 0 54 | 18 27 | 1 42 | 20 29 | 0 49 | 24 3 | 0 55 | 22 44 | 0 32 | 21 30 | 1 42 | 0 32 | 0 46 | 21 35 | 1 0 | 1 39 | 16 38 | 3 46 | 3 17 | 26 36 | 17 5 | 5 41 | |
| F 10 | 22 48 | 5 s 8 | 0 s15 | 18 51 | 1 35 | 20 44 | 0 47 | 24 0 | 0 55 | 22 45 | 0 32 | 21 30 | 1 42 | 0 32 | 0 46 | 21 35 | 1 0 | 1 38 | 16 39 | 3 46 | 3 16 | 26 35 | 17 4 | 5 41 | |
| S 11 | 22 53 | 11 2 | 1 23 | 19 14 | 1 28 | 20 57 | 0 45 | 23 58 | 0 56 | 22 45 | 0 32 | 21 30 | 1 42 | 0 33 | 0 46 | 21 35 | 1 0 | 1 38 | 16 39 | 3 46 | 3 15 | 26 33 | 17 4 | 5 41 | |
| S 12 | 22 57 | 16 22 | 2 24 | 19 37 | 1 21 | 21 11 | 0 43 | 23 55 | 0 56 | 22 45 | 0 32 | 21 30 | 1 42 | 0 34 | 0 46 | 21 35 | 1 0 | 1 38 | 16 39 | 3 45 | 3 14 | 26 32 | 17 4 | 5 41 | |
| M13 | 23 2 | 20 57 | 3 18 | 20 0 | 1 14 | 21 23 | 0 40 | 23 52 | 0 56 | 22 45 | 0 32 | 21 30 | 1 42 | 0 34 | 0 46 | 21 35 | 1 0 | 1 38 | 16 40 | 3 42 | 3 13 | 26 31 | 17 3 | 5 41 | |
| T 14 | 23 5 | 24 33 | 4 2 | 20 22 | 1 7 | 21 35 | 0 38 | 23 49 | 0 57 | 22 46 | 0 32 | 21 30 | 1 42 | 0 35 | 0 46 | 21 34 | 1 0 | 1 37 | 16 40 | 3 38 | 3 11 | 26 29 | 17 3 | 5 41 | |
| W15 | 23 9 | 27 0 | 4 34 | 20 44 | 1 0 | 21 47 | 0 36 | 23 46 | 0 57 | 22 46 | 0 31 | 21 29 | 1 42 | 0 35 | 0 46 | 21 34 | 1 0 | 1 37 | 16 41 | 3 34 | 3 10 | 26 28 | 17 2 | 5 41 | |
| T 16 | 23 12 | 28 10 | 4 54 | 21 4 | 0 53 | 21 57 | 0 34 | 23 42 | 0 57 | 22 46 | 0 31 | 21 29 | 1 42 | 0 36 | 0 46 | 21 34 | 1 0 | 1 37 | 16 41 | 3 28 | 3 9 | 26 27 | 17 2 | 5 41 | |
| F 17 | 23 14 | 28 0 | 5 0 | 21 24 | 0 45 | 22 8 | 0 31 | 23 38 | 0 58 | 22 47 | 0 31 | 21 29 | 1 42 | 0 36 | 0 46 | 21 34 | 1 0 | 1 37 | 16 41 | 3 23 | 3 8 | 26 25 | 17 2 | 5 41 | |
| S 18 | 23 16 | 26 32 | 4 53 | 21 42 | 0 38 | 22 17 | 0 29 | 23 34 | 0 58 | 22 47 | 0 31 | 21 29 | 1 41 | 0 36 | 0 46 | 21 34 | 1 0 | 1 37 | 16 42 | 3 17 | 3 6 | 26 24 | 17 1 | 5 41 | |
| S 19 | 23 17 | 23 54 | 4 33 | 22 0 | 0 30 | 22 26 | 0 27 | 23 29 | 0 58 | 22 47 | 0 31 | 21 29 | 1 41 | 0 37 | 0 46 | 21 33 | 1 0 | 1 37 | 16 42 | 3 12 | 3 5 | 26 23 | 17 1 | 5 41 | |
| M20 | 23 18 | 20 15 | 4 2 | 22 17 | 0 23 | 22 34 | 0 24 | 23 25 | 0 58 | 22 47 | 0 31 | 21 29 | 1 41 | 0 37 | 0 46 | 21 33 | 1 0 | 1 36 | 16 43 | 3 8 | 3 4 | 26 21 | 17 1 | 5 41 | |
| T 21 | 23 19 | 15 48 | 3 20 | 22 33 | 0 16 | 22 41 | 0 22 | 23 20 | 0 59 | 22 48 | 0 31 | 21 29 | 1 41 | 0 38 | 0 46 | 21 33 | 1 0 | 1 36 | 16 43 | 3 6 | 3 3 | 26 20 | 17 1 | 5 41 | |
| W22 | 23 19 | 10 42 | 2 29 | 22 47 | 0 9 | 22 48 | 0 19 | 23 14 | 0 59 | 22 48 | 0 31 | 21 29 | 1 41 | 0 38 | 0 46 | 21 33 | 1 0 | 1 36 | 16 43 | 3 4 | 3 1 | 26 19 | 17 0 | 5 41 | |
| T 23 | 23 18 | 5 8 | 1 30 | 23 1 | 0 2 | 22 54 | 0 17 | 23 9 | 0 59 | 22 48 | 0 30 | 21 28 | 1 41 | 0 38 | 0 46 | 21 32 | 1 0 | 1 36 | 16 44 | 3 3 | 3 0 | 26 17 | 17 0 | 5 41 | |
| F 24 | 23 18 | 0n45 | 0 26 | 23 13 | 0 s 5 | 22 59 | 0 15 | 23 3 | 1 0 | 22 48 | 0 30 | 21 28 | 1 41 | 0 39 | 0 46 | 21 32 | 1 0 | 1 36 | 16 44 | 3 3 | 2 59 | 26 16 | 17 0 | 5 41 | |
| S 25 | 23 16 | 6 46 | 0n42 | 23 25 | 0 12 | 23 4 | 0 12 | 22 57 | 1 0 | 22 48 | 0 30 | 21 28 | 1 41 | 0 39 | 0 46 | 21 32 | 1 0 | 1 36 | 16 45 | 3 3 | 2 58 | 26 15 | 16 59 | 5 41 | |
| S 26 | 23 15 | 12 42 | 1 49 | 23 35 | 0 19 | 23 8 | 0 10 | 22 51 | 1 0 | 22 49 | 0 30 | 21 28 | 1 41 | 0 39 | 0 46 | 21 32 | 1 0 | 1 36 | 16 45 | 3 3 | 2 56 | 26 13 | 16 59 | 5 41 | |
| M27 | 23 12 | 18 15 | 2 52 | 23 44 | 0 26 | 23 11 | 0 7 | 22 44 | 1 0 | 22 49 | 0 30 | 21 28 | 1 40 | 0 39 | 0 46 | 21 32 | 1 0 | 1 36 | 16 46 | 3 1 | 2 55 | 26 12 | 16 59 | 5 41 | |
| T 28 | 23 10 | 23 0 | 3 48 | 23 51 | 0 33 | 23 14 | 0 5 | 22 37 | 1 1 | 22 49 | 0 30 | 21 28 | 1 40 | 0 39 | 0 46 | 21 31 | 1 0 | 1 36 | 16 46 | 2 59 | 2 54 | 26 10 | 16 59 | 5 41 | |
| W29 | 23 6 | 26 28 | 4 30 | 23 58 | 0 39 | 23 16 | 0 3 | 22 30 | 1 1 | 22 49 | 0 30 | 21 28 | 1 40 | 0 40 | 0 46 | 21 31 | 1 0 | 1 36 | 16 47 | 2 56 | 2 53 | 26 9 | 16 58 | 5 41 | |
| T 30 | 23 3 | 28 10 | 4 55 | 24 3 | 0 45 | 23 17 | 0 0 | 22 23 | 1 1 | 22 49 | 0 29 | 21 28 | 1 40 | 0 40 | 0 47 | 21 31 | 0 59 | 1 36 | 16 47 | 2 51 | 2 51 | 26 7 | 16 58 | 5 41 | |
| F 31 | 22 s59 | 27n46 | 4n59 | 24 s 7 | 0 s52 | 23 s17 | 0 s 2 | 22 s16 | 1 s 1 | 22n50 | 0 s29 | 21n28 | 1 s40 | 0 s40 | 0n47 | 21 s31 | 0n59 | 1n36 | 16n48 | 2n47 | 2n50 | 26 s 6 | 16n58 | 5 s41 | |

Julian Day Number = 2807260.5, Delta T = 52m05s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°22'24, Lahiri = 37°29'24


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# ASTRODIENST EPHEMERIS for the year 2974
# geocentric

## JANUARY 2974 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 44 29 | 10♑31'02 | 27♋ 1 | 5♑29 | 5♑27 | 24♑26 | 0°R15 | 22°R45 | 3♎30 | 14♑51 | 8♏49 | 6°R51 | 7♈ 7 | 23♑51 | 16°R15 | S 1 |
| S 2 | 6 48 26 | 11°32'01 | 12♌13 | 7° 3 | 6°42 | 25°12 | 0♋ 7 | 22♊40 | 3°30 | 14°54 | 8°50 | 6♈41 | 7° 4 | 23°57 | 16♊12 | S 2 |
| M 3 | 6 52 22 | 12°33'00 | 27° 6 | 8°37 | 7°58 | 25°58 | 29♊59 | 22°36 | 3°30 | 14°56 | 8°52 | 6°34 | 7° 1 | 24° 4 | 16° 9 | M 3 |
| T 4 | 6 56 19 | 13°34'01 | 11♍34 | 10°11 | 9°13 | 26°44 | 29°51 | 22°31 | 3°30 | 14°58 | 8°53 | 6°30 | 6°58 | 24°11 | 16° 6 | T 4 |
| W 5 | 7 0 15 | 14°35'02 | 25°34 | 11°45 | 10°29 | 27°30 | 29°44 | 22°27 | 3°31 | 15° 1 | 8°54 | 6°28 | 6°55 | 24°18 | 16° 3 | W 5 |
| T 6 | 7 4 12 | 15°36'03 | 9♎ 7 | 13°20 | 11°44 | 28°16 | 29°36 | 22°23 | 3°31 | 15° 3 | 8°55 | 6°28 | 6°52 | 24°24 | 16° 0 | T 6 |
| F 7 | 7 8 8 | 16°37'06 | 22°15 | 14°54 | 13° 0 | 29° 2 | 29°29 | 22°18 | 3°R31 | 15° 5 | 8°57 | 6°28 | 6°48 | 24°31 | 15°58 | F 7 |
| S 8 | 7 12 5 | 17°38'09 | 5♏ 2 | 16°29 | 14°15 | 29°48 | 29°21 | 22°14 | 3°31 | 15° 7 | 8°58 | 6°27 | 6°45 | 24°38 | 15°55 | S 8 |
| S 9 | 7 16 1 | 18°39'14 | 17°31 | 18° 4 | 15°31 | 0♒34 | 29°14 | 22°10 | 3°31 | 15°10 | 8°59 | 6°24 | 6°42 | 24°44 | 15°52 | S 9 |
| M10 | 7 19 58 | 19°40'19 | 29°48 | 19°40 | 16°46 | 1°20 | 29° 7 | 22° 6 | 3°31 | 15°12 | 9° 0 | 6°18 | 6°39 | 24°51 | 15°49 | M10 |
| T 11 | 7 23 55 | 20°41'24 | 11♐56 | 21°16 | 18° 2 | 2° 6 | 29° 0 | 22° 2 | 3°30 | 15°14 | 9° 1 | 6° 9 | 6°36 | 24°58 | 15°47 | T 11 |
| W12 | 7 27 51 | 21°42'30 | 23°56 | 22°52 | 19°17 | 2°53 | 28°53 | 21°58 | 3°30 | 15°16 | 9° 2 | 5°57 | 6°32 | 25° 5 | 15°44 | W12 |
| T 13 | 7 31 48 | 22°43'37 | 5♑52 | 24°28 | 20°33 | 3°39 | 28°46 | 21°54 | 3°30 | 15°19 | 9° 3 | 5°43 | 6°29 | 25°11 | 15°42 | T 13 |
| F 14 | 7 35 44 | 23°44'43 | 17°46 | 26° 4 | 21°48 | 4°25 | 28°39 | 21°50 | 3°30 | 15°21 | 9° 4 | 5°29 | 6°26 | 25°18 | 15°39 | F 14 |
| S 15 | 7 39 41 | 24°45'50 | 29°37 | 27°41 | 23° 4 | 5°12 | 28°32 | 21°47 | 3°29 | 15°23 | 9° 5 | 5°15 | 6°23 | 25°25 | 15°37 | S 15 |
| S 16 | 7 43 37 | 25°46'57 | 11♒29 | 29°18 | 24°19 | 5°58 | 28°26 | 21°43 | 3°29 | 15°25 | 9° 6 | 5° 3 | 6°20 | 25°31 | 15°35 | S 16 |
| M17 | 7 47 34 | 26°48'04 | 23°21 | 0♒56 | 25°35 | 6°45 | 28°20 | 21°39 | 3°28 | 15°28 | 9° 7 | 4°53 | 6°17 | 25°38 | 15°32 | M17 |
| T 18 | 7 51 31 | 27°49'11 | 5♓17 | 2°33 | 26°50 | 7°31 | 28°13 | 21°36 | 3°28 | 15°30 | 9° 8 | 4°46 | 6°13 | 25°45 | 15°30 | T 18 |
| W19 | 7 55 27 | 28°50'18 | 17°19 | 4°11 | 28° 6 | 8°18 | 28° 7 | 21°33 | 3°27 | 15°32 | 9° 9 | 4°42 | 6°10 | 25°52 | 15°28 | W19 |
| T 20 | 7 59 24 | 29°51'25 | 29°30 | 5°50 | 29°21 | 9° 4 | 28° 1 | 21°29 | 3°26 | 15°34 | 9° 9 | 4°D40 | 6° 7 | 25°58 | 15°26 | T 20 |
| F 21 | 8 3 20 | 0♒52'32 | 11♈54 | 7°29 | 0♒37 | 9°51 | 27°56 | 21°26 | 3°26 | 15°36 | 9°10 | 4°40 | 6° 4 | 26° 5 | 15°24 | F 21 |
| S 22 | 8 7 17 | 1°53'38 | 24°36 | 9° 7 | 1°52 | 10°38 | 27°50 | 21°23 | 3°25 | 15°39 | 9°11 | 4°41 | 6° 1 | 26°12 | 15°22 | S 22 |
| S 23 | 8 11 13 | 2°54'44 | 7♉40 | 10°47 | 3° 8 | 11°24 | 27°45 | 21°20 | 3°24 | 15°41 | 9°11 | 4°R41 | 5°58 | 26°18 | 15°20 | S 23 |
| M24 | 8 15 10 | 3°55'49 | 21° 9 | 12°26 | 4°23 | 12°11 | 27°39 | 21°17 | 3°23 | 15°43 | 9°12 | 4°39 | 5°54 | 26°25 | 15°18 | M24 |
| T 25 | 8 19 6 | 4°56'54 | 5♊ 8 | 14° 6 | 5°39 | 12°58 | 27°34 | 21°14 | 3°22 | 15°45 | 9°13 | 4°36 | 5°51 | 26°32 | 15°16 | T 25 |
| W26 | 8 23 3 | 5°57'59 | 19°35 | 15°46 | 6°54 | 13°45 | 27°29 | 21°11 | 3°21 | 15°47 | 9°13 | 4°30 | 5°48 | 26°39 | 15°14 | W26 |
| T 27 | 8 27 0 | 6°59'03 | 4♋27 | 17°25 | 8°10 | 14°32 | 27°25 | 21° 9 | 3°20 | 15°50 | 9°14 | 4°22 | 5°45 | 26°45 | 15°12 | T 27 |
| F 28 | 8 30 56 | 8° 0'07 | 19°38 | 19° 5 | 9°25 | 15°18 | 27°20 | 21° 6 | 3°19 | 15°52 | 9°14 | 4°13 | 5°42 | 26°52 | 15°11 | F 28 |
| S 29 | 8 34 53 | 9° 1'10 | 4♌58 | 20°45 | 10°41 | 16° 5 | 27°16 | 21° 4 | 3°18 | 15°54 | 9°15 | 4° 4 | 5°38 | 26°59 | 15° 9 | S 29 |
| S 30 | 8 38 49 | 10° 2'13 | 20°15 | 22°24 | 11°56 | 16°52 | 27°12 | 21° 1 | 3°17 | 15°56 | 9°15 | 3°56 | 5°35 | 27° 5 | 15° 8 | S 30 |
| M31 | 8 42 46 | 11♒ 3'16 | 5♍18 | 24♒ 3 | 13♒12 | 17♒39 | 27♊ 8 | 20♊59 | 3♎15 | 15♑58 | 9♏16 | 3♈51 | 5♈32 | 27♑12 | 15♊ 6 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s54 | 25n15 | 4n42 | 24s10 | 0s58 | 23s17 | 0s 5 | 22s 8 | 1s 1 | 22n50 | 0s29 | 21n27 | 1s40 | 0s40 | 0n47 | 21s30 | 0n59 | 1n36 | 16n48 | 2n42 | 2n49 | 26s 5 | 16n58 | 5s41 |
| S 2 | 22 49 | 20 58 | 4 5 | 24 11 | 1 3 | 23 16 | 0 7 | 22 0 | 1 2 | 22 50 | 0 29 | 21 27 | 1 40 | 0 40 | 0 47 | 21 30 | 0 59 | 1 36 | 16 49 | 2 39 | 2 48 | 26 3 | 16 58 | 5 40 |
| M 3 | 22 44 | 15 25 | 3 12 | 24 11 | 1 9 | 23 14 | 0 9 | 21 52 | 1 2 | 22 50 | 0 29 | 21 27 | 1 39 | 0 40 | 0 47 | 21 30 | 0 59 | 1 36 | 16 49 | 2 36 | 2 46 | 26 2 | 16 57 | 5 40 |
| T 4 | 22 38 | 9 9 | 2 7 | 24 10 | 1 15 | 23 12 | 0 12 | 21 43 | 1 2 | 22 50 | 0 29 | 21 27 | 1 39 | 0 40 | 0 47 | 21 30 | 0 59 | 1 36 | 16 50 | 2 34 | 2 45 | 26 0 | 16 57 | 5 40 |
| W 5 | 22 31 | 2 38 | 0 57 | 24 7 | 1 20 | 23 8 | 0 14 | 21 34 | 1 2 | 22 50 | 0 28 | 21 27 | 1 39 | 0 40 | 0 47 | 21 29 | 0 59 | 1 37 | 16 50 | 2 33 | 2 44 | 25 59 | 16 57 | 5 40 |
| T 6 | 22 25 | 3s49 | 0s14 | 24 4 | 1 25 | 23 5 | 0 17 | 21 25 | 1 2 | 22 51 | 0 28 | 21 27 | 1 39 | 0 40 | 0 47 | 21 29 | 0 59 | 1 37 | 16 51 | 2 33 | 2 43 | 25 57 | 16 57 | 5 40 |
| F 7 | 22 17 | 9 54 | 1 22 | 23 58 | 1 30 | 23 0 | 0 19 | 21 16 | 1 3 | 22 51 | 0 28 | 21 27 | 1 39 | 0 40 | 0 47 | 21 29 | 0 59 | 1 37 | 16 51 | 2 33 | 2 41 | 25 56 | 16 57 | 5 40 |
| S 8 | 22 10 | 15 24 | 2 25 | 23 52 | 1 34 | 22 55 | 0 21 | 21 7 | 1 3 | 22 51 | 0 28 | 21 27 | 1 39 | 0 40 | 0 47 | 21 29 | 0 59 | 1 37 | 16 52 | 2 33 | 2 40 | 25 54 | 16 57 | 5 40 |
| S 9 | 22 1 | 20 9 | 3 19 | 23 44 | 1 39 | 22 49 | 0 24 | 20 57 | 1 3 | 22 51 | 0 28 | 21 27 | 1 39 | 0 40 | 0 47 | 21 28 | 0 59 | 1 37 | 16 52 | 2 32 | 2 39 | 25 53 | 16 56 | 5 40 |
| M10 | 21 53 | 23 57 | 4 2 | 23 35 | 1 43 | 22 42 | 0 26 | 20 47 | 1 3 | 22 51 | 0 28 | 21 27 | 1 38 | 0 40 | 0 47 | 21 28 | 0 59 | 1 37 | 16 53 | 2 29 | 2 38 | 25 51 | 16 56 | 5 39 |
| T 11 | 21 44 | 26 38 | 4 34 | 23 24 | 1 47 | 22 34 | 0 28 | 20 37 | 1 3 | 22 51 | 0 27 | 21 27 | 1 38 | 0 40 | 0 47 | 21 28 | 0 59 | 1 37 | 16 53 | 2 26 | 2 36 | 25 50 | 16 56 | 5 39 |
| W12 | 21 35 | 28 4 | 4 54 | 23 12 | 1 50 | 22 26 | 0 31 | 20 27 | 1 3 | 22 51 | 0 27 | 21 27 | 1 38 | 0 40 | 0 47 | 21 28 | 0 59 | 1 38 | 16 54 | 2 21 | 2 35 | 25 48 | 16 56 | 5 39 |
| T 13 | 21 25 | 28 11 | 5 0 | 22 59 | 1 54 | 22 18 | 0 33 | 20 16 | 1 4 | 22 51 | 0 27 | 21 27 | 1 38 | 0 40 | 0 47 | 21 28 | 0 59 | 1 38 | 16 54 | 2 16 | 2 34 | 25 47 | 16 56 | 5 39 |
| F 14 | 21 14 | 27 0 | 4 54 | 22 44 | 1 57 | 22 8 | 0 35 | 20 5 | 1 4 | 22 52 | 0 27 | 21 27 | 1 38 | 0 40 | 0 47 | 21 27 | 0 59 | 1 38 | 16 55 | 2 10 | 2 33 | 25 45 | 16 56 | 5 39 |
| S 15 | 21 4 | 24 35 | 4 34 | 22 28 | 1 59 | 21 58 | 0 37 | 19 54 | 1 4 | 22 52 | 0 27 | 21 26 | 1 37 | 0 39 | 0 47 | 21 27 | 0 59 | 1 38 | 16 55 | 2 5 | 2 31 | 25 44 | 16 56 | 5 39 |
| S 16 | 20 53 | 21 8 | 4 3 | 22 11 | 2 2 | 21 47 | 0 39 | 19 43 | 1 4 | 22 52 | 0 27 | 21 26 | 1 37 | 0 39 | 0 47 | 21 27 | 0 59 | 1 39 | 16 56 | 2 0 | 2 30 | 25 42 | 16 56 | 5 38 |
| M17 | 20 41 | 16 49 | 3 21 | 21 52 | 2 4 | 21 36 | 0 41 | 19 31 | 1 4 | 22 52 | 0 26 | 21 26 | 1 37 | 0 39 | 0 47 | 21 27 | 0 59 | 1 39 | 16 57 | 1 56 | 2 29 | 25 41 | 16 56 | 5 38 |
| T 18 | 20 29 | 11 51 | 2 29 | 21 31 | 2 6 | 21 24 | 0 43 | 19 20 | 1 4 | 22 52 | 0 26 | 21 26 | 1 37 | 0 39 | 0 47 | 21 26 | 0 59 | 1 39 | 16 57 | 1 53 | 2 28 | 25 39 | 16 56 | 5 38 |
| W19 | 20 17 | 6 23 | 1 31 | 21 10 | 2 7 | 21 11 | 0 46 | 19 8 | 1 4 | 22 52 | 0 26 | 21 26 | 1 37 | 0 38 | 0 47 | 21 26 | 0 59 | 1 39 | 16 58 | 1 51 | 2 26 | 25 37 | 16 56 | 5 38 |
| T 20 | 20 5 | 0 37 | 0 28 | 20 47 | 2 8 | 20 57 | 0 48 | 18 56 | 1 4 | 22 52 | 0 26 | 21 26 | 1 36 | 0 38 | 0 47 | 21 26 | 0 59 | 1 40 | 16 58 | 1 51 | 2 25 | 25 36 | 16 56 | 5 38 |
| F 21 | 19 52 | 5n16 | 0n39 | 20 23 | 2 8 | 20 43 | 0 50 | 18 43 | 1 4 | 22 52 | 0 26 | 21 26 | 1 36 | 0 38 | 0 47 | 21 25 | 0 59 | 1 40 | 16 59 | 1 51 | 2 24 | 25 34 | 16 56 | 5 37 |
| S 22 | 19 38 | 11 6 | 1 44 | 19 57 | 2 9 | 20 29 | 0 52 | 18 31 | 1 5 | 22 52 | 0 25 | 21 26 | 1 36 | 0 37 | 0 47 | 21 25 | 0 59 | 1 40 | 16 59 | 1 51 | 2 23 | 25 33 | 16 56 | 5 37 |
| S 23 | 19 24 | 16 37 | 2 47 | 19 30 | 2 8 | 20 13 | 0 53 | 18 18 | 1 5 | 22 52 | 0 25 | 21 26 | 1 36 | 0 37 | 0 47 | 21 25 | 0 59 | 1 41 | 17 0 | 1 51 | 2 21 | 25 31 | 16 56 | 5 37 |
| M24 | 19 10 | 21 31 | 3 42 | 19 1 | 2 8 | 19 58 | 0 55 | 18 5 | 1 5 | 22 53 | 0 25 | 21 26 | 1 36 | 0 37 | 0 48 | 21 25 | 0 59 | 1 41 | 17 0 | 1 50 | 2 20 | 25 30 | 16 56 | 5 37 |
| T 25 | 18 56 | 25 24 | 4 26 | 18 32 | 2 6 | 19 41 | 0 57 | 17 52 | 1 5 | 22 53 | 0 25 | 21 26 | 1 35 | 0 36 | 0 48 | 21 24 | 0 59 | 1 41 | 17 1 | 1 49 | 2 19 | 25 28 | 16 56 | 5 37 |
| W26 | 18 41 | 27 48 | 4 55 | 18 1 | 2 5 | 19 24 | 0 59 | 17 39 | 1 5 | 22 53 | 0 25 | 21 26 | 1 35 | 0 36 | 0 48 | 21 24 | 0 59 | 1 42 | 17 2 | 1 47 | 2 18 | 25 26 | 16 56 | 5 36 |
| T 27 | 18 26 | 28 19 | 5 5 | 17 29 | 2 2 | 19 6 | 1 1 | 17 26 | 1 5 | 22 53 | 0 25 | 21 27 | 1 35 | 0 35 | 0 48 | 21 24 | 0 59 | 1 42 | 17 2 | 1 43 | 2 16 | 25 25 | 16 56 | 5 36 |
| F 28 | 18 10 | 26 44 | 4 54 | 16 55 | 2 0 | 18 48 | 1 2 | 17 12 | 1 5 | 22 53 | 0 24 | 21 27 | 1 35 | 0 35 | 0 48 | 21 24 | 0 59 | 1 43 | 17 3 | 1 40 | 2 15 | 25 23 | 16 56 | 5 36 |
| S 29 | 17 55 | 23 10 | 4 22 | 16 20 | 1 56 | 18 30 | 1 4 | 16 58 | 1 5 | 22 53 | 0 24 | 21 27 | 1 35 | 0 34 | 0 48 | 21 23 | 0 59 | 1 43 | 17 3 | 1 36 | 2 14 | 25 21 | 16 56 | 5 36 |
| S 30 | 17 38 | 18 0 | 3 31 | 15 44 | 1 52 | 18 10 | 1 6 | 16 44 | 1 5 | 22 53 | 0 24 | 21 27 | 1 34 | 0 34 | 0 48 | 21 23 | 0 59 | 1 43 | 17 4 | 1 33 | 2 13 | 25 20 | 16 56 | 5 35 |
| M31 | 17s22 | 11n48 | 2n27 | 15s 8 | 1s48 | 17s51 | 1s 7 | 16s30 | 1s 5 | 22n53 | 0s24 | 21n27 | 1s34 | 0s33 | 0n48 | 21s23 | 0n59 | 1n44 | 17n 4 | 1n31 | 2n11 | 25s18 | 16n56 | 5s35 |

Julian Day Number = 2807291.5, Delta T = 52m05s
Ecliptic obliquity = 23°18'55, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°22'28, Lahiri = 37°29'29


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# ASTRODIENST EPHEMERIS for the year 2974
# geocentric

## FEBRUARY 2974 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 46 42 | 12♒ 4'18 | 19♍59 | 25♒42 | 14♒27 | 18♒26 | 27°R 4 | 20°R57 | 3°R14 | 16♉ 0 | 9♏16 | 3°R48 | 5♈29 | 27♉19 | 15°R 5 | T 1 |
| W 2 | 8 50 39 | 13° 5'20 | 4♎12 | 27°20 | 15°43 | 19°13 | 27♊ 0 | 20♊55 | 3♎13 | 16° 2 | 9°16 | 3°D47 | 5°26 | 27°26 | 15♊ 3 | W 2 |
| T 3 | 8 54 35 | 14° 6'21 | 17°57 | 28°57 | 16°58 | 20° 0 | 26°57 | 20°53 | 3°11 | 16° 4 | 9°17 | 3♈48 | 5°23 | 27°32 | 15° 2 | T 3 |
| F 4 | 8 58 32 | 15° 7'23 | 1♏13 | 0♓32 | 18°13 | 20°47 | 26°53 | 20°51 | 3°10 | 16° 6 | 9°17 | 3°49 | 5°19 | 27°39 | 15° 1 | F 4 |
| S 5 | 9 2 29 | 16° 8'24 | 14° 5 | 2° 6 | 19°29 | 21°34 | 26°50 | 20°49 | 3° 9 | 16° 8 | 9°17 | 3°R50 | 5°16 | 27°46 | 15° 0 | S 5 |
| S 6 | 9 6 25 | 17° 9'25 | 26°37 | 3°38 | 20°44 | 22°21 | 26°47 | 20°47 | 3° 7 | 16°10 | 9°17 | 3°49 | 5°13 | 27°52 | 14°59 | S 6 |
| M 7 | 9 10 22 | 18°10'26 | 8♐52 | 5° 7 | 22° 0 | 23° 8 | 26°45 | 20°46 | 3° 5 | 16°12 | 9°17 | 3°47 | 5°10 | 27°59 | 14°57 | M 7 |
| T 8 | 9 14 18 | 19°11'26 | 20°55 | 6°34 | 23°15 | 23°55 | 26°42 | 20°44 | 3° 4 | 16°14 | 9°17 | 3°42 | 5° 7 | 28° 6 | 14°57 | T 8 |
| W 9 | 9 18 15 | 20°12'26 | 2♑51 | 7°57 | 24°31 | 24°43 | 26°40 | 20°43 | 3° 2 | 16°16 | 9°17 | 3°36 | 5° 4 | 28°13 | 14°56 | W 9 |
| T 10 | 9 22 11 | 21°13'25 | 14°43 | 9°16 | 25°46 | 25°30 | 26°38 | 20°42 | 3° 0 | 16°18 | 9°R17 | 3°28 | 5° 0 | 28°19 | 14°55 | T 10 |
| F 11 | 9 26 8 | 22°14'24 | 26°34 | 10°30 | 27° 1 | 26°17 | 26°36 | 20°41 | 2°59 | 16°20 | 9°17 | 3°20 | 4°57 | 28°26 | 14°54 | F 11 |
| S 12 | 9 30 4 | 23°15'22 | 8♒26 | 11°39 | 28°17 | 27° 4 | 26°35 | 20°40 | 2°57 | 16°22 | 9°17 | 3°11 | 4°54 | 28°33 | 14°53 | S 12 |
| S 13 | 9 34 1 | 24°16'19 | 20°20 | 12°41 | 29°32 | 27°52 | 26°33 | 20°39 | 2°55 | 16°24 | 9°17 | 3° 4 | 4°51 | 28°39 | 14°53 | S 13 |
| M14 | 9 37 58 | 25°17'15 | 2♓19 | 13°36 | 0♓47 | 28°39 | 26°32 | 20°38 | 2°53 | 16°26 | 9°17 | 2°59 | 4°48 | 28°46 | 14°52 | M14 |
| T 15 | 9 41 54 | 26°18'10 | 14°24 | 14°23 | 2° 3 | 29°26 | 26°31 | 20°38 | 2°51 | 16°28 | 9°17 | 2°55 | 4°44 | 28°53 | 14°52 | T 15 |
| W16 | 9 45 51 | 27°19'04 | 26°36 | 15° 2 | 3°18 | 0♓13 | 26°30 | 20°37 | 2°49 | 16°30 | 9°17 | 2°53 | 4°41 | 29° 0 | 14°51 | W16 |
| T 17 | 9 49 47 | 28°19'58 | 8♈58 | 15°31 | 4°33 | 1° 1 | 26°29 | 20°37 | 2°47 | 16°31 | 9°17 | 2°D53 | 4°38 | 29° 6 | 14°51 | T 17 |
| F 18 | 9 53 44 | 29°20'50 | 21°32 | 15°49 | 5°49 | 1°48 | 26°29 | 20°36 | 2°45 | 16°33 | 9°16 | 2°54 | 4°35 | 29°13 | 14°51 | F 18 |
| S 19 | 9 57 40 | 0♓21'40 | 4♉20 | 15°R57 | 7° 4 | 2°35 | 26°29 | 20°36 | 2°43 | 16°35 | 9°16 | 2°56 | 4°32 | 29°20 | 14°51 | S 19 |
| S 20 | 10 1 37 | 1°22'30 | 17°26 | 15°54 | 8°19 | 3°23 | 26°D29 | 20°D36 | 2°41 | 16°37 | 9°16 | 2°57 | 4°29 | 29°26 | 14°50 | S 20 |
| M21 | 10 5 33 | 2°23'18 | 0♊52 | 15°40 | 9°35 | 4°10 | 26°29 | 20°36 | 2°39 | 16°38 | 9°15 | 2°R58 | 4°25 | 29°33 | 14°D50 | M21 |
| T 22 | 10 9 30 | 3°24'05 | 14°40 | 15°16 | 10°50 | 4°57 | 26°29 | 20°36 | 2°37 | 16°40 | 9°15 | 2°58 | 4°22 | 29°40 | 14°50 | T 22 |
| W23 | 10 13 27 | 4°24'50 | 28°51 | 14°40 | 12° 5 | 5°45 | 26°30 | 20°36 | 2°35 | 16°42 | 9°15 | 2°56 | 4°19 | 29°46 | 14°51 | W23 |
| T 24 | 10 17 23 | 5°25'34 | 13♋23 | 13°56 | 13°20 | 6°32 | 26°31 | 20°37 | 2°33 | 16°43 | 9°14 | 2°53 | 4°16 | 29°53 | 14°51 | T 24 |
| F 25 | 10 21 20 | 6°26'16 | 28°13 | 13° 2 | 14°36 | 7°19 | 26°32 | 20°37 | 2°30 | 16°45 | 9°14 | 2°49 | 4°13 | 29°59 | 14°51 | F 25 |
| S 26 | 10 25 16 | 7°26'57 | 13♌12 | 12° 2 | 15°51 | 8° 7 | 26°33 | 20°38 | 2°28 | 16°47 | 9°13 | 2°45 | 4°10 | 0♒ 7 | 14°51 | S 26 |
| S 27 | 10 29 13 | 8°27'37 | 28°14 | 10°57 | 17° 6 | 8°54 | 26°34 | 20°38 | 2°26 | 16°48 | 9°12 | 2°42 | 4° 6 | 0°13 | 14°52 | S 27 |
| M28 | 10 33 9 | 9♓28'15 | 13♍ 8 | 9♓49 | 18♓21 | 9♓42 | 26♊36 | 20♊39 | 2♎23 | 16♉50 | 9♏12 | 2♈40 | 4♈ 3 | 0♒20 | 14♊52 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s 5 | 5n 5 | 1n14 | 14s30 | 1s42 | 17s30 | 1s 9 | 16s15 | 1s 5 | 22n53 | 0s24 | 21n27 | 1s34 | 0s33 | 0n48 | 21s23 | 0n59 | 1n44 | 17n 5 | 1n30 | 2n10 | 25s16 | 16n56 | 5s35 |
| W 2 | 16 48 | 1s42 | 0s 2 | 13 51 | 1 36 | 17 10 | 1 10 | 16 1 | 1 5 | 22 53 | 0 23 | 21 27 | 1 34 | 0 32 | 0 48 | 21 22 | 0 59 | 1 45 | 17 6 | 1 30 | 2 9 | 25 15 | 16 56 | 5 35 |
| T 3 | 16 31 | 8 10 | 1 16 | 13 11 | 1 30 | 16 48 | 1 12 | 15 46 | 1 5 | 22 54 | 0 23 | 21 27 | 1 33 | 0 32 | 0 48 | 21 22 | 0 59 | 1 45 | 17 6 | 1 30 | 2 8 | 25 13 | 16 56 | 5 34 |
| F 4 | 16 13 | 14 4 | 2 22 | 12 30 | 1 22 | 16 27 | 1 13 | 15 31 | 1 5 | 22 54 | 0 23 | 21 27 | 1 33 | 0 31 | 0 48 | 21 22 | 0 59 | 1 46 | 17 7 | 1 30 | 2 6 | 25 11 | 16 57 | 5 34 |
| S 5 | 15 55 | 19 10 | 3 20 | 11 49 | 1 14 | 16 5 | 1 14 | 15 16 | 1 5 | 22 54 | 0 23 | 21 27 | 1 33 | 0 31 | 0 48 | 21 22 | 0 59 | 1 46 | 17 7 | 1 31 | 2 5 | 25 10 | 16 57 | 5 34 |
| S 6 | 15 37 | 23 17 | 4 6 | 11 8 | 1 5 | 15 42 | 1 15 | 15 1 | 1 5 | 22 54 | 0 23 | 21 27 | 1 33 | 0 30 | 0 48 | 21 21 | 0 59 | 1 47 | 17 8 | 1 31 | 2 4 | 25 8 | 16 57 | 5 34 |
| M 7 | 15 18 | 26 16 | 4 40 | 10 26 | 0 55 | 15 19 | 1 17 | 14 46 | 1 5 | 22 54 | 0 22 | 21 28 | 1 32 | 0 29 | 0 48 | 21 21 | 0 59 | 1 47 | 17 9 | 1 30 | 2 3 | 25 6 | 16 57 | 5 33 |
| T 8 | 14 59 | 28 0 | 5 1 | 9 45 | 0 44 | 14 55 | 1 18 | 14 30 | 1 5 | 22 54 | 0 22 | 21 28 | 1 32 | 0 29 | 0 48 | 21 21 | 0 59 | 1 48 | 17 9 | 1 28 | 2 1 | 25 5 | 16 57 | 5 33 |
| W 9 | 14 40 | 28 25 | 5 8 | 9 3 | 0 33 | 14 32 | 1 19 | 14 14 | 1 5 | 22 54 | 0 22 | 21 28 | 1 32 | 0 28 | 0 48 | 21 21 | 0 59 | 1 48 | 17 10 | 1 25 | 2 0 | 25 3 | 16 57 | 5 33 |
| T 10 | 14 21 | 27 31 | 5 2 | 8 22 | 0 20 | 14 7 | 1 20 | 13 59 | 1 5 | 22 54 | 0 22 | 21 28 | 1 32 | 0 27 | 0 48 | 21 21 | 0 59 | 1 49 | 17 10 | 1 22 | 1 59 | 25 1 | 16 58 | 5 33 |
| F 11 | 14 2 | 25 22 | 4 44 | 7 42 | 0 7 | 13 43 | 1 21 | 13 43 | 1 5 | 22 55 | 0 22 | 21 28 | 1 32 | 0 26 | 0 48 | 21 20 | 1 0 | 1 49 | 17 11 | 1 19 | 1 57 | 24 59 | 16 58 | 5 32 |
| S 12 | 13 42 | 22 8 | 4 13 | 7 3 | 0n 7 | 13 17 | 1 22 | 13 26 | 1 5 | 22 55 | 0 22 | 21 28 | 1 31 | 0 26 | 0 48 | 21 20 | 1 0 | 1 50 | 17 11 | 1 16 | 1 56 | 24 58 | 16 58 | 5 32 |
| S 13 | 13 22 | 17 57 | 3 30 | 6 26 | 0 21 | 12 52 | 1 23 | 13 10 | 1 5 | 22 55 | 0 21 | 21 28 | 1 31 | 0 25 | 0 48 | 21 20 | 1 0 | 1 50 | 17 12 | 1 13 | 1 55 | 24 56 | 16 58 | 5 32 |
| M14 | 13 2 | 13 4 | 2 38 | 5 51 | 0 37 | 12 26 | 1 23 | 12 54 | 1 5 | 22 55 | 0 21 | 21 29 | 1 31 | 0 24 | 0 48 | 21 20 | 1 0 | 1 51 | 17 12 | 1 11 | 1 54 | 24 54 | 16 58 | 5 31 |
| T 15 | 12 41 | 7 38 | 1 39 | 5 18 | 0 53 | 12 0 | 1 24 | 12 37 | 1 5 | 22 55 | 0 21 | 21 29 | 1 31 | 0 23 | 0 48 | 21 19 | 1 0 | 1 52 | 17 13 | 1 9 | 1 52 | 24 52 | 16 59 | 5 31 |
| W16 | 12 20 | 1 52 | 0 34 | 4 48 | 1 9 | 11 34 | 1 25 | 12 21 | 1 5 | 22 55 | 0 21 | 21 29 | 1 30 | 0 23 | 0 48 | 21 19 | 1 0 | 1 52 | 17 14 | 1 8 | 1 51 | 24 51 | 16 59 | 5 31 |
| T 17 | 12 0 | 4n 3 | 0n33 | 4 22 | 1 26 | 11 7 | 1 25 | 12 4 | 1 4 | 22 56 | 0 21 | 21 29 | 1 30 | 0 22 | 0 48 | 21 19 | 1 0 | 1 53 | 17 14 | 1 8 | 1 50 | 24 49 | 16 59 | 5 30 |
| F 18 | 11 38 | 9 54 | 1 40 | 3 59 | 1 43 | 10 40 | 1 26 | 11 47 | 1 4 | 22 56 | 0 20 | 21 29 | 1 30 | 0 21 | 0 48 | 21 19 | 1 0 | 1 53 | 17 15 | 1 9 | 1 49 | 24 47 | 16 59 | 5 30 |
| S 19 | 11 17 | 15 28 | 2 43 | 3 41 | 1 59 | 10 13 | 1 26 | 11 30 | 1 4 | 22 56 | 0 20 | 21 30 | 1 30 | 0 20 | 0 48 | 21 18 | 1 0 | 1 54 | 17 15 | 1 10 | 1 47 | 24 45 | 17 0 | 5 30 |
| S 20 | 10 56 | 20 28 | 3 40 | 3 27 | 2 16 | 9 45 | 1 27 | 11 13 | 1 4 | 22 56 | 0 20 | 21 30 | 1 29 | 0 19 | 0 48 | 21 18 | 1 0 | 1 55 | 17 16 | 1 10 | 1 46 | 24 44 | 17 0 | 5 30 |
| M21 | 10 34 | 24 33 | 4 26 | 3 18 | 2 31 | 9 17 | 1 27 | 10 56 | 1 4 | 22 56 | 0 20 | 21 30 | 1 29 | 0 18 | 0 48 | 21 18 | 1 0 | 1 55 | 17 16 | 1 10 | 1 45 | 24 42 | 17 0 | 5 29 |
| T 22 | 10 12 | 27 22 | 4 58 | 3 13 | 2 46 | 8 49 | 1 27 | 10 38 | 1 4 | 22 57 | 0 20 | 21 30 | 1 29 | 0 18 | 0 48 | 21 18 | 1 0 | 1 56 | 17 17 | 1 10 | 1 44 | 24 40 | 17 1 | 5 29 |
| W23 | 9 51 | 28 31 | 5 12 | 3 14 | 3 0 | 8 21 | 1 28 | 10 21 | 1 4 | 22 57 | 0 19 | 21 31 | 1 29 | 0 17 | 0 48 | 21 17 | 1 0 | 1 57 | 17 17 | 1 10 | 1 42 | 24 38 | 17 1 | 5 29 |
| T 24 | 9 28 | 27 45 | 5 8 | 3 20 | 3 12 | 7 52 | 1 28 | 10 3 | 1 4 | 22 57 | 0 19 | 21 31 | 1 28 | 0 16 | 0 48 | 21 17 | 1 0 | 1 57 | 17 18 | 1 8 | 1 41 | 24 36 | 17 1 | 5 28 |
| F 25 | 9 6 | 25 2 | 4 43 | 3 31 | 3 22 | 7 23 | 1 28 | 9 46 | 1 3 | 22 57 | 0 19 | 21 31 | 1 28 | 0 15 | 0 48 | 21 17 | 1 0 | 1 58 | 17 19 | 1 7 | 1 40 | 24 34 | 17 2 | 5 28 |
| S 26 | 8 44 | 20 35 | 3 59 | 3 46 | 3 30 | 6 54 | 1 28 | 9 28 | 1 3 | 22 57 | 0 19 | 21 32 | 1 28 | 0 14 | 0 48 | 21 17 | 1 0 | 1 58 | 17 19 | 1 5 | 1 39 | 24 33 | 17 2 | 5 28 |
| S 27 | 8 21 | 14 49 | 2 58 | 4 5 | 3 36 | 6 25 | 1 28 | 9 10 | 1 3 | 22 58 | 0 19 | 21 32 | 1 28 | 0 13 | 0 49 | 21 17 | 1 0 | 1 59 | 17 20 | 1 4 | 1 37 | 24 31 | 17 2 | 5 27 |
| M28 | 7s59 | 8n13 | 1n45 | 4s28 | 3n39 | 5s56 | 1s28 | 8s52 | 1s 3 | 22n58 | 0s19 | 21n32 | 1s27 | 0s12 | 0n49 | 21s16 | 1n 0 | 2n 0 | 17n20 | 1n 3 | 1n36 | 24s29 | 17n 3 | 5s27 |

Julian Day Number = 2807322.5, Delta T = 52m06s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°22'33, Lahiri = 37°29'33


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# ASTRODIENST EPHEMERIS for the year 2974
# geocentric

## MARCH 2974 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 37 6 | 10♓28'51 | 27♍47 | 8°R39 | 19♓36 | 10♓29 | 26♊38 | 20♊40 | 2°R21 | 16♉51 | 9°R11 | 2°D39 | 4♈ 0 | 0♒27 | 14♊53 | T 1 |
| W 2 | 10 41 2 | 11°29'27 | 12♎ 4 | 7♓30 | 20°51 | 11°16 | 26°40 | 20°41 | 2♎19 | 16°53 | 9♏11 | 2♈39 | 3°57 | 0°33 | 14°53 | W 2 |
| T 3 | 10 44 59 | 12°30'01 | 25°56 | 6°22 | 22° 6 | 12° 4 | 26°42 | 20°42 | 2°16 | 16°54 | 9°10 | 2°40 | 3°54 | 0°40 | 14°54 | T 3 |
| F 4 | 10 48 56 | 13°30'34 | 9♏22 | 5°19 | 23°22 | 12°51 | 26°44 | 20°44 | 2°14 | 16°56 | 9° 9 | 2°42 | 3°50 | 0°47 | 14°55 | F 4 |
| S 5 | 10 52 52 | 14°31'06 | 22°22 | 4°20 | 24°37 | 13°39 | 26°47 | 20°45 | 2°11 | 16°57 | 9° 8 | 2°43 | 3°47 | 0°54 | 14°55 | S 5 |
| S 6 | 10 56 49 | 15°31'37 | 5♐ 0 | 3°28 | 25°52 | 14°26 | 26°50 | 20°46 | 2° 9 | 16°59 | 9° 8 | 2°44 | 3°44 | 1° 0 | 14°56 | S 6 |
| M 7 | 11 0 45 | 16°32'07 | 17°19 | 2°42 | 27° 7 | 15°14 | 26°53 | 20°48 | 2° 6 | 17° 0 | 9° 7 | 2°R44 | 3°41 | 1° 7 | 14°57 | M 7 |
| T 8 | 11 4 42 | 17°32'35 | 29°24 | 2° 3 | 28°22 | 16° 1 | 26°56 | 20°50 | 2° 4 | 17° 1 | 9° 6 | 2°44 | 3°38 | 1°14 | 14°58 | T 8 |
| W 9 | 11 8 38 | 18°33'02 | 11♑21 | 1°32 | 29°37 | 16°49 | 26°59 | 20°52 | 2° 1 | 17° 3 | 9° 5 | 2°43 | 3°35 | 1°20 | 14°59 | W 9 |
| T 10 | 11 12 35 | 19°33'28 | 23°12 | 1° 8 | 0♈52 | 17°36 | 27° 3 | 20°53 | 1°59 | 17° 4 | 9° 4 | 2°41 | 3°31 | 1°27 | 15° 0 | T 10 |
| F 11 | 11 16 31 | 20°33'53 | 5♒ 2 | 0°52 | 2° 7 | 18°23 | 27° 6 | 20°55 | 1°56 | 17° 5 | 9° 3 | 2°39 | 3°28 | 1°34 | 15° 2 | F 11 |
| S 12 | 11 20 28 | 21°34'16 | 16°56 | 0°43 | 3°22 | 19°11 | 27°10 | 20°58 | 1°54 | 17° 6 | 9° 2 | 2°37 | 3°25 | 1°40 | 15° 3 | S 12 |
| S 13 | 11 24 25 | 22°34'37 | 28°55 | 0°D41 | 4°37 | 19°58 | 27°14 | 21° 0 | 1°51 | 17° 8 | 9° 1 | 2°36 | 3°22 | 1°47 | 15° 4 | S 13 |
| M14 | 11 28 21 | 23°34'57 | 11♓ 2 | 0°45 | 5°51 | 20°46 | 27°19 | 21° 2 | 1°49 | 17° 9 | 9° 0 | 2°35 | 3°19 | 1°54 | 15° 6 | M14 |
| T 15 | 11 32 18 | 24°35'15 | 23°19 | 0°56 | 7° 6 | 21°33 | 27°23 | 21° 5 | 1°46 | 17°10 | 8°59 | 2°34 | 3°15 | 2° 1 | 15° 7 | T 15 |
| W16 | 11 36 14 | 25°35'32 | 5♈47 | 1°13 | 8°21 | 22°21 | 27°28 | 21° 7 | 1°43 | 17°11 | 8°58 | 2°D34 | 3°12 | 2° 7 | 15° 9 | W16 |
| T 17 | 11 40 11 | 26°35'47 | 18°27 | 1°35 | 9°36 | 23° 8 | 27°32 | 21°10 | 1°41 | 17°12 | 8°57 | 2°34 | 3° 9 | 2°14 | 15°10 | T 17 |
| F 18 | 11 44 7 | 27°36'00 | 1♉20 | 2° 3 | 10°51 | 23°55 | 27°37 | 21°13 | 1°38 | 17°13 | 8°56 | 2°35 | 3° 6 | 2°21 | 15°12 | F 18 |
| S 19 | 11 48 4 | 28°36'12 | 14°26 | 2°35 | 12° 6 | 24°43 | 27°43 | 21°15 | 1°35 | 17°14 | 8°55 | 2°35 | 3° 3 | 2°27 | 15°14 | S 19 |
| S 20 | 11 52 0 | 29°36'21 | 27°47 | 3°11 | 13°20 | 25°30 | 27°48 | 21°18 | 1°33 | 17°15 | 8°53 | 2°36 | 3° 0 | 2°34 | 15°16 | S 20 |
| M21 | 11 55 57 | 0♈36'29 | 11♊22 | 3°52 | 14°35 | 26°17 | 27°53 | 21°21 | 1°30 | 17°16 | 8°52 | 2°36 | 2°56 | 2°41 | 15°17 | M21 |
| T 22 | 11 59 54 | 1°36'34 | 25°11 | 4°37 | 15°50 | 27° 5 | 27°59 | 21°25 | 1°28 | 17°17 | 8°51 | 2°36 | 2°53 | 2°48 | 15°19 | T 22 |
| W23 | 12 3 50 | 2°36'37 | 9♋14 | 5°25 | 17° 5 | 27°52 | 28° 5 | 21°28 | 1°25 | 17°18 | 8°50 | 2°36 | 2°50 | 2°54 | 15°21 | W23 |
| T 24 | 12 7 47 | 3°36'39 | 23°29 | 6°16 | 18°19 | 28°39 | 28°11 | 21°31 | 1°22 | 17°19 | 8°48 | 2°36 | 2°47 | 3° 1 | 15°23 | T 24 |
| F 25 | 12 11 43 | 4°36'38 | 7♌55 | 7°11 | 19°34 | 29°27 | 28°17 | 21°35 | 1°20 | 17°20 | 8°47 | 2°36 | 2°44 | 3° 8 | 15°26 | F 25 |
| S 26 | 12 15 40 | 5°36'35 | 22°27 | 8° 9 | 20°48 | 0♈14 | 28°23 | 21°38 | 1°17 | 17°21 | 8°46 | 2°36 | 2°41 | 3°14 | 15°28 | S 26 |
| S 27 | 12 19 36 | 6°36'29 | 7♍ 1 | 9° 9 | 22° 3 | 1° 1 | 28°30 | 21°42 | 1°15 | 17°21 | 8°44 | 2°37 | 2°37 | 3°21 | 15°30 | S 27 |
| M28 | 12 23 33 | 7°36'22 | 21°31 | 10°12 | 23°17 | 1°49 | 28°37 | 21°46 | 1°12 | 17°22 | 8°43 | 2°37 | 2°34 | 3°28 | 15°32 | M28 |
| T 29 | 12 27 29 | 8°36'13 | 5♎51 | 11°17 | 24°32 | 2°36 | 28°43 | 21°49 | 1° 9 | 17°23 | 8°42 | 2°R37 | 2°31 | 3°34 | 15°35 | T 29 |
| W30 | 12 31 26 | 9°36'02 | 19°56 | 12°25 | 25°46 | 3°23 | 28°50 | 21°53 | 1° 7 | 17°23 | 8°40 | 2°37 | 2°28 | 3°41 | 15°37 | W30 |
| T 31 | 12 35 22 | 10♈35'49 | 3♏42 | 13♓35 | 27♈ 1 | 4♈10 | 28♊57 | 21♊57 | 1♎ 4 | 17♉24 | 8♏39 | 2♈36 | 2♈25 | 3♒48 | 15♊40 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 7s36 | 1n17 | 0n27 | 4s53 | 3n40 | 5s26 | 1s28 | 8s34 | 1s 3 | 22n58 | 0s18 | 21n32 | 1s27 | 0s11 | 0n49 | 21s16 | 1n 0 | 2n 0 | 17n21 | 1n 3 | 1n35 | 24s27 | 17n 3 | 5s27 | |
| W 2 | 7 13 | 5s33 | 0s52 | 5 20 | 3 39 | 4 57 | 1 27 | 8 16 | 1 3 | 22 58 | 0 18 | 21 33 | 1 27 | 0 10 | 0 49 | 21 16 | 1 0 | 2 1 | 17 21 | 1 3 | 1 34 | 24 25 | 17 3 | 5 27 | |
| T 3 | 6 50 | 11 55 | 2 5 | 5 47 | 3 35 | 4 27 | 1 27 | 7 58 | 1 2 | 22 58 | 0 18 | 21 33 | 1 27 | 0 9 | 0 49 | 21 16 | 1 0 | 2 2 | 17 22 | 1 3 | 1 32 | 24 23 | 17 4 | 5 26 | |
| F 4 | 6 27 | 17 31 | 3 9 | 6 16 | 3 30 | 3 57 | 1 27 | 7 40 | 1 2 | 22 59 | 0 18 | 21 33 | 1 26 | 0 8 | 0 49 | 21 16 | 1 0 | 2 3 | 17 22 | 1 4 | 1 31 | 24 21 | 17 4 | 5 26 | |
| S 5 | 6 4 | 22 9 | 4 1 | 6 44 | 3 22 | 3 27 | 1 26 | 7 21 | 1 2 | 22 59 | 0 18 | 21 34 | 1 26 | 0 7 | 0 49 | 21 15 | 1 0 | 2 3 | 17 23 | 1 4 | 1 30 | 24 20 | 17 4 | 5 26 | |
| S 6 | 5 41 | 25 36 | 4 40 | 7 11 | 3 13 | 2 57 | 1 26 | 7 3 | 1 2 | 22 59 | 0 17 | 21 34 | 1 26 | 0 6 | 0 49 | 21 15 | 1 0 | 2 4 | 17 23 | 1 5 | 1 29 | 24 18 | 17 5 | 5 25 | |
| M 7 | 5 17 | 27 46 | 5 5 | 7 37 | 3 3 | 2 27 | 1 25 | 6 44 | 1 2 | 22 59 | 0 17 | 21 34 | 1 26 | 0 5 | 0 49 | 21 15 | 1 0 | 2 5 | 17 24 | 1 5 | 1 27 | 24 16 | 17 5 | 5 25 | |
| T 8 | 4 54 | 28 34 | 5 15 | 8 1 | 2 51 | 1 56 | 1 24 | 6 26 | 1 1 | 23 0 | 0 17 | 21 35 | 1 26 | 0 4 | 0 49 | 21 15 | 1 0 | 2 5 | 17 24 | 1 5 | 1 26 | 24 14 | 17 6 | 5 25 | |
| W 9 | 4 30 | 28 1 | 5 12 | 8 24 | 2 39 | 1 26 | 1 24 | 6 7 | 1 1 | 23 0 | 0 17 | 21 35 | 1 25 | 0 3 | 0 49 | 21 15 | 1 0 | 2 6 | 17 24 | 1 4 | 1 25 | 24 12 | 17 6 | 5 24 | |
| T 10 | 4 7 | 26 12 | 4 56 | 8 44 | 2 26 | 0 56 | 1 23 | 5 49 | 1 1 | 23 0 | 0 17 | 21 35 | 1 25 | 0 2 | 0 49 | 21 14 | 1 0 | 2 7 | 17 25 | 1 4 | 1 24 | 24 10 | 17 6 | 5 24 | |
| F 11 | 3 43 | 23 14 | 4 27 | 9 2 | 2 13 | 0 25 | 1 22 | 5 30 | 1 1 | 23 0 | 0 17 | 21 36 | 1 25 | 0 1 | 0 49 | 21 14 | 1 0 | 2 7 | 17 25 | 1 3 | 1 22 | 24 8 | 17 7 | 5 24 | |
| S 12 | 3 20 | 19 17 | 3 47 | 9 18 | 1 59 | 0n 5 | 1 21 | 5 11 | 1 0 | 23 1 | 0 16 | 21 36 | 1 25 | 0 0 | 0 49 | 21 14 | 1 0 | 2 8 | 17 26 | 1 2 | 1 21 | 24 6 | 17 7 | 5 24 | |
| S 13 | 2 56 | 14 32 | 2 56 | 9 32 | 1 45 | 0 36 | 1 20 | 4 53 | 1 0 | 23 1 | 0 16 | 21 37 | 1 24 | 0n 1 | 0 49 | 21 14 | 1 0 | 2 9 | 17 26 | 1 2 | 1 20 | 24 4 | 17 8 | 5 23 | |
| M14 | 2 32 | 9 12 | 1 57 | 9 43 | 1 32 | 1 6 | 1 19 | 4 34 | 1 0 | 23 1 | 0 16 | 21 37 | 1 24 | 0 2 | 0 49 | 21 14 | 1 0 | 2 10 | 17 27 | 1 1 | 1 19 | 24 2 | 17 8 | 5 23 | |
| T 15 | 2 8 | 3 26 | 0 51 | 9 52 | 1 18 | 1 36 | 1 18 | 4 15 | 1 0 | 23 1 | 0 16 | 21 37 | 1 24 | 0 3 | 0 49 | 21 14 | 1 0 | 2 10 | 17 27 | 1 1 | 1 17 | 24 0 | 17 9 | 5 23 | |
| W16 | 1 45 | 2n33 | 0n18 | 9 59 | 1 5 | 2 7 | 1 17 | 3 56 | 0 59 | 23 2 | 0 16 | 21 38 | 1 24 | 0 4 | 0 49 | 21 13 | 1 0 | 2 11 | 17 28 | 1 1 | 1 16 | 23 58 | 17 9 | 5 22 | |
| T 17 | 1 21 | 8 32 | 1 27 | 10 3 | 0 52 | 2 37 | 1 16 | 3 37 | 0 59 | 23 2 | 0 16 | 21 38 | 1 23 | 0 5 | 0 49 | 21 13 | 1 0 | 2 12 | 17 28 | 1 1 | 1 15 | 23 57 | 17 9 | 5 22 | |
| F 18 | 0 57 | 14 16 | 2 33 | 10 5 | 0 39 | 3 8 | 1 15 | 3 18 | 0 59 | 23 2 | 0 15 | 21 39 | 1 23 | 0 6 | 0 49 | 21 13 | 1 0 | 2 12 | 17 28 | 1 1 | 1 14 | 23 55 | 17 10 | 5 22 | |
| S 19 | 0 33 | 19 28 | 3 32 | 10 6 | 0 26 | 3 38 | 1 13 | 2 59 | 0 59 | 23 2 | 0 15 | 21 39 | 1 23 | 0 7 | 0 49 | 21 13 | 1 0 | 2 13 | 17 29 | 1 1 | 1 12 | 23 53 | 17 10 | 5 22 | |
| S 20 | 0 9 | 23 48 | 4 21 | 10 4 | 0 14 | 4 8 | 1 12 | 2 40 | 0 58 | 23 3 | 0 15 | 21 39 | 1 23 | 0 8 | 0 49 | 21 13 | 1 0 | 2 14 | 17 29 | 1 2 | 1 11 | 23 51 | 17 11 | 5 21 | |
| M21 | 0n14 | 26 54 | 4 56 | 10 0 | 0 2 | 4 38 | 1 10 | 2 21 | 0 58 | 23 3 | 0 15 | 21 40 | 1 22 | 0 9 | 0 49 | 21 13 | 1 0 | 2 15 | 17 30 | 1 2 | 1 10 | 23 49 | 17 11 | 5 21 | |
| T 22 | 0 38 | 28 28 | 5 15 | 9 55 | 0s 9 | 5 8 | 1 9 | 2 2 | 0 58 | 23 3 | 0 15 | 21 40 | 1 22 | 0 10 | 0 49 | 21 13 | 1 0 | 2 15 | 17 30 | 1 2 | 1 9 | 23 47 | 17 12 | 5 21 | |
| W23 | 1 2 | 28 14 | 5 15 | 9 47 | 0 20 | 5 38 | 1 7 | 1 43 | 0 57 | 23 3 | 0 15 | 21 41 | 1 22 | 0 11 | 0 49 | 21 12 | 1 0 | 2 16 | 17 30 | 1 2 | 1 7 | 23 45 | 17 12 | 5 20 | |
| T 24 | 1 26 | 26 9 | 4 56 | 9 38 | 0 31 | 6 8 | 1 6 | 1 24 | 0 57 | 23 4 | 0 15 | 21 41 | 1 22 | 0 12 | 0 49 | 21 12 | 1 0 | 2 17 | 17 31 | 1 2 | 1 6 | 23 43 | 17 13 | 5 20 | |
| F 25 | 1 49 | 22 22 | 4 19 | 9 28 | 0 41 | 6 37 | 1 4 | 1 5 | 0 57 | 23 4 | 0 14 | 21 42 | 1 22 | 0 13 | 0 49 | 21 12 | 1 0 | 2 17 | 17 31 | 1 2 | 1 5 | 23 41 | 17 13 | 5 20 | |
| S 26 | 2 13 | 17 11 | 3 25 | 9 15 | 0 50 | 7 7 | 1 2 | 0 46 | 0 56 | 23 4 | 0 14 | 21 42 | 1 21 | 0 14 | 0 49 | 21 12 | 1 0 | 2 18 | 17 31 | 1 2 | 1 4 | 23 39 | 17 14 | 5 20 | |
| S 27 | 2 37 | 11 1 | 2 17 | 9 1 | 1 0 | 7 36 | 1 1 | 0 27 | 0 56 | 23 4 | 0 14 | 21 42 | 1 21 | 0 15 | 0 49 | 21 12 | 1 0 | 2 19 | 17 32 | 1 2 | 1 2 | 23 37 | 17 14 | 5 19 | |
| M28 | 3 0 | 4 17 | 1 1 | 8 46 | 1 8 | 8 5 | 0 59 | 0 8 | 0 56 | 23 5 | 0 14 | 21 43 | 1 21 | 0 16 | 0 49 | 21 12 | 1 0 | 2 20 | 17 32 | 1 2 | 1 1 | 23 35 | 17 15 | 5 19 | |
| T 29 | 3 24 | 2s35 | 0s18 | 8 28 | 1 17 | 8 34 | 0 57 | 0n11 | 0 55 | 23 5 | 0 14 | 21 43 | 1 21 | 0 17 | 0 49 | 21 12 | 1 0 | 2 20 | 17 32 | 1 2 | 1 0 | 23 33 | 17 15 | 5 19 | |
| W30 | 3 47 | 9 13 | 1 35 | 8 10 | 1 24 | 9 3 | 0 55 | 0 30 | 0 55 | 23 5 | 0 14 | 21 44 | 1 21 | 0 18 | 0 49 | 21 12 | 1 0 | 2 21 | 17 33 | 1 2 | 0 58 | 23 30 | 17 16 | 5 19 | |
| T 31 | 4n10 | 15s16 | 2s44 | 7s50 | 1s32 | 9n32 | 0s53 | 0n49 | 0s55 | 23n 5 | 0s13 | 21n44 | 1s20 | 0n19 | 0n49 | 21s11 | 1n 0 | 2n22 | 17n33 | 1n 2 | 0n57 | 23s28 | 17n16 | 5s18 | |

Julian Day Number = 2807350.5, Delta T = 52m06s
Ecliptic obliquity = 23°18'57, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°22'36, Lahiri = 37°29'37


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# ASTRODIENST EPHEMERIS for the year 2974
# geocentric

## APRIL 2974 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 39 19 | 11♈35'34 | 17♏ 7 | 14♓47 | 28♈15 | 4♈58 | 29♊ 5 | 22♊ 1 | 1°R 2 | 17♑25 | 8°R37 | 2°R35 | 2♈21 | 3♒55 | 15♊42 | F 1 |
| S 2 | 12 43 16 | 12°35'18 | 0♐10 | 16° 1 | 29°30 | 5°45 | 29°12 | 22° 6 | 0♎59 | 17°25 | 8♏36 | 2♈34 | 2°18 | 4° 1 | 15°45 | S 2 |
| S 3 | 12 47 12 | 13°35'00 | 12°52 | 17°16 | 0♉44 | 6°32 | 29°19 | 22°10 | 0°56 | 17°26 | 8°34 | 2°32 | 2°15 | 4° 8 | 15°47 | S 3 |
| M 4 | 12 51 9 | 14°34'40 | 25°16 | 18°34 | 1°58 | 7°19 | 29°27 | 22°14 | 0°54 | 17°26 | 8°33 | 2°31 | 2°12 | 4°15 | 15°50 | M 4 |
| T 5 | 12 55 5 | 15°34'18 | 7♑25 | 19°53 | 3°13 | 8° 6 | 29°35 | 22°19 | 0°51 | 17°27 | 8°31 | 2°30 | 2° 9 | 4°21 | 15°53 | T 5 |
| W 6 | 12 59 2 | 16°33'55 | 19°23 | 21°14 | 4°27 | 8°53 | 29°43 | 22°23 | 0°49 | 17°27 | 8°30 | 2°D30 | 2° 6 | 4°28 | 15°56 | W 6 |
| T 7 | 13 2 58 | 17°33'30 | 1♒15 | 22°37 | 5°41 | 9°40 | 29°51 | 22°28 | 0°46 | 17°28 | 8°28 | 2°31 | 2° 2 | 4°35 | 15°59 | T 7 |
| F 8 | 13 6 55 | 18°33'04 | 13° 6 | 24° 1 | 6°55 | 10°27 | 29°59 | 22°33 | 0°44 | 17°28 | 8°27 | 2°32 | 1°59 | 4°41 | 16° 1 | F 8 |
| S 9 | 13 10 51 | 19°32'36 | 25° 1 | 25°27 | 8°10 | 11°14 | 0♋ 8 | 22°37 | 0°41 | 17°28 | 8°25 | 2°33 | 1°56 | 4°48 | 16° 4 | S 9 |
| S 10 | 13 14 48 | 20°32'05 | 7♓ 4 | 26°54 | 9°24 | 12° 1 | 0°16 | 22°42 | 0°39 | 17°29 | 8°24 | 2°35 | 1°53 | 4°55 | 16° 7 | S 10 |
| M11 | 13 18 45 | 21°31'33 | 19°17 | 28°23 | 10°38 | 12°48 | 0°25 | 22°47 | 0°37 | 17°29 | 8°22 | 2°36 | 1°50 | 5° 2 | 16°11 | M11 |
| T 12 | 13 22 41 | 22°31'00 | 1♈45 | 29°53 | 11°52 | 13°35 | 0°33 | 22°52 | 0°34 | 17°29 | 8°20 | 2°R37 | 1°47 | 5° 8 | 16°14 | T 12 |
| W13 | 13 26 38 | 23°30'24 | 14°30 | 1♈25 | 13° 6 | 14°22 | 0°42 | 22°57 | 0°32 | 17°29 | 8°19 | 2°36 | 1°43 | 5°15 | 16°17 | W13 |
| T 14 | 13 30 34 | 24°29'46 | 27°30 | 2°58 | 14°20 | 15° 9 | 0°51 | 23° 3 | 0°30 | 17°29 | 8°17 | 2°35 | 1°40 | 5°22 | 16°20 | T 14 |
| F 15 | 13 34 31 | 25°29'07 | 10♉48 | 4°33 | 15°34 | 15°56 | 1° 0 | 23° 8 | 0°27 | 17°30 | 8°16 | 2°32 | 1°37 | 5°28 | 16°23 | F 15 |
| S 16 | 13 38 27 | 26°28'25 | 24°20 | 6° 9 | 16°48 | 16°43 | 1°10 | 23°13 | 0°25 | 17°30 | 8°14 | 2°29 | 1°34 | 5°35 | 16°27 | S 16 |
| S 17 | 13 42 24 | 27°27'42 | 8♊ 5 | 7°46 | 18° 2 | 17°30 | 1°19 | 23°19 | 0°23 | 17°30 | 8°12 | 2°25 | 1°31 | 5°42 | 16°30 | S 17 |
| M18 | 13 46 20 | 28°26'56 | 22° 1 | 9°25 | 19°16 | 18°17 | 1°28 | 23°24 | 0°20 | 17°30 | 8°11 | 2°21 | 1°27 | 5°48 | 16°33 | M18 |
| T 19 | 13 50 17 | 29°26'08 | 6♋ 4 | 11° 5 | 20°29 | 19° 3 | 1°38 | 23°30 | 0°18 | 17°R30 | 8° 9 | 2°18 | 1°24 | 5°55 | 16°37 | T 19 |
| W20 | 13 54 14 | 0♉25'18 | 20°12 | 12°47 | 21°43 | 19°50 | 1°48 | 23°35 | 0°16 | 17°30 | 8° 7 | 2°17 | 1°21 | 6° 2 | 16°40 | W20 |
| T 21 | 13 58 10 | 1°24'25 | 4♌23 | 14°30 | 22°57 | 20°37 | 1°57 | 23°41 | 0°14 | 17°30 | 8° 6 | 2°D17 | 1°18 | 6° 9 | 16°44 | T 21 |
| F 22 | 14 2 7 | 2°23'31 | 18°34 | 16°14 | 24°11 | 21°23 | 2° 7 | 23°47 | 0°12 | 17°30 | 8° 4 | 2°17 | 1°15 | 6°15 | 16°48 | F 22 |
| S 23 | 14 6 3 | 3°22'33 | 2♍44 | 18° 0 | 25°24 | 22°10 | 2°17 | 23°53 | 0°10 | 17°29 | 8° 2 | 2°19 | 1°12 | 6°22 | 16°51 | S 23 |
| S 24 | 14 10 0 | 4°21'34 | 16°51 | 19°48 | 26°38 | 22°57 | 2°28 | 23°58 | 0° 8 | 17°29 | 8° 1 | 2°20 | 1° 8 | 6°29 | 16°55 | S 24 |
| M25 | 14 13 56 | 5°20'32 | 0♎52 | 21°37 | 27°52 | 23°43 | 2°38 | 24° 4 | 0° 6 | 17°29 | 7°59 | 2°R21 | 1° 5 | 6°35 | 16°59 | M25 |
| T 26 | 14 17 53 | 6°19'28 | 14°45 | 23°27 | 29° 5 | 24°30 | 2°48 | 24°10 | 0° 4 | 17°29 | 7°57 | 2°20 | 1° 2 | 6°42 | 17° 2 | T 26 |
| W27 | 14 21 49 | 7°18'22 | 28°27 | 25°19 | 0♊19 | 25°16 | 2°59 | 24°16 | 0° 2 | 17°29 | 7°55 | 2°18 | 0°59 | 6°49 | 17° 6 | W27 |
| T 28 | 14 25 46 | 8°17'14 | 11♏55 | 27°13 | 1°32 | 26° 3 | 3° 9 | 24°23 | 29♍59 | 17°28 | 7°54 | 2°14 | 0°56 | 6°55 | 17°10 | T 28 |
| F 29 | 14 29 43 | 9°16'04 | 25° 8 | 29° 8 | 2°46 | 26°49 | 3°20 | 24°29 | 29°58 | 17°28 | 7°52 | 2° 8 | 0°53 | 7° 2 | 17°14 | F 29 |
| S 30 | 14 33 39 | 10♉14'53 | 8♐ 4 | 1♉ 4 | 3♊59 | 27♈35 | 3♋30 | 24♊35 | 29♍56 | 17♑28 | 7♏50 | 2♈ 2 | 0♈49 | 7♒ 9 | 17♊18 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4n34 | 20s25 | 3s42 | 7s29 | 1s39 | 10n 0 | 0s51 | 1n 8 | 0s54 | 23n 5 | 0s13 | 21n45 | 1s20 | 0n20 | 0n49 | 21s11 | 1n 0 | 2n22 | 17n33 | 1n 1 | 0n56 | 23s26 | 17n17 | 5s18 |
| S 2 | 4 57 | 24 26 | 4 27 | 7 6 | 1 45 | 10 28 | 0 49 | 1 27 | 0 54 | 23 6 | 0 13 | 21 45 | 1 20 | 0 21 | 0 49 | 21 11 | 1 1 | 2 23 | 17 33 | 1 1 | 0 55 | 23 24 | 17 17 | 5 18 |
| S 3 | 5 20 | 27 9 | 4 58 | 6 43 | 1 51 | 10 56 | 0 47 | 1 46 | 0 53 | 23 6 | 0 13 | 21 46 | 1 20 | 0 22 | 0 49 | 21 11 | 1 1 | 2 24 | 17 34 | 1 0 | 0 53 | 23 22 | 17 18 | 5 18 |
| M 4 | 5 43 | 28 28 | 5 14 | 6 17 | 1 57 | 11 24 | 0 45 | 2 5 | 0 53 | 23 6 | 0 13 | 21 46 | 1 19 | 0 23 | 0 49 | 21 11 | 1 1 | 2 24 | 17 34 | 1 0 | 0 52 | 23 20 | 17 18 | 5 17 |
| T 5 | 6 6 | 28 21 | 5 15 | 5 51 | 2 2 | 11 51 | 0 43 | 2 23 | 0 53 | 23 6 | 0 13 | 21 46 | 1 19 | 0 24 | 0 49 | 21 11 | 1 1 | 2 25 | 17 34 | 1 0 | 0 51 | 23 18 | 17 19 | 5 17 |
| W 6 | 6 29 | 26 55 | 5 3 | 5 24 | 2 6 | 12 18 | 0 40 | 2 42 | 0 52 | 23 6 | 0 13 | 21 47 | 1 19 | 0 25 | 0 49 | 21 11 | 1 1 | 2 26 | 17 34 | 0 59 | 0 50 | 23 16 | 17 19 | 5 17 |
| T 7 | 6 51 | 24 17 | 4 38 | 4 55 | 2 11 | 12 45 | 0 38 | 3 1 | 0 52 | 23 7 | 0 12 | 21 47 | 1 19 | 0 26 | 0 49 | 21 11 | 1 1 | 2 26 | 17 35 | 1 0 | 0 48 | 23 14 | 17 20 | 5 17 |
| F 8 | 7 14 | 20 38 | 4 1 | 4 25 | 2 14 | 13 11 | 0 36 | 3 20 | 0 51 | 23 7 | 0 12 | 21 48 | 1 19 | 0 27 | 0 49 | 21 11 | 1 1 | 2 27 | 17 35 | 1 0 | 0 47 | 23 12 | 17 20 | 5 16 |
| S 9 | 7 36 | 16 9 | 3 13 | 3 54 | 2 18 | 13 38 | 0 34 | 3 39 | 0 51 | 23 7 | 0 12 | 21 48 | 1 18 | 0 28 | 0 49 | 21 11 | 1 1 | 2 28 | 17 35 | 1 1 | 0 46 | 23 10 | 17 21 | 5 16 |
| S 10 | 7 59 | 10 59 | 2 16 | 3 22 | 2 20 | 14 3 | 0 31 | 3 57 | 0 51 | 23 7 | 0 12 | 21 49 | 1 18 | 0 29 | 0 49 | 21 11 | 1 1 | 2 28 | 17 35 | 1 1 | 0 45 | 23 8 | 17 21 | 5 16 |
| M11 | 8 21 | 5 20 | 1 13 | 2 49 | 2 23 | 14 29 | 0 29 | 4 16 | 0 50 | 23 7 | 0 12 | 21 49 | 1 18 | 0 30 | 0 48 | 21 11 | 1 1 | 2 29 | 17 35 | 1 2 | 0 43 | 23 5 | 17 22 | 5 16 |
| T 12 | 8 43 | 0n37 | 0 5 | 2 15 | 2 25 | 14 54 | 0 26 | 4 34 | 0 50 | 23 7 | 0 12 | 21 50 | 1 18 | 0 31 | 0 48 | 21 11 | 1 1 | 2 30 | 17 36 | 1 2 | 0 42 | 23 3 | 17 22 | 5 16 |
| W13 | 9 5 | 6 41 | 1n 5 | 1 40 | 2 26 | 15 19 | 0 24 | 4 53 | 0 49 | 23 7 | 0 12 | 21 50 | 1 18 | 0 32 | 0 48 | 21 10 | 1 1 | 2 30 | 17 36 | 1 2 | 0 41 | 23 1 | 17 23 | 5 15 |
| T 14 | 9 27 | 12 36 | 2 13 | 1 4 | 2 27 | 15 43 | 0 21 | 5 11 | 0 49 | 23 7 | 0 11 | 21 51 | 1 17 | 0 33 | 0 48 | 21 10 | 1 1 | 2 31 | 17 36 | 1 1 | 0 40 | 22 59 | 17 24 | 5 15 |
| F 15 | 9 48 | 18 4 | 3 15 | 0 28 | 2 27 | 16 7 | 0 19 | 5 30 | 0 48 | 23 7 | 0 11 | 21 51 | 1 17 | 0 34 | 0 48 | 21 10 | 1 1 | 2 32 | 17 36 | 1 0 | 0 38 | 22 57 | 17 24 | 5 15 |
| S 16 | 10 10 | 22 45 | 4 7 | 0n10 | 2 27 | 16 31 | 0 16 | 5 48 | 0 48 | 23 7 | 0 11 | 21 52 | 1 17 | 0 35 | 0 48 | 21 10 | 1 1 | 2 32 | 17 36 | 0 59 | 0 37 | 22 55 | 17 25 | 5 15 |
| S 17 | 10 31 | 26 15 | 4 46 | 0 49 | 2 27 | 16 54 | 0 14 | 6 6 | 0 47 | 23 7 | 0 11 | 21 52 | 1 17 | 0 35 | 0 48 | 21 10 | 1 1 | 2 33 | 17 36 | 0 57 | 0 36 | 22 53 | 17 25 | 5 15 |
| M18 | 10 52 | 28 12 | 5 8 | 1 28 | 2 26 | 17 16 | 0 11 | 6 24 | 0 47 | 23 8 | 0 11 | 21 52 | 1 17 | 0 36 | 0 48 | 21 10 | 1 1 | 2 33 | 17 36 | 0 56 | 0 35 | 22 50 | 17 26 | 5 14 |
| T 19 | 11 13 | 28 23 | 5 13 | 2 9 | 2 24 | 17 39 | 0 8 | 6 42 | 0 46 | 23 8 | 0 11 | 21 53 | 1 17 | 0 37 | 0 48 | 21 10 | 1 1 | 2 34 | 17 37 | 0 55 | 0 33 | 22 48 | 17 26 | 5 14 |
| W20 | 11 34 | 26 43 | 4 58 | 2 50 | 2 22 | 18 0 | 0 6 | 7 0 | 0 46 | 23 8 | 0 11 | 21 53 | 1 16 | 0 38 | 0 48 | 21 10 | 1 1 | 2 35 | 17 37 | 0 54 | 0 32 | 22 46 | 17 27 | 5 14 |
| T 21 | 11 54 | 23 22 | 4 26 | 3 32 | 2 20 | 18 22 | 0 3 | 7 18 | 0 45 | 23 8 | 0 11 | 21 54 | 1 16 | 0 39 | 0 48 | 21 10 | 1 1 | 2 35 | 17 37 | 0 54 | 0 31 | 22 44 | 17 27 | 5 14 |
| F 22 | 12 14 | 18 37 | 3 37 | 4 15 | 2 17 | 18 43 | 0 1 | 7 36 | 0 45 | 23 8 | 0 10 | 21 54 | 1 16 | 0 40 | 0 48 | 21 10 | 1 1 | 2 36 | 17 37 | 0 54 | 0 30 | 22 42 | 17 28 | 5 14 |
| S 23 | 12 35 | 12 51 | 2 35 | 4 58 | 2 14 | 19 3 | 0n 2 | 7 54 | 0 44 | 23 7 | 0 10 | 21 55 | 1 16 | 0 40 | 0 48 | 21 10 | 1 1 | 2 36 | 17 37 | 0 55 | 0 28 | 22 40 | 17 28 | 5 13 |
| S 24 | 12 54 | 6 27 | 1 24 | 5 42 | 2 10 | 19 23 | 0 5 | 8 12 | 0 44 | 23 7 | 0 10 | 21 55 | 1 16 | 0 41 | 0 48 | 21 10 | 1 1 | 2 37 | 17 37 | 0 55 | 0 27 | 22 37 | 17 29 | 5 13 |
| M25 | 13 14 | 0s13 | 0 8 | 6 27 | 2 5 | 19 42 | 0 8 | 8 29 | 0 43 | 23 7 | 0 10 | 21 56 | 1 16 | 0 42 | 0 48 | 21 10 | 1 1 | 2 37 | 17 37 | 0 56 | 0 26 | 22 35 | 17 29 | 5 13 |
| T 26 | 13 34 | 6 49 | 1s 7 | 7 12 | 2 0 | 20 1 | 0 10 | 8 47 | 0 43 | 23 7 | 0 10 | 21 56 | 1 15 | 0 43 | 0 48 | 21 10 | 1 1 | 2 38 | 17 37 | 0 56 | 0 25 | 22 33 | 17 30 | 5 13 |
| W27 | 13 53 | 13 0 | 2 17 | 7 58 | 1 55 | 20 19 | 0 13 | 9 4 | 0 42 | 23 7 | 0 10 | 21 56 | 1 15 | 0 43 | 0 48 | 21 10 | 1 1 | 2 38 | 17 37 | 0 55 | 0 23 | 22 31 | 17 30 | 5 13 |
| T 28 | 14 12 | 18 29 | 3 19 | 8 44 | 1 49 | 20 37 | 0 16 | 9 21 | 0 42 | 23 7 | 0 10 | 21 57 | 1 15 | 0 44 | 0 48 | 21 10 | 1 1 | 2 39 | 17 37 | 0 53 | 0 22 | 22 29 | 17 31 | 5 13 |
| F 29 | 14 30 | 22 58 | 4 8 | 9 30 | 1 43 | 20 54 | 0 18 | 9 39 | 0 41 | 23 7 | 0 10 | 21 57 | 1 15 | 0 45 | 0 48 | 21 10 | 1 1 | 2 39 | 17 37 | 0 51 | 0 21 | 22 26 | 17 31 | 5 13 |
| S 30 | 14n49 | 26s12 | 4s43 | 10n17 | 1s36 | 21n11 | 0n21 | 9n56 | 0s41 | 23n 7 | 0s 9 | 21n58 | 1s15 | 0n46 | 0n48 | 21s10 | 1n 1 | 2n40 | 17n37 | 0n48 | 0n20 | 22s24 | 17n32 | 5s12 |

Julian Day Number = 2807381.5, Delta T = 52m07s
Ecliptic obliquity = 23°18'57, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°22'41, Lahiri = 37°29'41


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# ASTRODIENST EPHEMERIS for the year 2974
# geocentric

## MAY 2974 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 37 36 | 11♉13'40 | 20♐43 | 3♉ 2 | 5♊12 | 28♈22 | 3♋41 | 24♊41 | 29°R54 | 17°R27 | 7°R49 | 1°R55 | 0♈46 | 7♒16 | 17♊22 | S 1 |
| M 2 | 14 41 32 | 12°12'24 | 3♑ 6 | 5° 2 | 6°26 | 29° 8 | 3°52 | 24°48 | 29♍53 | 17♑27 | 7♏47 | 1♈49 | 0°43 | 7°22 | 17°26 | M 2 |
| T 3 | 14 45 29 | 13°11'08 | 15°15 | 7° 2 | 7°39 | 29°54 | 4° 3 | 24°54 | 29°51 | 17°26 | 7°45 | 1°44 | 0°40 | 7°29 | 17°30 | T 3 |
| W 4 | 14 49 25 | 14° 9'49 | 27°14 | 9° 5 | 8°52 | 0♉40 | 4°14 | 25° 1 | 29°49 | 17°26 | 7°44 | 1°40 | 0°37 | 7°36 | 17°34 | W 4 |
| T 5 | 14 53 22 | 15° 8'29 | 9♒ 7 | 11° 8 | 10° 5 | 1°27 | 4°25 | 25° 7 | 29°48 | 17°25 | 7°42 | 1°39 | 0°33 | 7°42 | 17°38 | T 5 |
| F 6 | 14 57 18 | 16° 7'07 | 20°58 | 13°13 | 11°19 | 2°13 | 4°37 | 25°14 | 29°46 | 17°25 | 7°40 | 1°D39 | 0°30 | 7°49 | 17°42 | F 6 |
| S 7 | 15 1 15 | 17° 5'44 | 2♓53 | 15°19 | 12°32 | 2°59 | 4°48 | 25°20 | 29°45 | 17°24 | 7°39 | 1°40 | 0°27 | 7°56 | 17°46 | S 7 |
| S 8 | 15 5 12 | 18° 4'19 | 14°56 | 17°25 | 13°45 | 3°45 | 4°59 | 25°27 | 29°43 | 17°24 | 7°37 | 1°41 | 0°24 | 8° 2 | 17°50 | S 8 |
| M 9 | 15 9 8 | 19° 2'52 | 27°13 | 19°33 | 14°58 | 4°31 | 5°11 | 25°34 | 29°42 | 17°23 | 7°35 | 1°R42 | 0°21 | 8° 9 | 17°54 | M 9 |
| T 10 | 15 13 5 | 20° 1'23 | 9♈48 | 21°41 | 16°11 | 5°17 | 5°22 | 25°41 | 29°40 | 17°22 | 7°34 | 1°42 | 0°18 | 8°16 | 17°58 | T 10 |
| W11 | 15 17 1 | 20°59'53 | 22°43 | 23°50 | 17°24 | 6° 3 | 5°34 | 25°47 | 29°39 | 17°22 | 7°32 | 1°40 | 0°14 | 8°22 | 18° 3 | W11 |
| T 12 | 15 20 58 | 21°58'22 | 6♉ 0 | 25°59 | 18°37 | 6°49 | 5°46 | 25°54 | 29°38 | 17°21 | 7°30 | 1°35 | 0°11 | 8°29 | 18° 7 | T 12 |
| F 13 | 15 24 54 | 22°56'48 | 19°39 | 28° 7 | 19°50 | 7°35 | 5°57 | 26° 1 | 29°36 | 17°20 | 7°29 | 1°29 | 0° 8 | 8°36 | 18°11 | F 13 |
| S 14 | 15 28 51 | 23°55'13 | 3♊38 | 0♊16 | 21° 2 | 8°21 | 6° 9 | 26° 8 | 29°35 | 17°20 | 7°27 | 1°21 | 0° 5 | 8°43 | 18°16 | S 14 |
| S 15 | 15 32 47 | 24°53'37 | 17°51 | 2°24 | 22°15 | 9° 6 | 6°21 | 26°15 | 29°34 | 17°19 | 7°26 | 1°12 | 0° 2 | 8°49 | 18°20 | S 15 |
| M16 | 15 36 44 | 25°51'58 | 2♋14 | 4°30 | 23°28 | 9°52 | 6°33 | 26°22 | 29°33 | 17°18 | 7°24 | 1° 4 | 29♓59 | 8°56 | 18°24 | M16 |
| T 17 | 15 40 41 | 26°50'17 | 16°40 | 6°36 | 24°41 | 10°38 | 6°45 | 26°29 | 29°32 | 17°17 | 7°22 | 0°57 | 29°55 | 9° 3 | 18°29 | T 17 |
| W18 | 15 44 37 | 27°48'35 | 1♌ 5 | 8°39 | 25°53 | 11°23 | 6°57 | 26°36 | 29°31 | 17°16 | 7°21 | 0°52 | 29°52 | 9° 9 | 18°33 | W18 |
| T 19 | 15 48 34 | 28°46'50 | 15°23 | 10°41 | 27° 6 | 12° 9 | 7°10 | 26°44 | 29°30 | 17°15 | 7°19 | 0°49 | 29°49 | 9°16 | 18°38 | T 19 |
| F 20 | 15 52 30 | 29°45'04 | 29°33 | 12°41 | 28°18 | 12°54 | 7°22 | 26°51 | 29°29 | 17°14 | 7°18 | 0°D48 | 29°46 | 9°23 | 18°42 | F 20 |
| S 21 | 15 56 27 | 0♊43'15 | 13♍32 | 14°39 | 29°31 | 13°40 | 7°34 | 26°58 | 29°28 | 17°13 | 7°16 | 0°49 | 29°43 | 9°29 | 18°47 | S 21 |
| S 22 | 16 0 23 | 1°41'24 | 27°21 | 16°33 | 0♋43 | 14°25 | 7°47 | 27° 5 | 29°27 | 17°12 | 7°15 | 0°R50 | 29°39 | 9°36 | 18°51 | S 22 |
| M23 | 16 4 20 | 2°39'32 | 11♎ 0 | 18°25 | 1°56 | 15°11 | 7°59 | 27°12 | 29°27 | 17°11 | 7°13 | 0°49 | 29°36 | 9°43 | 18°55 | M23 |
| T 24 | 16 8 16 | 3°37'37 | 24°28 | 20°14 | 3° 8 | 15°56 | 8°12 | 27°20 | 29°26 | 17°10 | 7°12 | 0°47 | 29°33 | 9°49 | 19° 0 | T 24 |
| W25 | 16 12 13 | 4°35'41 | 7♏45 | 22° 0 | 4°20 | 16°41 | 8°24 | 27°27 | 29°25 | 17° 9 | 7°10 | 0°42 | 29°30 | 9°56 | 19° 5 | W25 |
| T 26 | 16 16 10 | 5°33'43 | 20°51 | 23°43 | 5°33 | 17°27 | 8°37 | 27°35 | 29°25 | 17° 8 | 7° 9 | 0°34 | 29°27 | 10° 3 | 19° 9 | T 26 |
| F 27 | 16 20 6 | 6°31'44 | 3♐46 | 25°22 | 6°45 | 18°12 | 8°49 | 27°42 | 29°24 | 17° 7 | 7° 7 | 0°25 | 29°24 | 10°10 | 19°14 | F 27 |
| S 28 | 16 24 3 | 7°29'43 | 16°27 | 26°58 | 7°57 | 18°57 | 9° 2 | 27°49 | 29°24 | 17° 6 | 7° 6 | 0°13 | 29°20 | 10°16 | 19°18 | S 28 |
| S 29 | 16 27 59 | 8°27'40 | 28°56 | 28°30 | 9° 9 | 19°42 | 9°15 | 27°57 | 29°23 | 17° 5 | 7° 5 | 0° 1 | 29°17 | 10°23 | 19°23 | S 29 |
| M30 | 16 31 56 | 9°25'36 | 11♑13 | 29°59 | 10°21 | 20°27 | 9°28 | 28° 4 | 29°23 | 17° 4 | 7° 3 | 29♓50 | 29°14 | 10°30 | 19°27 | M30 |
| T 31 | 16 35 52 | 10♊23'31 | 23♑18 | 1♋24 | 11♋33 | 21♉12 | 9♋41 | 28♊12 | 29♍22 | 17♑ 2 | 7♏ 2 | 29♓40 | 29♓11 | 10♒36 | 19♊32 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n 7 | 28s 3 | 5s 4 | 11n 4 | 1s29 | 21n27 | 0n24 | 10n13 | 0s40 | 23n 7 | 0s 9 | 21n58 | 1s15 | 0n46 | 0n48 | 21s10 | 1n 1 | 2n40 | 17n37 | 0n46 | 0n18 | 22s22 | 17n32 | 5s12 |
| M 2 | 15 25 | 28 26 | 5 10 | 11 52 | 1 21 | 21 42 | 0 27 | 10 29 | 0 40 | 23 6 | 0 9 | 21 59 | 1 14 | 0 47 | 0 48 | 21 10 | 1 1 | 2 41 | 17 37 | 0 43 | 0 17 | 22 20 | 17 33 | 5 12 |
| T 3 | 15 43 | 27 26 | 5 1 | 12 39 | 1 13 | 21 57 | 0 29 | 10 46 | 0 39 | 23 6 | 0 9 | 21 59 | 1 14 | 0 48 | 0 48 | 21 10 | 1 1 | 2 41 | 17 37 | 0 41 | 0 16 | 22 17 | 17 33 | 5 12 |
| W 4 | 16 0 | 25 10 | 4 40 | 13 26 | 1 4 | 22 12 | 0 32 | 11 3 | 0 39 | 23 6 | 0 9 | 21 59 | 1 14 | 0 48 | 0 48 | 21 10 | 1 1 | 2 42 | 17 37 | 0 40 | 0 14 | 22 15 | 17 34 | 5 12 |
| T 5 | 16 18 | 21 50 | 4 6 | 14 13 | 0 55 | 22 25 | 0 35 | 11 19 | 0 38 | 23 6 | 0 9 | 22 0 | 1 14 | 0 49 | 0 48 | 21 10 | 1 1 | 2 42 | 17 37 | 0 39 | 0 13 | 22 13 | 17 34 | 5 12 |
| F 6 | 16 35 | 17 38 | 3 22 | 15 0 | 0 46 | 22 38 | 0 37 | 11 36 | 0 38 | 23 5 | 0 9 | 22 0 | 1 14 | 0 49 | 0 48 | 21 10 | 1 1 | 2 43 | 17 37 | 0 39 | 0 12 | 22 11 | 17 35 | 5 12 |
| S 7 | 16 51 | 12 43 | 2 29 | 15 46 | 0 36 | 22 51 | 0 40 | 11 52 | 0 37 | 23 5 | 0 9 | 22 1 | 1 14 | 0 50 | 0 48 | 21 10 | 1 1 | 2 43 | 17 37 | 0 39 | 0 11 | 22 8 | 17 35 | 5 12 |
| S 8 | 17 8 | 7 17 | 1 29 | 16 32 | 0 26 | 23 2 | 0 43 | 12 8 | 0 36 | 23 5 | 0 8 | 22 1 | 1 13 | 0 50 | 0 48 | 21 11 | 1 1 | 2 43 | 17 36 | 0 40 | 0 9 | 22 6 | 17 36 | 5 11 |
| M 9 | 17 24 | 1 28 | 0 24 | 17 17 | 0 16 | 23 14 | 0 46 | 12 24 | 0 36 | 23 5 | 0 8 | 22 1 | 1 13 | 0 51 | 0 48 | 21 11 | 1 1 | 2 44 | 17 36 | 0 40 | 0 8 | 22 4 | 17 36 | 5 11 |
| T 10 | 17 39 | 4n32 | 0n44 | 18 1 | 0 5 | 23 24 | 0 48 | 12 40 | 0 35 | 23 4 | 0 8 | 22 2 | 1 13 | 0 52 | 0 48 | 21 11 | 1 1 | 2 44 | 17 36 | 0 40 | 0 7 | 22 2 | 17 36 | 5 11 |
| W11 | 17 55 | 10 30 | 1 51 | 18 43 | 0n 5 | 23 34 | 0 51 | 12 55 | 0 35 | 23 4 | 0 8 | 22 2 | 1 13 | 0 52 | 0 48 | 21 11 | 1 1 | 2 45 | 17 36 | 0 39 | 0 6 | 21 59 | 17 37 | 5 11 |
| T 12 | 18 10 | 16 11 | 2 54 | 19 25 | 0 16 | 23 43 | 0 53 | 13 11 | 0 34 | 23 3 | 0 8 | 22 2 | 1 13 | 0 53 | 0 48 | 21 11 | 1 1 | 2 45 | 17 36 | 0 38 | 0 4 | 21 57 | 17 37 | 5 11 |
| F 13 | 18 25 | 21 13 | 3 48 | 20 4 | 0 27 | 23 51 | 0 56 | 13 26 | 0 34 | 23 3 | 0 8 | 22 3 | 1 13 | 0 53 | 0 48 | 21 11 | 1 2 | 2 45 | 17 36 | 0 35 | 0 3 | 21 55 | 17 38 | 5 11 |
| S 14 | 18 39 | 25 12 | 4 31 | 20 42 | 0 37 | 23 59 | 0 58 | 13 42 | 0 33 | 23 3 | 0 8 | 22 3 | 1 13 | 0 53 | 0 48 | 21 11 | 1 2 | 2 46 | 17 36 | 0 32 | 0 2 | 21 52 | 17 38 | 5 11 |
| S 15 | 18 54 | 27 42 | 4 57 | 21 19 | 0 48 | 24 6 | 1 1 | 13 57 | 0 32 | 23 2 | 0 8 | 22 3 | 1 12 | 0 54 | 0 47 | 21 11 | 1 2 | 2 46 | 17 35 | 0 29 | 0 1 | 21 50 | 17 39 | 5 11 |
| M16 | 19 7 | 28 23 | 5 5 | 21 53 | 0 58 | 24 13 | 1 4 | 14 12 | 0 32 | 23 2 | 0 8 | 22 4 | 1 12 | 0 54 | 0 47 | 21 11 | 1 2 | 2 46 | 17 35 | 0 25 | 0s 1 | 21 48 | 17 39 | 5 11 |
| T 17 | 19 21 | 27 9 | 4 54 | 22 25 | 1 8 | 24 18 | 1 6 | 14 26 | 0 31 | 23 1 | 0 7 | 22 4 | 1 12 | 0 55 | 0 47 | 21 11 | 1 2 | 2 46 | 17 35 | 0 23 | 0 2 | 21 45 | 17 40 | 5 11 |
| W18 | 19 34 | 24 7 | 4 24 | 22 54 | 1 17 | 24 23 | 1 8 | 14 41 | 0 31 | 23 1 | 0 7 | 22 4 | 1 12 | 0 55 | 0 47 | 21 11 | 1 2 | 2 47 | 17 35 | 0 21 | 0 3 | 21 43 | 17 40 | 5 11 |
| T 19 | 19 47 | 19 37 | 3 38 | 23 21 | 1 26 | 24 28 | 1 11 | 14 56 | 0 30 | 23 0 | 0 7 | 22 5 | 1 12 | 0 55 | 0 47 | 21 11 | 1 2 | 2 47 | 17 35 | 0 19 | 0 4 | 21 41 | 17 40 | 5 11 |
| F 20 | 20 0 | 14 3 | 2 39 | 23 46 | 1 35 | 24 31 | 1 13 | 15 10 | 0 29 | 23 0 | 0 7 | 22 5 | 1 12 | 0 56 | 0 47 | 21 11 | 1 2 | 2 47 | 17 34 | 0 19 | 0 6 | 21 38 | 17 41 | 5 11 |
| S 21 | 20 12 | 7 50 | 1 31 | 24 8 | 1 43 | 24 34 | 1 15 | 15 24 | 0 29 | 22 59 | 0 7 | 22 5 | 1 12 | 0 56 | 0 47 | 21 12 | 1 2 | 2 47 | 17 34 | 0 19 | 0 7 | 21 36 | 17 41 | 5 11 |
| S 22 | 20 24 | 1 20 | 0 19 | 24 28 | 1 50 | 24 37 | 1 18 | 15 38 | 0 28 | 22 58 | 0 7 | 22 6 | 1 11 | 0 56 | 0 47 | 21 12 | 1 2 | 2 48 | 17 34 | 0 20 | 0 8 | 21 34 | 17 42 | 5 10 |
| M23 | 20 35 | 5s10 | 0s54 | 24 45 | 1 56 | 24 38 | 1 20 | 15 52 | 0 27 | 22 58 | 0 7 | 22 6 | 1 11 | 0 56 | 0 47 | 21 12 | 1 2 | 2 48 | 17 34 | 0 19 | 0 9 | 21 31 | 17 42 | 5 10 |
| T 24 | 20 46 | 11 20 | 2 3 | 24 59 | 2 2 | 24 39 | 1 22 | 16 6 | 0 27 | 22 57 | 0 7 | 22 6 | 1 11 | 0 57 | 0 47 | 21 12 | 1 2 | 2 48 | 17 33 | 0 19 | 0 11 | 21 29 | 17 42 | 5 10 |
| W25 | 20 57 | 16 55 | 3 3 | 25 12 | 2 7 | 24 39 | 1 24 | 16 19 | 0 26 | 22 56 | 0 7 | 22 6 | 1 11 | 0 57 | 0 47 | 21 12 | 1 2 | 2 48 | 17 33 | 0 17 | 0 12 | 21 27 | 17 43 | 5 10 |
| T 26 | 21 7 | 21 38 | 3 53 | 25 21 | 2 12 | 24 38 | 1 26 | 16 32 | 0 26 | 22 56 | 0 6 | 22 7 | 1 11 | 0 57 | 0 47 | 21 12 | 1 2 | 2 48 | 17 33 | 0 14 | 0 13 | 21 24 | 17 43 | 5 10 |
| F 27 | 21 17 | 25 13 | 4 30 | 25 29 | 2 15 | 24 37 | 1 29 | 16 46 | 0 25 | 22 55 | 0 6 | 22 7 | 1 11 | 0 57 | 0 47 | 21 12 | 1 2 | 2 49 | 17 33 | 0 10 | 0 14 | 21 22 | 17 43 | 5 10 |
| S 28 | 21 27 | 27 30 | 4 53 | 25 34 | 2 18 | 24 35 | 1 31 | 16 59 | 0 24 | 22 54 | 0 6 | 22 7 | 1 11 | 0 57 | 0 47 | 21 12 | 1 2 | 2 49 | 17 32 | 0 5 | 0 16 | 21 19 | 17 44 | 5 10 |
| S 29 | 21 36 | 28 21 | 5 2 | 25 38 | 2 19 | 24 32 | 1 32 | 17 11 | 0 24 | 22 54 | 0 6 | 22 7 | 1 11 | 0 58 | 0 47 | 21 13 | 1 2 | 2 49 | 17 32 | 0 0 | 0 17 | 21 17 | 17 44 | 5 10 |
| M30 | 21 45 | 27 46 | 4 56 | 25 39 | 2 20 | 24 29 | 1 34 | 17 24 | 0 23 | 22 53 | 0 6 | 22 8 | 1 11 | 0 58 | 0 47 | 21 13 | 1 2 | 2 49 | 17 32 | 0s 4 | 0 18 | 21 15 | 17 44 | 5 10 |
| T 31 | 21n53 | 25s52 | 4s37 | 25n39 | 2n20 | 24n25 | 1n36 | 17n36 | 0s22 | 22n52 | 0s 6 | 22n 8 | 1s10 | 0n58 | 0n47 | 21s13 | 1n 2 | 2n49 | 17n31 | 0s 8 | 0s19 | 21s12 | 17n45 | 5s10 |

Julian Day Number = 2807411.5, Delta T = 52m07s
Ecliptic obliquity = 23°18'56, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°22'45, Lahiri = 37°29'45


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# ASTRODIENST EPHEMERIS for the year 2974
# geocentric

## JUNE 2974 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 39 49 | 11♊21'25 | 5♒14 | 2♋45 | 12♋45 | 21♉57 | 9♋53 | 28♊19 | 29°R22 | 17°R 1 | 7°R 1 | 29°R32 | 29♓ 8 | 10♒43 | 19♊37 | W 1 |
| T 2 | 16 43 46 | 12°19'17 | 17° 6 | 4° 3 | 13°57 | 22°42 | 10° 6 | 28°27 | 29♍22 | 17♎ 0 | 6♏59 | 29♓27 | 29° 5 | 10°50 | 19°41 | T 2 |
| F 3 | 16 47 42 | 13°17'08 | 28°55 | 5°16 | 15° 8 | 23°27 | 10°19 | 28°34 | 29°22 | 16°59 | 6°58 | 29°24 | 29° 1 | 10°56 | 19°46 | F 3 |
| S 4 | 16 51 39 | 14°14'58 | 10♓49 | 6°26 | 16°20 | 24°12 | 10°32 | 28°42 | 29°22 | 16°57 | 6°57 | 29°D23 | 28°58 | 11° 3 | 19°51 | S 4 |
| S 5 | 16 55 35 | 15°12'46 | 22°51 | 7°32 | 17°32 | 24°56 | 10°45 | 28°50 | 29°22 | 16°56 | 6°55 | 29°R23 | 28°55 | 11°10 | 19°55 | S 5 |
| M 6 | 16 59 32 | 16°10'34 | 5♈ 8 | 8°34 | 18°43 | 25°41 | 10°59 | 28°57 | 29°D22 | 16°55 | 6°54 | 29°23 | 28°52 | 11°16 | 20° 0 | M 6 |
| T 7 | 17 3 28 | 17° 8'21 | 17°43 | 9°32 | 19°55 | 26°26 | 11°12 | 29° 5 | 29°22 | 16°53 | 6°53 | 29°22 | 28°49 | 11°23 | 20° 5 | T 7 |
| W 8 | 17 7 25 | 18° 6'06 | 0♉43 | 10°25 | 21° 6 | 27°10 | 11°25 | 29°13 | 29°22 | 16°52 | 6°52 | 29°19 | 28°45 | 11°30 | 20° 9 | W 8 |
| T 9 | 17 11 21 | 19° 3'51 | 14° 8 | 11°15 | 22°18 | 27°55 | 11°38 | 29°20 | 29°22 | 16°51 | 6°51 | 29°13 | 28°42 | 11°36 | 20°14 | T 9 |
| F 10 | 17 15 18 | 20° 1'34 | 28° 0 | 12° 0 | 23°29 | 28°39 | 11°51 | 29°28 | 29°22 | 16°49 | 6°50 | 29° 5 | 28°39 | 11°43 | 20°19 | F 10 |
| S 11 | 17 19 15 | 20°59'17 | 12♊17 | 12°41 | 24°41 | 29°24 | 12° 5 | 29°36 | 29°22 | 16°48 | 6°48 | 28°55 | 28°36 | 11°50 | 20°23 | S 11 |
| S 12 | 17 23 11 | 21°56'58 | 26°53 | 13°18 | 25°52 | 0♊ 8 | 12°18 | 29°43 | 29°23 | 16°46 | 6°47 | 28°43 | 28°33 | 11°57 | 20°28 | S 12 |
| M13 | 17 27 8 | 22°54'39 | 11♋41 | 13°50 | 27° 3 | 0°52 | 12°31 | 29°51 | 29°23 | 16°45 | 6°46 | 28°32 | 28°30 | 12° 3 | 20°33 | M13 |
| T 14 | 17 31 4 | 23°52'18 | 26°32 | 14°18 | 28°14 | 1°37 | 12°45 | 29°59 | 29°23 | 16°44 | 6°45 | 28°23 | 28°26 | 12°10 | 20°37 | T 14 |
| W15 | 17 35 1 | 24°49'55 | 11♌19 | 14°41 | 29°25 | 2°21 | 12°58 | 0♋ 7 | 29°24 | 16°42 | 6°44 | 28°16 | 28°23 | 12°17 | 20°42 | W15 |
| T 16 | 17 38 57 | 25°47'32 | 25°54 | 14°59 | 0♌36 | 3° 5 | 13°12 | 0°14 | 29°24 | 16°41 | 6°43 | 28°11 | 28°20 | 12°23 | 20°47 | T 16 |
| F 17 | 17 42 54 | 26°45'06 | 10♍13 | 15°13 | 1°47 | 3°49 | 13°25 | 0°22 | 29°25 | 16°39 | 6°42 | 28° 9 | 28°17 | 12°30 | 20°51 | F 17 |
| S 18 | 17 46 50 | 27°42'40 | 24°14 | 15°22 | 2°58 | 4°33 | 13°39 | 0°30 | 29°26 | 16°38 | 6°42 | 28° 9 | 28°14 | 12°37 | 20°56 | S 18 |
| S 19 | 17 50 47 | 28°40'12 | 7♎57 | 15°R26 | 4° 9 | 5°17 | 13°52 | 0°38 | 29°26 | 16°36 | 6°41 | 28° 9 | 28°11 | 12°43 | 21° 1 | S 19 |
| M20 | 17 54 44 | 29°37'43 | 21°24 | 15°26 | 5°19 | 6° 1 | 14° 6 | 0°45 | 29°27 | 16°35 | 6°40 | 28° 8 | 28° 7 | 12°50 | 21° 5 | M20 |
| T 21 | 17 58 40 | 0♋35'12 | 4♏36 | 15°21 | 6°30 | 6°45 | 14°19 | 0°53 | 29°28 | 16°33 | 6°39 | 28° 5 | 28° 4 | 12°57 | 21°10 | T 21 |
| W22 | 18 2 37 | 1°32'41 | 17°34 | 15°12 | 7°41 | 7°29 | 14°33 | 1° 1 | 29°29 | 16°31 | 6°38 | 27°59 | 28° 1 | 13° 3 | 21°14 | W22 |
| T 23 | 18 6 33 | 2°30'08 | 0♐21 | 14°59 | 8°51 | 8°12 | 14°46 | 1° 9 | 29°29 | 16°30 | 6°37 | 27°51 | 27°58 | 13°10 | 21°19 | T 23 |
| F 24 | 18 10 30 | 3°27'35 | 12°56 | 14°42 | 10° 1 | 8°56 | 15° 0 | 1°16 | 29°30 | 16°28 | 6°37 | 27°40 | 27°55 | 13°17 | 21°24 | F 24 |
| S 25 | 18 14 26 | 4°25'01 | 25°22 | 14°21 | 11°12 | 9°40 | 15°14 | 1°24 | 29°31 | 16°27 | 6°36 | 27°27 | 27°51 | 13°23 | 21°28 | S 25 |
| S 26 | 18 18 23 | 5°22'25 | 7♑38 | 13°57 | 12°22 | 10°23 | 15°27 | 1°32 | 29°32 | 16°25 | 6°35 | 27°14 | 27°48 | 13°30 | 21°33 | S 26 |
| M27 | 18 22 20 | 6°19'49 | 19°45 | 13°30 | 13°32 | 11° 7 | 15°41 | 1°40 | 29°34 | 16°24 | 6°35 | 27° 1 | 27°45 | 13°37 | 21°37 | M27 |
| T 28 | 18 26 16 | 7°17'13 | 1♒43 | 13° 1 | 14°42 | 11°50 | 15°55 | 1°47 | 29°35 | 16°22 | 6°34 | 26°49 | 27°42 | 13°44 | 21°42 | T 28 |
| W29 | 18 30 13 | 8°14'35 | 13°36 | 12°30 | 15°52 | 12°34 | 16° 8 | 1°55 | 29°36 | 16°20 | 6°33 | 26°40 | 27°39 | 13°50 | 21°47 | W29 |
| T 30 | 18 34 9 | 9♋11'57 | 25♒25 | 11♋57 | 17♌ 2 | 13♊17 | 16♋22 | 2♋ 3 | 29♍37 | 16♎19 | 6♏33 | 26♓34 | 27♓36 | 13♒57 | 21♊51 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n 2 | 22s50 | 4s 6 | 25n36 | 2n19 | 24n20 | 1n38 | 17n49 | 0s22 | 22n51 | 0s 6 | 22n 8 | 1s10 | 0n58 | 0n47 | 21s13 | 1n 2 | 2n49 | 17n31 | 0s11 | 0s21 | 21s10 | 17n45 | 5s10 |
| T 2 | 22 9 | 18 53 | 3 24 | 25 33 | 2 17 | 24 15 | 1 40 | 18 1 | 0 21 | 22 50 | 0 6 | 22 8 | 1 10 | 0 58 | 0 47 | 21 13 | 1 2 | 2 49 | 17 31 | 0 13 | 0 22 | 21 7 | 17 45 | 5 10 |
| F 3 | 22 17 | 14 12 | 2 34 | 25 27 | 2 15 | 24 8 | 1 41 | 18 12 | 0 20 | 22 49 | 0 6 | 22 8 | 1 10 | 0 58 | 0 47 | 21 13 | 1 2 | 2 49 | 17 30 | 0 14 | 0 23 | 21 5 | 17 46 | 5 10 |
| S 4 | 22 23 | 8 58 | 1 37 | 25 20 | 2 11 | 24 2 | 1 43 | 18 24 | 0 20 | 22 48 | 0 6 | 22 9 | 1 10 | 0 58 | 0 47 | 21 13 | 1 2 | 2 49 | 17 30 | 0 15 | 0 24 | 21 3 | 17 46 | 5 10 |
| S 5 | 22 30 | 3 21 | 0 35 | 25 12 | 2 6 | 23 54 | 1 45 | 18 36 | 0 19 | 22 48 | 0 5 | 22 9 | 1 10 | 0 58 | 0 47 | 21 14 | 1 2 | 2 49 | 17 29 | 0 15 | 0 26 | 21 0 | 17 46 | 5 11 |
| M 6 | 22 36 | 2n30 | 0n30 | 25 3 | 2 1 | 23 46 | 1 46 | 18 47 | 0 18 | 22 47 | 0 5 | 22 9 | 1 10 | 0 58 | 0 47 | 21 14 | 1 2 | 2 49 | 17 29 | 0 15 | 0 27 | 20 58 | 17 47 | 5 11 |
| T 7 | 22 42 | 8 24 | 1 36 | 24 53 | 1 54 | 23 37 | 1 47 | 18 58 | 0 18 | 22 46 | 0 5 | 22 9 | 1 10 | 0 58 | 0 46 | 21 14 | 1 2 | 2 49 | 17 29 | 0 15 | 0 28 | 20 55 | 17 47 | 5 11 |
| W 8 | 22 47 | 14 7 | 2 38 | 24 41 | 1 47 | 23 28 | 1 49 | 19 9 | 0 17 | 22 45 | 0 5 | 22 9 | 1 10 | 0 58 | 0 46 | 21 14 | 1 2 | 2 49 | 17 28 | 0 16 | 0 30 | 20 53 | 17 47 | 5 11 |
| T 9 | 22 52 | 19 23 | 3 33 | 24 29 | 1 39 | 23 17 | 1 50 | 19 19 | 0 16 | 22 44 | 0 5 | 22 9 | 1 10 | 0 58 | 0 46 | 21 14 | 1 2 | 2 49 | 17 28 | 0 19 | 0 31 | 20 50 | 17 48 | 5 11 |
| F 10 | 22 57 | 23 48 | 4 18 | 24 16 | 1 30 | 23 7 | 1 51 | 19 30 | 0 16 | 22 42 | 0 5 | 22 9 | 1 9 | 0 58 | 0 46 | 21 14 | 1 2 | 2 49 | 17 28 | 0 22 | 0 32 | 20 48 | 17 48 | 5 11 |
| S 11 | 23 1 | 26 54 | 4 48 | 24 2 | 1 20 | 22 55 | 1 52 | 19 40 | 0 15 | 22 41 | 0 5 | 22 10 | 1 9 | 0 57 | 0 46 | 21 14 | 1 2 | 2 49 | 17 27 | 0 26 | 0 33 | 20 45 | 17 48 | 5 11 |
| S 12 | 23 4 | 28 17 | 5 0 | 23 48 | 1 9 | 22 43 | 1 53 | 19 50 | 0 14 | 22 40 | 0 5 | 22 10 | 1 9 | 0 57 | 0 46 | 21 15 | 1 2 | 2 49 | 17 27 | 0 30 | 0 35 | 20 43 | 17 48 | 5 11 |
| M13 | 23 8 | 27 40 | 4 53 | 23 33 | 0 57 | 22 31 | 1 54 | 20 0 | 0 14 | 22 39 | 0 5 | 22 10 | 1 9 | 0 57 | 0 46 | 21 15 | 1 2 | 2 49 | 17 26 | 0 35 | 0 36 | 20 40 | 17 49 | 5 11 |
| T 14 | 23 10 | 25 5 | 4 25 | 23 17 | 0 45 | 22 17 | 1 55 | 20 10 | 0 13 | 22 38 | 0 5 | 22 10 | 1 9 | 0 57 | 0 46 | 21 15 | 1 2 | 2 49 | 17 26 | 0 38 | 0 37 | 20 38 | 17 49 | 5 11 |
| W15 | 23 13 | 20 49 | 3 40 | 23 2 | 0 31 | 22 3 | 1 56 | 20 19 | 0 12 | 22 37 | 0 4 | 22 10 | 1 9 | 0 57 | 0 46 | 21 15 | 1 2 | 2 49 | 17 25 | 0 41 | 0 38 | 20 35 | 17 49 | 5 11 |
| T 16 | 23 15 | 15 21 | 2 41 | 22 46 | 0 17 | 21 49 | 1 57 | 20 28 | 0 12 | 22 36 | 0 4 | 22 10 | 1 9 | 0 56 | 0 46 | 21 15 | 1 2 | 2 49 | 17 25 | 0 43 | 0 40 | 20 33 | 17 49 | 5 11 |
| F 17 | 23 17 | 9 8 | 1 33 | 22 30 | 0 2 | 21 34 | 1 57 | 20 37 | 0 11 | 22 34 | 0 4 | 22 10 | 1 9 | 0 56 | 0 46 | 21 16 | 1 2 | 2 49 | 17 24 | 0 44 | 0 41 | 20 31 | 17 49 | 5 11 |
| S 18 | 23 18 | 2 36 | 0 21 | 22 13 | 0s13 | 21 18 | 1 58 | 20 46 | 0 10 | 22 33 | 0 4 | 22 10 | 1 9 | 0 56 | 0 46 | 21 16 | 1 2 | 2 48 | 17 24 | 0 44 | 0 42 | 20 28 | 17 50 | 5 11 |
| S 19 | 23 19 | 3s56 | 0s52 | 21 57 | 0 29 | 21 2 | 1 58 | 20 55 | 0 10 | 22 32 | 0 4 | 22 10 | 1 9 | 0 56 | 0 46 | 21 16 | 1 2 | 2 48 | 17 24 | 0 44 | 0 43 | 20 26 | 17 50 | 5 12 |
| M20 | 23 19 | 10 9 | 2 0 | 21 41 | 0 45 | 20 46 | 1 59 | 21 3 | 0 9 | 22 31 | 0 4 | 22 10 | 1 9 | 0 55 | 0 46 | 21 16 | 1 2 | 2 48 | 17 23 | 0 44 | 0 45 | 20 23 | 17 50 | 5 12 |
| T 21 | 23 19 | 15 48 | 3 0 | 21 24 | 1 2 | 20 28 | 1 59 | 21 11 | 0 8 | 22 29 | 0 4 | 22 10 | 1 9 | 0 55 | 0 46 | 21 16 | 1 2 | 2 48 | 17 23 | 0 46 | 0 46 | 20 20 | 17 50 | 5 12 |
| W22 | 23 18 | 20 39 | 3 49 | 21 8 | 1 19 | 20 11 | 1 59 | 21 19 | 0 8 | 22 28 | 0 4 | 22 10 | 1 8 | 0 55 | 0 46 | 21 16 | 1 2 | 2 48 | 17 22 | 0 48 | 0 47 | 20 18 | 17 50 | 5 12 |
| T 23 | 23 17 | 24 28 | 4 27 | 20 53 | 1 37 | 19 52 | 1 59 | 21 27 | 0 7 | 22 26 | 0 4 | 22 10 | 1 8 | 0 54 | 0 46 | 21 17 | 1 2 | 2 47 | 17 22 | 0 51 | 0 48 | 20 15 | 17 51 | 5 12 |
| F 24 | 23 16 | 27 2 | 4 50 | 20 37 | 1 54 | 19 34 | 1 59 | 21 34 | 0 6 | 22 25 | 0 4 | 22 10 | 1 8 | 0 54 | 0 46 | 21 17 | 1 2 | 2 47 | 17 21 | 0 56 | 0 50 | 20 13 | 17 51 | 5 12 |
| S 25 | 23 15 | 28 14 | 5 0 | 20 23 | 2 11 | 19 14 | 1 59 | 21 42 | 0 6 | 22 24 | 0 3 | 22 10 | 1 8 | 0 53 | 0 46 | 21 17 | 1 2 | 2 47 | 17 21 | 1 1 | 0 51 | 20 10 | 17 51 | 5 12 |
| S 26 | 23 12 | 28 0 | 4 55 | 20 8 | 2 28 | 18 55 | 1 59 | 21 49 | 0 5 | 22 22 | 0 3 | 22 10 | 1 8 | 0 53 | 0 46 | 21 17 | 1 2 | 2 47 | 17 20 | 1 6 | 0 52 | 20 8 | 17 51 | 5 13 |
| M27 | 23 10 | 26 26 | 4 37 | 19 54 | 2 44 | 18 35 | 1 59 | 21 55 | 0 4 | 22 21 | 0 3 | 22 10 | 1 8 | 0 52 | 0 46 | 21 17 | 1 2 | 2 46 | 17 20 | 1 11 | 0 53 | 20 5 | 17 51 | 5 13 |
| T 28 | 23 7 | 23 41 | 4 7 | 19 41 | 3 0 | 18 14 | 1 59 | 22 2 | 0 3 | 22 19 | 0 3 | 22 10 | 1 8 | 0 52 | 0 46 | 21 18 | 1 2 | 2 46 | 17 19 | 1 15 | 0 55 | 20 3 | 17 51 | 5 13 |
| W29 | 23 4 | 19 57 | 3 26 | 19 29 | 3 16 | 17 53 | 1 58 | 22 8 | 0 3 | 22 18 | 0 3 | 22 10 | 1 8 | 0 51 | 0 46 | 21 18 | 1 2 | 2 46 | 17 19 | 1 19 | 0 56 | 20 0 | 17 51 | 5 13 |
| T 30 | 23n 0 | 15s26 | 2s37 | 19n18 | 3s30 | 17n31 | 1n58 | 22n15 | 0s 2 | 22n16 | 0s 3 | 22n10 | 1s 8 | 0n51 | 0n45 | 21s18 | 1n 2 | 2n45 | 17n18 | 1s21 | 0s57 | 19s58 | 17n51 | 5s13 |

Julian Day Number = 2807442.5, Delta T = 52m08s
Ecliptic obliquity = 23°18'55, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°22'49, Lahiri = 37°29'50


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# ASTRODIENST EPHEMERIS for the year 2974
# geocentric

## JULY 2974 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 38 6 | 10♋ 9'19 | 7♓14 | 11°R23 | 18♌12 | 14♊ 0 | 16♋36 | 2♋11 | 29♍38 | 16°R17 | 6°R32 | 26°R30 | 27♓32 | 14♒ 4 | 21♊56 | F 1 |
| S 2 | 18 42 2 | 11° 6'40 | 19° 7 | 10♋49 | 19°21 | 14°44 | 16°49 | 2°18 | 29°40 | 16♑16 | 6♏32 | 26♓29 | 27°29 | 14°10 | 22° 0 | S 2 |
| S 3 | 18 45 59 | 12° 4'00 | 1♈ 8 | 10°15 | 20°31 | 15°27 | 17° 3 | 2°26 | 29°41 | 16°14 | 6°31 | 26°D29 | 27°26 | 14°17 | 22° 5 | S 3 |
| M 4 | 18 49 55 | 13° 1'21 | 13°23 | 9°42 | 21°40 | 16°10 | 17°17 | 2°34 | 29°43 | 16°12 | 6°31 | 26°R29 | 27°23 | 14°24 | 22° 9 | M 4 |
| T 5 | 18 53 52 | 13°58'41 | 25°56 | 9°10 | 22°50 | 16°53 | 17°30 | 2°41 | 29°44 | 16°11 | 6°31 | 26°28 | 27°20 | 14°30 | 22°14 | T 5 |
| W 6 | 18 57 49 | 14°56'01 | 8♉54 | 8°41 | 23°59 | 17°36 | 17°44 | 2°49 | 29°46 | 16° 9 | 6°30 | 26°26 | 27°17 | 14°37 | 22°18 | W 6 |
| T 7 | 19 1 45 | 15°53'21 | 22°19 | 8°14 | 25° 8 | 18°19 | 17°58 | 2°57 | 29°47 | 16° 8 | 6°30 | 26°22 | 27°13 | 14°44 | 22°22 | T 7 |
| F 8 | 19 5 42 | 16°50'40 | 6♊13 | 7°49 | 26°17 | 19° 2 | 18°12 | 3° 4 | 29°49 | 16° 6 | 6°30 | 26°15 | 27°10 | 14°50 | 22°27 | F 8 |
| S 9 | 19 9 38 | 17°48'00 | 20°36 | 7°29 | 27°26 | 19°45 | 18°25 | 3°12 | 29°51 | 16° 4 | 6°29 | 26° 6 | 27° 7 | 14°57 | 22°31 | S 9 |
| S 10 | 19 13 35 | 18°45'19 | 5♋22 | 7°11 | 28°35 | 20°28 | 18°39 | 3°19 | 29°52 | 16° 3 | 6°29 | 25°56 | 27° 4 | 15° 4 | 22°36 | S 10 |
| M11 | 19 17 31 | 19°42'38 | 20°25 | 6°58 | 29°44 | 21°10 | 18°53 | 3°27 | 29°54 | 16° 1 | 6°29 | 25°47 | 27° 1 | 15°10 | 22°40 | M11 |
| T 12 | 19 21 28 | 20°39'56 | 5♌34 | 6°49 | 0♍52 | 21°53 | 19° 7 | 3°35 | 29°56 | 15°59 | 6°29 | 25°38 | 26°57 | 15°17 | 22°44 | T 12 |
| W13 | 19 25 24 | 21°37'15 | 20°40 | 6°D45 | 2° 1 | 22°36 | 19°20 | 3°42 | 29°58 | 15°58 | 6°29 | 25°32 | 26°54 | 15°24 | 22°48 | W13 |
| T 14 | 19 29 21 | 22°34'32 | 5♍33 | 6°45 | 3° 9 | 23°18 | 19°34 | 3°50 | 29°59 | 15°56 | 6°29 | 25°28 | 26°51 | 15°30 | 22°53 | T 14 |
| F 15 | 19 33 18 | 23°31'49 | 20° 7 | 6°50 | 4°18 | 24° 1 | 19°48 | 3°57 | 0♎ 2 | 15°55 | 6°28 | 25°D27 | 26°48 | 15°37 | 22°57 | F 15 |
| S 16 | 19 37 14 | 24°29'06 | 4♎18 | 6°59 | 5°26 | 24°43 | 20° 1 | 4° 5 | 0° 4 | 15°53 | 6°D28 | 25°27 | 26°45 | 15°44 | 23° 1 | S 16 |
| S 17 | 19 41 11 | 25°26'22 | 18° 6 | 7°14 | 6°34 | 25°25 | 20°15 | 4°12 | 0° 6 | 15°51 | 6°28 | 25°28 | 26°42 | 15°50 | 23° 5 | S 17 |
| M18 | 19 45 7 | 26°23'38 | 1♏32 | 7°34 | 7°42 | 26° 8 | 20°29 | 4°19 | 0° 8 | 15°50 | 6°29 | 25°R28 | 26°38 | 15°57 | 23° 9 | M18 |
| T 19 | 19 49 4 | 27°20'53 | 14°37 | 7°58 | 8°50 | 26°50 | 20°43 | 4°27 | 0°10 | 15°48 | 6°29 | 25°26 | 26°35 | 16° 4 | 23°14 | T 19 |
| W20 | 19 53 0 | 28°18'08 | 27°25 | 8°28 | 9°57 | 27°32 | 20°56 | 4°34 | 0°12 | 15°47 | 6°29 | 25°23 | 26°32 | 16°11 | 23°18 | W20 |
| T 21 | 19 56 57 | 29°15'23 | 9♐59 | 9° 2 | 11° 5 | 28°14 | 21°10 | 4°41 | 0°15 | 15°45 | 6°29 | 25°17 | 26°29 | 16°17 | 23°22 | T 21 |
| F 22 | 20 0 53 | 0♑12'38 | 22°21 | 9°41 | 12°12 | 28°56 | 21°23 | 4°49 | 0°17 | 15°44 | 6°29 | 25° 9 | 26°26 | 16°24 | 23°26 | F 22 |
| S 23 | 20 4 50 | 1° 9'52 | 4♑34 | 10°26 | 13°19 | 29°38 | 21°37 | 4°56 | 0°19 | 15°42 | 6°29 | 25° 0 | 26°23 | 16°31 | 23°30 | S 23 |
| S 24 | 20 8 47 | 2° 7'06 | 16°38 | 11°14 | 14°27 | 0♋20 | 21°51 | 5° 3 | 0°22 | 15°40 | 6°29 | 24°50 | 26°19 | 16°37 | 23°34 | S 24 |
| M25 | 20 12 43 | 3° 4'21 | 28°36 | 12° 8 | 15°34 | 1° 2 | 22° 4 | 5°10 | 0°24 | 15°39 | 6°30 | 24°40 | 26°16 | 16°44 | 23°38 | M25 |
| T 26 | 20 16 40 | 4° 1'35 | 10♒29 | 13° 6 | 16°40 | 1°44 | 22°18 | 5°18 | 0°26 | 15°37 | 6°30 | 24°32 | 26°13 | 16°51 | 23°41 | T 26 |
| W27 | 20 20 36 | 4°58'50 | 22°19 | 14° 9 | 17°47 | 2°26 | 22°31 | 5°25 | 0°29 | 15°36 | 6°30 | 24°26 | 26°10 | 16°57 | 23°45 | W27 |
| T 28 | 20 24 33 | 5°56'04 | 4♓ 7 | 15°17 | 18°53 | 3° 7 | 22°45 | 5°32 | 0°31 | 15°34 | 6°31 | 24°21 | 26° 7 | 17° 4 | 23°49 | T 28 |
| F 29 | 20 28 29 | 6°53'20 | 15°57 | 16°29 | 20° 0 | 3°49 | 22°58 | 5°39 | 0°34 | 15°33 | 6°31 | 24°19 | 26° 3 | 17°11 | 23°53 | F 29 |
| S 30 | 20 32 26 | 7°50'35 | 27°52 | 17°45 | 21° 6 | 4°30 | 23°12 | 5°46 | 0°37 | 15°31 | 6°32 | 24°D19 | 26° 0 | 17°17 | 23°57 | S 30 |
| S 31 | 20 36 22 | 8♑47'51 | 9♈55 | 19♋ 6 | 22♍12 | 5♋12 | 23♋25 | 5♋53 | 0♎39 | 15♑30 | 6♏32 | 24♓20 | 25♓57 | 17♒24 | 24♊ 0 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n56 | 10s22 | 1s40 | 19n 7 | 3s43 | 17n 9 | 1n57 | 22n20 | 0s 1 | 22n15 | 0s 3 | 22n10 | 1s 8 | 0n50 | 0n45 | 21s18 | 1n 2 | 2n45 | 17n18 | 1s23 | 0s58 | 19s55 | 17n51 | 5s13 |
| S 2 | 22 51 | 4 53 | 0 39 | 18 58 | 3 56 | 16 47 | 1 56 | 22 26 | 0 1 | 22 13 | 0 3 | 22 10 | 1 8 | 0 50 | 0 45 | 21 18 | 1 2 | 2 45 | 17 17 | 1 23 | 1 0 | 19 52 | 17 52 | 5 13 |
| S 3 | 22 46 | 0n49 | 0n25 | 18 49 | 4 7 | 16 24 | 1 56 | 22 32 | 0n 0 | 22 11 | 0 3 | 22 10 | 1 8 | 0 49 | 0 45 | 21 19 | 1 2 | 2 44 | 17 16 | 1 24 | 1 1 | 19 50 | 17 52 | 5 14 |
| M 4 | 22 41 | 6 37 | 1 29 | 18 42 | 4 17 | 16 1 | 1 55 | 22 37 | 0 1 | 22 10 | 0 3 | 22 10 | 1 8 | 0 48 | 0 45 | 21 19 | 1 2 | 2 44 | 17 16 | 1 23 | 1 2 | 19 47 | 17 52 | 5 14 |
| T 5 | 22 35 | 12 18 | 2 30 | 18 36 | 4 25 | 15 38 | 1 54 | 22 42 | 0 1 | 22 8 | 0 3 | 22 10 | 1 8 | 0 48 | 0 45 | 21 19 | 1 2 | 2 44 | 17 15 | 1 24 | 1 3 | 19 45 | 17 52 | 5 14 |
| W 6 | 22 29 | 17 38 | 3 25 | 18 31 | 4 32 | 15 14 | 1 53 | 22 47 | 0 2 | 22 6 | 0 2 | 22 10 | 1 8 | 0 47 | 0 45 | 21 19 | 1 2 | 2 43 | 17 15 | 1 25 | 1 5 | 19 42 | 17 52 | 5 14 |
| T 7 | 22 23 | 22 18 | 4 11 | 18 27 | 4 37 | 14 50 | 1 51 | 22 51 | 0 3 | 22 5 | 0 2 | 22 9 | 1 8 | 0 47 | 0 45 | 21 19 | 1 2 | 2 43 | 17 14 | 1 26 | 1 6 | 19 40 | 17 52 | 5 14 |
| F 8 | 22 16 | 25 54 | 4 45 | 18 25 | 4 41 | 14 25 | 1 50 | 22 56 | 0 4 | 22 3 | 0 2 | 22 9 | 1 7 | 0 46 | 0 45 | 21 20 | 1 2 | 2 42 | 17 14 | 1 29 | 1 7 | 19 37 | 17 52 | 5 15 |
| S 9 | 22 8 | 28 0 | 5 1 | 18 23 | 4 44 | 14 0 | 1 49 | 23 0 | 0 4 | 22 1 | 0 2 | 22 9 | 1 7 | 0 45 | 0 45 | 21 20 | 1 2 | 2 42 | 17 13 | 1 32 | 1 8 | 19 34 | 17 52 | 5 15 |
| S 10 | 22 1 | 28 11 | 4 59 | 18 23 | 4 44 | 13 35 | 1 47 | 23 3 | 0 5 | 21 59 | 0 2 | 22 9 | 1 7 | 0 44 | 0 45 | 21 20 | 1 2 | 2 41 | 17 13 | 1 36 | 1 10 | 19 32 | 17 52 | 5 15 |
| M11 | 21 53 | 26 19 | 4 36 | 18 24 | 4 44 | 13 9 | 1 45 | 23 7 | 0 6 | 21 58 | 0 2 | 22 9 | 1 7 | 0 44 | 0 45 | 21 20 | 1 2 | 2 41 | 17 12 | 1 40 | 1 11 | 19 29 | 17 52 | 5 15 |
| T 12 | 21 44 | 22 33 | 3 53 | 18 27 | 4 42 | 12 43 | 1 44 | 23 11 | 0 6 | 21 56 | 0 2 | 22 9 | 1 7 | 0 43 | 0 45 | 21 20 | 1 2 | 2 40 | 17 12 | 1 43 | 1 12 | 19 27 | 17 52 | 5 16 |
| W13 | 21 35 | 17 17 | 2 54 | 18 30 | 4 39 | 12 17 | 1 42 | 23 14 | 0 7 | 21 54 | 0 2 | 22 9 | 1 7 | 0 42 | 0 45 | 21 21 | 1 2 | 2 40 | 17 11 | 1 46 | 1 13 | 19 24 | 17 52 | 5 16 |
| T 14 | 21 26 | 11 3 | 1 44 | 18 34 | 4 35 | 11 51 | 1 40 | 23 17 | 0 8 | 21 52 | 0 2 | 22 8 | 1 7 | 0 41 | 0 45 | 21 21 | 1 2 | 2 39 | 17 10 | 1 47 | 1 15 | 19 21 | 17 52 | 5 16 |
| F 15 | 21 17 | 4 20 | 0 28 | 18 39 | 4 29 | 11 24 | 1 38 | 23 19 | 0 9 | 21 50 | 0 2 | 22 8 | 1 7 | 0 40 | 0 45 | 21 21 | 1 2 | 2 39 | 17 10 | 1 48 | 1 16 | 19 19 | 17 52 | 5 16 |
| S 16 | 21 7 | 2s25 | 0s47 | 18 46 | 4 23 | 10 57 | 1 36 | 23 22 | 0 9 | 21 48 | 0 1 | 22 8 | 1 7 | 0 40 | 0 45 | 21 21 | 1 2 | 2 38 | 17 9 | 1 48 | 1 17 | 19 16 | 17 52 | 5 16 |
| S 17 | 20 56 | 8 53 | 1 58 | 18 52 | 4 15 | 10 30 | 1 34 | 23 24 | 0 10 | 21 46 | 0 1 | 22 8 | 1 7 | 0 39 | 0 45 | 21 21 | 1 2 | 2 38 | 17 9 | 1 48 | 1 19 | 19 13 | 17 52 | 5 17 |
| M18 | 20 46 | 14 46 | 3 0 | 19 0 | 4 7 | 10 3 | 1 31 | 23 26 | 0 11 | 21 45 | 0 1 | 22 8 | 1 7 | 0 38 | 0 45 | 21 22 | 1 2 | 2 37 | 17 8 | 1 48 | 1 20 | 19 11 | 17 52 | 5 17 |
| T 19 | 20 35 | 19 50 | 3 52 | 19 8 | 3 57 | 9 35 | 1 29 | 23 28 | 0 12 | 21 43 | 0 1 | 22 7 | 1 7 | 0 37 | 0 45 | 21 22 | 1 2 | 2 37 | 17 8 | 1 48 | 1 21 | 19 8 | 17 52 | 5 17 |
| W20 | 20 24 | 23 52 | 4 30 | 19 16 | 3 47 | 9 8 | 1 26 | 23 30 | 0 12 | 21 41 | 0 1 | 22 7 | 1 7 | 0 36 | 0 45 | 21 22 | 1 2 | 2 36 | 17 7 | 1 50 | 1 22 | 19 5 | 17 52 | 5 18 |
| T 21 | 20 12 | 26 41 | 4 55 | 19 25 | 3 36 | 8 40 | 1 23 | 23 31 | 0 13 | 21 39 | 0 1 | 22 7 | 1 7 | 0 35 | 0 45 | 21 22 | 1 2 | 2 36 | 17 6 | 1 52 | 1 24 | 19 3 | 17 52 | 5 18 |
| F 22 | 20 0 | 28 10 | 5 5 | 19 33 | 3 25 | 8 11 | 1 21 | 23 32 | 0 14 | 21 37 | 0 1 | 22 7 | 1 7 | 0 34 | 0 45 | 21 22 | 1 2 | 2 35 | 17 6 | 1 55 | 1 25 | 19 0 | 17 51 | 5 18 |
| S 23 | 19 48 | 28 15 | 5 1 | 19 42 | 3 13 | 7 43 | 1 18 | 23 33 | 0 14 | 21 35 | 0 1 | 22 7 | 1 7 | 0 33 | 0 45 | 21 23 | 1 2 | 2 34 | 17 5 | 1 59 | 1 26 | 18 57 | 17 51 | 5 18 |
| S 24 | 19 35 | 26 59 | 4 44 | 19 51 | 3 1 | 7 15 | 1 15 | 23 34 | 0 15 | 21 32 | 0 1 | 22 6 | 1 7 | 0 32 | 0 45 | 21 23 | 1 2 | 2 34 | 17 5 | 2 3 | 1 27 | 18 55 | 17 51 | 5 19 |
| M25 | 19 22 | 24 29 | 4 14 | 19 59 | 2 48 | 6 46 | 1 12 | 23 35 | 0 16 | 21 30 | 0 1 | 22 6 | 1 7 | 0 31 | 0 44 | 21 23 | 1 2 | 2 33 | 17 4 | 2 6 | 1 29 | 18 52 | 17 51 | 5 19 |
| T 26 | 19 9 | 20 57 | 3 33 | 20 7 | 2 35 | 6 17 | 1 9 | 23 35 | 0 17 | 21 28 | 0 1 | 22 6 | 1 7 | 0 30 | 0 44 | 21 23 | 1 2 | 2 32 | 17 4 | 2 10 | 1 30 | 18 49 | 17 51 | 5 19 |
| W27 | 18 55 | 16 35 | 2 44 | 20 14 | 2 21 | 5 48 | 1 5 | 23 35 | 0 17 | 21 26 | 0 0 | 22 6 | 1 7 | 0 29 | 0 44 | 21 23 | 1 2 | 2 32 | 17 3 | 2 12 | 1 31 | 18 47 | 17 51 | 5 20 |
| T 28 | 18 41 | 11 36 | 1 47 | 20 20 | 2 8 | 5 19 | 1 2 | 23 35 | 0 18 | 21 24 | 0 0 | 22 5 | 1 7 | 0 28 | 0 44 | 21 24 | 1 2 | 2 31 | 17 2 | 2 14 | 1 32 | 18 44 | 17 51 | 5 20 |
| F 29 | 18 27 | 6 12 | 0 45 | 20 25 | 1 54 | 4 50 | 0 58 | 23 34 | 0 19 | 21 22 | 0 0 | 22 5 | 1 7 | 0 27 | 0 44 | 21 24 | 1 2 | 2 30 | 17 2 | 2 15 | 1 34 | 18 41 | 17 51 | 5 20 |
| S 30 | 18 13 | 0 33 | 0n19 | 20 30 | 1 40 | 4 21 | 0 55 | 23 34 | 0 19 | 21 20 | 0 0 | 22 5 | 1 7 | 0 26 | 0 44 | 21 24 | 1 2 | 2 30 | 17 1 | 2 15 | 1 35 | 18 39 | 17 51 | 5 20 |
| S 31 | 17n58 | 5n12 | 1n24 | 20n33 | 1s26 | 3n52 | 0n51 | 23n33 | 0n20 | 21n18 | 0s 0 | 22n 4 | 1s 7 | 0n25 | 0n44 | 21s24 | 1n 2 | 2n29 | 17n 1 | 2s15 | 1s36 | 18s36 | 17n50 | 5s21 |

Julian Day Number = 2807472.5, Delta T = 52m08s
Ecliptic obliquity = 23°18'55, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°22'53, Lahiri = 37°29'54


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# ASTRODIENST EPHEMERIS for the year 2974
# geocentric

## AUGUST 2974 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 40 19 | 9♌45'07 | 22♈11 | 20♋31 | 23♍17 | 5♋53 | 23♋39 | 6♋ 0 | 0♎42 | 15°R28 | 6♏33 | 24♓21 | 25♓54 | 17♒31 | 24♊ 4 | M 1 |
| T 2 | 20 44 16 | 10°42'24 | 4♉44 | 22° 0 | 24°23 | 6°35 | 23°52 | 6° 7 | 0°45 | 15♑27 | 6°33 | 24°R22 | 25°51 | 17°37 | 24° 8 | T 2 |
| W 3 | 20 48 12 | 11°39'42 | 17°39 | 23°33 | 25°28 | 7°16 | 24° 6 | 6°13 | 0°47 | 15°26 | 6°34 | 24°22 | 25°48 | 17°44 | 24°11 | W 3 |
| T 4 | 20 52 9 | 12°37'00 | 1♊ 0 | 25°10 | 26°34 | 7°57 | 24°19 | 6°20 | 0°50 | 15°24 | 6°34 | 24°21 | 25°44 | 17°51 | 24°15 | T 4 |
| F 5 | 20 56 5 | 13°34'20 | 14°48 | 26°51 | 27°39 | 8°39 | 24°32 | 6°27 | 0°53 | 15°23 | 6°35 | 24°17 | 25°41 | 17°57 | 24°18 | F 5 |
| S 6 | 21 0 2 | 14°31'40 | 29° 5 | 28°36 | 28°43 | 9°20 | 24°45 | 6°34 | 0°56 | 15°21 | 6°36 | 24°13 | 25°38 | 18° 4 | 24°22 | S 6 |
| S 7 | 21 3 58 | 15°29'00 | 13♋47 | 0♌24 | 29°48 | 10° 1 | 24°59 | 6°40 | 0°59 | 15°20 | 6°36 | 24° 7 | 25°35 | 18°11 | 24°25 | S 7 |
| M 8 | 21 7 55 | 16°26'22 | 28°49 | 2°15 | 0♎53 | 10°42 | 25°12 | 6°47 | 1° 2 | 15°19 | 6°37 | 24° 2 | 25°32 | 18°17 | 24°28 | M 8 |
| T 9 | 21 11 52 | 17°23'44 | 14♌ 1 | 4° 8 | 1°57 | 11°23 | 25°25 | 6°53 | 1° 5 | 15°17 | 6°38 | 23°57 | 25°29 | 18°24 | 24°32 | T 9 |
| W10 | 21 15 48 | 18°21'06 | 29°15 | 6° 5 | 3° 1 | 12° 4 | 25°38 | 7° 0 | 1° 8 | 15°16 | 6°39 | 23°54 | 25°25 | 18°31 | 24°35 | W10 |
| T 11 | 21 19 45 | 19°18'29 | 14♍19 | 8° 4 | 4° 5 | 12°44 | 25°51 | 7° 6 | 1°11 | 15°15 | 6°40 | 23°52 | 25°22 | 18°37 | 24°38 | T 11 |
| F 12 | 21 23 41 | 20°15'53 | 29° 6 | 10° 5 | 5° 8 | 13°25 | 26° 4 | 7°13 | 1°14 | 15°14 | 6°41 | 23°D52 | 25°19 | 18°44 | 24°41 | F 12 |
| S 13 | 21 27 38 | 21°13'16 | 13♎30 | 12° 7 | 6°11 | 14° 6 | 26°17 | 7°19 | 1°17 | 15°12 | 6°41 | 23°52 | 25°16 | 18°51 | 24°45 | S 13 |
| S 14 | 21 31 34 | 22°10'41 | 27°28 | 14°11 | 7°14 | 14°47 | 26°30 | 7°25 | 1°20 | 15°11 | 6°42 | 23°54 | 25°13 | 18°57 | 24°48 | S 14 |
| M15 | 21 35 31 | 23° 8'05 | 11♏ 0 | 16°16 | 8°17 | 15°27 | 26°43 | 7°32 | 1°23 | 15°10 | 6°43 | 23°55 | 25° 9 | 19° 4 | 24°51 | M15 |
| T 16 | 21 39 27 | 24° 5'31 | 24° 7 | 18°21 | 9°20 | 16° 8 | 26°56 | 7°38 | 1°26 | 15° 9 | 6°44 | 23°R56 | 25° 6 | 19°11 | 24°54 | T 16 |
| W17 | 21 43 24 | 25° 2'57 | 6♐54 | 20°27 | 10°22 | 16°48 | 27° 9 | 7°44 | 1°29 | 15° 8 | 6°45 | 23°55 | 25° 3 | 19°17 | 24°57 | W17 |
| T 18 | 21 47 21 | 26° 0'23 | 19°23 | 22°32 | 11°24 | 17°28 | 27°22 | 7°50 | 1°33 | 15° 6 | 6°46 | 23°53 | 25° 0 | 19°24 | 24°59 | T 18 |
| F 19 | 21 51 17 | 26°57'50 | 1♑38 | 24°38 | 12°26 | 18° 9 | 27°35 | 7°56 | 1°36 | 15° 5 | 6°48 | 23°50 | 24°57 | 19°31 | 25° 2 | F 19 |
| S 20 | 21 55 14 | 27°55'18 | 13°42 | 26°43 | 13°27 | 18°49 | 27°47 | 8° 2 | 1°39 | 15° 4 | 6°49 | 23°46 | 24°54 | 19°37 | 25° 5 | S 20 |
| S 21 | 21 59 10 | 28°52'46 | 25°39 | 28°47 | 14°28 | 19°29 | 28° 0 | 8° 8 | 1°42 | 15° 3 | 6°50 | 23°42 | 24°50 | 19°44 | 25° 8 | S 21 |
| M22 | 22 3 7 | 29°50'15 | 7♒31 | 0♍51 | 15°29 | 20° 9 | 28°13 | 8°14 | 1°46 | 15° 2 | 6°51 | 23°38 | 24°47 | 19°51 | 25°10 | M22 |
| T 23 | 22 7 3 | 0♍47'45 | 19°20 | 2°53 | 16°30 | 20°49 | 28°25 | 8°19 | 1°49 | 15° 1 | 6°52 | 23°35 | 24°44 | 19°57 | 25°13 | T 23 |
| W24 | 22 11 0 | 1°45'16 | 1♓10 | 4°54 | 17°30 | 21°29 | 28°38 | 8°25 | 1°53 | 15° 0 | 6°54 | 23°32 | 24°41 | 20° 4 | 25°16 | W24 |
| T 25 | 22 14 56 | 2°42'47 | 13° 2 | 6°55 | 18°29 | 22° 9 | 28°50 | 8°31 | 1°56 | 14°59 | 6°55 | 23°31 | 24°38 | 20°11 | 25°18 | T 25 |
| F 26 | 22 18 53 | 3°40'20 | 24°57 | 8°53 | 19°29 | 22°49 | 29° 3 | 8°36 | 1°59 | 14°58 | 6°56 | 23°D30 | 24°34 | 20°17 | 25°21 | F 26 |
| S 27 | 22 22 49 | 4°37'54 | 6♈59 | 10°51 | 20°28 | 23°29 | 29°15 | 8°42 | 2° 3 | 14°57 | 6°57 | 23°31 | 24°31 | 20°24 | 25°23 | S 27 |
| S 28 | 22 26 46 | 5°35'29 | 19°10 | 12°47 | 21°27 | 24° 9 | 29°27 | 8°47 | 2° 6 | 14°56 | 6°59 | 23°32 | 24°28 | 20°31 | 25°25 | S 28 |
| M29 | 22 30 43 | 6°33'06 | 1♉33 | 14°42 | 22°25 | 24°48 | 29°39 | 8°52 | 2°10 | 14°56 | 7° 0 | 23°33 | 24°25 | 20°37 | 25°28 | M29 |
| T 30 | 22 34 39 | 7°30'44 | 14°11 | 16°35 | 23°23 | 25°28 | 29°51 | 8°58 | 2°13 | 14°55 | 7° 2 | 23°35 | 24°22 | 20°44 | 25°30 | T 30 |
| W31 | 22 38 36 | 8♍28'23 | 27♉ 8 | 18♍27 | 24♎20 | 26♋ 7 | 0♌ 4 | 9♋ 3 | 2♎17 | 14♑54 | 7♏ 3 | 23♓36 | 24♓19 | 20♒51 | 25♊32 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n43 | 10n51 | 2n25 | 20n34 | 1s12 | 3n22 | 0n47 | 23n32 | 0n21 | 21n15 | 0s 0 | 22n 4 | 1s 7 | 0n24 | 0n44 | 21s24 | 1n 2 | 2n28 | 17n 0 | 2s14 | 1s37 | 18s33 | 17n50 | 5s21 |
| T 2 | 17 28 | 16 12 | 3 21 | 20 34 | 0 58 | 2 53 | 0 43 | 23 31 | 0 22 | 21 13 | 0n 0 | 22 4 | 1 7 | 0 23 | 0 44 | 21 24 | 1 2 | 2 28 | 16 59 | 2 14 | 1 39 | 18 31 | 17 50 | 5 21 |
| W 3 | 17 12 | 21 0 | 4 9 | 20 32 | 0 45 | 2 24 | 0 39 | 23 29 | 0 22 | 21 11 | 0 0 | 22 4 | 1 7 | 0 22 | 0 44 | 21 25 | 1 1 | 2 27 | 16 59 | 2 14 | 1 40 | 18 28 | 17 50 | 5 22 |
| T 4 | 16 56 | 24 54 | 4 45 | 20 29 | 0 31 | 1 54 | 0 35 | 23 28 | 0 23 | 21 9 | 0 0 | 22 3 | 1 7 | 0 21 | 0 44 | 21 25 | 1 1 | 2 26 | 16 58 | 2 14 | 1 41 | 18 25 | 17 50 | 5 22 |
| F 5 | 16 40 | 27 31 | 5 6 | 20 23 | 0 18 | 1 24 | 0 31 | 23 26 | 0 24 | 21 7 | 0 0 | 22 3 | 1 7 | 0 20 | 0 44 | 21 25 | 1 1 | 2 25 | 16 58 | 2 15 | 1 42 | 18 22 | 17 49 | 5 22 |
| S 6 | 16 23 | 28 28 | 5 9 | 20 15 | 0 6 | 0 55 | 0 27 | 23 24 | 0 25 | 21 4 | 0 0 | 22 3 | 1 7 | 0 18 | 0 44 | 21 25 | 1 1 | 2 25 | 16 57 | 2 17 | 1 44 | 18 20 | 17 49 | 5 23 |
| S 7 | 16 7 | 27 27 | 4 52 | 20 4 | 0n 7 | 0 25 | 0 22 | 23 22 | 0 25 | 21 2 | 0 1 | 22 2 | 1 7 | 0 17 | 0 44 | 21 25 | 1 1 | 2 24 | 16 57 | 2 19 | 1 45 | 18 17 | 17 49 | 5 23 |
| M 8 | 15 50 | 24 27 | 4 15 | 19 51 | 0 18 | 0s 4 | 0 18 | 23 19 | 0 26 | 21 0 | 0 1 | 22 2 | 1 7 | 0 16 | 0 44 | 21 26 | 1 1 | 2 23 | 16 56 | 2 22 | 1 46 | 18 14 | 17 49 | 5 23 |
| T 9 | 15 32 | 19 43 | 3 20 | 19 36 | 0 29 | 0 34 | 0 13 | 23 17 | 0 27 | 20 57 | 0 1 | 22 2 | 1 7 | 0 15 | 0 44 | 21 26 | 1 1 | 2 22 | 16 56 | 2 23 | 1 47 | 18 11 | 17 49 | 5 24 |
| W10 | 15 15 | 13 43 | 2 10 | 19 18 | 0 40 | 1 4 | 0 8 | 23 14 | 0 27 | 20 55 | 0 1 | 22 1 | 1 7 | 0 14 | 0 44 | 21 26 | 1 1 | 2 22 | 16 55 | 2 25 | 1 49 | 18 9 | 17 48 | 5 24 |
| T 11 | 14 57 | 6 56 | 0 52 | 18 57 | 0 50 | 1 33 | 0 4 | 23 11 | 0 28 | 20 53 | 0 1 | 22 1 | 1 7 | 0 12 | 0 44 | 21 26 | 1 1 | 2 21 | 16 54 | 2 26 | 1 50 | 18 6 | 17 48 | 5 25 |
| F 12 | 14 39 | 0s 5 | 0s29 | 18 34 | 0 59 | 2 3 | 0s 1 | 23 7 | 0 29 | 20 51 | 0 1 | 22 1 | 1 7 | 0 11 | 0 44 | 21 26 | 1 1 | 2 20 | 16 54 | 2 26 | 1 51 | 18 3 | 17 48 | 5 25 |
| S 13 | 14 21 | 6 55 | 1 45 | 18 9 | 1 7 | 2 32 | 0 6 | 23 4 | 0 30 | 20 48 | 0 1 | 22 0 | 1 7 | 0 10 | 0 44 | 21 26 | 1 1 | 2 19 | 16 53 | 2 25 | 1 52 | 18 0 | 17 48 | 5 25 |
| S 14 | 14 3 | 13 13 | 2 54 | 17 41 | 1 15 | 3 2 | 0 11 | 23 0 | 0 30 | 20 46 | 0 1 | 22 0 | 1 7 | 0 9 | 0 44 | 21 27 | 1 1 | 2 18 | 16 53 | 2 25 | 1 54 | 17 58 | 17 47 | 5 26 |
| M15 | 13 44 | 18 41 | 3 50 | 17 10 | 1 21 | 3 31 | 0 16 | 22 56 | 0 31 | 20 43 | 0 1 | 22 0 | 1 7 | 0 7 | 0 44 | 21 27 | 1 1 | 2 18 | 16 52 | 2 24 | 1 55 | 17 55 | 17 47 | 5 26 |
| T 16 | 13 25 | 23 6 | 4 32 | 16 38 | 1 27 | 4 1 | 0 22 | 22 52 | 0 32 | 20 41 | 0 1 | 21 59 | 1 7 | 0 6 | 0 44 | 21 27 | 1 1 | 2 17 | 16 52 | 2 24 | 1 56 | 17 52 | 17 47 | 5 26 |
| W17 | 13 6 | 26 16 | 5 0 | 16 3 | 1 32 | 4 30 | 0 27 | 22 48 | 0 33 | 20 39 | 0 2 | 21 59 | 1 7 | 0 5 | 0 44 | 21 27 | 1 1 | 2 16 | 16 51 | 2 24 | 1 57 | 17 49 | 17 47 | 5 27 |
| T 18 | 12 47 | 28 5 | 5 12 | 15 27 | 1 36 | 4 59 | 0 32 | 22 44 | 0 33 | 20 36 | 0 2 | 21 59 | 1 7 | 0 4 | 0 44 | 21 27 | 1 1 | 2 15 | 16 51 | 2 25 | 1 59 | 17 47 | 17 46 | 5 27 |
| F 19 | 12 28 | 28 29 | 5 10 | 14 49 | 1 40 | 5 28 | 0 38 | 22 39 | 0 34 | 20 34 | 0 2 | 21 58 | 1 7 | 0 2 | 0 44 | 21 27 | 1 1 | 2 14 | 16 50 | 2 26 | 2 0 | 17 44 | 17 46 | 5 28 |
| S 20 | 12 8 | 27 30 | 4 55 | 14 9 | 1 42 | 5 57 | 0 44 | 22 35 | 0 35 | 20 32 | 0 2 | 21 58 | 1 7 | 0 1 | 0 44 | 21 28 | 1 1 | 2 14 | 16 50 | 2 28 | 2 1 | 17 41 | 17 46 | 5 28 |
| S 21 | 11 48 | 25 16 | 4 26 | 13 28 | 1 44 | 6 26 | 0 49 | 22 30 | 0 36 | 20 29 | 0 2 | 21 57 | 1 7 | 0s 0 | 0 44 | 21 28 | 1 1 | 2 13 | 16 49 | 2 29 | 2 2 | 17 38 | 17 45 | 5 28 |
| M22 | 11 28 | 21 57 | 3 47 | 12 45 | 1 45 | 6 55 | 0 55 | 22 25 | 0 36 | 20 27 | 0 2 | 21 57 | 1 7 | 0 2 | 0 44 | 21 28 | 1 1 | 2 12 | 16 49 | 2 31 | 2 4 | 17 35 | 17 45 | 5 29 |
| T 23 | 11 8 | 17 45 | 2 57 | 12 2 | 1 45 | 7 23 | 1 1 | 22 19 | 0 37 | 20 24 | 0 2 | 21 57 | 1 7 | 0 3 | 0 44 | 21 28 | 1 1 | 2 11 | 16 48 | 2 32 | 2 5 | 17 33 | 17 45 | 5 29 |
| W24 | 10 48 | 12 52 | 2 0 | 11 17 | 1 45 | 7 52 | 1 7 | 22 14 | 0 38 | 20 22 | 0 2 | 21 56 | 1 7 | 0 4 | 0 44 | 21 28 | 1 1 | 2 10 | 16 47 | 2 33 | 2 6 | 17 30 | 17 44 | 5 30 |
| T 25 | 10 27 | 7 31 | 0 58 | 10 32 | 1 44 | 8 20 | 1 13 | 22 8 | 0 38 | 20 19 | 0 2 | 21 56 | 1 7 | 0 6 | 0 44 | 21 28 | 1 1 | 2 9 | 16 47 | 2 34 | 2 7 | 17 27 | 17 44 | 5 30 |
| F 26 | 10 7 | 1 52 | 0n 8 | 9 46 | 1 42 | 8 48 | 1 19 | 22 2 | 0 39 | 20 17 | 0 2 | 21 56 | 1 7 | 0 7 | 0 44 | 21 28 | 1 1 | 2 8 | 16 46 | 2 34 | 2 9 | 17 24 | 17 44 | 5 31 |
| S 27 | 9 46 | 3n53 | 1 14 | 9 0 | 1 40 | 9 16 | 1 25 | 21 57 | 0 40 | 20 15 | 0 2 | 21 55 | 1 7 | 0 9 | 0 44 | 21 29 | 1 1 | 2 7 | 16 46 | 2 34 | 2 10 | 17 21 | 17 43 | 5 31 |
| S 28 | 9 25 | 9 35 | 2 17 | 8 13 | 1 37 | 9 44 | 1 31 | 21 50 | 0 41 | 20 12 | 0 3 | 21 55 | 1 7 | 0 10 | 0 44 | 21 29 | 1 1 | 2 7 | 16 45 | 2 33 | 2 11 | 17 18 | 17 43 | 5 31 |
| M29 | 9 4 | 15 0 | 3 15 | 7 26 | 1 34 | 10 11 | 1 38 | 21 44 | 0 41 | 20 10 | 0 3 | 21 55 | 1 7 | 0 11 | 0 43 | 21 29 | 1 1 | 2 6 | 16 45 | 2 33 | 2 12 | 17 16 | 17 43 | 5 32 |
| T 30 | 8 42 | 19 55 | 4 5 | 6 39 | 1 30 | 10 39 | 1 44 | 21 38 | 0 42 | 20 7 | 0 3 | 21 54 | 1 7 | 0 13 | 0 43 | 21 29 | 1 1 | 2 5 | 16 45 | 2 32 | 2 14 | 17 13 | 17 42 | 5 32 |
| W31 | 8n21 | 24n 1 | 4n44 | 5n51 | 1n25 | 11s 6 | 1s50 | 21n31 | 0n43 | 20n 5 | 0n 3 | 21n54 | 1s 7 | 0s14 | 0n43 | 21s29 | 1n 1 | 2n 4 | 16n44 | 2s32 | 2s15 | 17s10 | 17n42 | 5s33 |

Julian Day Number = 2807503.5, Delta T = 52m09s
Ecliptic obliquity = 23°18'56, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°22'58, Lahiri = 37°29'58


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# ASTRODIENST EPHEMERIS for the year 2974
# geocentric

## SEPTEMBER 2974 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 42 32 | 9♍26'04 | 10♊26 | 20♍17 | 25♎17 | 26♋47 | 0♌16 | 9♋ 8 | 2♎20 | 14°R53 | 7♏ 5 | 23°R36 | 24♓15 | 20♒57 | 25♊34 | T 1 |
| F 2 | 22 46 29 | 10°23'47 | 24° 7 | 22° 6 | 26°14 | 27°26 | 0°27 | 9°13 | 2°24 | 14♑52 | 7° 6 | 23♓35 | 24°12 | 21° 4 | 25°36 | F 2 |
| S 3 | 22 50 25 | 11°21'31 | 8♋12 | 23°54 | 27°10 | 28° 6 | 0°39 | 9°18 | 2°27 | 14°52 | 7° 8 | 23°35 | 24° 9 | 21°11 | 25°38 | S 3 |
| S 4 | 22 54 22 | 12°19'16 | 22°40 | 25°40 | 28° 6 | 28°45 | 0°51 | 9°23 | 2°31 | 14°51 | 7° 9 | 23°33 | 24° 6 | 21°17 | 25°40 | S 4 |
| M 5 | 22 58 18 | 13°17'03 | 7♌28 | 27°25 | 29° 1 | 29°24 | 1° 3 | 9°28 | 2°35 | 14°50 | 7°11 | 23°32 | 24° 3 | 21°24 | 25°42 | M 5 |
| T 6 | 23 2 15 | 14°14'52 | 22°29 | 29° 8 | 29°56 | 0♌ 3 | 1°15 | 9°33 | 2°38 | 14°50 | 7°12 | 23°31 | 24° 0 | 21°31 | 25°44 | T 6 |
| W 7 | 23 6 12 | 15°12'42 | 7♍34 | 0♎50 | 0♏50 | 0°42 | 1°26 | 9°37 | 2°42 | 14°49 | 7°14 | 23°30 | 23°56 | 21°37 | 25°45 | W 7 |
| T 8 | 23 10 8 | 16°10'33 | 22°36 | 2°30 | 1°44 | 1°21 | 1°38 | 9°42 | 2°46 | 14°48 | 7°16 | 23°D30 | 23°53 | 21°44 | 25°47 | T 8 |
| F 9 | 23 14 5 | 17° 8'26 | 7♎26 | 4°10 | 2°37 | 2° 0 | 1°49 | 9°46 | 2°49 | 14°48 | 7°17 | 23°30 | 23°50 | 21°51 | 25°49 | F 9 |
| S 10 | 23 18 1 | 18° 6'20 | 21°56 | 5°47 | 3°29 | 2°39 | 2° 1 | 9°51 | 2°53 | 14°47 | 7°19 | 23°31 | 23°47 | 21°57 | 25°50 | S 10 |
| S 11 | 23 21 58 | 19° 4'15 | 6♏ 2 | 7°24 | 4°21 | 3°18 | 2°12 | 9°55 | 2°57 | 14°47 | 7°21 | 23°31 | 23°44 | 22° 4 | 25°52 | S 11 |
| M12 | 23 25 54 | 20° 2'11 | 19°41 | 8°59 | 5°13 | 3°56 | 2°23 | 9°59 | 3° 0 | 14°46 | 7°23 | 23°32 | 23°40 | 22°11 | 25°53 | M12 |
| T 13 | 23 29 51 | 21° 0'09 | 2♐55 | 10°33 | 6° 3 | 4°35 | 2°34 | 10° 3 | 3° 4 | 14°46 | 7°24 | 23°32 | 23°37 | 22°17 | 25°54 | T 13 |
| W14 | 23 33 47 | 21°58'08 | 15°45 | 12° 5 | 6°53 | 5°14 | 2°45 | 10° 7 | 3° 8 | 14°46 | 7°26 | 23°32 | 23°34 | 22°24 | 25°56 | W14 |
| T 15 | 23 37 44 | 22°56'09 | 28°15 | 13°37 | 7°43 | 5°52 | 2°56 | 10°11 | 3°12 | 14°45 | 7°28 | 23°R32 | 23°31 | 22°31 | 25°57 | T 15 |
| F 16 | 23 41 41 | 23°54'10 | 10♑28 | 15° 6 | 8°31 | 6°31 | 3° 7 | 10°15 | 3°15 | 14°45 | 7°30 | 23°D32 | 23°28 | 22°37 | 25°58 | F 16 |
| S 17 | 23 45 37 | 24°52'13 | 22°29 | 16°35 | 9°19 | 7° 9 | 3°18 | 10°19 | 3°19 | 14°45 | 7°32 | 23°32 | 23°25 | 22°44 | 25°59 | S 17 |
| S 18 | 23 49 34 | 25°50'17 | 4♒22 | 18° 2 | 10° 6 | 7°47 | 3°28 | 10°23 | 3°23 | 14°44 | 7°34 | 23°32 | 23°21 | 22°51 | 26° 0 | S 18 |
| M19 | 23 53 30 | 26°48'23 | 16°12 | 19°28 | 10°52 | 8°25 | 3°39 | 10°26 | 3°27 | 14°44 | 7°36 | 23°33 | 23°18 | 22°57 | 26° 1 | M19 |
| T 20 | 23 57 27 | 27°46'30 | 28° 1 | 20°52 | 11°38 | 9° 4 | 3°50 | 10°30 | 3°30 | 14°44 | 7°38 | 23°33 | 23°15 | 23° 4 | 26° 2 | T 20 |
| W21 | 0 1 23 | 28°44'38 | 9♓54 | 22°15 | 12°22 | 9°42 | 4° 0 | 10°33 | 3°34 | 14°44 | 7°39 | 23°33 | 23°12 | 23°11 | 26° 3 | W21 |
| T 22 | 0 5 20 | 29°42'48 | 21°51 | 23°37 | 13° 6 | 10°20 | 4°10 | 10°37 | 3°38 | 14°44 | 7°41 | 23°R33 | 23° 9 | 23°17 | 26° 3 | T 22 |
| F 23 | 0 9 16 | 0♎40'59 | 3♈56 | 24°57 | 13°48 | 10°57 | 4°20 | 10°40 | 3°42 | 14°43 | 7°43 | 23°33 | 23° 6 | 23°24 | 26° 4 | F 23 |
| S 24 | 0 13 13 | 1°39'13 | 16°11 | 26°16 | 14°30 | 11°35 | 4°30 | 10°43 | 3°45 | 14°43 | 7°45 | 23°33 | 23° 2 | 23°31 | 26° 5 | S 24 |
| S 25 | 0 17 10 | 2°37'28 | 28°37 | 27°33 | 15°10 | 12°13 | 4°40 | 10°46 | 3°49 | 14°43 | 7°48 | 23°32 | 22°59 | 23°37 | 26° 5 | S 25 |
| M26 | 0 21 6 | 3°35'45 | 11♉15 | 28°49 | 15°50 | 12°51 | 4°50 | 10°49 | 3°53 | 14°D43 | 7°50 | 23°31 | 22°56 | 23°44 | 26° 6 | M26 |
| T 27 | 0 25 3 | 4°34'04 | 24° 6 | 0♏ 3 | 16°28 | 13°28 | 5° 0 | 10°52 | 3°57 | 14°43 | 7°52 | 23°29 | 22°53 | 23°51 | 26° 6 | T 27 |
| W28 | 0 28 59 | 5°32'25 | 7♊13 | 1°15 | 17° 5 | 14° 6 | 5°10 | 10°55 | 4° 1 | 14°43 | 7°54 | 23°28 | 22°50 | 23°57 | 26° 6 | W28 |
| T 29 | 0 32 56 | 6°30'48 | 20°35 | 2°25 | 17°41 | 14°43 | 5°19 | 10°57 | 4° 4 | 14°44 | 7°56 | 23°27 | 22°46 | 24° 4 | 26° 7 | T 29 |
| F 30 | 0 36 52 | 7♎29'13 | 4♋15 | 3♏34 | 18♏16 | 15♌21 | 5♌29 | 11♋ 0 | 4♎ 8 | 14♑44 | 7♏58 | 23°D26 | 22♓43 | 24♒11 | 26♊ 7 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 8n 0 | 26n59 | 5n 8 | 5n 4 | 1n21 | 11s33 | 1s57 | 21n24 | 0n44 | 20n 2 | 0n 3 | 21n53 | 1s 7 | 0s16 | 0n43 | 21s29 | 1n 1 | 2n 3 | 16n44 | 2s32 | 2s16 | 17s 7 | 17n42 | 5s33 |
| F 2 | 7 38 | 28 27 | 5 17 | 4 17 | 1 16 | 12 0 | 2 3 | 21 17 | 0 44 | 20 0 | 0 3 | 21 53 | 1 7 | 0 17 | 0 43 | 21 29 | 1 1 | 2 2 | 16 43 | 2 32 | 2 17 | 17 4 | 17 41 | 5 34 |
| S 3 | 7 16 | 28 10 | 5 6 | 3 29 | 1 10 | 12 26 | 2 10 | 21 10 | 0 45 | 19 57 | 0 3 | 21 53 | 1 7 | 0 18 | 0 43 | 21 29 | 1 1 | 2 1 | 16 43 | 2 32 | 2 19 | 17 1 | 17 41 | 5 34 |
| S 4 | 6 54 | 25 58 | 4 37 | 2 42 | 1 4 | 12 52 | 2 17 | 21 3 | 0 46 | 19 55 | 0 3 | 21 52 | 1 7 | 0 20 | 0 43 | 21 29 | 1 0 | 2 0 | 16 42 | 2 33 | 2 20 | 16 59 | 17 40 | 5 34 |
| M 5 | 6 32 | 21 59 | 3 48 | 1 55 | 0 58 | 13 18 | 2 23 | 20 56 | 0 47 | 19 53 | 0 3 | 21 52 | 1 7 | 0 21 | 0 43 | 21 30 | 1 0 | 1 59 | 16 42 | 2 33 | 2 21 | 16 56 | 17 40 | 5 35 |
| T 6 | 6 10 | 16 32 | 2 44 | 1 8 | 0 52 | 13 44 | 2 30 | 20 48 | 0 47 | 19 50 | 0 4 | 21 52 | 1 7 | 0 23 | 0 43 | 21 30 | 1 0 | 1 58 | 16 41 | 2 34 | 2 22 | 16 53 | 17 40 | 5 35 |
| W 7 | 5 48 | 10 2 | 1 27 | 0 22 | 0 45 | 14 9 | 2 37 | 20 41 | 0 48 | 19 48 | 0 4 | 21 51 | 1 7 | 0 24 | 0 43 | 21 30 | 1 0 | 1 58 | 16 41 | 2 34 | 2 24 | 16 50 | 17 39 | 5 36 |
| T 8 | 5 26 | 3 0 | 0 5 | 0s24 | 0 38 | 14 35 | 2 44 | 20 33 | 0 49 | 19 45 | 0 4 | 21 51 | 1 7 | 0 26 | 0 43 | 21 30 | 1 0 | 1 57 | 16 40 | 2 34 | 2 25 | 16 47 | 17 39 | 5 36 |
| F 9 | 5 3 | 4s 6 | 1s17 | 1 10 | 0 31 | 15 0 | 2 51 | 20 25 | 0 50 | 19 43 | 0 4 | 21 51 | 1 7 | 0 27 | 0 43 | 21 30 | 1 0 | 1 56 | 16 40 | 2 34 | 2 26 | 16 44 | 17 38 | 5 37 |
| S 10 | 4 41 | 10 51 | 2 31 | 1 55 | 0 24 | 15 24 | 2 58 | 20 17 | 0 50 | 19 40 | 0 4 | 21 50 | 1 7 | 0 29 | 0 43 | 21 30 | 1 0 | 1 55 | 16 40 | 2 34 | 2 27 | 16 41 | 17 38 | 5 37 |
| S 11 | 4 18 | 16 50 | 3 35 | 2 40 | 0 16 | 15 48 | 3 5 | 20 9 | 0 51 | 19 38 | 0 4 | 21 50 | 1 7 | 0 30 | 0 43 | 21 30 | 1 0 | 1 54 | 16 39 | 2 34 | 2 29 | 16 39 | 17 38 | 5 38 |
| M12 | 3 56 | 21 48 | 4 24 | 3 24 | 0 9 | 16 12 | 3 12 | 20 0 | 0 52 | 19 36 | 0 4 | 21 50 | 1 7 | 0 32 | 0 43 | 21 30 | 1 0 | 1 53 | 16 39 | 2 33 | 2 30 | 16 36 | 17 37 | 5 38 |
| T 13 | 3 33 | 25 30 | 4 57 | 4 8 | 0 1 | 16 36 | 3 19 | 19 52 | 0 52 | 19 33 | 0 4 | 21 49 | 1 7 | 0 33 | 0 43 | 21 30 | 1 0 | 1 52 | 16 38 | 2 33 | 2 31 | 16 33 | 17 37 | 5 39 |
| W14 | 3 10 | 27 46 | 5 15 | 4 52 | 0s 7 | 16 59 | 3 26 | 19 43 | 0 53 | 19 31 | 0 4 | 21 49 | 1 7 | 0 35 | 0 43 | 21 30 | 1 0 | 1 51 | 16 38 | 2 33 | 2 32 | 16 30 | 17 36 | 5 39 |
| T 15 | 2 47 | 28 35 | 5 16 | 5 34 | 0 15 | 17 22 | 3 33 | 19 35 | 0 54 | 19 28 | 0 4 | 21 49 | 1 7 | 0 36 | 0 43 | 21 31 | 1 0 | 1 50 | 16 38 | 2 33 | 2 34 | 16 27 | 17 36 | 5 40 |
| F 16 | 2 25 | 27 57 | 5 4 | 6 17 | 0 23 | 17 45 | 3 41 | 19 26 | 0 55 | 19 26 | 0 5 | 21 48 | 1 7 | 0 38 | 0 43 | 21 31 | 1 0 | 1 49 | 16 37 | 2 33 | 2 35 | 16 24 | 17 35 | 5 40 |
| S 17 | 2 2 | 26 1 | 4 38 | 6 58 | 0 31 | 18 7 | 3 48 | 19 17 | 0 55 | 19 24 | 0 5 | 21 48 | 1 7 | 0 39 | 0 43 | 21 31 | 1 0 | 1 48 | 16 37 | 2 33 | 2 36 | 16 21 | 17 35 | 5 40 |
| S 18 | 1 39 | 22 58 | 4 0 | 7 39 | 0 40 | 18 29 | 3 55 | 19 8 | 0 56 | 19 21 | 0 5 | 21 48 | 1 7 | 0 41 | 0 43 | 21 31 | 1 0 | 1 47 | 16 36 | 2 33 | 2 37 | 16 18 | 17 35 | 5 41 |
| M19 | 1 16 | 18 58 | 3 13 | 8 19 | 0 48 | 18 51 | 4 2 | 18 59 | 0 57 | 19 19 | 0 5 | 21 47 | 1 7 | 0 42 | 0 43 | 21 31 | 1 0 | 1 47 | 16 36 | 2 33 | 2 39 | 16 15 | 17 34 | 5 41 |
| T 20 | 0 53 | 14 15 | 2 17 | 8 59 | 0 56 | 19 12 | 4 9 | 18 50 | 0 58 | 19 17 | 0 5 | 21 47 | 1 7 | 0 43 | 0 43 | 21 31 | 1 0 | 1 46 | 16 36 | 2 33 | 2 40 | 16 12 | 17 34 | 5 42 |
| W21 | 0 30 | 8 59 | 1 15 | 9 37 | 1 5 | 19 32 | 4 17 | 18 40 | 0 58 | 19 14 | 0 5 | 21 47 | 1 7 | 0 45 | 0 43 | 21 31 | 1 0 | 1 45 | 16 35 | 2 33 | 2 41 | 16 10 | 17 33 | 5 42 |
| T 22 | 0 7 | 3 22 | 0 9 | 10 15 | 1 13 | 19 53 | 4 24 | 18 31 | 0 59 | 19 12 | 0 5 | 21 46 | 1 7 | 0 46 | 0 43 | 21 31 | 1 0 | 1 44 | 16 35 | 2 33 | 2 42 | 16 7 | 17 33 | 5 43 |
| F 23 | 0s16 | 2n26 | 0n57 | 10 53 | 1 21 | 20 13 | 4 31 | 18 21 | 1 0 | 19 10 | 0 5 | 21 46 | 1 8 | 0 48 | 0 43 | 21 31 | 1 0 | 1 43 | 16 35 | 2 33 | 2 44 | 16 4 | 17 32 | 5 43 |
| S 24 | 0 39 | 8 13 | 2 2 | 11 29 | 1 30 | 20 32 | 4 38 | 18 11 | 1 1 | 19 7 | 0 5 | 21 46 | 1 8 | 0 49 | 0 43 | 21 31 | 1 0 | 1 42 | 16 34 | 2 33 | 2 45 | 16 1 | 17 32 | 5 44 |
| S 25 | 1 2 | 13 46 | 3 2 | 12 5 | 1 38 | 20 51 | 4 45 | 18 2 | 1 1 | 19 5 | 0 6 | 21 46 | 1 8 | 0 51 | 0 43 | 21 31 | 1 0 | 1 41 | 16 34 | 2 33 | 2 46 | 15 58 | 17 31 | 5 44 |
| M26 | 1 25 | 18 51 | 3 55 | 12 39 | 1 46 | 21 9 | 4 53 | 17 52 | 1 2 | 19 3 | 0 6 | 21 45 | 1 8 | 0 52 | 0 43 | 21 31 | 1 0 | 1 40 | 16 34 | 2 34 | 2 47 | 15 55 | 17 31 | 5 45 |
| T 27 | 1 48 | 23 9 | 4 36 | 13 13 | 1 55 | 21 27 | 5 0 | 17 42 | 1 3 | 19 1 | 0 6 | 21 45 | 1 8 | 0 54 | 0 43 | 21 31 | 1 0 | 1 39 | 16 33 | 2 34 | 2 49 | 15 52 | 17 30 | 5 45 |
| W28 | 2 11 | 26 24 | 5 4 | 13 46 | 2 3 | 21 45 | 5 7 | 17 32 | 1 4 | 18 58 | 0 6 | 21 45 | 1 8 | 0 55 | 0 43 | 21 31 | 1 0 | 1 38 | 16 33 | 2 35 | 2 50 | 15 49 | 17 30 | 5 46 |
| T 29 | 2 34 | 28 14 | 5 16 | 14 18 | 2 11 | 22 2 | 5 14 | 17 22 | 1 4 | 18 56 | 0 6 | 21 44 | 1 8 | 0 57 | 0 43 | 21 31 | 0 59 | 1 37 | 16 33 | 2 35 | 2 51 | 15 46 | 17 29 | 5 46 |
| F 30 | 2s57 | 28n26 | 5n11 | 14s49 | 2s18 | 22s19 | 5s21 | 17n11 | 1n 5 | 18n54 | 0n 6 | 21n44 | 1s 8 | 0s58 | 0n43 | 21s31 | 0n59 | 1n36 | 16n33 | 2s36 | 2s52 | 15s43 | 17n29 | 5s47 |

Julian Day Number = 2807534.5, Delta T = 52m09s
Ecliptic obliquity = 23°18'56, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°23'02, Lahiri = 37°30'02


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# ASTRODIENST EPHEMERIS for the year 2974
# geocentric

## OCTOBER 2974 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 40 49 | 8♎27'40 | 18♋11 | 4♏40 | 18♏50 | 15♌58 | 5♌38 | 11♋ 2 | 4♎12 | 14♉44 | 8♏ 0 | 23♓26 | 22♓40 | 24♒17 | 26♊ 7 | S 1 |
| S 2 | 0 44 45 | 9°26'09 | 2♌24 | 5°44 | 19°22 | 16°35 | 5°48 | 11° 5 | 4°16 | 14°44 | 8° 2 | 23°27 | 22°37 | 24°24 | 26°R 7 | S 2 |
| M 3 | 0 48 42 | 10°24'41 | 16°51 | 6°46 | 19°52 | 17°12 | 5°57 | 11° 7 | 4°19 | 14°44 | 8° 4 | 23°28 | 22°34 | 24°31 | 26° 7 | M 3 |
| T 4 | 0 52 39 | 11°23'14 | 1♍30 | 7°46 | 20°22 | 17°50 | 6° 6 | 11° 9 | 4°23 | 14°44 | 8° 7 | 23°30 | 22°31 | 24°37 | 26° 7 | T 4 |
| W 5 | 0 56 35 | 12°21'50 | 16°15 | 8°43 | 20°50 | 18°27 | 6°15 | 11°11 | 4°27 | 14°45 | 8° 9 | 23°R30 | 22°27 | 24°44 | 26° 7 | W 5 |
| T 6 | 1 0 32 | 13°20'27 | 1♎ 0 | 9°37 | 21°16 | 19° 3 | 6°23 | 11°13 | 4°31 | 14°45 | 8°11 | 23°30 | 22°24 | 24°51 | 26° 6 | T 6 |
| F 7 | 1 4 28 | 14°19'06 | 15°38 | 10°28 | 21°40 | 19°40 | 6°32 | 11°15 | 4°34 | 14°45 | 8°13 | 23°29 | 22°21 | 24°57 | 26° 6 | F 7 |
| S 8 | 1 8 25 | 15°17'48 | 0♏ 2 | 11°16 | 22° 3 | 20°17 | 6°40 | 11°17 | 4°38 | 14°46 | 8°16 | 23°27 | 22°18 | 25° 4 | 26° 6 | S 8 |
| S 9 | 1 12 21 | 16°16'31 | 14° 7 | 12° 0 | 22°25 | 20°54 | 6°49 | 11°18 | 4°42 | 14°46 | 8°18 | 23°24 | 22°15 | 25°11 | 26° 5 | S 9 |
| M10 | 1 16 18 | 17°15'16 | 27°49 | 12°40 | 22°44 | 21°30 | 6°57 | 11°20 | 4°46 | 14°47 | 8°20 | 23°21 | 22°11 | 25°17 | 26° 5 | M10 |
| T 11 | 1 20 14 | 18°14'02 | 11♐ 6 | 13°17 | 23° 1 | 22° 7 | 7° 5 | 11°21 | 4°49 | 14°47 | 8°22 | 23°17 | 22° 8 | 25°24 | 26° 4 | T 11 |
| W12 | 1 24 11 | 19°12'51 | 24° 0 | 13°49 | 23°17 | 22°43 | 7°13 | 11°23 | 4°53 | 14°48 | 8°25 | 23°14 | 22° 5 | 25°31 | 26° 3 | W12 |
| T 13 | 1 28 8 | 20°11'41 | 6♑32 | 14°16 | 23°31 | 23°19 | 7°21 | 11°24 | 4°57 | 14°48 | 8°27 | 23°12 | 22° 2 | 25°37 | 26° 3 | T 13 |
| F 14 | 1 32 4 | 21°10'33 | 18°46 | 14°37 | 23°42 | 23°56 | 7°29 | 11°25 | 5° 1 | 14°49 | 8°29 | 23°D11 | 21°59 | 25°44 | 26° 2 | F 14 |
| S 15 | 1 36 1 | 22° 9'26 | 0♒47 | 14°54 | 23°51 | 24°32 | 7°36 | 11°26 | 5° 4 | 14°49 | 8°32 | 23°12 | 21°56 | 25°51 | 26° 1 | S 15 |
| S 16 | 1 39 57 | 23° 8'21 | 12°40 | 15° 4 | 23°59 | 25° 8 | 7°44 | 11°27 | 5° 8 | 14°50 | 8°34 | 23°13 | 21°52 | 25°57 | 26° 0 | S 16 |
| M17 | 1 43 54 | 24° 7'18 | 24°29 | 15°R 7 | 24° 4 | 25°44 | 7°51 | 11°28 | 5°11 | 14°51 | 8°36 | 23°15 | 21°49 | 26° 4 | 25°59 | M17 |
| T 18 | 1 47 50 | 25° 6'17 | 6♓19 | 15° 4 | 24° 6 | 26°20 | 7°58 | 11°28 | 5°15 | 14°51 | 8°39 | 23°16 | 21°46 | 26°11 | 25°58 | T 18 |
| W19 | 1 51 47 | 26° 5'17 | 18°15 | 14°53 | 24°R 7 | 26°55 | 8° 5 | 11°29 | 5°19 | 14°52 | 8°41 | 23°R17 | 21°43 | 26°17 | 25°57 | W19 |
| T 20 | 1 55 43 | 27° 4'19 | 0♈20 | 14°34 | 24° 5 | 27°31 | 8°12 | 11°29 | 5°22 | 14°53 | 8°43 | 23°17 | 21°40 | 26°24 | 25°56 | T 20 |
| F 21 | 1 59 40 | 28° 3'23 | 12°36 | 14° 8 | 24° 0 | 28° 7 | 8°19 | 11°29 | 5°26 | 14°54 | 8°46 | 23°16 | 21°37 | 26°31 | 25°55 | F 21 |
| S 22 | 2 3 36 | 29° 2'28 | 25° 6 | 13°34 | 23°53 | 28°42 | 8°25 | 11°30 | 5°29 | 14°55 | 8°48 | 23°12 | 21°33 | 26°37 | 25°53 | S 22 |
| S 23 | 2 7 33 | 0♏ 1'36 | 7♉51 | 12°52 | 23°44 | 29°17 | 8°32 | 11°R30 | 5°33 | 14°55 | 8°50 | 23° 7 | 21°30 | 26°44 | 25°52 | S 23 |
| M24 | 2 11 30 | 1° 0'46 | 20°51 | 12° 2 | 23°32 | 29°53 | 8°38 | 11°30 | 5°36 | 14°56 | 8°53 | 23° 1 | 21°27 | 26°51 | 25°50 | M24 |
| T 25 | 2 15 26 | 1°59'58 | 4♊ 5 | 11° 5 | 23°18 | 0♍28 | 8°44 | 11°30 | 5°40 | 14°57 | 8°55 | 22°54 | 21°24 | 26°57 | 25°49 | T 25 |
| W26 | 2 19 23 | 2°59'12 | 17°31 | 10° 3 | 23° 2 | 1° 3 | 8°50 | 11°29 | 5°43 | 14°58 | 8°58 | 22°48 | 21°21 | 27° 4 | 25°47 | W26 |
| T 27 | 2 23 19 | 3°58'29 | 1♋ 9 | 8°55 | 22°43 | 1°38 | 8°56 | 11°29 | 5°47 | 14°59 | 9° 0 | 22°43 | 21°17 | 27°11 | 25°46 | T 27 |
| F 28 | 2 27 16 | 4°57'47 | 14°57 | 7°44 | 22°22 | 2°13 | 9° 2 | 11°29 | 5°50 | 15° 0 | 9° 2 | 22°39 | 21°14 | 27°17 | 25°44 | F 28 |
| S 29 | 2 31 12 | 5°57'08 | 28°54 | 6°32 | 21°59 | 2°48 | 9° 7 | 11°28 | 5°54 | 15° 1 | 9° 5 | 22°37 | 21°11 | 27°24 | 25°42 | S 29 |
| S 30 | 2 35 9 | 6°56'31 | 12♌58 | 5°20 | 21°34 | 3°22 | 9°12 | 11°27 | 5°57 | 15° 2 | 9° 7 | 22°D37 | 21° 8 | 27°31 | 25°40 | S 30 |
| M31 | 2 39 6 | 7♏55'57 | 27♌ 9 | 4♏10 | 21♏ 6 | 3♍57 | 9♌18 | 11♋27 | 6♎ 1 | 15♉ 3 | 9♏10 | 22♓38 | 21♓ 5 | 27♒37 | 25♊38 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3 s20 | 26n50 | 4n48 | 15 s18 | 2 s26 | 22 s35 | 5 s28 | 17n 1 | 1n 6 | 18n52 | 0n 6 | 21n44 | 1 s 8 | 1 s 0 | 0n43 | 21 s31 | 0n59 | 1n36 | 16n32 | 2 s35 | 2 s54 | 15 s40 | 17n28 | 5 s47 |
| S 2 | 3 43 | 23 31 | 4 6 | 15 47 | 2 34 | 22 50 | 5 34 | 16 51 | 1 7 | 18 50 | 0 6 | 21 44 | 1 8 | 1 1 | 0 43 | 21 31 | 0 59 | 1 35 | 16 32 | 2 35 | 2 55 | 15 37 | 17 28 | 5 48 |
| M 3 | 4 6 | 18 42 | 3 9 | 16 14 | 2 41 | 23 5 | 5 41 | 16 40 | 1 7 | 18 48 | 0 7 | 21 44 | 1 8 | 1 3 | 0 43 | 21 31 | 0 59 | 1 34 | 16 32 | 2 35 | 2 56 | 15 34 | 17 28 | 5 48 |
| T 4 | 4 29 | 12 44 | 1 59 | 16 40 | 2 48 | 23 20 | 5 48 | 16 30 | 1 8 | 18 46 | 0 7 | 21 43 | 1 8 | 1 4 | 0 43 | 21 31 | 0 59 | 1 33 | 16 31 | 2 34 | 2 57 | 15 31 | 17 27 | 5 49 |
| W 5 | 4 52 | 6 1 | 0 40 | 17 5 | 2 55 | 23 33 | 5 54 | 16 19 | 1 9 | 18 43 | 0 7 | 21 43 | 1 8 | 1 6 | 0 43 | 21 31 | 0 59 | 1 32 | 16 31 | 2 34 | 2 59 | 15 28 | 17 27 | 5 49 |
| T 6 | 5 14 | 1 s 2 | 0 s41 | 17 29 | 3 1 | 23 47 | 6 1 | 16 8 | 1 10 | 18 41 | 0 7 | 21 43 | 1 8 | 1 7 | 0 43 | 21 31 | 0 59 | 1 31 | 16 31 | 2 34 | 3 0 | 15 25 | 17 26 | 5 50 |
| F 7 | 5 37 | 7 57 | 1 59 | 17 51 | 3 7 | 23 59 | 6 7 | 15 57 | 1 10 | 18 39 | 0 7 | 21 43 | 1 8 | 1 9 | 0 43 | 21 31 | 0 59 | 1 30 | 16 31 | 2 34 | 3 1 | 15 22 | 17 26 | 5 50 |
| S 8 | 6 0 | 14 21 | 3 8 | 18 11 | 3 13 | 24 11 | 6 13 | 15 47 | 1 11 | 18 37 | 0 7 | 21 43 | 1 8 | 1 10 | 0 43 | 21 31 | 0 59 | 1 29 | 16 31 | 2 35 | 3 2 | 15 19 | 17 25 | 5 51 |
| S 9 | 6 22 | 19 52 | 4 4 | 18 30 | 3 18 | 24 22 | 6 19 | 15 36 | 1 12 | 18 35 | 0 7 | 21 42 | 1 8 | 1 12 | 0 43 | 21 31 | 0 59 | 1 28 | 16 30 | 2 36 | 3 4 | 15 16 | 17 25 | 5 51 |
| M10 | 6 45 | 24 11 | 4 44 | 18 47 | 3 23 | 24 33 | 6 24 | 15 25 | 1 13 | 18 33 | 0 7 | 21 42 | 1 8 | 1 13 | 0 43 | 21 31 | 0 59 | 1 28 | 16 30 | 2 38 | 3 5 | 15 13 | 17 24 | 5 51 |
| T 11 | 7 7 | 27 4 | 5 7 | 19 2 | 3 27 | 24 43 | 6 30 | 15 14 | 1 14 | 18 32 | 0 7 | 21 42 | 1 8 | 1 15 | 0 43 | 21 31 | 0 59 | 1 27 | 16 30 | 2 39 | 3 6 | 15 10 | 17 24 | 5 52 |
| W12 | 7 29 | 28 25 | 5 14 | 19 16 | 3 31 | 24 52 | 6 35 | 15 3 | 1 14 | 18 30 | 0 8 | 21 42 | 1 8 | 1 16 | 0 43 | 21 31 | 0 59 | 1 26 | 16 30 | 2 40 | 3 7 | 15 7 | 17 23 | 5 52 |
| T 13 | 7 51 | 28 15 | 5 6 | 19 26 | 3 34 | 25 0 | 6 40 | 14 51 | 1 15 | 18 28 | 0 8 | 21 42 | 1 8 | 1 18 | 0 43 | 21 31 | 0 59 | 1 25 | 16 30 | 2 41 | 3 9 | 15 4 | 17 23 | 5 53 |
| F 14 | 8 13 | 26 41 | 4 44 | 19 35 | 3 36 | 25 8 | 6 45 | 14 40 | 1 16 | 18 26 | 0 8 | 21 42 | 1 8 | 1 19 | 0 43 | 21 31 | 0 59 | 1 24 | 16 29 | 2 41 | 3 10 | 15 1 | 17 22 | 5 53 |
| S 15 | 8 35 | 23 56 | 4 9 | 19 41 | 3 38 | 25 14 | 6 49 | 14 29 | 1 17 | 18 24 | 0 8 | 21 41 | 1 8 | 1 20 | 0 43 | 21 31 | 0 59 | 1 23 | 16 29 | 2 41 | 3 11 | 14 58 | 17 22 | 5 54 |
| S 16 | 8 57 | 20 11 | 3 24 | 19 44 | 3 38 | 25 20 | 6 53 | 14 18 | 1 17 | 18 22 | 0 8 | 21 41 | 1 8 | 1 22 | 0 43 | 21 31 | 0 59 | 1 22 | 16 29 | 2 41 | 3 12 | 14 55 | 17 21 | 5 54 |
| M17 | 9 19 | 15 40 | 2 31 | 19 45 | 3 37 | 25 25 | 6 57 | 14 6 | 1 18 | 18 21 | 0 8 | 21 41 | 1 8 | 1 23 | 0 43 | 21 31 | 0 59 | 1 22 | 16 29 | 2 40 | 3 14 | 14 52 | 17 21 | 5 55 |
| T 18 | 9 40 | 10 34 | 1 32 | 19 42 | 3 35 | 25 29 | 7 0 | 13 55 | 1 19 | 18 19 | 0 8 | 21 41 | 1 8 | 1 25 | 0 43 | 21 31 | 0 59 | 1 21 | 16 29 | 2 39 | 3 15 | 14 49 | 17 20 | 5 55 |
| W19 | 10 1 | 5 3 | 0 28 | 19 36 | 3 32 | 25 32 | 7 3 | 13 44 | 1 20 | 18 17 | 0 9 | 21 41 | 1 9 | 1 26 | 0 43 | 21 31 | 0 59 | 1 20 | 16 29 | 2 39 | 3 16 | 14 46 | 17 20 | 5 56 |
| T 20 | 10 23 | 0n43 | 0n38 | 19 26 | 3 27 | 25 34 | 7 6 | 13 32 | 1 21 | 18 16 | 0 9 | 21 41 | 1 9 | 1 28 | 0 43 | 21 31 | 0 59 | 1 19 | 16 29 | 2 39 | 3 17 | 14 43 | 17 19 | 5 56 |
| F 21 | 10 44 | 6 33 | 1 43 | 19 12 | 3 21 | 25 34 | 7 8 | 13 21 | 1 21 | 18 14 | 0 9 | 21 41 | 1 9 | 1 29 | 0 43 | 21 31 | 0 59 | 1 18 | 16 28 | 2 40 | 3 19 | 14 40 | 17 19 | 5 57 |
| S 22 | 11 5 | 12 13 | 2 45 | 18 54 | 3 13 | 25 34 | 7 9 | 13 9 | 1 22 | 18 12 | 0 9 | 21 41 | 1 9 | 1 30 | 0 43 | 21 31 | 0 59 | 1 18 | 16 28 | 2 41 | 3 20 | 14 37 | 17 18 | 5 57 |
| S 23 | 11 25 | 17 30 | 3 39 | 18 32 | 3 4 | 25 32 | 7 10 | 12 57 | 1 23 | 18 11 | 0 9 | 21 41 | 1 9 | 1 32 | 0 43 | 21 31 | 0 58 | 1 17 | 16 28 | 2 43 | 3 21 | 14 34 | 17 18 | 5 57 |
| M24 | 11 46 | 22 6 | 4 23 | 18 6 | 2 52 | 25 30 | 7 10 | 12 46 | 1 24 | 18 9 | 0 9 | 21 41 | 1 9 | 1 33 | 0 43 | 21 31 | 0 58 | 1 16 | 16 28 | 2 45 | 3 22 | 14 31 | 17 17 | 5 58 |
| T 25 | 12 6 | 25 39 | 4 53 | 17 36 | 2 39 | 25 26 | 7 10 | 12 34 | 1 25 | 18 8 | 0 9 | 21 41 | 1 9 | 1 35 | 0 43 | 21 31 | 0 58 | 1 15 | 16 28 | 2 48 | 3 24 | 14 28 | 17 17 | 5 58 |
| W26 | 12 27 | 27 51 | 5 8 | 17 2 | 2 24 | 25 21 | 7 9 | 12 23 | 1 25 | 18 7 | 0 9 | 21 41 | 1 9 | 1 36 | 0 43 | 21 31 | 0 58 | 1 14 | 16 28 | 2 51 | 3 25 | 14 25 | 17 16 | 5 59 |
| T 27 | 12 47 | 28 25 | 5 6 | 16 25 | 2 8 | 25 14 | 7 7 | 12 11 | 1 26 | 18 5 | 0 10 | 21 41 | 1 9 | 1 37 | 0 43 | 21 31 | 0 58 | 1 14 | 16 28 | 2 53 | 3 26 | 14 22 | 17 16 | 5 59 |
| F 28 | 13 7 | 27 14 | 4 47 | 15 45 | 1 49 | 25 6 | 7 5 | 11 59 | 1 27 | 18 4 | 0 10 | 21 41 | 1 9 | 1 39 | 0 43 | 21 31 | 0 58 | 1 13 | 16 28 | 2 54 | 3 27 | 14 19 | 17 15 | 6 0 |
| S 29 | 13 26 | 24 21 | 4 10 | 15 3 | 1 30 | 24 57 | 7 2 | 11 47 | 1 28 | 18 3 | 0 10 | 21 41 | 1 9 | 1 40 | 0 43 | 21 31 | 0 58 | 1 12 | 16 28 | 2 55 | 3 29 | 14 16 | 17 15 | 6 0 |
| S 30 | 13 46 | 20 0 | 3 18 | 14 20 | 1 10 | 24 47 | 6 58 | 11 36 | 1 29 | 18 1 | 0 10 | 21 41 | 1 9 | 1 41 | 0 43 | 21 30 | 0 58 | 1 11 | 16 28 | 2 55 | 3 30 | 14 13 | 17 14 | 6 0 |
| M31 | 14 s 5 | 14n29 | 2n14 | 13 s37 | 0 s50 | 24 s35 | 6 s53 | 11n24 | 1n29 | 18n 0 | 0n10 | 21n41 | 1 s 9 | 1 s43 | 0n43 | 21 s30 | 0n58 | 1n11 | 16n28 | 2 s54 | 3 s31 | 14 s10 | 17n14 | 6 s 1 |

Julian Day Number = 2807564.5, Delta T = 52m10s
Ecliptic obliquity = 23°18'56, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°23'06, Lahiri = 37°30'06


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# ASTRODIENST EPHEMERIS for the year 2974
# geocentric

## NOVEMBER 2974 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 43 2 | 8♏55'24 | 11♍26 | 3°R 5 | 20°R37 | 4♍31 | 9♌22 | 11°R26 | 6♎ 4 | 15♉ 5 | 9♏12 | 22♓39 | 21♓ 2 | 27♒44 | 25°R36 | T 1 |
| W 2 | 2 46 59 | 9°54'54 | 25°45 | 2♏ 7 | 20♏ 7 | 5° 6 | 9°27 | 11♋25 | 6° 7 | 15° 6 | 9°14 | 22°R40 | 20°58 | 27°50 | 25♊34 | W 2 |
| T 3 | 2 50 55 | 10°54'26 | 10♎ 4 | 1°16 | 19°35 | 5°40 | 9°32 | 11°24 | 6°11 | 15° 7 | 9°17 | 22°39 | 20°55 | 27°57 | 25°32 | T 3 |
| F 4 | 2 54 52 | 11°54'00 | 24°18 | 0°36 | 19° 1 | 6°14 | 9°36 | 11°22 | 6°14 | 15° 8 | 9°19 | 22°35 | 20°52 | 28° 4 | 25°30 | F 4 |
| S 5 | 2 58 48 | 12°53'37 | 8♏23 | 0° 5 | 18°27 | 6°48 | 9°41 | 11°21 | 6°17 | 15° 9 | 9°22 | 22°29 | 20°49 | 28°10 | 25°28 | S 5 |
| S 6 | 3 2 45 | 13°53'15 | 22°15 | 29♎46 | 17°51 | 7°22 | 9°45 | 11°20 | 6°20 | 15°11 | 9°24 | 22°21 | 20°46 | 28°17 | 25°26 | S 6 |
| M 7 | 3 6 41 | 14°52'55 | 5♐48 | 29°D38 | 17°15 | 7°56 | 9°49 | 11°18 | 6°23 | 15°12 | 9°26 | 22°12 | 20°43 | 28°24 | 25°23 | M 7 |
| T 8 | 3 10 38 | 15°52'38 | 19° 2 | 29°41 | 16°39 | 8°29 | 9°52 | 11°16 | 6°27 | 15°13 | 9°29 | 22° 3 | 20°39 | 28°30 | 25°21 | T 8 |
| W 9 | 3 14 34 | 16°52'22 | 1♑55 | 29°56 | 16° 2 | 9° 3 | 9°56 | 11°15 | 6°30 | 15°15 | 9°31 | 21°54 | 20°36 | 28°37 | 25°19 | W 9 |
| T 10 | 3 18 31 | 17°52'07 | 14°27 | 0♏20 | 15°26 | 9°36 | 9°59 | 11°13 | 6°33 | 15°16 | 9°34 | 21°47 | 20°33 | 28°44 | 25°16 | T 10 |
| F 11 | 3 22 28 | 18°51'55 | 26°42 | 0°54 | 14°49 | 10°10 | 10° 3 | 11°11 | 6°36 | 15°18 | 9°36 | 21°42 | 20°30 | 28°50 | 25°14 | F 11 |
| S 12 | 3 26 24 | 19°51'43 | 8♒43 | 1°37 | 14°14 | 10°43 | 10° 6 | 11° 9 | 6°39 | 15°19 | 9°38 | 21°39 | 20°27 | 28°57 | 25°11 | S 12 |
| S 13 | 3 30 21 | 20°51'34 | 20°35 | 2°28 | 13°39 | 11°16 | 10° 8 | 11° 7 | 6°42 | 15°20 | 9°41 | 21°D38 | 20°23 | 29° 4 | 25° 9 | S 13 |
| M14 | 3 34 17 | 21°51'26 | 2♓24 | 3°25 | 13° 5 | 11°49 | 10°11 | 11° 4 | 6°45 | 15°22 | 9°43 | 21°39 | 20°20 | 29°10 | 25° 6 | M14 |
| T 15 | 3 38 14 | 22°51'20 | 14°14 | 4°29 | 12°32 | 12°21 | 10°13 | 11° 2 | 6°48 | 15°24 | 9°45 | 21°40 | 20°17 | 29°17 | 25° 3 | T 15 |
| W16 | 3 42 10 | 23°51'15 | 26°12 | 5°39 | 12° 1 | 12°54 | 10°16 | 11° 0 | 6°51 | 15°25 | 9°48 | 21°R40 | 20°14 | 29°24 | 25° 0 | W16 |
| T 17 | 3 46 7 | 24°51'12 | 8♈21 | 6°53 | 11°32 | 13°27 | 10°18 | 10°57 | 6°53 | 15°27 | 9°50 | 21°38 | 20°11 | 29°30 | 24°58 | T 17 |
| F 18 | 3 50 3 | 25°51'11 | 20°46 | 8°11 | 11° 4 | 13°59 | 10°20 | 10°54 | 6°56 | 15°28 | 9°53 | 21°34 | 20° 8 | 29°37 | 24°55 | F 18 |
| S 19 | 3 54 0 | 26°51'11 | 3♉29 | 9°32 | 10°38 | 14°31 | 10°21 | 10°52 | 6°59 | 15°30 | 9°55 | 21°28 | 20° 4 | 29°44 | 24°52 | S 19 |
| S 20 | 3 57 57 | 27°51'13 | 16°32 | 10°57 | 10°14 | 15° 3 | 10°23 | 10°49 | 7° 2 | 15°32 | 9°57 | 21°19 | 20° 1 | 29°50 | 24°49 | S 20 |
| M21 | 4 1 53 | 28°51'17 | 29°55 | 12°24 | 9°53 | 15°35 | 10°24 | 10°46 | 7° 4 | 15°33 | 9°59 | 21° 8 | 19°58 | 29°57 | 24°46 | M21 |
| T 22 | 4 5 50 | 29°51'23 | 13♊34 | 13°52 | 9°33 | 16° 7 | 10°25 | 10°43 | 7° 7 | 15°35 | 10° 2 | 20°57 | 19°55 | 0♓ 4 | 24°43 | T 22 |
| W23 | 4 9 46 | 0♐51'30 | 27°28 | 15°23 | 9°16 | 16°38 | 10°26 | 10°40 | 7°10 | 15°37 | 10° 4 | 20°46 | 19°52 | 0°10 | 24°40 | W23 |
| T 24 | 4 13 43 | 1°51'40 | 11♋31 | 16°55 | 9° 2 | 17°10 | 10°27 | 10°37 | 7°12 | 15°38 | 10° 6 | 20°36 | 19°49 | 0°17 | 24°37 | T 24 |
| F 25 | 4 17 39 | 2°51'51 | 25°39 | 18°27 | 8°50 | 17°41 | 10°27 | 10°33 | 7°15 | 15°40 | 10° 9 | 20°28 | 19°45 | 0°24 | 24°34 | F 25 |
| S 26 | 4 21 36 | 3°52'04 | 9♌49 | 20° 1 | 8°40 | 18°12 | 10°28 | 10°30 | 7°17 | 15°42 | 10°11 | 20°24 | 19°42 | 0°30 | 24°31 | S 26 |
| S 27 | 4 25 33 | 4°52'19 | 23°58 | 21°35 | 8°33 | 18°44 | 10°R28 | 10°26 | 7°20 | 15°44 | 10°13 | 20°22 | 19°39 | 0°37 | 24°28 | S 27 |
| M28 | 4 29 29 | 5°52'36 | 8♍ 4 | 23°10 | 8°29 | 19°14 | 10°28 | 10°23 | 7°22 | 15°46 | 10°15 | 20°D21 | 19°36 | 0°44 | 24°24 | M28 |
| T 29 | 4 33 26 | 6°52'56 | 22° 7 | 24°45 | 8°D27 | 19°45 | 10°27 | 10°19 | 7°25 | 15°47 | 10°18 | 20°R22 | 19°33 | 0°50 | 24°21 | T 29 |
| W30 | 4 37 22 | 7♐53'17 | 6♎ 6 | 26♏21 | 8♏27 | 20♍16 | 10♌27 | 10♋16 | 7♎27 | 15♉49 | 10♏20 | 20♓21 | 19♓29 | 0♓57 | 24♊18 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s24 | 8n10 | 1n 0 | 12s56 | 0s29 | 24s22 | 6s48 | 11n12 | 1n30 | 17n59 | 0n10 | 21n41 | 1s 9 | 1s44 | 0n44 | 21s30 | 0n58 | 1n10 | 16n28 | 2s54 | 3s32 | 14s 7 | 17n13 | 6s 1 |
| W 2 | 14 43 | 1 26 | 0s17 | 12 17 | 0 9 | 24 7 | 6 42 | 11 0 | 1 31 | 17 58 | 0 10 | 21 41 | 1 9 | 1 45 | 0 44 | 21 30 | 0 58 | 1 9 | 16 28 | 2 54 | 3 34 | 14 4 | 17 13 | 6 2 |
| T 3 | 15 1 | 5s23 | 1 32 | 11 41 | 0n11 | 23 52 | 6 35 | 10 49 | 1 32 | 17 57 | 0 11 | 21 41 | 1 9 | 1 46 | 0 44 | 21 30 | 0 58 | 1 9 | 16 28 | 2 54 | 3 35 | 14 1 | 17 13 | 6 2 |
| F 4 | 15 20 | 11 53 | 2 42 | 11 9 | 0 30 | 23 35 | 6 27 | 10 37 | 1 33 | 17 56 | 0 11 | 21 41 | 1 9 | 1 48 | 0 44 | 21 30 | 0 58 | 1 8 | 16 28 | 2 56 | 3 36 | 13 58 | 17 12 | 6 2 |
| S 5 | 15 38 | 17 42 | 3 41 | 10 43 | 0 47 | 23 17 | 6 18 | 10 25 | 1 33 | 17 55 | 0 11 | 21 41 | 1 9 | 1 49 | 0 44 | 21 30 | 0 58 | 1 7 | 16 28 | 2 58 | 3 37 | 13 55 | 17 12 | 6 3 |
| S 6 | 15 56 | 22 30 | 4 25 | 10 21 | 1 3 | 22 58 | 6 9 | 10 13 | 1 34 | 17 54 | 0 11 | 21 41 | 1 9 | 1 50 | 0 44 | 21 30 | 0 58 | 1 7 | 16 28 | 3 1 | 3 39 | 13 52 | 17 11 | 6 3 |
| M 7 | 16 13 | 25 59 | 4 54 | 10 5 | 1 17 | 22 38 | 5 59 | 10 1 | 1 35 | 17 53 | 0 11 | 21 41 | 1 9 | 1 51 | 0 44 | 21 30 | 0 58 | 1 6 | 16 28 | 3 5 | 3 40 | 13 48 | 17 11 | 6 4 |
| T 8 | 16 30 | 27 56 | 5 5 | 9 55 | 1 29 | 22 17 | 5 48 | 9 50 | 1 36 | 17 52 | 0 11 | 21 42 | 1 9 | 1 53 | 0 44 | 21 30 | 0 58 | 1 5 | 16 28 | 3 8 | 3 41 | 13 45 | 17 10 | 6 4 |
| W 9 | 16 47 | 28 19 | 5 1 | 9 50 | 1 40 | 21 55 | 5 37 | 9 38 | 1 37 | 17 51 | 0 11 | 21 42 | 1 9 | 1 54 | 0 44 | 21 29 | 0 58 | 1 5 | 16 28 | 3 12 | 3 42 | 13 42 | 17 10 | 6 4 |
| T 10 | 17 4 | 27 13 | 4 43 | 9 50 | 1 49 | 21 33 | 5 25 | 9 26 | 1 38 | 17 50 | 0 12 | 21 42 | 1 9 | 1 55 | 0 44 | 21 29 | 0 58 | 1 4 | 16 28 | 3 15 | 3 44 | 13 39 | 17 9 | 6 5 |
| F 11 | 17 21 | 24 49 | 4 11 | 9 55 | 1 56 | 21 10 | 5 12 | 9 14 | 1 38 | 17 50 | 0 12 | 21 42 | 1 9 | 1 56 | 0 44 | 21 29 | 0 58 | 1 3 | 16 28 | 3 17 | 3 45 | 13 36 | 17 9 | 6 5 |
| S 12 | 17 37 | 21 21 | 3 29 | 10 4 | 2 2 | 20 46 | 4 59 | 9 3 | 1 39 | 17 49 | 0 12 | 21 42 | 1 9 | 1 57 | 0 44 | 21 29 | 0 58 | 1 3 | 16 28 | 3 18 | 3 46 | 13 33 | 17 9 | 6 5 |
| S 13 | 17 53 | 17 3 | 2 38 | 10 17 | 2 6 | 20 23 | 4 45 | 8 51 | 1 40 | 17 48 | 0 12 | 21 42 | 1 9 | 1 58 | 0 44 | 21 29 | 0 58 | 1 2 | 16 28 | 3 18 | 3 47 | 13 30 | 17 8 | 6 6 |
| M14 | 18 8 | 12 9 | 1 41 | 10 34 | 2 9 | 19 59 | 4 31 | 8 39 | 1 41 | 17 48 | 0 12 | 21 42 | 1 9 | 2 0 | 0 44 | 21 29 | 0 58 | 1 2 | 16 28 | 3 18 | 3 49 | 13 27 | 17 8 | 6 6 |
| T 15 | 18 23 | 6 47 | 0 40 | 10 54 | 2 11 | 19 35 | 4 16 | 8 28 | 1 42 | 17 47 | 0 12 | 21 43 | 1 9 | 2 1 | 0 44 | 21 29 | 0 58 | 1 1 | 16 29 | 3 17 | 3 50 | 13 24 | 17 7 | 6 6 |
| W16 | 18 38 | 1 8 | 0n24 | 11 16 | 2 11 | 19 11 | 4 1 | 8 16 | 1 43 | 17 47 | 0 13 | 21 43 | 1 9 | 2 2 | 0 44 | 21 29 | 0 58 | 1 0 | 16 29 | 3 17 | 3 51 | 13 21 | 17 7 | 6 7 |
| T 17 | 18 53 | 4n38 | 1 28 | 11 41 | 2 11 | 18 48 | 3 46 | 8 4 | 1 44 | 17 46 | 0 13 | 21 43 | 1 9 | 2 3 | 0 44 | 21 28 | 0 58 | 1 0 | 16 29 | 3 18 | 3 52 | 13 18 | 17 6 | 6 7 |
| F 18 | 19 7 | 10 22 | 2 29 | 12 7 | 2 9 | 18 25 | 3 31 | 7 53 | 1 44 | 17 46 | 0 13 | 21 43 | 1 9 | 2 4 | 0 44 | 21 28 | 0 58 | 0 59 | 16 29 | 3 19 | 3 53 | 13 14 | 17 6 | 6 7 |
| S 19 | 19 21 | 15 48 | 3 23 | 12 35 | 2 7 | 18 2 | 3 16 | 7 41 | 1 45 | 17 46 | 0 13 | 21 43 | 1 9 | 2 5 | 0 44 | 21 28 | 0 57 | 0 59 | 16 29 | 3 22 | 3 55 | 13 11 | 17 6 | 6 8 |
| S 20 | 19 35 | 20 40 | 4 9 | 13 4 | 2 4 | 17 40 | 3 1 | 7 30 | 1 46 | 17 46 | 0 13 | 21 44 | 1 9 | 2 6 | 0 44 | 21 28 | 0 57 | 0 58 | 16 29 | 3 25 | 3 56 | 13 8 | 17 5 | 6 8 |
| M21 | 19 48 | 24 37 | 4 42 | 13 34 | 2 1 | 17 19 | 2 45 | 7 18 | 1 47 | 17 45 | 0 13 | 21 44 | 1 9 | 2 7 | 0 44 | 21 28 | 0 57 | 0 58 | 16 29 | 3 30 | 3 57 | 13 5 | 17 5 | 6 8 |
| T 22 | 20 1 | 27 16 | 4 59 | 14 4 | 1 57 | 16 58 | 2 30 | 7 7 | 1 48 | 17 45 | 0 13 | 21 44 | 1 9 | 2 8 | 0 44 | 21 28 | 0 57 | 0 57 | 16 30 | 3 34 | 3 58 | 13 2 | 17 4 | 6 9 |
| W23 | 20 13 | 28 17 | 5 0 | 14 35 | 1 52 | 16 39 | 2 15 | 6 55 | 1 49 | 17 45 | 0 14 | 21 44 | 1 9 | 2 9 | 0 44 | 21 27 | 0 57 | 0 57 | 16 30 | 3 39 | 4 0 | 12 59 | 17 4 | 6 9 |
| T 24 | 20 26 | 27 30 | 4 42 | 15 5 | 1 47 | 16 20 | 2 0 | 6 44 | 1 50 | 17 45 | 0 14 | 21 45 | 1 9 | 2 10 | 0 44 | 21 27 | 0 57 | 0 56 | 16 30 | 3 42 | 4 1 | 12 56 | 17 4 | 6 9 |
| F 25 | 20 37 | 24 57 | 4 7 | 15 36 | 1 41 | 16 2 | 1 46 | 6 32 | 1 51 | 17 45 | 0 14 | 21 45 | 1 9 | 2 11 | 0 44 | 21 27 | 0 57 | 0 56 | 16 30 | 3 45 | 4 2 | 12 53 | 17 3 | 6 9 |
| S 26 | 20 49 | 20 52 | 3 17 | 16 7 | 1 36 | 15 46 | 1 31 | 6 21 | 1 52 | 17 45 | 0 14 | 21 45 | 1 9 | 2 12 | 0 44 | 21 27 | 0 57 | 0 55 | 16 30 | 3 47 | 4 3 | 12 50 | 17 3 | 6 10 |
| S 27 | 21 0 | 15 35 | 2 15 | 16 37 | 1 30 | 15 30 | 1 17 | 6 10 | 1 52 | 17 45 | 0 14 | 21 45 | 1 9 | 2 13 | 0 44 | 21 27 | 0 57 | 0 55 | 16 31 | 3 48 | 4 5 | 12 46 | 17 2 | 6 10 |
| M28 | 21 11 | 9 30 | 1 5 | 17 7 | 1 23 | 15 15 | 1 3 | 5 59 | 1 53 | 17 45 | 0 14 | 21 46 | 1 9 | 2 14 | 0 44 | 21 27 | 0 57 | 0 54 | 16 31 | 3 48 | 4 6 | 12 43 | 17 2 | 6 10 |
| T 29 | 21 21 | 2 58 | 0s 9 | 17 37 | 1 17 | 15 2 | 0 49 | 5 48 | 1 54 | 17 46 | 0 15 | 21 46 | 1 9 | 2 15 | 0 44 | 21 26 | 0 57 | 0 54 | 16 31 | 3 48 | 4 7 | 12 40 | 17 2 | 6 10 |
| W30 | 21s31 | 3s40 | 1s22 | 18s 6 | 1n10 | 14s49 | 0s36 | 5n36 | 1n55 | 17n46 | 0n15 | 21n46 | 1s 9 | 2s16 | 0n44 | 21s26 | 0n57 | 0n54 | 16n31 | 3s48 | 4s 8 | 12s37 | 17n 1 | 6s11 |

Julian Day Number = 2807595.5, Delta T = 52m10s
Ecliptic obliquity = 23°18'56, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°23'10, Lahiri = 37°30'11


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# ASTRODIENST EPHEMERIS for the year 2974
# geocentric

## DECEMBER 2974 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 41 19 | 8♐53'39 | 20♎ 0 | 27♏57 | 8♏30 | 20♍46 | 10°R26 | 10°R12 | 7♎29 | 15♉51 | 10♏22 | 20°R18 | 19♓26 | 1♓ 3 | 24°R15 | T 1 |
| F 2 | 4 45 15 | 9°54'04 | 3♏47 | 29°32 | 8°35 | 21°16 | 10♌25 | 10♋ 8 | 7°31 | 15°53 | 10°24 | 20♓12 | 19°23 | 1°10 | 24♊11 | F 2 |
| S 3 | 4 49 12 | 10°54'31 | 17°27 | 1♑ 8 | 8°43 | 21°46 | 10°24 | 10° 4 | 7°34 | 15°55 | 10°26 | 20° 4 | 19°20 | 1°17 | 24° 8 | S 3 |
| S 4 | 4 53 8 | 11°54'59 | 0♑55 | 2°44 | 8°53 | 22°16 | 10°23 | 10° 0 | 7°36 | 15°57 | 10°28 | 19°52 | 19°17 | 1°23 | 24° 5 | S 4 |
| M 5 | 4 57 5 | 12°55'29 | 14°11 | 4°19 | 9° 5 | 22°46 | 10°21 | 9°56 | 7°38 | 15°59 | 10°31 | 19°39 | 19°14 | 1°30 | 24° 1 | M 5 |
| T 6 | 5 1 2 | 13°56'00 | 27°11 | 5°55 | 9°19 | 23°15 | 10°20 | 9°52 | 7°40 | 16° 1 | 10°33 | 19°25 | 19°10 | 1°37 | 23°58 | T 6 |
| W 7 | 5 4 58 | 14°56'33 | 9♉55 | 7°30 | 9°35 | 23°44 | 10°18 | 9°48 | 7°42 | 16° 3 | 10°35 | 19°12 | 19° 7 | 1°43 | 23°55 | W 7 |
| T 8 | 5 8 55 | 15°57'07 | 22°21 | 9° 6 | 9°53 | 24°13 | 10°16 | 9°43 | 7°44 | 16° 5 | 10°37 | 19° 1 | 19° 4 | 1°50 | 23°51 | T 8 |
| F 9 | 5 12 51 | 16°57'43 | 4♒33 | 10°41 | 10°13 | 24°42 | 10°13 | 9°39 | 7°46 | 16° 7 | 10°39 | 18°53 | 19° 1 | 1°57 | 23°48 | F 9 |
| S 10 | 5 16 48 | 17°58'19 | 16°33 | 12°16 | 10°35 | 25°11 | 10°11 | 9°35 | 7°48 | 16° 9 | 10°41 | 18°47 | 18°58 | 2° 3 | 23°44 | S 10 |
| S 11 | 5 20 44 | 18°58'57 | 28°24 | 13°51 | 10°59 | 25°39 | 10° 8 | 9°30 | 7°49 | 16°11 | 10°43 | 18°44 | 18°55 | 2°10 | 23°41 | S 11 |
| M12 | 5 24 41 | 19°59'36 | 10♓11 | 15°26 | 11°25 | 26° 7 | 10° 5 | 9°26 | 7°51 | 16°13 | 10°45 | 18°43 | 18°51 | 2°17 | 23°37 | M12 |
| T 13 | 5 28 37 | 21° 0'16 | 22° 0 | 17° 1 | 11°53 | 26°35 | 10° 2 | 9°21 | 7°53 | 16°15 | 10°47 | 18°43 | 18°48 | 2°23 | 23°34 | T 13 |
| W14 | 5 32 34 | 22° 0'56 | 3♈56 | 18°35 | 12°22 | 27° 3 | 9°59 | 9°17 | 7°55 | 16°17 | 10°49 | 18°42 | 18°45 | 2°30 | 23°30 | W14 |
| T 15 | 5 36 31 | 23° 1'38 | 16° 5 | 20°10 | 12°52 | 27°31 | 9°55 | 9°12 | 7°56 | 16°19 | 10°51 | 18°41 | 18°42 | 2°37 | 23°27 | T 15 |
| F 16 | 5 40 27 | 24° 2'21 | 28°32 | 21°44 | 13°24 | 27°58 | 9°52 | 9° 8 | 7°58 | 16°21 | 10°53 | 18°37 | 18°39 | 2°43 | 23°23 | F 16 |
| S 17 | 5 44 24 | 25° 3'05 | 11♉21 | 23°18 | 13°58 | 28°25 | 9°48 | 9° 3 | 7°59 | 16°24 | 10°55 | 18°30 | 18°35 | 2°50 | 23°20 | S 17 |
| S 18 | 5 48 20 | 26° 3'50 | 24°35 | 24°53 | 14°33 | 28°52 | 9°44 | 8°58 | 8° 1 | 16°26 | 10°56 | 18°21 | 18°32 | 2°57 | 23°17 | S 18 |
| M19 | 5 52 17 | 27° 4'36 | 8♊13 | 26°27 | 15°10 | 29°18 | 9°40 | 8°53 | 8° 2 | 16°28 | 10°58 | 18°10 | 18°29 | 3° 3 | 23°13 | M19 |
| T 20 | 5 56 13 | 28° 5'23 | 22°14 | 28° 1 | 15°48 | 29°45 | 9°35 | 8°49 | 8° 3 | 16°30 | 11° 0 | 17°57 | 18°26 | 3°10 | 23°10 | T 20 |
| W21 | 6 0 10 | 29° 6'11 | 6♋33 | 29°35 | 16°27 | 0♎11 | 9°31 | 8°44 | 8° 5 | 16°32 | 11° 2 | 17°45 | 18°23 | 3°16 | 23° 6 | W21 |
| T 22 | 6 4 7 | 0♉ 7'00 | 21° 4 | 1♉ 9 | 17° 7 | 0°37 | 9°26 | 8°39 | 8° 6 | 16°34 | 11° 4 | 17°35 | 18°20 | 3°23 | 23° 3 | T 22 |
| F 23 | 6 8 3 | 1° 7'50 | 5♌39 | 2°44 | 17°49 | 1° 2 | 9°21 | 8°34 | 8° 7 | 16°37 | 11° 5 | 17°26 | 18°16 | 3°30 | 22°59 | F 23 |
| S 24 | 6 12 0 | 2° 8'41 | 20°13 | 4°18 | 18°31 | 1°28 | 9°16 | 8°29 | 8° 8 | 16°39 | 11° 7 | 17°21 | 18°13 | 3°36 | 22°56 | S 24 |
| S 25 | 6 15 56 | 3° 9'34 | 4♍40 | 5°52 | 19°15 | 1°53 | 9°11 | 8°24 | 8° 9 | 16°41 | 11° 9 | 17°19 | 18°10 | 3°43 | 22°52 | S 25 |
| M26 | 6 19 53 | 4°10'28 | 18°56 | 7°26 | 20° 0 | 2°18 | 9° 6 | 8°20 | 8°10 | 16°43 | 11°10 | 17°D18 | 18° 7 | 3°50 | 22°49 | M26 |
| T 27 | 6 23 49 | 5°11'23 | 3♎ 0 | 9° 1 | 20°46 | 2°42 | 9° 0 | 8°15 | 8°11 | 16°45 | 11°12 | 17°R19 | 18° 4 | 3°56 | 22°46 | T 27 |
| W28 | 6 27 46 | 6°12'19 | 16°51 | 10°35 | 21°32 | 3° 6 | 8°54 | 8°10 | 8°12 | 16°48 | 11°14 | 17°18 | 18° 1 | 4° 3 | 22°42 | W28 |
| T 29 | 6 31 42 | 7°13'16 | 0♏30 | 12°10 | 22°20 | 3°30 | 8°49 | 8° 5 | 8°13 | 16°50 | 11°15 | 17°16 | 17°57 | 4°10 | 22°39 | T 29 |
| F 30 | 6 35 39 | 8°14'14 | 13°57 | 13°44 | 23° 9 | 3°54 | 8°43 | 8° 0 | 8°14 | 16°52 | 11°17 | 17°11 | 17°54 | 4°16 | 22°36 | F 30 |
| S 31 | 6 39 36 | 9♉15'14 | 27♏13 | 15♉19 | 23♏58 | 4♎17 | 8♌36 | 7♋55 | 8♎15 | 16♉54 | 11♏18 | 17♓ 3 | 17♓51 | 4♓23 | 22♊32 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s40 | 10s 5 | 2s30 | 18s34 | 1n 4 | 14s38 | 0s23 | 5n25 | 1n56 | 17n46 | 0n15 | 21n47 | 1s 9 | 2s17 | 0n44 | 21s26 | 0n57 | 0n53 | 16n32 | 3s49 | 4s10 | 12s34 | 17n 1 | 6s11 |
| F 2 | 21 49 | 15 59 | 3 28 | 19 1 | 0 57 | 14 28 | 0 11 | 5 14 | 1 57 | 17 47 | 0 15 | 21 47 | 1 9 | 2 17 | 0 44 | 21 26 | 0 57 | 0 53 | 16 32 | 3 52 | 4 11 | 12 31 | 17 1 | 6 11 |
| S 3 | 21 58 | 21 0 | 4 14 | 19 28 | 0 50 | 14 19 | 0n 1 | 5 4 | 1 58 | 17 47 | 0 15 | 21 47 | 1 9 | 2 18 | 0 44 | 21 26 | 0 57 | 0 52 | 16 32 | 3 55 | 4 12 | 12 28 | 17 0 | 6 11 |
| S 4 | 22 6 | 24 52 | 4 44 | 19 54 | 0 43 | 14 11 | 0 13 | 4 53 | 1 59 | 17 48 | 0 15 | 21 48 | 1 9 | 2 19 | 0 44 | 21 25 | 0 57 | 0 52 | 16 32 | 4 0 | 4 13 | 12 24 | 17 0 | 6 11 |
| M 5 | 22 14 | 27 20 | 4 59 | 20 19 | 0 36 | 14 4 | 0 25 | 4 42 | 2 0 | 17 48 | 0 16 | 21 48 | 1 9 | 2 20 | 0 44 | 21 25 | 0 57 | 0 52 | 16 33 | 4 5 | 4 15 | 12 21 | 17 0 | 6 11 |
| T 6 | 22 21 | 28 14 | 4 57 | 20 43 | 0 29 | 13 58 | 0 36 | 4 31 | 2 1 | 17 49 | 0 16 | 21 48 | 1 9 | 2 21 | 0 44 | 21 25 | 0 57 | 0 51 | 16 33 | 4 10 | 4 16 | 12 18 | 16 59 | 6 12 |
| W 7 | 22 28 | 27 37 | 4 41 | 21 6 | 0 22 | 13 53 | 0 46 | 4 21 | 2 2 | 17 50 | 0 16 | 21 49 | 1 9 | 2 21 | 0 45 | 21 25 | 0 57 | 0 51 | 16 33 | 4 15 | 4 17 | 12 15 | 16 59 | 6 12 |
| T 8 | 22 35 | 25 36 | 4 12 | 21 28 | 0 15 | 13 49 | 0 56 | 4 10 | 2 3 | 17 50 | 0 16 | 21 49 | 1 9 | 2 22 | 0 45 | 21 25 | 0 57 | 0 51 | 16 34 | 4 19 | 4 18 | 12 12 | 16 59 | 6 12 |
| F 9 | 22 41 | 22 26 | 3 31 | 21 48 | 0 8 | 13 45 | 1 6 | 3 59 | 2 4 | 17 51 | 0 16 | 21 49 | 1 9 | 2 23 | 0 45 | 21 24 | 0 57 | 0 51 | 16 34 | 4 23 | 4 20 | 12 9 | 16 59 | 6 12 |
| S 10 | 22 46 | 18 22 | 2 41 | 22 8 | 0 1 | 13 43 | 1 16 | 3 49 | 2 5 | 17 52 | 0 16 | 21 50 | 1 9 | 2 24 | 0 45 | 21 24 | 0 57 | 0 50 | 16 34 | 4 25 | 4 21 | 12 5 | 16 58 | 6 12 |
| S 11 | 22 52 | 13 37 | 1 45 | 22 27 | 0s 6 | 13 42 | 1 25 | 3 39 | 2 6 | 17 53 | 0 17 | 21 50 | 1 9 | 2 24 | 0 45 | 21 24 | 0 57 | 0 50 | 16 35 | 4 26 | 4 22 | 12 2 | 16 58 | 6 12 |
| M12 | 22 56 | 8 24 | 0 45 | 22 44 | 0 13 | 13 42 | 1 34 | 3 29 | 2 7 | 17 54 | 0 17 | 21 50 | 1 9 | 2 25 | 0 45 | 21 24 | 0 57 | 0 50 | 16 35 | 4 27 | 4 23 | 11 59 | 16 58 | 6 12 |
| T 13 | 23 1 | 2 53 | 0n17 | 23 1 | 0 20 | 13 42 | 1 42 | 3 18 | 2 8 | 17 55 | 0 17 | 21 51 | 1 9 | 2 26 | 0 45 | 21 23 | 0 57 | 0 49 | 16 35 | 4 27 | 4 24 | 11 56 | 16 57 | 6 13 |
| W14 | 23 5 | 2n47 | 1 20 | 23 16 | 0 26 | 13 43 | 1 50 | 3 8 | 2 9 | 17 56 | 0 17 | 21 51 | 1 9 | 2 26 | 0 45 | 21 23 | 0 57 | 0 49 | 16 36 | 4 27 | 4 26 | 11 53 | 16 57 | 6 13 |
| T 15 | 23 8 | 8 27 | 2 20 | 23 30 | 0 33 | 13 45 | 1 58 | 2 58 | 2 10 | 17 57 | 0 17 | 21 51 | 1 9 | 2 27 | 0 45 | 21 23 | 0 57 | 0 49 | 16 36 | 4 27 | 4 27 | 11 50 | 16 57 | 6 13 |
| F 16 | 23 11 | 13 55 | 3 14 | 23 43 | 0 39 | 13 48 | 2 5 | 2 49 | 2 11 | 17 58 | 0 17 | 21 52 | 1 8 | 2 27 | 0 45 | 21 23 | 0 57 | 0 49 | 16 36 | 4 29 | 4 28 | 11 46 | 16 57 | 6 13 |
| S 17 | 23 13 | 18 58 | 4 1 | 23 54 | 0 46 | 13 51 | 2 12 | 2 39 | 2 12 | 17 59 | 0 18 | 21 52 | 1 8 | 2 28 | 0 45 | 21 23 | 0 57 | 0 49 | 16 37 | 4 31 | 4 29 | 11 43 | 16 56 | 6 13 |
| S 18 | 23 15 | 23 16 | 4 36 | 24 5 | 0 52 | 13 55 | 2 19 | 2 29 | 2 13 | 18 0 | 0 18 | 21 53 | 1 8 | 2 28 | 0 45 | 21 22 | 0 57 | 0 49 | 16 37 | 4 35 | 4 31 | 11 40 | 16 56 | 6 13 |
| M19 | 23 17 | 26 26 | 4 56 | 24 14 | 0 58 | 13 59 | 2 25 | 2 20 | 2 14 | 18 2 | 0 18 | 21 53 | 1 8 | 2 29 | 0 45 | 21 22 | 0 57 | 0 48 | 16 37 | 4 39 | 4 32 | 11 37 | 16 56 | 6 13 |
| T 20 | 23 18 | 28 5 | 5 0 | 24 22 | 1 4 | 14 4 | 2 31 | 2 10 | 2 15 | 18 3 | 0 18 | 21 53 | 1 8 | 2 29 | 0 45 | 21 22 | 0 57 | 0 48 | 16 38 | 4 44 | 4 33 | 11 34 | 16 56 | 6 13 |
| W21 | 23 19 | 27 54 | 4 45 | 24 28 | 1 9 | 14 10 | 2 36 | 2 1 | 2 16 | 18 4 | 0 18 | 21 54 | 1 8 | 2 30 | 0 45 | 21 22 | 0 57 | 0 48 | 16 38 | 4 49 | 4 34 | 11 30 | 16 56 | 6 13 |
| T 22 | 23 19 | 25 49 | 4 11 | 24 33 | 1 15 | 14 16 | 2 42 | 1 51 | 2 17 | 18 6 | 0 18 | 21 54 | 1 8 | 2 30 | 0 45 | 21 21 | 0 57 | 0 48 | 16 39 | 4 53 | 4 36 | 11 27 | 16 55 | 6 13 |
| F 23 | 23 19 | 22 1 | 3 21 | 24 37 | 1 20 | 14 23 | 2 47 | 1 42 | 2 18 | 18 7 | 0 19 | 21 55 | 1 8 | 2 31 | 0 45 | 21 21 | 0 57 | 0 48 | 16 39 | 4 56 | 4 37 | 11 24 | 16 55 | 6 13 |
| S 24 | 23 18 | 16 51 | 2 18 | 24 40 | 1 25 | 14 30 | 2 51 | 1 33 | 2 19 | 18 9 | 0 19 | 21 55 | 1 8 | 2 31 | 0 45 | 21 21 | 0 57 | 0 48 | 16 39 | 4 58 | 4 38 | 11 21 | 16 55 | 6 13 |
| S 25 | 23 17 | 10 47 | 1 7 | 24 41 | 1 30 | 14 37 | 2 56 | 1 24 | 2 20 | 18 10 | 0 19 | 21 55 | 1 8 | 2 32 | 0 45 | 21 21 | 0 57 | 0 48 | 16 40 | 4 59 | 4 39 | 11 18 | 16 55 | 6 13 |
| M26 | 23 15 | 4 13 | 0s 9 | 24 41 | 1 35 | 14 45 | 3 0 | 1 16 | 2 22 | 18 12 | 0 19 | 21 56 | 1 8 | 2 32 | 0 45 | 21 20 | 0 57 | 0 48 | 16 40 | 4 59 | 4 41 | 11 14 | 16 55 | 6 13 |
| T 27 | 23 13 | 2s27 | 1 22 | 24 40 | 1 40 | 14 53 | 3 4 | 1 7 | 2 23 | 18 13 | 0 19 | 21 56 | 1 8 | 2 32 | 0 45 | 21 20 | 0 57 | 0 48 | 16 41 | 4 59 | 4 42 | 11 11 | 16 55 | 6 13 |
| W28 | 23 10 | 8 54 | 2 30 | 24 37 | 1 44 | 15 2 | 3 8 | 0 58 | 2 24 | 18 15 | 0 19 | 21 56 | 1 8 | 2 33 | 0 45 | 21 20 | 0 57 | 0 48 | 16 41 | 4 59 | 4 43 | 11 8 | 16 54 | 6 13 |
| T 29 | 23 7 | 14 50 | 3 28 | 24 33 | 1 48 | 15 11 | 3 11 | 0 50 | 2 25 | 18 17 | 0 20 | 21 57 | 1 7 | 2 33 | 0 45 | 21 20 | 0 57 | 0 48 | 16 42 | 5 0 | 4 44 | 11 5 | 16 54 | 6 13 |
| F 30 | 23 4 | 19 59 | 4 14 | 24 28 | 1 52 | 15 20 | 3 14 | 0 42 | 2 26 | 18 18 | 0 20 | 21 57 | 1 7 | 2 33 | 0 45 | 21 19 | 0 57 | 0 48 | 16 42 | 5 2 | 4 45 | 11 2 | 16 54 | 6 13 |
| S 31 | 23s 0 | 24s 3 | 4s45 | 24s21 | 1s55 | 15s29 | 3n17 | 0n33 | 2n27 | 18n20 | 0n20 | 21n58 | 1s 7 | 2s33 | 0n45 | 21s19 | 0n57 | 0n48 | 16n43 | 5s 5 | 4s47 | 10s58 | 16n54 | 6s13 |

Julian Day Number = 2807625.5, Delta T = 52m11s
Ecliptic obliquity = 23°18'55, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°23'14, Lahiri = 37°30'15


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# ASTRODIENST EPHEMERIS for the year 2975
# geocentric

## JANUARY 2975 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 43 32 | 10♑16'14 | 10♐18 | 16♑54 | 24♏49 | 4♎40 | 8°R30 | 7°R50 | 8♎15 | 16♑57 | 11♏20 | 16°R53 | 17♓48 | 4♓30 | 22°R29 | S 1 |
| M 2 | 6 47 29 | 11°17'15 | 23°11 | 18°29 | 25°40 | 5° 3 | 8♌24 | 7♋45 | 8°16 | 16°59 | 11°21 | 16♓41 | 17°45 | 4°36 | 22♊26 | M 2 |
| T 3 | 6 51 25 | 12°18'18 | 5♑52 | 20° 4 | 26°32 | 5°25 | 8°17 | 7°40 | 8°16 | 17° 1 | 11°23 | 16°29 | 17°41 | 4°43 | 22°23 | T 3 |
| W 4 | 6 55 22 | 13°19'20 | 18°20 | 21°39 | 27°24 | 5°47 | 8°11 | 7°35 | 8°17 | 17° 4 | 11°24 | 16°17 | 17°38 | 4°50 | 22°19 | W 4 |
| T 5 | 6 59 18 | 14°20'23 | 0♒36 | 23°14 | 28°17 | 6° 9 | 8° 4 | 7°30 | 8°17 | 17° 6 | 11°25 | 16° 7 | 17°35 | 4°56 | 22°16 | T 5 |
| F 6 | 7 3 15 | 15°21'27 | 12°41 | 24°50 | 29°11 | 6°30 | 7°57 | 7°25 | 8°18 | 17° 8 | 11°27 | 15°59 | 17°32 | 5° 3 | 22°13 | F 6 |
| S 7 | 7 7 11 | 16°22'31 | 24°37 | 26°25 | 0♐ 6 | 6°51 | 7°50 | 7°21 | 8°18 | 17°10 | 11°28 | 15°54 | 17°29 | 5°10 | 22°10 | S 7 |
| S 8 | 7 11 8 | 17°23'35 | 6♓25 | 28° 0 | 1° 1 | 7°11 | 7°43 | 7°16 | 8°18 | 17°13 | 11°29 | 15°51 | 17°26 | 5°16 | 22° 7 | S 8 |
| M 9 | 7 15 5 | 18°24'40 | 18°11 | 29°36 | 1°57 | 7°32 | 7°35 | 7°11 | 8°19 | 17°15 | 11°31 | 15°D51 | 17°22 | 5°23 | 22° 4 | M 9 |
| T 10 | 7 19 1 | 19°25'45 | 29°59 | 1♒11 | 2°53 | 7°51 | 7°28 | 7° 6 | 8°19 | 17°17 | 11°32 | 15°52 | 17°19 | 5°29 | 22° 1 | T 10 |
| W11 | 7 22 58 | 20°26'49 | 11♈53 | 2°47 | 3°50 | 8°11 | 7°21 | 7° 2 | 8°19 | 17°19 | 11°33 | 15°53 | 17°16 | 5°36 | 21°58 | W11 |
| T 12 | 7 26 54 | 21°27'54 | 23°59 | 4°22 | 4°48 | 8°30 | 7°13 | 6°57 | 8°R19 | 17°22 | 11°34 | 15°R53 | 17°13 | 5°43 | 21°55 | T 12 |
| F 13 | 7 30 51 | 22°28'59 | 6♉23 | 5°57 | 5°46 | 8°48 | 7° 6 | 6°52 | 8°19 | 17°24 | 11°35 | 15°52 | 17°10 | 5°49 | 21°52 | F 13 |
| S 14 | 7 34 47 | 23°30'04 | 19°10 | 7°31 | 6°44 | 9° 7 | 6°58 | 6°48 | 8°19 | 17°26 | 11°36 | 15°48 | 17° 7 | 5°56 | 21°50 | S 14 |
| S 15 | 7 38 44 | 24°31'09 | 2♊22 | 9° 5 | 7°43 | 9°24 | 6°50 | 6°43 | 8°19 | 17°28 | 11°37 | 15°43 | 17° 3 | 6° 3 | 21°47 | S 15 |
| M16 | 7 42 40 | 25°32'14 | 16° 2 | 10°38 | 8°43 | 9°42 | 6°42 | 6°38 | 8°19 | 17°31 | 11°38 | 15°36 | 17° 0 | 6° 9 | 21°44 | M16 |
| T 17 | 7 46 37 | 26°33'19 | 0♋11 | 12°11 | 9°43 | 9°58 | 6°35 | 6°34 | 8°18 | 17°33 | 11°39 | 15°28 | 16°57 | 6°16 | 21°41 | T 17 |
| W18 | 7 50 34 | 27°34'24 | 14°43 | 13°42 | 10°43 | 10°15 | 6°27 | 6°30 | 8°18 | 17°35 | 11°40 | 15°20 | 16°54 | 6°23 | 21°39 | W18 |
| T 19 | 7 54 30 | 28°35'29 | 29°33 | 15°13 | 11°44 | 10°31 | 6°19 | 6°25 | 8°18 | 17°37 | 11°41 | 15°12 | 16°51 | 6°29 | 21°36 | T 19 |
| F 20 | 7 58 27 | 29°36'34 | 14♌32 | 16°41 | 12°45 | 10°46 | 6°11 | 6°21 | 8°17 | 17°40 | 11°42 | 15° 7 | 16°47 | 6°36 | 21°34 | F 20 |
| S 21 | 8 2 23 | 0♒37'39 | 29°32 | 18° 8 | 13°47 | 11° 1 | 6° 3 | 6°17 | 8°17 | 17°42 | 11°43 | 15° 4 | 16°44 | 6°43 | 21°31 | S 21 |
| S 22 | 8 6 20 | 1°38'44 | 14♍23 | 19°33 | 14°49 | 11°16 | 5°55 | 6°12 | 8°16 | 17°44 | 11°44 | 15°D 3 | 16°41 | 6°49 | 21°29 | S 22 |
| M23 | 8 10 16 | 2°39'49 | 29° 0 | 20°54 | 15°51 | 11°30 | 5°47 | 6° 8 | 8°16 | 17°46 | 11°44 | 15° 4 | 16°38 | 6°56 | 21°26 | M23 |
| T 24 | 8 14 13 | 3°40'55 | 13♎19 | 22°13 | 16°54 | 11°43 | 5°39 | 6° 4 | 8°15 | 17°48 | 11°45 | 15° 5 | 16°35 | 7° 3 | 21°24 | T 24 |
| W25 | 8 18 10 | 4°42'00 | 27°17 | 23°28 | 17°57 | 11°56 | 5°31 | 6° 0 | 8°15 | 17°51 | 11°46 | 15° 6 | 16°32 | 7° 9 | 21°22 | W25 |
| T 26 | 8 22 6 | 5°43'06 | 10♏55 | 24°38 | 19° 0 | 12° 9 | 5°22 | 5°56 | 8°14 | 17°53 | 11°47 | 15°R 6 | 16°28 | 7°16 | 21°20 | T 26 |
| F 27 | 8 26 3 | 6°44'12 | 24°15 | 25°43 | 20° 4 | 12°21 | 5°14 | 5°52 | 8°13 | 17°55 | 11°47 | 15° 5 | 16°25 | 7°22 | 21°17 | F 27 |
| S 28 | 8 29 59 | 7°45'18 | 7♐17 | 26°43 | 21° 8 | 12°32 | 5° 6 | 5°48 | 8°12 | 17°57 | 11°48 | 15° 1 | 16°22 | 7°29 | 21°15 | S 28 |
| S 29 | 8 33 56 | 8°46'24 | 20° 4 | 27°35 | 22°12 | 12°43 | 4°58 | 5°45 | 8°11 | 17°59 | 11°48 | 14°56 | 16°19 | 7°36 | 21°13 | S 29 |
| M30 | 8 37 52 | 9°47'30 | 2♑38 | 28°20 | 23°17 | 12°53 | 4°50 | 5°41 | 8°11 | 18° 2 | 11°49 | 14°50 | 16°16 | 7°42 | 21°11 | M30 |
| T 31 | 8 41 49 | 10♒48'35 | 15♑ 1 | 28♒56 | 24♐22 | 13♎ 2 | 4♌42 | 5♋37 | 8♎10 | 18♑ 4 | 11♏49 | 14♓44 | 16♓13 | 7♓49 | 21♊ 9 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s55 | 26s50 | 5s 0 | 24s13 | 1s58 | 15s39 | 3n20 | 0n25 | 2n28 | 18n22 | 0n20 | 21n58 | 1s 7 | 2s34 | 0n45 | 21s19 | 0n57 | 0n48 | 16n43 | 5s 9 | 4s48 | 10s55 | 16n54 | 6s13 |
| M 2 | 22 50 | 28 9 | 5 1 | 24 3 | 2 1 | 15 48 | 3 22 | 0 18 | 2 29 | 18 24 | 0 20 | 21 58 | 1 7 | 2 34 | 0 46 | 21 18 | 0 57 | 0 48 | 16 44 | 5 14 | 4 49 | 10 52 | 16 54 | 6 13 |
| T 3 | 22 45 | 27 57 | 4 46 | 23 52 | 2 4 | 15 58 | 3 24 | 0 10 | 2 31 | 18 26 | 0 20 | 21 59 | 1 7 | 2 34 | 0 46 | 21 18 | 0 57 | 0 48 | 16 44 | 5 18 | 4 50 | 10 49 | 16 54 | 6 13 |
| W 4 | 22 39 | 26 19 | 4 17 | 23 40 | 2 6 | 16 8 | 3 26 | 0 2 | 2 32 | 18 28 | 0 21 | 21 59 | 1 7 | 2 34 | 0 46 | 21 18 | 0 57 | 0 48 | 16 44 | 5 23 | 4 52 | 10 45 | 16 54 | 6 13 |
| T 5 | 22 33 | 23 27 | 3 37 | 23 26 | 2 8 | 16 18 | 3 28 | 0s 5 | 2 33 | 18 29 | 0 21 | 22 0 | 1 7 | 2 34 | 0 46 | 21 18 | 0 56 | 0 48 | 16 45 | 5 27 | 4 53 | 10 42 | 16 53 | 6 13 |
| F 6 | 22 26 | 19 36 | 2 48 | 23 11 | 2 10 | 16 28 | 3 29 | 0 12 | 2 34 | 18 31 | 0 21 | 22 0 | 1 7 | 2 34 | 0 46 | 21 17 | 0 56 | 0 48 | 16 45 | 5 30 | 4 54 | 10 39 | 16 53 | 6 13 |
| S 7 | 22 19 | 15 0 | 1 51 | 22 54 | 2 11 | 16 38 | 3 31 | 0 19 | 2 35 | 18 33 | 0 21 | 22 0 | 1 7 | 2 35 | 0 46 | 21 17 | 0 56 | 0 48 | 16 46 | 5 32 | 4 55 | 10 36 | 16 53 | 6 12 |
| S 8 | 22 11 | 9 53 | 0 50 | 22 36 | 2 12 | 16 48 | 3 32 | 0 26 | 2 37 | 18 35 | 0 21 | 22 1 | 1 6 | 2 35 | 0 46 | 21 17 | 0 56 | 0 48 | 16 46 | 5 33 | 4 57 | 10 33 | 16 53 | 6 12 |
| M 9 | 22 3 | 4 27 | 0n13 | 22 17 | 2 12 | 16 58 | 3 33 | 0 33 | 2 38 | 18 37 | 0 21 | 22 1 | 1 6 | 2 35 | 0 46 | 21 17 | 0 56 | 0 48 | 16 47 | 5 33 | 4 58 | 10 29 | 16 53 | 6 12 |
| T 10 | 21 55 | 1n 9 | 1 15 | 21 56 | 2 12 | 17 8 | 3 33 | 0 40 | 2 39 | 18 39 | 0 22 | 22 2 | 1 6 | 2 35 | 0 46 | 21 16 | 0 56 | 0 48 | 16 47 | 5 33 | 4 59 | 10 26 | 16 53 | 6 12 |
| W11 | 21 46 | 6 45 | 2 15 | 21 34 | 2 12 | 17 18 | 3 34 | 0 46 | 2 40 | 18 41 | 0 22 | 22 2 | 1 6 | 2 35 | 0 46 | 21 16 | 0 56 | 0 49 | 16 48 | 5 33 | 5 0 | 10 23 | 16 53 | 6 12 |
| T 12 | 21 37 | 12 13 | 3 10 | 21 11 | 2 11 | 17 28 | 3 34 | 0 53 | 2 41 | 18 43 | 0 22 | 22 2 | 1 6 | 2 35 | 0 46 | 21 16 | 0 56 | 0 49 | 16 49 | 5 32 | 5 1 | 10 20 | 16 53 | 6 12 |
| F 13 | 21 27 | 17 19 | 3 58 | 20 46 | 2 9 | 17 38 | 3 34 | 0 59 | 2 43 | 18 45 | 0 22 | 22 3 | 1 6 | 2 35 | 0 46 | 21 15 | 0 56 | 0 49 | 16 49 | 5 33 | 5 3 | 10 16 | 16 53 | 6 12 |
| S 14 | 21 17 | 21 50 | 4 35 | 20 20 | 2 7 | 17 48 | 3 34 | 1 5 | 2 44 | 18 48 | 0 22 | 22 3 | 1 6 | 2 35 | 0 46 | 21 15 | 0 56 | 0 49 | 16 50 | 5 34 | 5 4 | 10 13 | 16 53 | 6 11 |
| S 15 | 21 6 | 25 25 | 4 59 | 19 53 | 2 4 | 17 58 | 3 34 | 1 10 | 2 45 | 18 50 | 0 22 | 22 3 | 1 5 | 2 35 | 0 46 | 21 15 | 0 56 | 0 49 | 16 50 | 5 36 | 5 5 | 10 10 | 16 53 | 6 11 |
| M16 | 20 55 | 27 41 | 5 7 | 19 25 | 2 1 | 18 7 | 3 34 | 1 16 | 2 46 | 18 52 | 0 22 | 22 4 | 1 5 | 2 34 | 0 46 | 21 15 | 0 56 | 0 50 | 16 51 | 5 39 | 5 6 | 10 7 | 16 53 | 6 11 |
| T 17 | 20 44 | 28 16 | 4 57 | 18 56 | 1 57 | 18 17 | 3 33 | 1 21 | 2 48 | 18 54 | 0 23 | 22 4 | 1 5 | 2 34 | 0 46 | 21 14 | 0 56 | 0 50 | 16 51 | 5 42 | 5 8 | 10 3 | 16 53 | 6 11 |
| W18 | 20 32 | 26 57 | 4 28 | 18 25 | 1 52 | 18 26 | 3 32 | 1 27 | 2 49 | 18 56 | 0 23 | 22 4 | 1 5 | 2 34 | 0 46 | 21 14 | 0 56 | 0 50 | 16 52 | 5 45 | 5 9 | 10 0 | 16 53 | 6 11 |
| T 19 | 20 20 | 23 44 | 3 41 | 17 54 | 1 47 | 18 35 | 3 32 | 1 32 | 2 50 | 18 58 | 0 23 | 22 5 | 1 5 | 2 34 | 0 46 | 21 14 | 0 56 | 0 50 | 16 52 | 5 48 | 5 10 | 9 57 | 16 53 | 6 10 |
| F 20 | 20 8 | 18 54 | 2 37 | 17 21 | 1 41 | 18 44 | 3 31 | 1 37 | 2 52 | 19 0 | 0 23 | 22 5 | 1 5 | 2 34 | 0 46 | 21 13 | 0 56 | 0 51 | 16 53 | 5 50 | 5 11 | 9 54 | 16 53 | 6 10 |
| S 21 | 19 55 | 12 53 | 1 23 | 16 48 | 1 34 | 18 52 | 3 29 | 1 41 | 2 53 | 19 2 | 0 23 | 22 6 | 1 5 | 2 34 | 0 46 | 21 13 | 0 56 | 0 51 | 16 53 | 5 51 | 5 13 | 9 50 | 16 53 | 6 10 |
| S 22 | 19 41 | 6 10 | 0 4 | 16 15 | 1 26 | 19 0 | 3 28 | 1 46 | 2 54 | 19 4 | 0 23 | 22 6 | 1 4 | 2 33 | 0 46 | 21 13 | 0 56 | 0 51 | 16 54 | 5 52 | 5 14 | 9 47 | 16 53 | 6 10 |
| M23 | 19 28 | 0s45 | 1s15 | 15 41 | 1 17 | 19 8 | 3 27 | 1 50 | 2 55 | 19 6 | 0 23 | 22 6 | 1 4 | 2 33 | 0 46 | 21 13 | 0 56 | 0 51 | 16 54 | 5 51 | 5 15 | 9 44 | 16 54 | 6 10 |
| T 24 | 19 14 | 7 30 | 2 27 | 15 6 | 1 8 | 19 16 | 3 25 | 1 54 | 2 57 | 19 9 | 0 24 | 22 7 | 1 4 | 2 33 | 0 46 | 21 12 | 0 56 | 0 52 | 16 55 | 5 51 | 5 16 | 9 41 | 16 54 | 6 9 |
| W25 | 18 59 | 13 42 | 3 29 | 14 32 | 0 57 | 19 24 | 3 24 | 1 58 | 2 58 | 19 11 | 0 24 | 22 7 | 1 4 | 2 33 | 0 46 | 21 12 | 0 56 | 0 52 | 16 56 | 5 50 | 5 17 | 9 37 | 16 54 | 6 9 |
| T 26 | 18 45 | 19 6 | 4 18 | 13 58 | 0 46 | 19 31 | 3 22 | 2 1 | 2 59 | 19 13 | 0 24 | 22 7 | 1 4 | 2 32 | 0 46 | 21 12 | 0 56 | 0 52 | 16 56 | 5 50 | 5 19 | 9 34 | 16 54 | 6 9 |
| F 27 | 18 30 | 23 26 | 4 51 | 13 24 | 0 34 | 19 37 | 3 20 | 2 5 | 3 1 | 19 15 | 0 24 | 22 8 | 1 4 | 2 32 | 0 46 | 21 11 | 0 56 | 0 53 | 16 57 | 5 51 | 5 20 | 9 31 | 16 54 | 6 9 |
| S 28 | 18 14 | 26 29 | 5 8 | 12 52 | 0 20 | 19 44 | 3 18 | 2 8 | 3 2 | 19 17 | 0 24 | 22 8 | 1 3 | 2 32 | 0 47 | 21 11 | 0 56 | 0 53 | 16 57 | 5 52 | 5 21 | 9 27 | 16 54 | 6 8 |
| S 29 | 17 58 | 28 6 | 5 10 | 12 21 | 0 6 | 19 50 | 3 16 | 2 11 | 3 3 | 19 19 | 0 24 | 22 8 | 1 3 | 2 31 | 0 47 | 21 11 | 0 56 | 0 54 | 16 58 | 5 54 | 5 22 | 9 24 | 16 54 | 6 8 |
| M30 | 17 42 | 28 14 | 4 56 | 11 51 | 0n 9 | 19 56 | 3 13 | 2 13 | 3 5 | 19 21 | 0 24 | 22 9 | 1 3 | 2 31 | 0 47 | 21 11 | 0 56 | 0 54 | 16 58 | 5 56 | 5 24 | 9 21 | 16 54 | 6 8 |
| T 31 | 17s26 | 26s56 | 4s29 | 11s23 | 0n25 | 20s 1 | 3n11 | 2s16 | 3n 6 | 19n23 | 0n24 | 22n 9 | 1s 3 | 2s30 | 0n47 | 21s10 | 0n56 | 0n54 | 16n59 | 5s59 | 5s25 | 9s18 | 16n54 | 6s 8 |

Julian Day Number = 2807656.5, Delta T = 52m11s
Ecliptic obliquity = 23°18'55, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°23'19, Lahiri = 37°30'19


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# ASTRODIENST EPHEMERIS for the year 2975
# geocentric

## FEBRUARY 2975 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 8 45 45 | 11♒49'40 | 27♉13 | 29♒23 | 25♐27 | 13♎11 | 4°R34 | 5°R34 | 8°R 8 | 18♉ 6 | 11♏50 | 14°R38 | 16♓ 9 | 7♓56 | 21°R 8 | W 1 |
| T 2 | 8 49 42 | 12°50'45 | 9♒17 | 29°40 | 26°32 | 13°20 | 4♌26 | 5♋31 | 8♎ 7 | 18° 8 | 11°50 | 14♓32 | 16° 6 | 8° 2 | 21♊ 6 | T 2 |
| F 3 | 8 53 39 | 13°51'50 | 21°13 | 29°R46 | 27°38 | 13°27 | 4°18 | 5°27 | 8° 6 | 18°10 | 11°51 | 14°28 | 16° 3 | 8° 9 | 21° 4 | F 3 |
| S 4 | 8 57 35 | 14°52'53 | 3♓ 4 | 29°40 | 28°44 | 13°34 | 4°10 | 5°24 | 8° 5 | 18°12 | 11°51 | 14°26 | 16° 0 | 8°16 | 21° 2 | S 4 |
| S 5 | 9 1 32 | 15°53'57 | 14°51 | 29°23 | 29°50 | 13°41 | 4° 3 | 5°21 | 8° 4 | 18°14 | 11°51 | 14°D25 | 15°57 | 8°22 | 21° 1 | S 5 |
| M 6 | 9 5 28 | 16°54'59 | 26°37 | 28°54 | 0♉56 | 13°47 | 3°55 | 5°18 | 8° 3 | 18°16 | 11°52 | 14°26 | 15°53 | 8°29 | 20°59 | M 6 |
| T 7 | 9 9 25 | 17°56'01 | 8♈26 | 28°14 | 2° 3 | 13°52 | 3°47 | 5°15 | 8° 1 | 18°18 | 11°52 | 14°28 | 15°50 | 8°36 | 20°58 | T 7 |
| W 8 | 9 13 21 | 18°57'01 | 20°21 | 27°24 | 3° 9 | 13°56 | 3°40 | 5°12 | 8° 0 | 18°20 | 11°52 | 14°29 | 15°47 | 8°42 | 20°56 | W 8 |
| T 9 | 9 17 18 | 19°58'01 | 2♉26 | 26°25 | 4°16 | 14° 0 | 3°32 | 5° 9 | 7°58 | 18°22 | 11°52 | 14°31 | 15°44 | 8°49 | 20°55 | T 9 |
| F 10 | 9 21 14 | 20°59'00 | 14°47 | 25°19 | 5°23 | 14° 3 | 3°25 | 5° 7 | 7°57 | 18°24 | 11°52 | 14°32 | 15°41 | 8°56 | 20°54 | F 10 |
| S 11 | 9 25 11 | 21°59'58 | 27°28 | 24° 7 | 6°31 | 14° 5 | 3°17 | 5° 4 | 7°55 | 18°26 | 11°52 | 14°R32 | 15°38 | 9° 2 | 20°53 | S 11 |
| S 12 | 9 29 8 | 23° 0'55 | 10♊33 | 22°52 | 7°38 | 14° 6 | 3°10 | 5° 1 | 7°54 | 18°28 | 11°52 | 14°31 | 15°34 | 9° 9 | 20°52 | S 12 |
| M13 | 9 33 4 | 24° 1'51 | 24° 5 | 21°37 | 8°46 | 14° 7 | 3° 3 | 4°59 | 7°52 | 18°30 | 11°R52 | 14°29 | 15°31 | 9°15 | 20°51 | M13 |
| T 14 | 9 37 1 | 25° 2'46 | 8♋ 6 | 20°22 | 9°54 | 14°R 7 | 2°56 | 4°57 | 7°51 | 18°32 | 11°52 | 14°27 | 15°28 | 9°22 | 20°50 | T 14 |
| W15 | 9 40 57 | 26° 3'39 | 22°34 | 19°11 | 11° 2 | 14° 7 | 2°49 | 4°55 | 7°49 | 18°34 | 11°52 | 14°24 | 15°25 | 9°29 | 20°49 | W15 |
| T 16 | 9 44 54 | 27° 4'32 | 7♌25 | 18° 5 | 12°10 | 14° 5 | 2°42 | 4°53 | 7°47 | 18°36 | 11°52 | 14°22 | 15°22 | 9°35 | 20°48 | T 16 |
| F 17 | 9 48 50 | 28° 5'23 | 22°32 | 17° 6 | 13°18 | 14° 3 | 2°36 | 4°51 | 7°45 | 18°38 | 11°52 | 14°20 | 15°19 | 9°42 | 20°47 | F 17 |
| S 18 | 9 52 47 | 29° 6'13 | 7♍45 | 16°14 | 14°27 | 14° 0 | 2°29 | 4°49 | 7°43 | 18°40 | 11°52 | 14°D19 | 15°15 | 9°49 | 20°47 | S 18 |
| S 19 | 9 56 43 | 0♓ 7'03 | 22°56 | 15°29 | 15°35 | 13°57 | 2°23 | 4°47 | 7°42 | 18°41 | 11°52 | 14°19 | 15°12 | 9°55 | 20°46 | S 19 |
| M20 | 10 0 40 | 1° 7'51 | 7♎54 | 14°54 | 16°44 | 13°52 | 2°16 | 4°45 | 7°40 | 18°43 | 11°52 | 14°20 | 15° 9 | 10° 2 | 20°45 | M20 |
| T 21 | 10 4 37 | 2° 8'38 | 22°33 | 14°27 | 17°53 | 13°47 | 2°10 | 4°44 | 7°38 | 18°45 | 11°51 | 14°21 | 15° 6 | 10° 9 | 20°45 | T 21 |
| W22 | 10 8 33 | 3° 9'25 | 6♏48 | 14° 8 | 19° 2 | 13°41 | 2° 4 | 4°42 | 7°36 | 18°47 | 11°51 | 14°22 | 15° 3 | 10°15 | 20°45 | W22 |
| T 23 | 10 12 30 | 4°10'11 | 20°37 | 13°57 | 20°11 | 13°34 | 1°58 | 4°41 | 7°34 | 18°48 | 11°51 | 14°23 | 14°59 | 10°22 | 20°44 | T 23 |
| F 24 | 10 16 26 | 5°10'56 | 4♐ 1 | 13°D54 | 21°20 | 13°27 | 1°53 | 4°40 | 7°32 | 18°50 | 11°50 | 14°R23 | 14°56 | 10°29 | 20°44 | F 24 |
| S 25 | 10 20 23 | 6°11'40 | 17° 2 | 13°59 | 22°30 | 13°18 | 1°47 | 4°39 | 7°30 | 18°52 | 11°50 | 14°23 | 14°53 | 10°35 | 20°44 | S 25 |
| S 26 | 10 24 19 | 7°12'23 | 29°42 | 14°10 | 23°39 | 13° 9 | 1°42 | 4°38 | 7°27 | 18°54 | 11°49 | 14°22 | 14°50 | 10°42 | 20°44 | S 26 |
| M27 | 10 28 16 | 8°13'05 | 12♑ 6 | 14°28 | 24°49 | 12°59 | 1°37 | 4°37 | 7°25 | 18°55 | 11°49 | 14°22 | 14°47 | 10°48 | 20°D44 | M27 |
| T 28 | 10 32 12 | 9♓13'46 | 24♑17 | 14♒51 | 25♑59 | 12♎48 | 1♌31 | 4♋36 | 7♎23 | 18♉57 | 11♏49 | 14♓21 | 14♓44 | 10♓55 | 20♊44 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17s 9 | 24s22 | 3s50 | 10s58 | 0n42 | 20s 6 | 3n 9 | 2s18 | 3n 7 | 19n25 | 0n25 | 22n 9 | 1s 3 | 2s30 | 0n47 | 21s10 | 0n56 | 0n55 | 17n 0 | 6s 1 | 5s26 | 9s14 | 16n55 | 6s 7 |
| T 2 | 16 52 | 20 45 | 3 1 | 10 36 | 1 0 | 20 10 | 3 6 | 2 20 | 3 9 | 19 27 | 0 25 | 22 9 | 1 3 | 2 29 | 0 47 | 21 10 | 0 56 | 0 55 | 17 0 | 6 3 | 5 27 | 9 11 | 16 55 | 6 7 |
| F 3 | 16 35 | 16 19 | 2 4 | 10 17 | 1 17 | 20 14 | 3 3 | 2 22 | 3 10 | 19 29 | 0 25 | 22 10 | 1 2 | 2 29 | 0 47 | 21 9 | 0 56 | 0 56 | 17 1 | 6 5 | 5 29 | 9 8 | 16 55 | 6 7 |
| S 4 | 16 17 | 11 18 | 1 2 | 10 2 | 1 35 | 20 18 | 3 1 | 2 23 | 3 11 | 19 31 | 0 25 | 22 10 | 1 2 | 2 28 | 0 47 | 21 9 | 0 56 | 0 56 | 17 1 | 6 6 | 5 30 | 9 4 | 16 55 | 6 6 |
| S 5 | 15 59 | 5 54 | 0n 2 | 9 51 | 1 53 | 20 21 | 2 58 | 2 24 | 3 13 | 19 33 | 0 25 | 22 10 | 1 2 | 2 28 | 0 47 | 21 9 | 0 56 | 0 57 | 17 2 | 6 6 | 5 31 | 9 1 | 16 55 | 6 6 |
| M 6 | 15 41 | 0 19 | 1 7 | 9 45 | 2 11 | 20 24 | 2 55 | 2 25 | 3 14 | 19 35 | 0 25 | 22 11 | 1 2 | 2 27 | 0 47 | 21 9 | 0 56 | 0 57 | 17 2 | 6 6 | 5 32 | 8 58 | 16 56 | 6 6 |
| T 7 | 15 23 | 5n18 | 2 8 | 9 43 | 2 28 | 20 26 | 2 52 | 2 26 | 3 15 | 19 37 | 0 25 | 22 11 | 1 2 | 2 27 | 0 47 | 21 8 | 0 56 | 0 57 | 17 3 | 6 5 | 5 33 | 8 55 | 16 56 | 6 6 |
| W 8 | 15 4 | 10 46 | 3 5 | 9 45 | 2 43 | 20 28 | 2 49 | 2 27 | 3 17 | 19 39 | 0 25 | 22 11 | 1 2 | 2 26 | 0 47 | 21 8 | 0 56 | 0 58 | 17 4 | 6 5 | 5 35 | 8 51 | 16 56 | 6 5 |
| T 9 | 14 45 | 15 56 | 3 55 | 9 52 | 2 57 | 20 29 | 2 46 | 2 27 | 3 18 | 19 41 | 0 25 | 22 12 | 1 1 | 2 26 | 0 47 | 21 8 | 0 56 | 0 58 | 17 4 | 6 4 | 5 36 | 8 48 | 16 56 | 6 5 |
| F 10 | 14 26 | 20 33 | 4 34 | 10 2 | 3 10 | 20 30 | 2 42 | 2 27 | 3 19 | 19 42 | 0 26 | 22 12 | 1 1 | 2 25 | 0 47 | 21 8 | 0 56 | 0 59 | 17 5 | 6 3 | 5 37 | 8 45 | 16 56 | 6 5 |
| S 11 | 14 6 | 24 23 | 5 2 | 10 16 | 3 20 | 20 30 | 2 39 | 2 26 | 3 21 | 19 44 | 0 26 | 22 12 | 1 1 | 2 24 | 0 47 | 21 7 | 0 56 | 1 0 | 17 5 | 6 3 | 5 38 | 8 41 | 16 57 | 6 4 |
| S 12 | 13 46 | 27 6 | 5 15 | 10 33 | 3 27 | 20 30 | 2 36 | 2 26 | 3 22 | 19 46 | 0 26 | 22 12 | 1 1 | 2 24 | 0 47 | 21 7 | 0 56 | 1 0 | 17 6 | 6 4 | 5 40 | 8 38 | 16 57 | 6 4 |
| M13 | 13 27 | 28 22 | 5 11 | 10 52 | 3 33 | 20 30 | 2 32 | 2 25 | 3 23 | 19 48 | 0 26 | 22 13 | 1 1 | 2 23 | 0 47 | 21 7 | 0 57 | 1 1 | 17 6 | 6 5 | 5 41 | 8 35 | 16 57 | 6 4 |
| T 14 | 13 6 | 27 53 | 4 49 | 11 13 | 3 35 | 20 28 | 2 29 | 2 24 | 3 24 | 19 49 | 0 26 | 22 13 | 1 0 | 2 22 | 0 47 | 21 6 | 0 57 | 1 1 | 17 7 | 6 6 | 5 42 | 8 31 | 16 57 | 6 3 |
| W15 | 12 46 | 25 32 | 4 9 | 11 35 | 3 35 | 20 27 | 2 25 | 2 23 | 3 26 | 19 51 | 0 26 | 22 13 | 1 0 | 2 22 | 0 47 | 21 6 | 0 57 | 1 2 | 17 7 | 6 7 | 5 43 | 8 28 | 16 58 | 6 3 |
| T 16 | 12 25 | 21 23 | 3 10 | 11 57 | 3 33 | 20 25 | 2 22 | 2 21 | 3 27 | 19 53 | 0 26 | 22 13 | 1 0 | 2 21 | 0 47 | 21 6 | 0 57 | 1 2 | 17 8 | 6 7 | 5 44 | 8 25 | 16 58 | 6 3 |
| F 17 | 12 5 | 15 47 | 1 58 | 12 18 | 3 29 | 20 22 | 2 18 | 2 19 | 3 28 | 19 54 | 0 26 | 22 14 | 1 0 | 2 20 | 0 47 | 21 6 | 0 57 | 1 3 | 17 9 | 6 8 | 5 46 | 8 22 | 16 58 | 6 2 |
| S 18 | 11 44 | 9 11 | 0 36 | 12 40 | 3 23 | 20 19 | 2 14 | 2 17 | 3 29 | 19 56 | 0 26 | 22 14 | 1 0 | 2 20 | 0 47 | 21 5 | 0 57 | 1 3 | 17 9 | 6 8 | 5 47 | 8 18 | 16 59 | 6 2 |
| S 19 | 11 22 | 2 4 | 0s48 | 13 0 | 3 15 | 20 15 | 2 11 | 2 14 | 3 30 | 19 57 | 0 26 | 22 14 | 1 0 | 2 19 | 0 47 | 21 5 | 0 57 | 1 4 | 17 10 | 6 8 | 5 48 | 8 15 | 16 59 | 6 2 |
| M20 | 11 1 | 5s 4 | 2 7 | 13 19 | 3 6 | 20 10 | 2 7 | 2 12 | 3 31 | 19 59 | 0 26 | 22 15 | 0 59 | 2 18 | 0 47 | 21 5 | 0 57 | 1 5 | 17 10 | 6 8 | 5 49 | 8 12 | 16 59 | 6 1 |
| T 21 | 10 39 | 11 46 | 3 17 | 13 36 | 2 56 | 20 6 | 2 3 | 2 9 | 3 32 | 20 0 | 0 26 | 22 15 | 0 59 | 2 17 | 0 47 | 21 5 | 0 57 | 1 5 | 17 11 | 6 8 | 5 51 | 8 8 | 17 0 | 6 1 |
| W22 | 10 18 | 17 41 | 4 12 | 13 52 | 2 45 | 20 0 | 1 59 | 2 5 | 3 34 | 20 2 | 0 27 | 22 15 | 0 59 | 2 16 | 0 47 | 21 4 | 0 57 | 1 6 | 17 11 | 6 7 | 5 52 | 8 5 | 17 0 | 6 1 |
| T 23 | 9 56 | 22 29 | 4 51 | 14 6 | 2 34 | 19 54 | 1 55 | 2 2 | 3 35 | 20 3 | 0 27 | 22 15 | 0 59 | 2 16 | 0 47 | 21 4 | 0 57 | 1 6 | 17 12 | 6 7 | 5 53 | 8 2 | 17 0 | 6 0 |
| F 24 | 9 34 | 25 57 | 5 12 | 14 18 | 2 22 | 19 48 | 1 52 | 1 58 | 3 36 | 20 4 | 0 27 | 22 15 | 0 59 | 2 15 | 0 47 | 21 4 | 0 57 | 1 7 | 17 12 | 6 7 | 5 54 | 7 58 | 17 0 | 6 0 |
| S 25 | 9 12 | 27 57 | 5 17 | 14 29 | 2 10 | 19 41 | 1 48 | 1 54 | 3 37 | 20 6 | 0 27 | 22 16 | 0 58 | 2 14 | 0 47 | 21 4 | 0 57 | 1 8 | 17 13 | 6 7 | 5 55 | 7 55 | 17 1 | 6 0 |
| S 26 | 8 49 | 28 25 | 5 6 | 14 37 | 1 57 | 19 33 | 1 44 | 1 49 | 3 37 | 20 7 | 0 27 | 22 16 | 0 58 | 2 13 | 0 47 | 21 3 | 0 57 | 1 8 | 17 13 | 6 7 | 5 57 | 7 52 | 17 1 | 5 59 |
| M27 | 8 27 | 27 26 | 4 41 | 14 44 | 1 45 | 19 25 | 1 40 | 1 45 | 3 38 | 20 8 | 0 27 | 22 16 | 0 58 | 2 12 | 0 47 | 21 3 | 0 57 | 1 9 | 17 14 | 6 8 | 5 58 | 7 48 | 17 2 | 5 59 |
| T 28 | 8s 4 | 25s 9 | 4s 4 | 14s49 | 1n32 | 19s16 | 1n36 | 1s40 | 3n39 | 20n 9 | 0n27 | 22n16 | 0s58 | 2s11 | 0n47 | 21s 3 | 0n57 | 1n 9 | 17n15 | 6s 8 | 5s59 | 7s45 | 17n 2 | 5s59 |

Julian Day Number = 2807687.5, Delta T = 52m12s
Ecliptic obliquity = 23°18'55, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°23'23, Lahiri = 37°30'23


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# ASTRODIENST EPHEMERIS for the year 2975
# geocentric

## MARCH 2975 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 36 9 | 10♓14'26 | 6♒17 | 15♒20 | 27♑ 9 | 12°R37 | 1°R27 | 4°R35 | 7°R21 | 18♑58 | 11°R48 | 14°R20 | 14♓40 | 11♓ 2 | 20♊44 | W 1 |
| T 2 | 10 40 6 | 11°15'05 | 18°11 | 15°54 | 28°19 | 12♎24 | 1♌22 | 4♋35 | 7♎19 | 19° 0 | 11♏47 | 14♓20 | 14°37 | 11° 8 | 20°44 | T 2 |
| F 3 | 10 44 2 | 12°15'42 | 0♓ 0 | 16°33 | 29°29 | 12°11 | 1°17 | 4°34 | 7°16 | 19° 1 | 11°47 | 14°19 | 14°34 | 11°15 | 20°44 | F 3 |
| S 4 | 10 47 59 | 13°16'18 | 11°48 | 17°16 | 0♒39 | 11°57 | 1°13 | 4°34 | 7°14 | 19° 3 | 11°46 | 14°D19 | 14°31 | 11°22 | 20°45 | S 4 |
| S 5 | 10 51 55 | 14°16'53 | 23°35 | 18° 2 | 1°49 | 11°43 | 1° 9 | 4°34 | 7°12 | 19° 4 | 11°45 | 14°R19 | 14°28 | 11°28 | 20°45 | S 5 |
| M 6 | 10 55 52 | 15°17'26 | 5♈25 | 18°53 | 3° 0 | 11°27 | 1° 5 | 4°D34 | 7° 9 | 19° 6 | 11°45 | 14°19 | 14°25 | 11°35 | 20°46 | M 6 |
| T 7 | 10 59 48 | 16°17'57 | 17°19 | 19°47 | 4°10 | 11°11 | 1° 1 | 4°34 | 7° 7 | 19° 7 | 11°44 | 14°19 | 14°21 | 11°42 | 20°46 | T 7 |
| W 8 | 11 3 45 | 17°18'27 | 29°20 | 20°43 | 5°21 | 10°55 | 0°57 | 4°34 | 7° 5 | 19° 9 | 11°43 | 14°19 | 14°18 | 11°48 | 20°47 | W 8 |
| T 9 | 11 7 41 | 18°18'55 | 11♉31 | 21°43 | 6°31 | 10°37 | 0°54 | 4°34 | 7° 2 | 19°10 | 11°42 | 14°18 | 14°15 | 11°55 | 20°48 | T 9 |
| F 10 | 11 11 38 | 19°19'22 | 23°55 | 22°45 | 7°42 | 10°19 | 0°50 | 4°34 | 7° 0 | 19°12 | 11°42 | 14°18 | 14°12 | 12° 2 | 20°48 | F 10 |
| S 11 | 11 15 35 | 20°19'47 | 6♊36 | 23°50 | 8°53 | 10° 1 | 0°47 | 4°35 | 6°57 | 19°13 | 11°41 | 14°17 | 14° 9 | 12° 8 | 20°49 | S 11 |
| S 12 | 11 19 31 | 21°20'09 | 19°36 | 24°56 | 10° 4 | 9°42 | 0°44 | 4°35 | 6°55 | 19°14 | 11°40 | 14°D17 | 14° 5 | 12°15 | 20°50 | S 12 |
| M13 | 11 23 28 | 22°20'31 | 2♋59 | 26° 5 | 11°14 | 9°22 | 0°42 | 4°36 | 6°52 | 19°15 | 11°39 | 14°17 | 14° 2 | 12°22 | 20°51 | M13 |
| T 14 | 11 27 24 | 23°20'50 | 16°46 | 27°16 | 12°25 | 9° 2 | 0°39 | 4°37 | 6°50 | 19°17 | 11°38 | 14°18 | 13°59 | 12°28 | 20°52 | T 14 |
| W15 | 11 31 21 | 24°21'07 | 0♌59 | 28°29 | 13°36 | 8°41 | 0°37 | 4°38 | 6°47 | 19°18 | 11°37 | 14°19 | 13°56 | 12°35 | 20°53 | W15 |
| T 16 | 11 35 17 | 25°21'22 | 15°35 | 29°44 | 14°48 | 8°20 | 0°35 | 4°39 | 6°45 | 19°19 | 11°36 | 14°20 | 13°53 | 12°41 | 20°55 | T 16 |
| F 17 | 11 39 14 | 26°21'35 | 0♍31 | 1♓ 0 | 15°59 | 7°58 | 0°33 | 4°40 | 6°42 | 19°20 | 11°35 | 14°20 | 13°50 | 12°48 | 20°56 | F 17 |
| S 18 | 11 43 10 | 27°21'46 | 15°39 | 2°18 | 17°10 | 7°36 | 0°31 | 4°41 | 6°40 | 19°21 | 11°34 | 14°R21 | 13°46 | 12°55 | 20°57 | S 18 |
| S 19 | 11 47 7 | 28°21'56 | 0♎51 | 3°38 | 18°21 | 7°14 | 0°29 | 4°43 | 6°37 | 19°22 | 11°33 | 14°20 | 13°43 | 13° 1 | 20°59 | S 19 |
| M20 | 11 51 3 | 29°22'04 | 15°57 | 4°59 | 19°33 | 6°51 | 0°28 | 4°44 | 6°34 | 19°24 | 11°32 | 14°19 | 13°40 | 13° 8 | 21° 0 | M20 |
| T 21 | 11 55 0 | 0♈22'10 | 0♏49 | 6°21 | 20°44 | 6°28 | 0°27 | 4°46 | 6°32 | 19°25 | 11°31 | 14°17 | 13°37 | 13°15 | 21° 2 | T 21 |
| W22 | 11 58 57 | 1°22'14 | 15°18 | 7°45 | 21°56 | 6° 5 | 0°26 | 4°47 | 6°29 | 19°26 | 11°29 | 14°15 | 13°34 | 13°21 | 21° 3 | W22 |
| T 23 | 12 2 53 | 2°22'17 | 29°20 | 9°11 | 23° 7 | 5°41 | 0°25 | 4°49 | 6°27 | 19°27 | 11°28 | 14°13 | 13°31 | 13°28 | 21° 5 | T 23 |
| F 24 | 12 6 50 | 3°22'19 | 12♐55 | 10°37 | 24°19 | 5°18 | 0°24 | 4°51 | 6°24 | 19°27 | 11°27 | 14°11 | 13°27 | 13°35 | 21° 7 | F 24 |
| S 25 | 12 10 46 | 4°22'19 | 26° 2 | 12° 5 | 25°30 | 4°54 | 0°24 | 4°53 | 6°21 | 19°28 | 11°26 | 14°10 | 13°24 | 13°41 | 21° 9 | S 25 |
| S 26 | 12 14 43 | 5°22'17 | 8♑45 | 13°34 | 26°42 | 4°30 | 0°D24 | 4°55 | 6°19 | 19°29 | 11°25 | 14°D 9 | 13°21 | 13°48 | 21°11 | S 26 |
| M27 | 12 18 39 | 6°22'14 | 21° 7 | 15° 4 | 27°54 | 4° 7 | 0°24 | 4°57 | 6°16 | 19°30 | 11°23 | 14°10 | 13°18 | 13°55 | 21°13 | M27 |
| T 28 | 12 22 36 | 7°22'09 | 3♒14 | 16°36 | 29° 6 | 3°43 | 0°24 | 5° 0 | 6°14 | 19°31 | 11°22 | 14°11 | 13°15 | 14° 1 | 21°15 | T 28 |
| W29 | 12 26 32 | 8°22'03 | 15° 9 | 18° 9 | 0♓18 | 3°20 | 0°24 | 5° 2 | 6°11 | 19°32 | 11°21 | 14°13 | 13°11 | 14° 8 | 21°17 | W29 |
| T 30 | 12 30 29 | 9°21'55 | 26°58 | 19°43 | 1°29 | 2°56 | 0°25 | 5° 5 | 6° 8 | 19°32 | 11°19 | 14°15 | 13° 8 | 14°14 | 21°19 | T 30 |
| F 31 | 12 34 26 | 10♈21'45 | 8♓44 | 21♓18 | 2♓41 | 2♎33 | 0♌26 | 5♋ 7 | 6♎ 6 | 19♑33 | 11♏18 | 14°R16 | 13♓ 5 | 14♓21 | 21♊21 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 7s41 | 21s46 | 3s16 | 14s53 | 1n20 | 19s 7 | 1n32 | 1s35 | 3n40 | 20n10 | 0n27 | 22n17 | 0s58 | 2s10 | 0n47 | 21s 3 | 0n57 | 1n10 | 17n15 | 6s 8 | 6s 0 | 7s42 | 17n 2 | 5s58 | W 1 |
| T 2 | 7 19 | 17 32 | 2 20 | 14 54 | 1 8 | 18 58 | 1 28 | 1 29 | 3 41 | 20 12 | 0 27 | 22 17 | 0 57 | 2 10 | 0 47 | 21 2 | 0 57 | 1 11 | 17 16 | 6 8 | 6 2 | 7 38 | 17 3 | 5 58 | T 2 |
| F 3 | 6 56 | 12 39 | 1 19 | 14 54 | 0 56 | 18 47 | 1 24 | 1 24 | 3 41 | 20 13 | 0 27 | 22 17 | 0 57 | 2 9 | 0 47 | 21 2 | 0 57 | 1 11 | 17 16 | 6 8 | 6 3 | 7 35 | 17 3 | 5 57 | F 3 |
| S 4 | 6 32 | 7 19 | 0 14 | 14 52 | 0 44 | 18 37 | 1 20 | 1 18 | 3 42 | 20 14 | 0 27 | 22 17 | 0 57 | 2 8 | 0 47 | 21 2 | 0 57 | 1 12 | 17 17 | 6 8 | 6 4 | 7 32 | 17 3 | 5 57 | S 4 |
| S 5 | 6 9 | 1 45 | 0n51 | 14 49 | 0 33 | 18 25 | 1 16 | 1 11 | 3 42 | 20 15 | 0 27 | 22 17 | 0 57 | 2 7 | 0 48 | 21 2 | 0 57 | 1 13 | 17 17 | 6 8 | 6 5 | 7 28 | 17 4 | 5 57 | S 5 |
| M 6 | 5 46 | 3n54 | 1 55 | 14 44 | 0 22 | 18 14 | 1 12 | 1 5 | 3 43 | 20 16 | 0 27 | 22 18 | 0 57 | 2 6 | 0 48 | 21 2 | 0 57 | 1 13 | 17 18 | 6 8 | 6 6 | 7 25 | 17 4 | 5 56 | M 6 |
| T 7 | 5 23 | 9 26 | 2 53 | 14 38 | 0 11 | 18 1 | 1 8 | 0 58 | 3 43 | 20 16 | 0 27 | 22 18 | 0 56 | 2 5 | 0 48 | 21 1 | 0 57 | 1 14 | 17 18 | 6 8 | 6 8 | 7 22 | 17 5 | 5 56 | T 7 |
| W 8 | 4 59 | 14 41 | 3 45 | 14 30 | 0 1 | 17 48 | 1 4 | 0 52 | 3 44 | 20 17 | 0 27 | 22 18 | 0 56 | 2 4 | 0 48 | 21 1 | 0 57 | 1 15 | 17 19 | 6 9 | 6 9 | 7 18 | 17 5 | 5 56 | W 8 |
| T 9 | 4 36 | 19 27 | 4 27 | 14 21 | 0s 9 | 17 35 | 1 0 | 0 45 | 3 44 | 20 18 | 0 27 | 22 18 | 0 56 | 2 3 | 0 48 | 21 1 | 0 57 | 1 15 | 17 19 | 6 9 | 6 10 | 7 15 | 17 5 | 5 55 | T 9 |
| F 10 | 4 12 | 23 28 | 4 58 | 14 10 | 0 19 | 17 21 | 0 56 | 0 37 | 3 44 | 20 19 | 0 27 | 22 18 | 0 56 | 2 2 | 0 48 | 21 1 | 0 57 | 1 16 | 17 20 | 6 9 | 6 11 | 7 12 | 17 6 | 5 55 | F 10 |
| S 11 | 3 49 | 26 28 | 5 15 | 13 58 | 0 29 | 17 7 | 0 52 | 0 30 | 3 44 | 20 20 | 0 28 | 22 19 | 0 56 | 2 1 | 0 48 | 21 0 | 0 57 | 1 17 | 17 20 | 6 9 | 6 12 | 7 8 | 17 6 | 5 55 | S 11 |
| S 12 | 3 25 | 28 10 | 5 16 | 13 44 | 0 38 | 16 52 | 0 48 | 0 23 | 3 44 | 20 20 | 0 28 | 22 19 | 0 55 | 2 0 | 0 48 | 21 0 | 0 57 | 1 18 | 17 20 | 6 9 | 6 14 | 7 5 | 17 7 | 5 54 | S 12 |
| M13 | 3 1 | 28 18 | 5 1 | 13 29 | 0 46 | 16 37 | 0 44 | 0 15 | 3 44 | 20 21 | 0 28 | 22 19 | 0 55 | 1 59 | 0 48 | 21 0 | 0 57 | 1 18 | 17 21 | 6 9 | 6 15 | 7 2 | 17 7 | 5 54 | M13 |
| T 14 | 2 38 | 26 42 | 4 28 | 13 13 | 0 55 | 16 21 | 0 40 | 0 7 | 3 44 | 20 21 | 0 28 | 22 19 | 0 55 | 1 58 | 0 48 | 21 0 | 0 57 | 1 19 | 17 21 | 6 9 | 6 16 | 6 58 | 17 7 | 5 54 | T 14 |
| W15 | 2 14 | 23 23 | 3 38 | 12 55 | 1 3 | 16 5 | 0 36 | 0n 1 | 3 44 | 20 22 | 0 28 | 22 19 | 0 55 | 1 57 | 0 48 | 21 0 | 0 57 | 1 20 | 17 22 | 6 9 | 6 17 | 6 55 | 17 8 | 5 53 | W15 |
| T 16 | 1 50 | 18 31 | 2 33 | 12 36 | 1 10 | 15 48 | 0 32 | 0 9 | 3 44 | 20 22 | 0 28 | 22 19 | 0 55 | 1 56 | 0 48 | 21 0 | 0 57 | 1 20 | 17 22 | 6 8 | 6 19 | 6 52 | 17 8 | 5 53 | T 16 |
| F 17 | 1 26 | 12 25 | 1 16 | 12 16 | 1 17 | 15 31 | 0 28 | 0 17 | 3 44 | 20 23 | 0 28 | 22 20 | 0 55 | 1 55 | 0 48 | 20 59 | 0 57 | 1 21 | 17 23 | 6 8 | 6 20 | 6 48 | 17 9 | 5 53 | F 17 |
| S 18 | 1 3 | 5 31 | 0s 7 | 11 55 | 1 24 | 15 14 | 0 24 | 0 25 | 3 43 | 20 23 | 0 28 | 22 20 | 0 54 | 1 54 | 0 48 | 20 59 | 0 57 | 1 22 | 17 23 | 6 8 | 6 21 | 6 45 | 17 9 | 5 52 | S 18 |
| S 19 | 0 39 | 1s43 | 1 30 | 11 32 | 1 31 | 14 56 | 0 20 | 0 33 | 3 43 | 20 24 | 0 28 | 22 20 | 0 54 | 1 53 | 0 48 | 20 59 | 0 57 | 1 22 | 17 23 | 6 8 | 6 22 | 6 42 | 17 10 | 5 52 | S 19 |
| M20 | 0 15 | 8 48 | 2 46 | 11 8 | 1 37 | 14 37 | 0 16 | 0 42 | 3 42 | 20 24 | 0 28 | 22 20 | 0 54 | 1 52 | 0 48 | 20 59 | 0 57 | 1 23 | 17 24 | 6 9 | 6 23 | 6 38 | 17 10 | 5 51 | M20 |
| T 21 | 0n 9 | 15 17 | 3 50 | 10 43 | 1 42 | 14 18 | 0 13 | 0 50 | 3 41 | 20 24 | 0 28 | 22 20 | 0 54 | 1 51 | 0 48 | 20 59 | 0 57 | 1 24 | 17 24 | 6 9 | 6 25 | 6 35 | 17 10 | 5 51 | T 21 |
| W22 | 0 33 | 20 45 | 4 37 | 10 17 | 1 48 | 13 59 | 0 9 | 0 59 | 3 40 | 20 25 | 0 28 | 22 20 | 0 54 | 1 50 | 0 48 | 20 58 | 0 57 | 1 25 | 17 25 | 6 10 | 6 26 | 6 32 | 17 11 | 5 51 | W22 |
| T 23 | 0 56 | 24 53 | 5 6 | 9 50 | 1 53 | 13 39 | 0 5 | 1 7 | 3 40 | 20 25 | 0 28 | 22 20 | 0 53 | 1 49 | 0 48 | 20 58 | 0 57 | 1 25 | 17 25 | 6 11 | 6 27 | 6 28 | 17 11 | 5 50 | T 23 |
| F 24 | 1 20 | 27 27 | 5 16 | 9 21 | 1 57 | 13 19 | 0 2 | 1 15 | 3 39 | 20 25 | 0 28 | 22 20 | 0 53 | 1 48 | 0 48 | 20 58 | 0 57 | 1 26 | 17 25 | 6 12 | 6 28 | 6 25 | 17 12 | 5 50 | F 24 |
| S 25 | 1 44 | 28 25 | 5 9 | 8 52 | 2 1 | 12 59 | 0s 2 | 1 24 | 3 38 | 20 25 | 0 28 | 22 21 | 0 53 | 1 47 | 0 48 | 20 58 | 0 57 | 1 27 | 17 26 | 6 12 | 6 29 | 6 22 | 17 12 | 5 50 | S 25 |
| S 26 | 2 7 | 27 49 | 4 48 | 8 21 | 2 5 | 12 38 | 0 6 | 1 32 | 3 36 | 20 25 | 0 28 | 22 21 | 0 53 | 1 46 | 0 48 | 20 58 | 0 57 | 1 27 | 17 26 | 6 12 | 6 31 | 6 18 | 17 13 | 5 49 | S 26 |
| M27 | 2 31 | 25 50 | 4 13 | 7 49 | 2 8 | 12 17 | 0 9 | 1 40 | 3 35 | 20 25 | 0 28 | 22 21 | 0 53 | 1 45 | 0 48 | 20 58 | 0 57 | 1 28 | 17 26 | 6 12 | 6 32 | 6 15 | 17 13 | 5 49 | M27 |
| T 28 | 2 55 | 22 42 | 3 27 | 7 17 | 2 11 | 11 55 | 0 12 | 1 48 | 3 34 | 20 25 | 0 28 | 22 21 | 0 52 | 1 44 | 0 48 | 20 58 | 0 57 | 1 29 | 17 27 | 6 11 | 6 33 | 6 11 | 17 14 | 5 49 | T 28 |
| W29 | 3 18 | 18 39 | 2 34 | 6 43 | 2 13 | 11 34 | 0 16 | 1 56 | 3 32 | 20 25 | 0 28 | 22 21 | 0 52 | 1 43 | 0 48 | 20 57 | 0 57 | 1 29 | 17 27 | 6 11 | 6 34 | 6 8 | 17 14 | 5 48 | W29 |
| T 30 | 3 42 | 13 56 | 1 34 | 6 8 | 2 15 | 11 11 | 0 19 | 2 4 | 3 31 | 20 25 | 0 28 | 22 21 | 0 52 | 1 42 | 0 48 | 20 57 | 0 57 | 1 30 | 17 27 | 6 10 | 6 36 | 6 5 | 17 15 | 5 48 | T 30 |
| F 31 | 4n 5 | 8s43 | 0s30 | 5s32 | 2s17 | 10s49 | 0s23 | 2n12 | 3n29 | 20n25 | 0n28 | 22n21 | 0s52 | 1s41 | 0n48 | 20s57 | 0n57 | 1n31 | 17n28 | 6s10 | 6s37 | 6s 1 | 17n15 | 5s48 | F 31 |

Julian Day Number = 2807715.5, Delta T = 52m12s
Ecliptic obliquity = 23°18'56, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°23'27, Lahiri = 37°30'27


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# ASTRODIENST EPHEMERIS for the year 2975
# geocentric

## APRIL 2975 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 38 22 | 11♈21'33 | 20♓31 | 22♓55 | 3♓53 | 2°R10 | 0♌27 | 5♋10 | 6°R 3 | 19♑34 | 11°R16 | 14°R16 | 13♓ 2 | 14♓28 | 21♊24 | S 1 |
| S 2 | 12 42 19 | 12°21'19 | 2♈21 | 24°32 | 5° 5 | 1♎47 | 0°28 | 5°13 | 6♎ 0 | 19°35 | 11♏15 | 14♓14 | 12°59 | 14°34 | 21°26 | S 2 |
| M 3 | 12 46 15 | 13°21'04 | 14°18 | 26°11 | 6°17 | 1°24 | 0°29 | 5°16 | 5°58 | 19°35 | 11°14 | 14°12 | 12°56 | 14°41 | 21°28 | M 3 |
| T 4 | 12 50 12 | 14°20'47 | 26°22 | 27°52 | 7°30 | 1° 2 | 0°31 | 5°19 | 5°55 | 19°36 | 11°12 | 14° 7 | 12°52 | 14°48 | 21°31 | T 4 |
| W 5 | 12 54 8 | 15°20'27 | 8♉35 | 29°33 | 8°42 | 0°40 | 0°33 | 5°22 | 5°53 | 19°36 | 11°11 | 14° 2 | 12°49 | 14°54 | 21°33 | W 5 |
| T 6 | 12 58 5 | 16°20'06 | 20°59 | 1♈16 | 9°54 | 0°19 | 0°35 | 5°25 | 5°50 | 19°37 | 11° 9 | 13°56 | 12°46 | 15° 1 | 21°36 | T 6 |
| F 7 | 13 2 1 | 17°19'42 | 3♊35 | 3° 0 | 11° 6 | 29♍58 | 0°37 | 5°29 | 5°48 | 19°37 | 11° 8 | 13°51 | 12°43 | 15° 8 | 21°39 | F 7 |
| S 8 | 13 5 58 | 18°19'17 | 16°25 | 4°45 | 12°18 | 29°37 | 0°39 | 5°32 | 5°45 | 19°38 | 11° 6 | 13°46 | 12°40 | 15°14 | 21°41 | S 8 |
| S 9 | 13 9 55 | 19°18'49 | 29°29 | 6°31 | 13°30 | 29°18 | 0°42 | 5°35 | 5°42 | 19°38 | 11° 5 | 13°43 | 12°36 | 15°21 | 21°44 | S 9 |
| M10 | 13 13 51 | 20°18'19 | 12♋50 | 8°19 | 14°43 | 28°58 | 0°44 | 5°39 | 5°40 | 19°39 | 11° 3 | 13°41 | 12°33 | 15°28 | 21°47 | M10 |
| T 11 | 13 17 48 | 21°17'47 | 26°30 | 10° 8 | 15°55 | 28°40 | 0°47 | 5°43 | 5°37 | 19°39 | 11° 2 | 13°D41 | 12°30 | 15°34 | 21°50 | T 11 |
| W12 | 13 21 44 | 22°17'12 | 10♌28 | 11°59 | 17° 7 | 28°21 | 0°50 | 5°47 | 5°35 | 19°39 | 11° 0 | 13°42 | 12°27 | 15°41 | 21°53 | W12 |
| T 13 | 13 25 41 | 23°16'36 | 24°46 | 13°51 | 18°20 | 28° 4 | 0°53 | 5°51 | 5°33 | 19°40 | 10°58 | 13°43 | 12°24 | 15°47 | 21°56 | T 13 |
| F 14 | 13 29 37 | 24°15'56 | 9♍20 | 15°44 | 19°32 | 27°47 | 0°57 | 5°55 | 5°30 | 19°40 | 10°57 | 13°R44 | 12°21 | 15°54 | 21°59 | F 14 |
| S 15 | 13 33 34 | 25°15'15 | 24° 9 | 17°38 | 20°44 | 27°31 | 1° 0 | 5°59 | 5°28 | 19°40 | 10°55 | 13°44 | 12°17 | 16° 1 | 22° 2 | S 15 |
| S 16 | 13 37 30 | 26°14'31 | 9♎ 5 | 19°34 | 21°57 | 27°15 | 1° 4 | 6° 3 | 5°25 | 19°40 | 10°54 | 13°42 | 12°14 | 16° 7 | 22° 5 | S 16 |
| M17 | 13 41 27 | 27°13'45 | 24° 0 | 21°31 | 23° 9 | 27° 1 | 1° 8 | 6° 7 | 5°23 | 19°40 | 10°52 | 13°37 | 12°11 | 16°14 | 22° 9 | M17 |
| T 18 | 13 45 24 | 28°12'57 | 8♏47 | 23°29 | 24°22 | 26°47 | 1°12 | 6°11 | 5°20 | 19°40 | 10°50 | 13°31 | 12° 8 | 16°21 | 22°12 | T 18 |
| W19 | 13 49 20 | 29°12'08 | 23°17 | 25°29 | 25°34 | 26°33 | 1°17 | 6°16 | 5°18 | 19°41 | 10°49 | 13°24 | 12° 5 | 16°27 | 22°15 | W19 |
| T 20 | 13 53 17 | 0♉11'16 | 7♐25 | 27°30 | 26°47 | 26°21 | 1°21 | 6°20 | 5°16 | 19°41 | 10°47 | 13°17 | 12° 2 | 16°34 | 22°19 | T 20 |
| F 21 | 13 57 13 | 1°10'23 | 21° 5 | 29°31 | 27°59 | 26° 9 | 1°26 | 6°25 | 5°14 | 19°R41 | 10°45 | 13°10 | 11°58 | 16°41 | 22°22 | F 21 |
| S 22 | 14 1 10 | 2° 9'28 | 4♑19 | 1♉34 | 29°12 | 25°58 | 1°31 | 6°30 | 5°11 | 19°41 | 10°44 | 13° 4 | 11°55 | 16°47 | 22°25 | S 22 |
| S 23 | 14 5 6 | 3° 8'32 | 17° 7 | 3°38 | 0♈24 | 25°48 | 1°35 | 6°34 | 5° 9 | 19°41 | 10°42 | 13° 1 | 11°52 | 16°54 | 22°29 | S 23 |
| M24 | 14 9 3 | 4° 7'33 | 29°32 | 5°43 | 1°37 | 25°38 | 1°41 | 6°39 | 5° 7 | 19°40 | 10°40 | 13°D 0 | 11°49 | 17° 1 | 22°33 | M24 |
| T 25 | 14 12 59 | 5° 6'33 | 11♒40 | 7°48 | 2°50 | 25°29 | 1°46 | 6°44 | 5° 5 | 19°40 | 10°39 | 13° 0 | 11°46 | 17° 7 | 22°36 | T 25 |
| W26 | 14 16 56 | 6° 5'31 | 23°35 | 9°54 | 4° 2 | 25°21 | 1°51 | 6°49 | 5° 3 | 19°40 | 10°37 | 13° 1 | 11°42 | 17°14 | 22°40 | W26 |
| T 27 | 14 20 53 | 7° 4'28 | 5♓24 | 12° 0 | 5°15 | 25°14 | 1°57 | 6°54 | 5° 0 | 19°40 | 10°35 | 13° 2 | 11°39 | 17°20 | 22°44 | T 27 |
| F 28 | 14 24 49 | 8° 3'22 | 17°10 | 14° 5 | 6°28 | 25° 8 | 2° 3 | 6°59 | 4°58 | 19°40 | 10°34 | 13°R 2 | 11°36 | 17°27 | 22°47 | F 28 |
| S 29 | 14 28 46 | 9° 2'15 | 28°59 | 16°11 | 7°40 | 25° 2 | 2° 9 | 7° 5 | 4°56 | 19°40 | 10°32 | 13° 0 | 11°33 | 17°34 | 22°51 | S 29 |
| S 30 | 14 32 42 | 10♉ 1'06 | 10♈54 | 18♉16 | 8♈53 | 24♍57 | 2♌15 | 7♋10 | 4♎54 | 19♑39 | 10♏30 | 12♓57 | 11♓30 | 17♓40 | 22♊55 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n28 | 3s13 | 0n34 | 4s55 | 2s18 | 10s26 | 0s26 | 2n19 | 3n28 | 20n25 | 0n28 | 22n21 | 0s52 | 1s40 | 0n48 | 20s57 | 0n57 | 1n31 | 17n28 | 6s10 | 6s38 | 5s58 | 17n15 | 5s48 |
| S 2 | 4 51 | 2n26 | 1 38 | 4 17 | 2 19 | 10 3 | 0 29 | 2 27 | 3 26 | 20 24 | 0 28 | 22 21 | 0 52 | 1 39 | 0 48 | 20 57 | 0 57 | 1 32 | 17 28 | 6 10 | 6 39 | 5 55 | 17 16 | 5 47 |
| M 3 | 5 15 | 8 2 | 2 37 | 3 38 | 2 19 | 9 39 | 0 32 | 2 34 | 3 24 | 20 24 | 0 28 | 22 21 | 0 51 | 1 38 | 0 48 | 20 57 | 0 57 | 1 33 | 17 29 | 6 11 | 6 40 | 5 51 | 17 16 | 5 47 |
| T 4 | 5 38 | 13 24 | 3 31 | 2 58 | 2 19 | 9 16 | 0 35 | 2 41 | 3 22 | 20 24 | 0 28 | 22 21 | 0 51 | 1 37 | 0 48 | 20 57 | 0 57 | 1 34 | 17 29 | 6 13 | 6 42 | 5 48 | 17 17 | 5 47 |
| W 5 | 6 1 | 18 19 | 4 15 | 2 18 | 2 18 | 8 52 | 0 38 | 2 48 | 3 20 | 20 23 | 0 28 | 22 22 | 0 51 | 1 36 | 0 48 | 20 57 | 0 57 | 1 34 | 17 29 | 6 15 | 6 43 | 5 45 | 17 17 | 5 46 |
| T 6 | 6 23 | 22 32 | 4 47 | 1 36 | 2 17 | 8 27 | 0 41 | 2 55 | 3 18 | 20 23 | 0 28 | 22 22 | 0 51 | 1 35 | 0 48 | 20 57 | 0 57 | 1 35 | 17 29 | 6 17 | 6 44 | 5 41 | 17 18 | 5 46 |
| F 7 | 6 46 | 25 47 | 5 7 | 0 54 | 2 16 | 8 3 | 0 44 | 3 1 | 3 16 | 20 23 | 0 28 | 22 22 | 0 51 | 1 34 | 0 48 | 20 56 | 0 57 | 1 36 | 17 30 | 6 19 | 6 45 | 5 38 | 17 18 | 5 46 |
| S 8 | 7 9 | 27 47 | 5 11 | 0 10 | 2 14 | 7 38 | 0 47 | 3 7 | 3 14 | 20 22 | 0 28 | 22 22 | 0 50 | 1 33 | 0 48 | 20 56 | 0 58 | 1 36 | 17 30 | 6 21 | 6 46 | 5 34 | 17 19 | 5 45 |
| S 9 | 7 31 | 28 19 | 5 0 | 0n34 | 2 11 | 7 13 | 0 50 | 3 13 | 3 12 | 20 22 | 0 28 | 22 22 | 0 50 | 1 32 | 0 48 | 20 56 | 0 58 | 1 37 | 17 30 | 6 22 | 6 48 | 5 31 | 17 19 | 5 45 |
| M10 | 7 54 | 27 13 | 4 33 | 1 19 | 2 8 | 6 48 | 0 53 | 3 19 | 3 10 | 20 21 | 0 28 | 22 22 | 0 50 | 1 31 | 0 48 | 20 56 | 0 58 | 1 37 | 17 30 | 6 23 | 6 49 | 5 28 | 17 20 | 5 45 |
| T 11 | 8 16 | 24 30 | 3 49 | 2 5 | 2 5 | 6 23 | 0 55 | 3 24 | 3 7 | 20 20 | 0 28 | 22 22 | 0 50 | 1 30 | 0 48 | 20 56 | 0 58 | 1 38 | 17 31 | 6 23 | 6 50 | 5 24 | 17 20 | 5 45 |
| W12 | 8 38 | 20 16 | 2 51 | 2 52 | 2 1 | 5 57 | 0 58 | 3 29 | 3 5 | 20 20 | 0 28 | 22 22 | 0 50 | 1 29 | 0 48 | 20 56 | 0 58 | 1 39 | 17 31 | 6 23 | 6 51 | 5 21 | 17 20 | 5 44 |
| T 13 | 9 0 | 14 48 | 1 41 | 3 39 | 1 56 | 5 31 | 1 0 | 3 34 | 3 3 | 20 19 | 0 28 | 22 22 | 0 50 | 1 28 | 0 47 | 20 56 | 0 58 | 1 39 | 17 31 | 6 22 | 6 52 | 5 18 | 17 21 | 5 44 |
| F 14 | 9 22 | 8 24 | 0 24 | 4 27 | 1 51 | 5 5 | 1 3 | 3 38 | 3 0 | 20 18 | 0 28 | 22 22 | 0 49 | 1 27 | 0 47 | 20 56 | 0 58 | 1 40 | 17 31 | 6 22 | 6 54 | 5 14 | 17 21 | 5 44 |
| S 15 | 9 43 | 1 27 | 0s56 | 5 15 | 1 46 | 4 39 | 1 5 | 3 42 | 2 58 | 20 18 | 0 28 | 22 22 | 0 49 | 1 26 | 0 47 | 20 56 | 0 58 | 1 41 | 17 31 | 6 22 | 6 55 | 5 11 | 17 22 | 5 43 |
| S 16 | 10 5 | 5s37 | 2 13 | 6 5 | 1 40 | 4 13 | 1 8 | 3 46 | 2 55 | 20 17 | 0 28 | 22 22 | 0 49 | 1 25 | 0 47 | 20 56 | 0 58 | 1 41 | 17 31 | 6 23 | 6 56 | 5 7 | 17 22 | 5 43 |
| M17 | 10 26 | 12 23 | 3 21 | 6 54 | 1 33 | 3 46 | 1 10 | 3 50 | 2 53 | 20 16 | 0 28 | 22 22 | 0 49 | 1 24 | 0 47 | 20 56 | 0 58 | 1 42 | 17 32 | 6 24 | 6 57 | 5 4 | 17 23 | 5 43 |
| T 18 | 10 47 | 18 22 | 4 14 | 7 44 | 1 26 | 3 20 | 1 12 | 3 53 | 2 50 | 20 15 | 0 28 | 22 22 | 0 49 | 1 23 | 0 47 | 20 56 | 0 58 | 1 42 | 17 32 | 6 27 | 6 59 | 5 1 | 17 23 | 5 43 |
| W19 | 11 8 | 23 10 | 4 50 | 8 35 | 1 19 | 2 53 | 1 14 | 3 56 | 2 48 | 20 14 | 0 29 | 22 22 | 0 49 | 1 22 | 0 47 | 20 56 | 0 58 | 1 43 | 17 32 | 6 30 | 7 0 | 4 57 | 17 24 | 5 42 |
| T 20 | 11 29 | 26 29 | 5 7 | 9 25 | 1 11 | 2 26 | 1 16 | 3 59 | 2 45 | 20 13 | 0 29 | 22 22 | 0 48 | 1 21 | 0 47 | 20 56 | 0 58 | 1 44 | 17 32 | 6 32 | 7 1 | 4 54 | 17 24 | 5 42 |
| F 21 | 11 49 | 28 6 | 5 5 | 10 16 | 1 2 | 1 59 | 1 18 | 4 1 | 2 43 | 20 12 | 0 29 | 22 21 | 0 48 | 1 20 | 0 47 | 20 56 | 0 58 | 1 44 | 17 32 | 6 35 | 7 2 | 4 51 | 17 24 | 5 42 |
| S 22 | 12 10 | 28 2 | 4 48 | 11 7 | 0 54 | 1 32 | 1 20 | 4 3 | 2 40 | 20 11 | 0 29 | 22 21 | 0 48 | 1 20 | 0 47 | 20 56 | 0 58 | 1 45 | 17 32 | 6 37 | 7 3 | 4 47 | 17 25 | 5 42 |
| S 23 | 12 30 | 26 27 | 4 16 | 11 58 | 0 44 | 1 5 | 1 22 | 4 5 | 2 38 | 20 10 | 0 29 | 22 21 | 0 48 | 1 19 | 0 47 | 20 56 | 0 58 | 1 45 | 17 32 | 6 38 | 7 5 | 4 44 | 17 25 | 5 41 |
| M24 | 12 50 | 23 36 | 3 33 | 12 49 | 0 35 | 0 38 | 1 23 | 4 6 | 2 35 | 20 9 | 0 29 | 22 21 | 0 48 | 1 18 | 0 47 | 20 56 | 0 58 | 1 46 | 17 32 | 6 39 | 7 6 | 4 40 | 17 26 | 5 41 |
| T 25 | 13 9 | 19 46 | 2 41 | 13 39 | 0 25 | 0 11 | 1 25 | 4 7 | 2 32 | 20 8 | 0 29 | 22 21 | 0 48 | 1 17 | 0 47 | 20 56 | 0 58 | 1 46 | 17 32 | 6 39 | 7 7 | 4 37 | 17 26 | 5 41 |
| W26 | 13 29 | 15 12 | 1 43 | 14 29 | 0 15 | 0n16 | 1 27 | 4 8 | 2 30 | 20 7 | 0 29 | 22 21 | 0 47 | 1 16 | 0 47 | 20 56 | 0 58 | 1 47 | 17 32 | 6 38 | 7 8 | 4 34 | 17 27 | 5 41 |
| T 27 | 13 48 | 10 7 | 0 41 | 15 18 | 0 4 | 0 44 | 1 28 | 4 8 | 2 27 | 20 5 | 0 29 | 22 21 | 0 47 | 1 15 | 0 47 | 20 56 | 0 58 | 1 47 | 17 32 | 6 38 | 7 9 | 4 30 | 17 27 | 5 41 |
| F 28 | 14 7 | 4 42 | 0n22 | 16 6 | 0n 7 | 1 11 | 1 29 | 4 8 | 2 25 | 20 4 | 0 29 | 22 21 | 0 47 | 1 15 | 0 47 | 20 56 | 0 58 | 1 48 | 17 33 | 6 38 | 7 11 | 4 27 | 17 27 | 5 40 |
| S 29 | 14 26 | 0n53 | 1 25 | 16 53 | 0 18 | 1 38 | 1 31 | 4 8 | 2 22 | 20 3 | 0 29 | 22 21 | 0 47 | 1 14 | 0 47 | 20 56 | 0 58 | 1 48 | 17 33 | 6 39 | 7 12 | 4 23 | 17 28 | 5 40 |
| S 30 | 14n45 | 6n30 | 2n24 | 17n38 | 0n29 | 2n 6 | 1s32 | 4n 8 | 2n20 | 20n 1 | 0n29 | 22n21 | 0s47 | 1s13 | 0n47 | 20s56 | 0n58 | 1n49 | 17n33 | 6s40 | 7s13 | 4s20 | 17n28 | 5s40 |

Julian Day Number = 2807746.5, Delta T = 52m13s
Ecliptic obliquity = 23°18'56, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°23'31, Lahiri = 37°30'32


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# ASTRODIENST EPHEMERIS for the year 2975
# geocentric

## MAY 2975 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 36 39 | 10♉59'55 | 22♈59 | 20♉20 | 10♈ 6 | 24°R53 | 2♌21 | 7♋15 | 4°R52 | 19°R39 | 10°R29 | 12°R50 | 11♓27 | 17♓47 | 22♊59 | M 1 |
| T 2 | 14 40 35 | 11°58'43 | 5♉15 | 22°23 | 11°19 | 24♍50 | 2°27 | 7°21 | 4♎50 | 19♑39 | 10♏27 | 12♓42 | 11°23 | 17°54 | 23° 3 | T 2 |
| W 3 | 14 44 32 | 12°57'28 | 17°44 | 24°24 | 12°31 | 24°48 | 2°34 | 7°26 | 4°49 | 19°38 | 10°25 | 12°32 | 11°20 | 18° 0 | 23° 7 | W 3 |
| T 4 | 14 48 28 | 13°56'12 | 0♊26 | 26°23 | 13°44 | 24°46 | 2°40 | 7°32 | 4°47 | 19°38 | 10°23 | 12°20 | 11°17 | 18° 7 | 23°11 | T 4 |
| F 5 | 14 52 25 | 14°54'54 | 13°21 | 28°20 | 14°57 | 24°45 | 2°47 | 7°38 | 4°45 | 19°37 | 10°22 | 12°10 | 11°14 | 18°14 | 23°15 | F 5 |
| S 6 | 14 56 22 | 15°53'34 | 26°29 | 0♊14 | 16°10 | 24°D45 | 2°54 | 7°43 | 4°43 | 19°37 | 10°20 | 12° 0 | 11°11 | 18°20 | 23°19 | S 6 |
| S 7 | 15 0 18 | 16°52'11 | 9♋48 | 2° 5 | 17°22 | 24°45 | 3° 1 | 7°49 | 4°41 | 19°36 | 10°18 | 11°52 | 11° 8 | 18°27 | 23°23 | S 7 |
| M 8 | 15 4 15 | 17°50'47 | 23°19 | 3°54 | 18°35 | 24°47 | 3° 9 | 7°55 | 4°40 | 19°36 | 10°17 | 11°48 | 11° 4 | 18°34 | 23°27 | M 8 |
| T 9 | 15 8 11 | 18°49'20 | 7♌ 1 | 5°39 | 19°48 | 24°49 | 3°16 | 8° 1 | 4°38 | 19°35 | 10°15 | 11°45 | 11° 1 | 18°40 | 23°31 | T 9 |
| W10 | 15 12 8 | 19°47'51 | 20°55 | 7°20 | 21° 1 | 24°51 | 3°23 | 8° 7 | 4°36 | 19°35 | 10°13 | 11°D45 | 10°58 | 18°47 | 23°36 | W10 |
| T 11 | 15 16 4 | 20°46'20 | 5♍ 1 | 8°57 | 22°14 | 24°55 | 3°31 | 8°13 | 4°35 | 19°34 | 10°12 | 11°R45 | 10°55 | 18°54 | 23°40 | T 11 |
| F 12 | 15 20 1 | 21°44'47 | 19°17 | 10°31 | 23°27 | 24°59 | 3°39 | 8°19 | 4°33 | 19°34 | 10°10 | 11°45 | 10°52 | 19° 0 | 23°44 | F 12 |
| S 13 | 15 23 57 | 22°43'12 | 3♎43 | 12° 0 | 24°39 | 25° 4 | 3°47 | 8°25 | 4°32 | 19°33 | 10° 8 | 11°43 | 10°48 | 19° 7 | 23°49 | S 13 |
| S 14 | 15 27 54 | 23°41'35 | 18°14 | 13°25 | 25°52 | 25° 9 | 3°55 | 8°32 | 4°30 | 19°32 | 10° 7 | 11°39 | 10°45 | 19°13 | 23°53 | S 14 |
| M15 | 15 31 51 | 24°39'55 | 2♏47 | 14°46 | 27° 5 | 25°15 | 4° 3 | 8°38 | 4°29 | 19°31 | 10° 5 | 11°32 | 10°42 | 19°20 | 23°57 | M15 |
| T 16 | 15 35 47 | 25°38'14 | 17°14 | 16° 2 | 28°18 | 25°22 | 4°11 | 8°44 | 4°28 | 19°31 | 10° 4 | 11°23 | 10°39 | 19°27 | 24° 2 | T 16 |
| W17 | 15 39 44 | 26°36'31 | 1♐29 | 17°14 | 29°31 | 25°30 | 4°20 | 8°51 | 4°26 | 19°30 | 10° 2 | 11°12 | 10°36 | 19°33 | 24° 6 | W17 |
| T 18 | 15 43 40 | 27°34'47 | 15°27 | 18°21 | 0♑44 | 25°38 | 4°28 | 8°57 | 4°25 | 19°29 | 10° 0 | 11° 1 | 10°33 | 19°40 | 24°11 | T 18 |
| F 19 | 15 47 37 | 28°33'01 | 29° 3 | 19°24 | 1°57 | 25°46 | 4°37 | 9° 4 | 4°24 | 19°28 | 9°59 | 10°50 | 10°29 | 19°47 | 24°15 | F 19 |
| S 20 | 15 51 33 | 29°31'13 | 12♑15 | 20°21 | 3°10 | 25°56 | 4°45 | 9°10 | 4°23 | 19°27 | 9°57 | 10°41 | 10°26 | 19°53 | 24°20 | S 20 |
| S 21 | 15 55 30 | 0♊29'24 | 25° 4 | 21°14 | 4°22 | 26° 5 | 4°54 | 9°17 | 4°22 | 19°26 | 9°56 | 10°34 | 10°23 | 20° 0 | 24°24 | S 21 |
| M22 | 15 59 26 | 1°27'33 | 7♒31 | 22° 2 | 5°35 | 26°16 | 5° 3 | 9°23 | 4°21 | 19°26 | 9°54 | 10°30 | 10°20 | 20° 7 | 24°29 | M22 |
| T 23 | 16 3 23 | 2°25'41 | 19°40 | 22°45 | 6°48 | 26°27 | 5°12 | 9°30 | 4°20 | 19°25 | 9°52 | 10°28 | 10°17 | 20°13 | 24°33 | T 23 |
| W24 | 16 7 20 | 3°23'48 | 1♓37 | 23°23 | 8° 1 | 26°38 | 5°22 | 9°37 | 4°19 | 19°24 | 9°51 | 10°D27 | 10°14 | 20°20 | 24°38 | W24 |
| T 25 | 16 11 16 | 4°21'53 | 13°27 | 23°55 | 9°14 | 26°50 | 5°31 | 9°44 | 4°18 | 19°23 | 9°49 | 10°R27 | 10°10 | 20°27 | 24°43 | T 25 |
| F 26 | 16 15 13 | 5°19'57 | 25°15 | 24°23 | 10°27 | 27° 3 | 5°40 | 9°51 | 4°17 | 19°22 | 9°48 | 10°26 | 10° 7 | 20°33 | 24°47 | F 26 |
| S 27 | 16 19 9 | 6°17'59 | 7♈ 6 | 24°46 | 11°40 | 27°16 | 5°50 | 9°58 | 4°16 | 19°21 | 9°46 | 10°24 | 10° 4 | 20°40 | 24°52 | S 27 |
| S 28 | 16 23 6 | 7°16'00 | 19° 6 | 25° 3 | 12°53 | 27°30 | 5°59 | 10° 4 | 4°15 | 19°19 | 9°45 | 10°20 | 10° 1 | 20°47 | 24°57 | S 28 |
| M29 | 16 27 2 | 8°14'00 | 1♉18 | 25°16 | 14° 6 | 27°44 | 6° 9 | 10°11 | 4°14 | 19°18 | 9°44 | 10°12 | 9°58 | 20°53 | 25° 1 | M29 |
| T 30 | 16 30 59 | 9°11'59 | 13°45 | 25°23 | 15°19 | 27°59 | 6°19 | 10°18 | 4°14 | 19°17 | 9°42 | 10° 3 | 9°54 | 21° 0 | 25° 6 | T 30 |
| W31 | 16 34 55 | 10♊ 9'56 | 26♉29 | 25°R26 | 16♉32 | 28♍14 | 6♌29 | 10♋26 | 4♎13 | 19♑16 | 9♏41 | 9♓51 | 9♓51 | 21♓ 6 | 25♊11 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15n 3 | 11n56 | 3n17 | 18n22 | 0n40 | 2n33 | 1s33 | 4n 7 | 2n17 | 20n 0 | 0n29 | 22n20 | 0s47 | 1s12 | 0n47 | 20s56 | 0n58 | 1n49 | 17n33 | 6s42 | 7s14 | 4s17 | 17n29 | 5s40 |
| T 2 | 15 21 | 17 0 | 4 2 | 19 5 | 0 50 | 3 0 | 1 34 | 4 6 | 2 14 | 19 59 | 0 29 | 22 20 | 0 47 | 1 12 | 0 47 | 20 56 | 0 58 | 1 50 | 17 33 | 6 46 | 7 15 | 4 13 | 17 29 | 5 40 |
| W 3 | 15 39 | 21 27 | 4 36 | 19 46 | 1 1 | 3 28 | 1 35 | 4 5 | 2 12 | 19 57 | 0 29 | 22 20 | 0 46 | 1 11 | 0 47 | 20 56 | 0 58 | 1 50 | 17 32 | 6 50 | 7 17 | 4 10 | 17 29 | 5 39 |
| T 4 | 15 56 | 24 59 | 4 57 | 20 24 | 1 12 | 3 55 | 1 36 | 4 3 | 2 9 | 19 56 | 0 29 | 22 20 | 0 46 | 1 10 | 0 47 | 20 56 | 0 58 | 1 51 | 17 32 | 6 54 | 7 18 | 4 7 | 17 30 | 5 39 |
| F 5 | 16 14 | 27 18 | 5 3 | 21 1 | 1 22 | 4 22 | 1 37 | 4 1 | 2 7 | 19 54 | 0 29 | 22 20 | 0 46 | 1 10 | 0 47 | 20 56 | 0 58 | 1 51 | 17 32 | 6 58 | 7 19 | 4 3 | 17 30 | 5 39 |
| S 6 | 16 31 | 28 10 | 4 54 | 21 35 | 1 31 | 4 49 | 1 38 | 3 59 | 2 4 | 19 52 | 0 29 | 22 20 | 0 46 | 1 9 | 0 47 | 20 56 | 0 58 | 1 52 | 17 32 | 7 2 | 7 20 | 4 0 | 17 30 | 5 39 |
| S 7 | 16 47 | 27 25 | 4 29 | 22 7 | 1 41 | 5 16 | 1 39 | 3 56 | 2 2 | 19 51 | 0 29 | 22 19 | 0 46 | 1 8 | 0 47 | 20 56 | 0 58 | 1 52 | 17 32 | 7 4 | 7 21 | 3 56 | 17 31 | 5 39 |
| M 8 | 17 4 | 25 3 | 3 48 | 22 37 | 1 49 | 5 43 | 1 39 | 3 54 | 2 0 | 19 49 | 0 29 | 22 19 | 0 46 | 1 8 | 0 47 | 20 56 | 0 58 | 1 53 | 17 32 | 7 6 | 7 23 | 3 53 | 17 31 | 5 38 |
| T 9 | 17 20 | 21 13 | 2 54 | 23 4 | 1 57 | 6 10 | 1 40 | 3 51 | 1 57 | 19 48 | 0 29 | 22 19 | 0 45 | 1 7 | 0 47 | 20 56 | 0 58 | 1 53 | 17 32 | 7 7 | 7 24 | 3 50 | 17 32 | 5 38 |
| W10 | 17 36 | 16 10 | 1 48 | 23 28 | 2 5 | 6 37 | 1 40 | 3 47 | 1 55 | 19 46 | 0 29 | 22 19 | 0 45 | 1 6 | 0 47 | 20 56 | 0 58 | 1 53 | 17 32 | 7 7 | 7 25 | 3 46 | 17 32 | 5 38 |
| T 11 | 17 51 | 10 11 | 0 36 | 23 51 | 2 11 | 7 3 | 1 41 | 3 44 | 1 52 | 19 44 | 0 29 | 22 19 | 0 45 | 1 6 | 0 47 | 20 56 | 0 58 | 1 54 | 17 32 | 7 7 | 7 26 | 3 43 | 17 32 | 5 38 |
| F 12 | 18 6 | 3 36 | 0s40 | 24 10 | 2 17 | 7 30 | 1 41 | 3 40 | 1 50 | 19 42 | 0 29 | 22 18 | 0 45 | 1 5 | 0 47 | 20 56 | 0 58 | 1 54 | 17 32 | 7 7 | 7 27 | 3 39 | 17 33 | 5 38 |
| S 13 | 18 21 | 3s13 | 1 54 | 24 28 | 2 22 | 7 56 | 1 41 | 3 36 | 1 48 | 19 40 | 0 29 | 22 18 | 0 45 | 1 5 | 0 47 | 20 56 | 0 58 | 1 54 | 17 32 | 7 8 | 7 29 | 3 36 | 17 33 | 5 38 |
| S 14 | 18 36 | 9 54 | 3 1 | 24 43 | 2 26 | 8 22 | 1 41 | 3 32 | 1 45 | 19 39 | 0 29 | 22 18 | 0 45 | 1 4 | 0 47 | 20 56 | 0 58 | 1 55 | 17 32 | 7 9 | 7 30 | 3 33 | 17 33 | 5 38 |
| M15 | 18 50 | 16 4 | 3 56 | 24 56 | 2 30 | 8 48 | 1 41 | 3 27 | 1 43 | 19 37 | 0 29 | 22 18 | 0 45 | 1 4 | 0 47 | 20 56 | 0 58 | 1 55 | 17 31 | 7 12 | 7 31 | 3 29 | 17 34 | 5 37 |
| T 16 | 19 4 | 21 18 | 4 35 | 25 6 | 2 32 | 9 14 | 1 41 | 3 22 | 1 41 | 19 35 | 0 29 | 22 17 | 0 45 | 1 3 | 0 47 | 20 56 | 0 58 | 1 55 | 17 31 | 7 16 | 7 32 | 3 26 | 17 34 | 5 37 |
| W17 | 19 18 | 25 12 | 4 57 | 25 15 | 2 33 | 9 40 | 1 41 | 3 17 | 1 38 | 19 33 | 0 29 | 22 17 | 0 44 | 1 3 | 0 47 | 20 57 | 0 58 | 1 56 | 17 31 | 7 20 | 7 33 | 3 22 | 17 34 | 5 37 |
| T 18 | 19 31 | 27 30 | 5 0 | 25 22 | 2 34 | 10 5 | 1 41 | 3 12 | 1 36 | 19 31 | 0 29 | 22 17 | 0 44 | 1 2 | 0 46 | 20 57 | 0 58 | 1 56 | 17 31 | 7 24 | 7 35 | 3 19 | 17 34 | 5 37 |
| F 19 | 19 44 | 28 5 | 4 47 | 25 26 | 2 33 | 10 30 | 1 41 | 3 7 | 1 34 | 19 29 | 0 29 | 22 16 | 0 44 | 1 2 | 0 46 | 20 57 | 0 58 | 1 56 | 17 31 | 7 28 | 7 36 | 3 16 | 17 35 | 5 37 |
| S 20 | 19 57 | 27 2 | 4 17 | 25 29 | 2 31 | 10 55 | 1 41 | 3 1 | 1 32 | 19 27 | 0 29 | 22 16 | 0 44 | 1 1 | 0 46 | 20 57 | 0 58 | 1 57 | 17 30 | 7 32 | 7 37 | 3 12 | 17 35 | 5 37 |
| S 21 | 20 9 | 24 33 | 3 36 | 25 30 | 2 29 | 11 20 | 1 40 | 2 55 | 1 30 | 19 25 | 0 29 | 22 16 | 0 44 | 1 1 | 0 46 | 20 57 | 0 58 | 1 57 | 17 30 | 7 34 | 7 38 | 3 9 | 17 35 | 5 37 |
| M22 | 20 21 | 20 58 | 2 45 | 25 29 | 2 25 | 11 45 | 1 40 | 2 49 | 1 28 | 19 22 | 0 29 | 22 15 | 0 44 | 1 0 | 0 46 | 20 57 | 0 58 | 1 57 | 17 30 | 7 36 | 7 39 | 3 5 | 17 36 | 5 37 |
| T 23 | 20 32 | 16 33 | 1 48 | 25 27 | 2 20 | 12 9 | 1 39 | 2 43 | 1 25 | 19 20 | 0 29 | 22 15 | 0 44 | 1 0 | 0 46 | 20 57 | 0 58 | 1 57 | 17 30 | 7 36 | 7 41 | 3 2 | 17 36 | 5 37 |
| W24 | 20 44 | 11 34 | 0 47 | 25 23 | 2 14 | 12 33 | 1 39 | 2 36 | 1 23 | 19 18 | 0 29 | 22 15 | 0 43 | 1 0 | 0 46 | 20 57 | 0 59 | 1 57 | 17 30 | 7 37 | 7 42 | 2 59 | 17 36 | 5 37 |
| T 25 | 20 54 | 6 14 | 0n16 | 25 17 | 2 7 | 12 57 | 1 38 | 2 30 | 1 21 | 19 16 | 0 29 | 22 14 | 0 43 | 0 59 | 0 46 | 20 57 | 0 59 | 1 58 | 17 29 | 7 37 | 7 43 | 2 55 | 17 36 | 5 36 |
| F 26 | 21 5 | 0 42 | 1 18 | 25 10 | 1 59 | 13 20 | 1 37 | 2 23 | 1 19 | 19 14 | 0 29 | 22 14 | 0 43 | 0 59 | 0 46 | 20 58 | 0 59 | 1 58 | 17 29 | 7 37 | 7 44 | 2 52 | 17 37 | 5 36 |
| S 27 | 21 15 | 4n53 | 2 16 | 25 2 | 1 49 | 13 43 | 1 37 | 2 16 | 1 17 | 19 11 | 0 29 | 22 14 | 0 43 | 0 59 | 0 46 | 20 58 | 0 59 | 1 58 | 17 29 | 7 38 | 7 45 | 2 48 | 17 37 | 5 36 |
| S 28 | 21 25 | 10 22 | 3 9 | 24 52 | 1 39 | 14 6 | 1 36 | 2 8 | 1 15 | 19 9 | 0 29 | 22 13 | 0 43 | 0 59 | 0 46 | 20 58 | 0 59 | 1 58 | 17 28 | 7 39 | 7 46 | 2 45 | 17 37 | 5 36 |
| M29 | 21 34 | 15 32 | 3 55 | 24 41 | 1 28 | 14 29 | 1 35 | 2 1 | 1 13 | 19 6 | 0 29 | 22 13 | 0 43 | 0 58 | 0 46 | 20 58 | 0 59 | 1 58 | 17 28 | 7 42 | 7 48 | 2 42 | 17 37 | 5 36 |
| T 30 | 21 43 | 20 10 | 4 30 | 24 29 | 1 15 | 14 51 | 1 34 | 1 53 | 1 11 | 19 4 | 0 29 | 22 12 | 0 43 | 0 58 | 0 46 | 20 58 | 0 59 | 1 58 | 17 28 | 7 46 | 7 49 | 2 38 | 17 38 | 5 36 |
| W31 | 21n51 | 24n 0 | 4n52 | 24n16 | 1n 2 | 15n13 | 1s33 | 1n46 | 1n 9 | 19n 2 | 0n29 | 22n12 | 0s43 | 0s58 | 0n46 | 20s58 | 0n59 | 1n59 | 17n28 | 7s50 | 7s50 | 2s35 | 17n38 | 5s36 |

Julian Day Number = 2807776.5, Delta T = 52m13s
Ecliptic obliquity = 23°18'55, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°23'35, Lahiri = 37°30'36


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# ASTRODIENST EPHEMERIS for the year 2975
# geocentric

## JUNE 2975 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 38 52 | 11♊ 7'52 | 9♊30 | 25°R24 | 17♉45 | 28♍30 | 6♌39 | 10♋33 | 4°R13 | 19°R15 | 9°R39 | 9°R38 | 9♓48 | 21♓13 | 25♊16 | T 1 |
| F 2 | 16 42 49 | 12° 5'46 | 22°47 | 25♊17 | 18°58 | 28°46 | 6°49 | 10°40 | 4♎12 | 19♑14 | 9♏38 | 9♓25 | 9°45 | 21°20 | 25°20 | F 2 |
| S 3 | 16 46 45 | 13° 3'39 | 6♋18 | 25° 5 | 20°11 | 29° 3 | 6°59 | 10°47 | 4°12 | 19°13 | 9°37 | 9°14 | 9°42 | 21°26 | 25°25 | S 3 |
| S 4 | 16 50 42 | 14° 1'31 | 20° 0 | 24°50 | 21°24 | 29°20 | 7°10 | 10°54 | 4°11 | 19°11 | 9°35 | 9° 5 | 9°39 | 21°33 | 25°30 | S 4 |
| M 5 | 16 54 38 | 14°59'21 | 3♌51 | 24°30 | 22°37 | 29°37 | 7°20 | 11° 1 | 4°11 | 19°10 | 9°34 | 8°59 | 9°35 | 21°40 | 25°35 | M 5 |
| T 6 | 16 58 35 | 15°57'09 | 17°48 | 24° 7 | 23°50 | 29°55 | 7°30 | 11° 9 | 4°11 | 19° 9 | 9°33 | 8°56 | 9°32 | 21°46 | 25°40 | T 6 |
| W 7 | 17 2 31 | 16°54'55 | 1♍50 | 23°41 | 25° 3 | 0♎14 | 7°41 | 11°16 | 4°10 | 19° 7 | 9°31 | 8°55 | 9°29 | 21°53 | 25°45 | W 7 |
| T 8 | 17 6 28 | 17°52'40 | 15°55 | 23°12 | 26°16 | 0°32 | 7°52 | 11°23 | 4°10 | 19° 6 | 9°30 | 8°55 | 9°26 | 22° 0 | 25°49 | T 8 |
| F 9 | 17 10 25 | 18°50'24 | 0♎ 3 | 22°41 | 27°29 | 0°52 | 8° 2 | 11°31 | 4°10 | 19° 5 | 9°29 | 8°54 | 9°23 | 22° 6 | 25°54 | F 9 |
| S 10 | 17 14 21 | 19°48'06 | 14°12 | 22° 9 | 28°42 | 1°11 | 8°13 | 11°38 | 4°10 | 19° 3 | 9°28 | 8°53 | 9°20 | 22°13 | 25°59 | S 10 |
| S 11 | 17 18 18 | 20°45'46 | 28°22 | 21°35 | 29°55 | 1°31 | 8°24 | 11°46 | 4°D10 | 19° 2 | 9°27 | 8°49 | 9°16 | 22°20 | 26° 4 | S 11 |
| M12 | 17 22 14 | 21°43'25 | 12♏29 | 21° 1 | 1♊ 8 | 1°52 | 8°35 | 11°53 | 4°10 | 19° 1 | 9°25 | 8°42 | 9°13 | 22°26 | 26° 9 | M12 |
| T 13 | 17 26 11 | 22°41'02 | 26°30 | 20°27 | 2°22 | 2°13 | 8°46 | 12° 0 | 4°10 | 18°59 | 9°24 | 8°33 | 9°10 | 22°33 | 26°14 | T 13 |
| W14 | 17 30 7 | 23°38'39 | 10♐21 | 19°54 | 3°35 | 2°34 | 8°57 | 12° 8 | 4°10 | 18°58 | 9°23 | 8°22 | 9° 7 | 22°40 | 26°19 | W14 |
| T 15 | 17 34 4 | 24°36'14 | 23°59 | 19°23 | 4°48 | 2°55 | 9° 8 | 12°15 | 4°10 | 18°56 | 9°22 | 8°10 | 9° 4 | 22°46 | 26°24 | T 15 |
| F 16 | 17 38 0 | 25°33'48 | 7♑18 | 18°53 | 6° 1 | 3°17 | 9°20 | 12°23 | 4°11 | 18°55 | 9°21 | 7°59 | 9° 0 | 22°53 | 26°28 | F 16 |
| S 17 | 17 41 57 | 26°31'21 | 20°19 | 18°25 | 7°14 | 3°39 | 9°31 | 12°31 | 4°11 | 18°54 | 9°20 | 7°50 | 8°57 | 23° 0 | 26°33 | S 17 |
| S 18 | 17 45 54 | 27°28'53 | 3♒ 1 | 18° 0 | 8°27 | 4° 2 | 9°43 | 12°38 | 4°11 | 18°52 | 9°19 | 7°43 | 8°54 | 23° 6 | 26°38 | S 18 |
| M19 | 17 49 50 | 28°26'24 | 15°24 | 17°39 | 9°40 | 4°25 | 9°54 | 12°46 | 4°12 | 18°51 | 9°18 | 7°38 | 8°51 | 23°13 | 26°43 | M19 |
| T 20 | 17 53 47 | 29°23'55 | 27°32 | 17°21 | 10°53 | 4°48 | 10° 6 | 12°53 | 4°12 | 18°49 | 9°17 | 7°36 | 8°48 | 23°19 | 26°48 | T 20 |
| W21 | 17 57 43 | 0♋21'24 | 9♓29 | 17° 7 | 12° 6 | 5°11 | 10°17 | 13° 1 | 4°13 | 18°48 | 9°16 | 7°D36 | 8°45 | 23°26 | 26°53 | W21 |
| T 22 | 18 1 40 | 1°18'53 | 21°20 | 16°56 | 13°20 | 5°35 | 10°29 | 13° 9 | 4°13 | 18°46 | 9°15 | 7°36 | 8°41 | 23°33 | 26°58 | T 22 |
| F 23 | 18 5 36 | 2°16'21 | 3♈ 9 | 16°50 | 14°33 | 5°59 | 10°41 | 13°16 | 4°14 | 18°45 | 9°15 | 7°R36 | 8°38 | 23°39 | 27° 3 | F 23 |
| S 24 | 18 9 33 | 3°13'49 | 15° 2 | 16°D49 | 15°46 | 6°24 | 10°52 | 13°24 | 4°15 | 18°43 | 9°14 | 7°36 | 8°35 | 23°46 | 27° 8 | S 24 |
| S 25 | 18 13 29 | 4°11'16 | 27° 4 | 16°52 | 16°59 | 6°48 | 11° 4 | 13°32 | 4°15 | 18°41 | 9°13 | 7°33 | 8°32 | 23°53 | 27°13 | S 25 |
| M26 | 18 17 26 | 5° 8'42 | 9♉20 | 16°59 | 18°12 | 7°13 | 11°16 | 13°40 | 4°16 | 18°40 | 9°12 | 7°28 | 8°29 | 23°59 | 27°17 | M26 |
| T 27 | 18 21 23 | 6° 6'08 | 21°54 | 17°11 | 19°25 | 7°39 | 11°28 | 13°47 | 4°17 | 18°38 | 9°11 | 7°21 | 8°26 | 24° 6 | 27°22 | T 27 |
| W28 | 18 25 19 | 7° 3'34 | 4♊48 | 17°27 | 20°39 | 8° 4 | 11°40 | 13°55 | 4°18 | 18°37 | 9°11 | 7°13 | 8°22 | 24°13 | 27°27 | W28 |
| T 29 | 18 29 16 | 8° 0'59 | 18° 3 | 17°48 | 21°52 | 8°30 | 11°52 | 14° 3 | 4°19 | 18°35 | 9°10 | 7° 3 | 8°19 | 24°19 | 27°32 | T 29 |
| F 30 | 18 33 12 | 8♋58'23 | 1♋39 | 18♊14 | 23♊ 5 | 8♎56 | 12♌ 5 | 14♋10 | 4♎20 | 18♑34 | 9♏ 9 | 6♓53 | 8♓16 | 24♓26 | 27♊37 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n 0 | 26n42 | 5n 0 | 24n 2 | 0n48 | 15n34 | 1s32 | 1n38 | 1n 8 | 18n59 | 0n29 | 22n12 | 0s42 | 0s58 | 0n46 | 20s58 | 0n59 | 1n59 | 17n27 | 7s55 | 7s51 | 2s31 | 17n38 | 5s36 |
| F 2 | 22 7 | 27 59 | 4 52 | 23 47 | 0 33 | 15 55 | 1 31 | 1 30 | 1 6 | 18 57 | 0 29 | 22 11 | 0 42 | 0 58 | 0 46 | 20 59 | 0 59 | 1 59 | 17 27 | 8 0 | 7 52 | 2 28 | 17 38 | 5 36 |
| S 3 | 22 15 | 27 38 | 4 28 | 23 30 | 0 17 | 16 16 | 1 29 | 1 21 | 1 4 | 18 54 | 0 29 | 22 11 | 0 42 | 0 57 | 0 46 | 20 59 | 0 59 | 1 59 | 17 27 | 8 4 | 7 54 | 2 25 | 17 38 | 5 36 |
| S 4 | 22 22 | 25 35 | 3 48 | 23 13 | 0 1 | 16 36 | 1 28 | 1 13 | 1 2 | 18 52 | 0 29 | 22 10 | 0 42 | 0 57 | 0 46 | 20 59 | 0 59 | 1 59 | 17 26 | 8 7 | 7 55 | 2 21 | 17 38 | 5 36 |
| M 5 | 22 29 | 22 0 | 2 54 | 22 56 | 0s16 | 16 56 | 1 27 | 1 4 | 1 0 | 18 49 | 0 29 | 22 10 | 0 42 | 0 57 | 0 46 | 20 59 | 0 59 | 1 59 | 17 26 | 8 10 | 7 56 | 2 18 | 17 39 | 5 36 |
| T 6 | 22 35 | 17 9 | 1 49 | 22 37 | 0 34 | 17 15 | 1 25 | 0 56 | 0 58 | 18 46 | 0 29 | 22 9 | 0 42 | 0 57 | 0 46 | 20 59 | 0 59 | 1 59 | 17 26 | 8 11 | 7 57 | 2 14 | 17 39 | 5 36 |
| W 7 | 22 41 | 11 21 | 0 37 | 22 19 | 0 51 | 17 34 | 1 24 | 0 47 | 0 57 | 18 44 | 0 29 | 22 9 | 0 42 | 0 57 | 0 46 | 20 59 | 0 59 | 1 59 | 17 25 | 8 11 | 7 58 | 2 11 | 17 39 | 5 36 |
| T 8 | 22 46 | 4 58 | 0s37 | 21 59 | 1 9 | 17 53 | 1 22 | 0 38 | 0 55 | 18 41 | 0 29 | 22 8 | 0 42 | 0 57 | 0 46 | 21 0 | 0 59 | 1 59 | 17 25 | 8 11 | 8 0 | 2 8 | 17 39 | 5 36 |
| F 9 | 22 51 | 1s42 | 1 49 | 21 40 | 1 27 | 18 11 | 1 21 | 0 28 | 0 53 | 18 38 | 0 29 | 22 8 | 0 42 | 0 57 | 0 46 | 21 0 | 0 59 | 1 59 | 17 24 | 8 11 | 8 1 | 2 4 | 17 39 | 5 36 |
| S 10 | 22 56 | 8 16 | 2 55 | 21 21 | 1 44 | 18 29 | 1 19 | 0 19 | 0 52 | 18 35 | 0 29 | 22 7 | 0 41 | 0 57 | 0 46 | 21 0 | 0 59 | 1 59 | 17 24 | 8 12 | 8 2 | 2 1 | 17 39 | 5 36 |
| S 11 | 23 0 | 14 25 | 3 50 | 21 2 | 2 1 | 18 46 | 1 17 | 0 10 | 0 50 | 18 33 | 0 29 | 22 7 | 0 41 | 0 57 | 0 45 | 21 0 | 0 59 | 1 59 | 17 24 | 8 13 | 8 3 | 1 57 | 17 39 | 5 36 |
| M12 | 23 3 | 19 48 | 4 31 | 20 43 | 2 18 | 19 3 | 1 16 | 0 0 | 0 48 | 18 30 | 0 29 | 22 6 | 0 41 | 0 57 | 0 45 | 21 0 | 0 59 | 1 59 | 17 23 | 8 16 | 8 4 | 1 54 | 17 40 | 5 36 |
| T 13 | 23 7 | 24 3 | 4 55 | 20 25 | 2 34 | 19 19 | 1 14 | 0s10 | 0 47 | 18 27 | 0 29 | 22 6 | 0 41 | 0 57 | 0 45 | 21 1 | 0 59 | 1 59 | 17 23 | 8 19 | 8 6 | 1 51 | 17 40 | 5 36 |
| W14 | 23 10 | 26 51 | 5 1 | 20 8 | 2 49 | 19 35 | 1 12 | 0 20 | 0 45 | 18 24 | 0 30 | 22 5 | 0 41 | 0 57 | 0 45 | 21 1 | 0 59 | 1 59 | 17 22 | 8 23 | 8 7 | 1 47 | 17 40 | 5 36 |
| T 15 | 23 12 | 28 1 | 4 50 | 19 51 | 3 3 | 19 50 | 1 10 | 0 29 | 0 43 | 18 21 | 0 30 | 22 4 | 0 41 | 0 57 | 0 45 | 21 1 | 0 59 | 1 59 | 17 22 | 8 28 | 8 8 | 1 44 | 17 40 | 5 36 |
| F 16 | 23 14 | 27 30 | 4 23 | 19 36 | 3 16 | 20 5 | 1 8 | 0 40 | 0 42 | 18 18 | 0 30 | 22 4 | 0 41 | 0 58 | 0 45 | 21 1 | 0 59 | 1 59 | 17 22 | 8 32 | 8 9 | 1 40 | 17 40 | 5 36 |
| S 17 | 23 16 | 25 28 | 3 43 | 19 21 | 3 28 | 20 19 | 1 6 | 0 50 | 0 40 | 18 15 | 0 30 | 22 3 | 0 41 | 0 58 | 0 45 | 21 1 | 0 59 | 1 58 | 17 21 | 8 35 | 8 10 | 1 37 | 17 40 | 5 36 |
| S 18 | 23 17 | 22 11 | 2 53 | 19 9 | 3 39 | 20 32 | 1 4 | 1 0 | 0 39 | 18 12 | 0 30 | 22 3 | 0 41 | 0 58 | 0 45 | 21 1 | 0 59 | 1 58 | 17 21 | 8 38 | 8 11 | 1 34 | 17 40 | 5 36 |
| M19 | 23 18 | 17 58 | 1 55 | 18 57 | 3 48 | 20 45 | 1 2 | 1 10 | 0 37 | 18 9 | 0 30 | 22 2 | 0 41 | 0 58 | 0 45 | 21 2 | 0 59 | 1 58 | 17 20 | 8 40 | 8 13 | 1 30 | 17 40 | 5 37 |
| T 20 | 23 19 | 13 6 | 0 53 | 18 47 | 3 57 | 20 58 | 1 0 | 1 21 | 0 36 | 18 6 | 0 30 | 22 1 | 0 40 | 0 58 | 0 45 | 21 2 | 0 59 | 1 58 | 17 20 | 8 40 | 8 14 | 1 27 | 17 40 | 5 37 |
| W21 | 23 19 | 7 49 | 0n10 | 18 39 | 4 4 | 21 10 | 0 58 | 1 32 | 0 34 | 18 3 | 0 30 | 22 1 | 0 40 | 0 59 | 0 45 | 21 2 | 0 59 | 1 58 | 17 19 | 8 41 | 8 15 | 1 23 | 17 40 | 5 37 |
| T 22 | 23 19 | 2 18 | 1 13 | 18 33 | 4 9 | 21 21 | 0 56 | 1 42 | 0 33 | 18 0 | 0 30 | 22 0 | 0 40 | 0 59 | 0 45 | 21 2 | 0 59 | 1 58 | 17 19 | 8 40 | 8 16 | 1 20 | 17 40 | 5 37 |
| F 23 | 23 18 | 3n16 | 2 12 | 18 28 | 4 14 | 21 32 | 0 54 | 1 53 | 0 31 | 17 57 | 0 30 | 21 59 | 0 40 | 0 59 | 0 45 | 21 2 | 0 59 | 1 57 | 17 18 | 8 40 | 8 17 | 1 17 | 17 40 | 5 37 |
| S 24 | 23 17 | 8 45 | 3 6 | 18 24 | 4 17 | 21 42 | 0 52 | 2 4 | 0 30 | 17 54 | 0 30 | 21 59 | 0 40 | 0 59 | 0 45 | 21 3 | 0 59 | 1 57 | 17 18 | 8 41 | 8 19 | 1 13 | 17 40 | 5 37 |
| S 25 | 23 15 | 13 59 | 3 52 | 18 23 | 4 19 | 21 52 | 0 50 | 2 15 | 0 29 | 17 50 | 0 30 | 21 58 | 0 40 | 1 0 | 0 45 | 21 3 | 0 59 | 1 57 | 17 17 | 8 42 | 8 20 | 1 10 | 17 40 | 5 37 |
| M26 | 23 13 | 18 47 | 4 29 | 18 23 | 4 19 | 22 1 | 0 47 | 2 26 | 0 27 | 17 47 | 0 30 | 21 57 | 0 40 | 1 0 | 0 45 | 21 3 | 0 59 | 1 57 | 17 17 | 8 43 | 8 21 | 1 6 | 17 40 | 5 37 |
| T 27 | 23 11 | 22 52 | 4 54 | 18 24 | 4 19 | 22 9 | 0 45 | 2 37 | 0 26 | 17 44 | 0 30 | 21 57 | 0 40 | 1 0 | 0 45 | 21 3 | 0 59 | 1 56 | 17 16 | 8 46 | 8 22 | 1 3 | 17 40 | 5 37 |
| W28 | 23 8 | 25 58 | 5 4 | 18 27 | 4 17 | 22 17 | 0 43 | 2 49 | 0 24 | 17 41 | 0 30 | 21 56 | 0 40 | 1 1 | 0 45 | 21 4 | 0 59 | 1 56 | 17 16 | 8 49 | 8 23 | 1 0 | 17 40 | 5 37 |
| T 29 | 23 4 | 27 45 | 4 59 | 18 32 | 4 15 | 22 24 | 0 40 | 3 0 | 0 23 | 17 37 | 0 30 | 21 55 | 0 40 | 1 1 | 0 45 | 21 4 | 0 59 | 1 56 | 17 15 | 8 53 | 8 24 | 0 56 | 17 40 | 5 38 |
| F 30 | 23n 1 | 27n55 | 4n37 | 18n37 | 4s11 | 22n30 | 0s38 | 3s12 | 0n22 | 17n34 | 0n30 | 21n55 | 0s40 | 1s 2 | 0n45 | 21s 4 | 0n59 | 1n56 | 17n15 | 8s56 | 8s26 | 0s53 | 17n40 | 5s38 |

Julian Day Number = 2807807.5, Delta T = 52m14s
Ecliptic obliquity = 23°18'54, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°23'40, Lahiri = 37°30'40


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# ASTRODIENST EPHEMERIS for the year 2975
# geocentric

## JULY 2975 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 37 9 | 9♋55'47 | 15♋32 | 18♊44 | 24♊18 | 9♎23 | 12♌17 | 14♋18 | 4♎21 | 18°R32 | 9°R 9 | 6°R45 | 8♓13 | 24♓33 | 27♊42 | S 1 |
| S 2 | 18 41 5 | 10°53'10 | 29°39 | 19°18 | 25°32 | 9°50 | 12°29 | 14°26 | 4°22 | 18♑30 | 9♏ 8 | 6♓38 | 8°10 | 24°39 | 27°47 | S 2 |
| M 3 | 18 45 2 | 11°50'32 | 13♌55 | 19°56 | 26°45 | 10°16 | 12°41 | 14°34 | 4°23 | 18°29 | 9° 8 | 6°33 | 8° 6 | 24°46 | 27°51 | M 3 |
| T 4 | 18 48 59 | 12°47'53 | 28°14 | 20°39 | 27°58 | 10°44 | 12°54 | 14°42 | 4°24 | 18°27 | 9° 7 | 6°31 | 8° 3 | 24°53 | 27°56 | T 4 |
| W 5 | 18 52 55 | 13°45'14 | 12♍34 | 21°26 | 29°12 | 11°11 | 13° 6 | 14°49 | 4°25 | 18°26 | 9° 7 | 6°D31 | 8° 0 | 24°59 | 28° 1 | W 5 |
| T 6 | 18 56 52 | 14°42'34 | 26°51 | 22°16 | 0♋25 | 11°39 | 13°19 | 14°57 | 4°27 | 18°24 | 9° 6 | 6°32 | 7°57 | 25° 6 | 28° 6 | T 6 |
| F 7 | 19 0 48 | 15°39'53 | 11♎ 3 | 23°11 | 1°38 | 12° 7 | 13°31 | 15° 5 | 4°28 | 18°22 | 9° 6 | 6°R33 | 7°54 | 25°13 | 28°11 | F 7 |
| S 8 | 19 4 45 | 16°37'11 | 25° 7 | 24°10 | 2°52 | 12°35 | 13°44 | 15°13 | 4°29 | 18°21 | 9° 5 | 6°33 | 7°51 | 25°19 | 28°15 | S 8 |
| S 9 | 19 8 41 | 17°34'28 | 9♏ 4 | 25°13 | 4° 5 | 13° 3 | 13°56 | 15°20 | 4°31 | 18°19 | 9° 5 | 6°31 | 7°47 | 25°26 | 28°20 | S 9 |
| M10 | 19 12 38 | 18°31'45 | 22°51 | 26°19 | 5°18 | 13°32 | 14° 9 | 15°28 | 4°32 | 18°18 | 9° 5 | 6°27 | 7°44 | 25°32 | 28°25 | M10 |
| T 11 | 19 16 34 | 19°29'02 | 6♐29 | 27°29 | 6°32 | 14° 1 | 14°21 | 15°36 | 4°34 | 18°16 | 9° 4 | 6°21 | 7°41 | 25°39 | 28°30 | T 11 |
| W12 | 19 20 31 | 20°26'17 | 19°55 | 28°43 | 7°45 | 14°30 | 14°34 | 15°44 | 4°35 | 18°14 | 9° 4 | 6°14 | 7°38 | 25°46 | 28°34 | W12 |
| T 13 | 19 24 28 | 21°23'33 | 3♑ 7 | 0♋ 1 | 8°58 | 14°59 | 14°47 | 15°51 | 4°37 | 18°13 | 9° 4 | 6° 6 | 7°35 | 25°52 | 28°39 | T 13 |
| F 14 | 19 28 24 | 22°20'48 | 16° 5 | 1°22 | 10°12 | 15°29 | 15° 0 | 15°59 | 4°39 | 18°11 | 9° 4 | 5°59 | 7°32 | 25°59 | 28°44 | F 14 |
| S 15 | 19 32 21 | 23°18'03 | 28°49 | 2°47 | 11°25 | 15°58 | 15°12 | 16° 7 | 4°41 | 18° 9 | 9° 4 | 5°53 | 7°28 | 26° 6 | 28°48 | S 15 |
| S 16 | 19 36 17 | 24°15'17 | 11♒17 | 4°15 | 12°39 | 16°28 | 15°25 | 16°15 | 4°42 | 18° 8 | 9° 4 | 5°49 | 7°25 | 26°12 | 28°53 | S 16 |
| M17 | 19 40 14 | 25°12'31 | 23°32 | 5°47 | 13°52 | 16°58 | 15°38 | 16°22 | 4°44 | 18° 6 | 9° 3 | 5°46 | 7°22 | 26°19 | 28°57 | M17 |
| T 18 | 19 44 10 | 26° 9'46 | 5♓35 | 7°22 | 15° 6 | 17°29 | 15°51 | 16°30 | 4°46 | 18° 5 | 9° 3 | 5°D45 | 7°19 | 26°26 | 29° 2 | T 18 |
| W19 | 19 48 7 | 27° 7'00 | 17°30 | 9° 1 | 16°19 | 17°59 | 16° 4 | 16°38 | 4°48 | 18° 3 | 9°D 3 | 5°46 | 7°16 | 26°32 | 29° 6 | W19 |
| T 20 | 19 52 3 | 28° 4'14 | 29°19 | 10°43 | 17°33 | 18°30 | 16°17 | 16°46 | 4°50 | 18° 1 | 9° 3 | 5°47 | 7°12 | 26°39 | 29°11 | T 20 |
| F 21 | 19 56 0 | 29° 1'29 | 11♈ 8 | 12°28 | 18°46 | 19° 1 | 16°30 | 16°53 | 4°52 | 18° 0 | 9° 3 | 5°49 | 7° 9 | 26°46 | 29°15 | F 21 |
| S 22 | 19 59 57 | 29°58'44 | 23° 1 | 14°16 | 20° 0 | 19°32 | 16°43 | 17° 1 | 4°54 | 17°58 | 9° 4 | 5°50 | 7° 6 | 26°52 | 29°20 | S 22 |
| S 23 | 20 3 53 | 0♌55'59 | 5♉ 4 | 16° 8 | 21°13 | 20° 3 | 16°56 | 17° 8 | 4°56 | 17°57 | 9° 4 | 5°R50 | 7° 3 | 26°59 | 29°24 | S 23 |
| M24 | 20 7 50 | 1°53'14 | 17°20 | 18° 2 | 22°27 | 20°34 | 17° 9 | 17°16 | 4°58 | 17°55 | 9° 4 | 5°49 | 7° 0 | 27° 6 | 29°29 | M24 |
| T 25 | 20 11 46 | 2°50'30 | 29°55 | 19°59 | 23°40 | 21° 6 | 17°22 | 17°24 | 5° 0 | 17°54 | 9° 4 | 5°46 | 6°57 | 27°12 | 29°33 | T 25 |
| W26 | 20 15 43 | 3°47'46 | 12♊52 | 21°58 | 24°54 | 21°38 | 17°35 | 17°31 | 5° 3 | 17°52 | 9° 4 | 5°43 | 6°53 | 27°19 | 29°37 | W26 |
| T 27 | 20 19 39 | 4°45'03 | 26°13 | 23°59 | 26° 8 | 22°10 | 17°48 | 17°39 | 5° 5 | 17°50 | 9° 4 | 5°38 | 6°50 | 27°26 | 29°42 | T 27 |
| F 28 | 20 23 36 | 5°42'20 | 9♋59 | 26° 3 | 27°21 | 22°42 | 18° 1 | 17°46 | 5° 7 | 17°49 | 9° 5 | 5°34 | 6°47 | 27°32 | 29°46 | F 28 |
| S 29 | 20 27 32 | 6°39'37 | 24° 7 | 28° 8 | 28°35 | 23°14 | 18°15 | 17°54 | 5°10 | 17°47 | 9° 5 | 5°30 | 6°44 | 27°39 | 29°50 | S 29 |
| S 30 | 20 31 29 | 7°36'55 | 8♌33 | 0♌14 | 29°49 | 23°47 | 18°28 | 18° 1 | 5°12 | 17°46 | 9° 5 | 5°27 | 6°41 | 27°46 | 29°54 | S 30 |
| M31 | 20 35 26 | 8♌34'12 | 23♌12 | 2♌21 | 1♌ 2 | 24♎19 | 18♌41 | 18♋ 9 | 5♎14 | 17♑44 | 9♏ 6 | 5♓25 | 6♓38 | 27♓52 | 29♊58 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n57 | 26n22 | 3n58 | 18n44 | 4s 7 | 22n36 | 0s36 | 3s23 | 0n20 | 17n31 | 0n30 | 21n54 | 0s39 | 1s 2 | 0n45 | 21s 4 | 0n59 | 1n55 | 17n14 | 8s59 | 8s27 | 0s49 | 17n40 | 5s38 |
| S 2 | 22 52 | 23 7 | 3 4 | 18 52 | 4 1 | 22 41 | 0 33 | 3 35 | 0 19 | 17 27 | 0 30 | 21 53 | 0 39 | 1 3 | 0 45 | 21 4 | 0 59 | 1 55 | 17 14 | 9 2 | 8 28 | 0 46 | 17 40 | 5 38 |
| M 3 | 22 47 | 18 27 | 1 58 | 19 1 | 3 55 | 22 46 | 0 31 | 3 47 | 0 18 | 17 24 | 0 30 | 21 52 | 0 39 | 1 3 | 0 44 | 21 5 | 0 59 | 1 55 | 17 13 | 9 4 | 8 29 | 0 43 | 17 40 | 5 38 |
| T 4 | 22 42 | 12 43 | 0 44 | 19 11 | 3 48 | 22 49 | 0 28 | 3 58 | 0 17 | 17 20 | 0 30 | 21 52 | 0 39 | 1 4 | 0 44 | 21 5 | 0 59 | 1 54 | 17 13 | 9 4 | 8 30 | 0 39 | 17 40 | 5 38 |
| W 5 | 22 37 | 6 18 | 0s33 | 19 22 | 3 41 | 22 53 | 0 26 | 4 10 | 0 15 | 17 17 | 0 30 | 21 51 | 0 39 | 1 4 | 0 44 | 21 5 | 0 59 | 1 54 | 17 12 | 9 4 | 8 32 | 0 36 | 17 40 | 5 38 |
| T 6 | 22 30 | 0s24 | 1 47 | 19 33 | 3 33 | 22 55 | 0 24 | 4 22 | 0 14 | 17 13 | 0 30 | 21 50 | 0 39 | 1 5 | 0 44 | 21 5 | 0 59 | 1 53 | 17 12 | 9 4 | 8 33 | 0 32 | 17 39 | 5 39 |
| F 7 | 22 24 | 7 2 | 2 55 | 19 45 | 3 24 | 22 57 | 0 21 | 4 34 | 0 13 | 17 10 | 0 30 | 21 49 | 0 39 | 1 5 | 0 44 | 21 6 | 0 59 | 1 53 | 17 11 | 9 4 | 8 34 | 0 29 | 17 39 | 5 39 |
| S 8 | 22 17 | 13 16 | 3 51 | 19 57 | 3 14 | 22 58 | 0 19 | 4 46 | 0 12 | 17 6 | 0 30 | 21 49 | 0 39 | 1 6 | 0 44 | 21 6 | 0 59 | 1 53 | 17 11 | 9 4 | 8 35 | 0 26 | 17 39 | 5 39 |
| S 9 | 22 10 | 18 46 | 4 34 | 20 10 | 3 4 | 22 59 | 0 16 | 4 58 | 0 10 | 17 3 | 0 30 | 21 48 | 0 39 | 1 6 | 0 44 | 21 6 | 0 59 | 1 52 | 17 10 | 9 5 | 8 36 | 0 22 | 17 39 | 5 39 |
| M10 | 22 2 | 23 13 | 4 59 | 20 22 | 2 54 | 22 59 | 0 14 | 5 10 | 0 9 | 16 59 | 0 30 | 21 47 | 0 39 | 1 7 | 0 44 | 21 6 | 0 59 | 1 52 | 17 9 | 9 6 | 8 37 | 0 19 | 17 39 | 5 39 |
| T 11 | 21 54 | 26 20 | 5 8 | 20 35 | 2 43 | 22 58 | 0 11 | 5 23 | 0 8 | 16 56 | 0 31 | 21 46 | 0 39 | 1 8 | 0 44 | 21 6 | 0 59 | 1 51 | 17 9 | 9 8 | 8 39 | 0 15 | 17 39 | 5 40 |
| W12 | 21 46 | 27 54 | 4 59 | 20 47 | 2 31 | 22 57 | 0 9 | 5 35 | 0 7 | 16 52 | 0 31 | 21 45 | 0 39 | 1 8 | 0 44 | 21 7 | 0 59 | 1 51 | 17 8 | 9 11 | 8 40 | 0 12 | 17 39 | 5 40 |
| T 13 | 21 37 | 27 51 | 4 35 | 20 59 | 2 20 | 22 54 | 0 6 | 5 47 | 0 6 | 16 48 | 0 31 | 21 45 | 0 38 | 1 9 | 0 44 | 21 7 | 0 59 | 1 50 | 17 8 | 9 14 | 8 41 | 0 9 | 17 39 | 5 40 |
| F 14 | 21 28 | 26 16 | 3 56 | 21 11 | 2 8 | 22 52 | 0 4 | 6 0 | 0 5 | 16 45 | 0 31 | 21 44 | 0 38 | 1 10 | 0 44 | 21 7 | 0 59 | 1 50 | 17 7 | 9 16 | 8 42 | 0 5 | 17 38 | 5 40 |
| S 15 | 21 19 | 23 20 | 3 7 | 21 21 | 1 56 | 22 48 | 0 1 | 6 12 | 0 3 | 16 41 | 0 31 | 21 43 | 0 38 | 1 11 | 0 44 | 21 7 | 0 59 | 1 49 | 17 7 | 9 18 | 8 43 | 0 2 | 17 38 | 5 40 |
| S 16 | 21 9 | 19 22 | 2 9 | 21 31 | 1 43 | 22 44 | 0n 1 | 6 24 | 0 2 | 16 37 | 0 31 | 21 42 | 0 38 | 1 11 | 0 44 | 21 8 | 0 59 | 1 49 | 17 6 | 9 20 | 8 44 | 0n 2 | 17 38 | 5 41 |
| M17 | 20 59 | 14 39 | 1 6 | 21 41 | 1 31 | 22 39 | 0 3 | 6 37 | 0 1 | 16 33 | 0 31 | 21 41 | 0 38 | 1 12 | 0 44 | 21 8 | 0 59 | 1 48 | 17 6 | 9 21 | 8 46 | 0 5 | 17 38 | 5 41 |
| T 18 | 20 48 | 9 26 | 0 1 | 21 48 | 1 18 | 22 34 | 0 6 | 6 49 | 0 0 | 16 30 | 0 31 | 21 40 | 0 38 | 1 13 | 0 44 | 21 8 | 0 59 | 1 48 | 17 5 | 9 21 | 8 47 | 0 8 | 17 38 | 5 41 |
| W19 | 20 38 | 3 56 | 1n 4 | 21 55 | 1 6 | 22 28 | 0 8 | 7 2 | 0s 1 | 16 26 | 0 31 | 21 39 | 0 38 | 1 14 | 0 44 | 21 8 | 0 59 | 1 47 | 17 4 | 9 21 | 8 48 | 0 12 | 17 37 | 5 41 |
| T 20 | 20 26 | 1n39 | 2 5 | 22 0 | 0 53 | 22 21 | 0 11 | 7 15 | 0 2 | 16 22 | 0 31 | 21 39 | 0 38 | 1 14 | 0 44 | 21 8 | 0 59 | 1 47 | 17 4 | 9 21 | 8 49 | 0 15 | 17 37 | 5 42 |
| F 21 | 20 15 | 7 10 | 3 1 | 22 4 | 0 40 | 22 14 | 0 13 | 7 27 | 0 3 | 16 18 | 0 31 | 21 38 | 0 38 | 1 15 | 0 44 | 21 9 | 0 59 | 1 46 | 17 3 | 9 20 | 8 50 | 0 19 | 17 37 | 5 42 |
| S 22 | 20 3 | 12 27 | 3 50 | 22 5 | 0 28 | 22 5 | 0 16 | 7 40 | 0 4 | 16 14 | 0 31 | 21 37 | 0 38 | 1 16 | 0 44 | 21 9 | 0 59 | 1 46 | 17 3 | 9 19 | 8 52 | 0 22 | 17 37 | 5 42 |
| S 23 | 19 51 | 17 22 | 4 29 | 22 5 | 0 16 | 21 57 | 0 18 | 7 53 | 0 5 | 16 11 | 0 31 | 21 36 | 0 38 | 1 17 | 0 44 | 21 9 | 0 59 | 1 45 | 17 2 | 9 19 | 8 53 | 0 25 | 17 36 | 5 42 |
| M24 | 19 38 | 21 39 | 4 57 | 22 3 | 0 4 | 21 47 | 0 20 | 8 5 | 0 6 | 16 7 | 0 31 | 21 35 | 0 38 | 1 18 | 0 44 | 21 9 | 0 59 | 1 45 | 17 2 | 9 20 | 8 54 | 0 29 | 17 36 | 5 43 |
| T 25 | 19 25 | 25 5 | 5 11 | 21 58 | 0n 8 | 21 37 | 0 23 | 8 18 | 0 7 | 16 3 | 0 31 | 21 34 | 0 38 | 1 19 | 0 44 | 21 10 | 0 59 | 1 44 | 17 1 | 9 21 | 8 55 | 0 32 | 17 36 | 5 43 |
| W26 | 19 12 | 27 21 | 5 10 | 21 51 | 0 19 | 21 27 | 0 25 | 8 31 | 0 8 | 15 59 | 0 31 | 21 33 | 0 38 | 1 20 | 0 44 | 21 10 | 0 58 | 1 43 | 17 0 | 9 22 | 8 56 | 0 35 | 17 36 | 5 43 |
| T 27 | 18 59 | 28 8 | 4 53 | 21 41 | 0 29 | 21 16 | 0 27 | 8 44 | 0 9 | 15 55 | 0 31 | 21 32 | 0 37 | 1 21 | 0 44 | 21 10 | 0 58 | 1 43 | 17 0 | 9 24 | 8 57 | 0 39 | 17 35 | 5 43 |
| F 28 | 18 45 | 27 14 | 4 18 | 21 29 | 0 40 | 21 4 | 0 29 | 8 57 | 0 10 | 15 51 | 0 31 | 21 31 | 0 37 | 1 21 | 0 43 | 21 10 | 0 58 | 1 42 | 16 59 | 9 25 | 8 59 | 0 42 | 17 35 | 5 44 |
| S 29 | 18 31 | 24 35 | 3 27 | 21 14 | 0 49 | 20 51 | 0 32 | 9 9 | 0 11 | 15 47 | 0 32 | 21 30 | 0 37 | 1 22 | 0 43 | 21 10 | 0 58 | 1 41 | 16 59 | 9 27 | 9 0 | 0 46 | 17 35 | 5 44 |
| S 30 | 18 16 | 20 19 | 2 22 | 20 57 | 0 58 | 20 38 | 0 34 | 9 22 | 0 12 | 15 43 | 0 32 | 21 30 | 0 37 | 1 23 | 0 43 | 21 11 | 0 58 | 1 41 | 16 58 | 9 28 | 9 1 | 0 49 | 17 35 | 5 44 |
| M31 | 18n 2 | 14n46 | 1n 7 | 20n37 | 1n 6 | 20n25 | 0n36 | 9s35 | 0s13 | 15n39 | 0n32 | 21n29 | 0s37 | 1s24 | 0n43 | 21s11 | 0n58 | 1n40 | 16n57 | 9s29 | 9s 2 | 0n52 | 17n34 | 5s45 |

Julian Day Number = 2807837.5, Delta T = 52m15s
Ecliptic obliquity = 23°18'54, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°23'44, Lahiri = 37°30'44


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# ASTRODIENST EPHEMERIS for the year 2975
# geocentric

## AUGUST 2975 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 39 22 | 9♌31'30 | 7♍56 | 4♌29 | 2♌16 | 24♎52 | 18♌54 | 18♋16 | 5♎17 | 17°R43 | 9♏ 6 | 5°D24 | 6♓34 | 27♓59 | 0♋ 3 | T 1 |
| W 2 | 20 43 19 | 10°28'48 | 22°40 | 6°38 | 3°30 | 25°25 | 19° 7 | 18°24 | 5°19 | 17♑41 | 9° 7 | 5♓25 | 6°31 | 28° 6 | 0° 7 | W 2 |
| T 3 | 20 47 15 | 11°26'06 | 7♎16 | 8°47 | 4°43 | 25°58 | 19°21 | 18°31 | 5°22 | 17°40 | 9° 7 | 5°26 | 6°28 | 28°12 | 0°11 | T 3 |
| F 4 | 20 51 12 | 12°23'25 | 21°41 | 10°55 | 5°57 | 26°32 | 19°34 | 18°39 | 5°25 | 17°39 | 9° 8 | 5°28 | 6°25 | 28°19 | 0°15 | F 4 |
| S 5 | 20 55 8 | 13°20'43 | 5♏52 | 13° 3 | 7°11 | 27° 5 | 19°47 | 18°46 | 5°27 | 17°37 | 9° 8 | 5°28 | 6°22 | 28°25 | 0°19 | S 5 |
| S 6 | 20 59 5 | 14°18'02 | 19°46 | 15°11 | 8°25 | 27°39 | 20° 0 | 18°53 | 5°30 | 17°36 | 9° 9 | 5°R29 | 6°18 | 28°32 | 0°23 | S 6 |
| M 7 | 21 3 1 | 15°15'21 | 3♐24 | 17°17 | 9°39 | 28°13 | 20°14 | 19° 0 | 5°33 | 17°34 | 9° 9 | 5°28 | 6°15 | 28°39 | 0°27 | M 7 |
| T 8 | 21 6 58 | 16°12'40 | 16°45 | 19°23 | 10°52 | 28°46 | 20°27 | 19° 8 | 5°35 | 17°33 | 9°10 | 5°26 | 6°12 | 28°45 | 0°30 | T 8 |
| W 9 | 21 10 55 | 17° 9'59 | 29°51 | 21°27 | 12° 6 | 29°21 | 20°40 | 19°15 | 5°38 | 17°32 | 9°11 | 5°24 | 6° 9 | 28°52 | 0°34 | W 9 |
| T 10 | 21 14 51 | 18° 7'19 | 12♑42 | 23°31 | 13°20 | 29°55 | 20°54 | 19°22 | 5°41 | 17°30 | 9°11 | 5°21 | 6° 6 | 28°59 | 0°38 | T 10 |
| F 11 | 21 18 48 | 19° 4'39 | 25°19 | 25°32 | 14°34 | 0♏29 | 21° 7 | 19°29 | 5°44 | 17°29 | 9°12 | 5°19 | 6° 3 | 29° 5 | 0°42 | F 11 |
| S 12 | 21 22 44 | 20° 2'00 | 7♒44 | 27°33 | 15°48 | 1° 4 | 21°20 | 19°36 | 5°47 | 17°28 | 9°13 | 5°17 | 5°59 | 29°12 | 0°45 | S 12 |
| S 13 | 21 26 41 | 20°59'21 | 19°58 | 29°32 | 17° 2 | 1°38 | 21°33 | 19°43 | 5°50 | 17°26 | 9°14 | 5°16 | 5°56 | 29°19 | 0°49 | S 13 |
| M14 | 21 30 37 | 21°56'43 | 2♓ 2 | 1♍29 | 18°16 | 2°13 | 21°47 | 19°50 | 5°53 | 17°25 | 9°15 | 5°D15 | 5°53 | 29°25 | 0°53 | M14 |
| T 15 | 21 34 34 | 22°54'05 | 13°59 | 3°24 | 19°29 | 2°48 | 22° 0 | 19°57 | 5°56 | 17°24 | 9°16 | 5°15 | 5°50 | 29°32 | 0°56 | T 15 |
| W16 | 21 38 30 | 23°51'29 | 25°50 | 5°18 | 20°43 | 3°23 | 22°13 | 20° 4 | 5°59 | 17°23 | 9°17 | 5°16 | 5°47 | 29°39 | 1° 0 | W16 |
| T 17 | 21 42 27 | 24°48'53 | 7♈38 | 7°11 | 21°57 | 3°58 | 22°27 | 20°11 | 6° 2 | 17°21 | 9°17 | 5°17 | 5°44 | 29°45 | 1° 3 | T 17 |
| F 18 | 21 46 24 | 25°46'18 | 19°27 | 9° 2 | 23°11 | 4°33 | 22°40 | 20°18 | 6° 5 | 17°20 | 9°18 | 5°18 | 5°40 | 29°52 | 1° 7 | F 18 |
| S 19 | 21 50 20 | 26°43'45 | 1♉21 | 10°51 | 24°25 | 5° 9 | 22°53 | 20°25 | 6° 8 | 17°19 | 9°19 | 5°19 | 5°37 | 29°59 | 1°10 | S 19 |
| S 20 | 21 54 17 | 27°41'12 | 13°23 | 12°38 | 25°39 | 5°45 | 23° 6 | 20°32 | 6°11 | 17°18 | 9°20 | 5°19 | 5°34 | 0♈ 5 | 1°13 | S 20 |
| M21 | 21 58 13 | 28°38'41 | 25°38 | 14°24 | 26°53 | 6°20 | 23°20 | 20°38 | 6°14 | 17°17 | 9°22 | 5°R20 | 5°31 | 0°12 | 1°17 | M21 |
| T 22 | 22 2 10 | 29°36'11 | 8♊11 | 16° 9 | 28° 7 | 6°56 | 23°33 | 20°45 | 6°17 | 17°16 | 9°23 | 5°19 | 5°28 | 0°19 | 1°20 | T 22 |
| W23 | 22 6 6 | 0♍33'42 | 21° 5 | 17°51 | 29°21 | 7°32 | 23°46 | 20°52 | 6°21 | 17°15 | 9°24 | 5°19 | 5°24 | 0°25 | 1°23 | W23 |
| T 24 | 22 10 3 | 1°31'14 | 4♋23 | 19°32 | 0♍36 | 8° 8 | 23°59 | 20°58 | 6°24 | 17°13 | 9°25 | 5°19 | 5°21 | 0°32 | 1°26 | T 24 |
| F 25 | 22 13 59 | 2°28'48 | 18° 8 | 21°12 | 1°50 | 8°44 | 24°13 | 21° 5 | 6°27 | 17°12 | 9°26 | 5°18 | 5°18 | 0°39 | 1°29 | F 25 |
| S 26 | 22 17 56 | 3°26'23 | 2♌18 | 22°50 | 3° 4 | 9°21 | 24°26 | 21°11 | 6°30 | 17°11 | 9°27 | 5°18 | 5°15 | 0°45 | 1°32 | S 26 |
| S 27 | 22 21 53 | 4°23'59 | 16°52 | 24°26 | 4°18 | 9°57 | 24°39 | 21°17 | 6°34 | 17°10 | 9°29 | 5°18 | 5°12 | 0°52 | 1°35 | S 27 |
| M28 | 22 25 49 | 5°21'36 | 1♍44 | 26° 1 | 5°32 | 10°34 | 24°52 | 21°24 | 6°37 | 17°10 | 9°30 | 5°18 | 5° 9 | 0°59 | 1°38 | M28 |
| T 29 | 22 29 46 | 6°19'15 | 16°47 | 27°35 | 6°46 | 11°11 | 25° 5 | 21°30 | 6°40 | 17° 9 | 9°31 | 5°18 | 5° 5 | 1° 5 | 1°41 | T 29 |
| W30 | 22 33 42 | 7°16'54 | 1♎51 | 29° 7 | 8° 0 | 11°47 | 25°19 | 21°36 | 6°44 | 17° 8 | 9°33 | 5°18 | 5° 2 | 1°12 | 1°44 | W30 |
| T 31 | 22 37 39 | 8♍14'34 | 16♎49 | 0♎37 | 9♍14 | 12♏24 | 25♌32 | 21♋43 | 6♎47 | 17♑ 7 | 9♏34 | 5♓18 | 4♓59 | 1♈19 | 1♋46 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n47 | 8n20 | 0s14 | 20n14 | 1n14 | 20n10 | 0n38 | 9s48 | 0s14 | 15n35 | 0n32 | 21n28 | 0s37 | 1s25 | 0n43 | 21s11 | 0n58 | 1n39 | 16n57 | 9s29 | 9s 3 | 0n56 | 17n34 | 5s45 |
| W 2 | 17 31 | 1 28 | 1 34 | 19 49 | 1 21 | 19 56 | 0 40 | 10 1 | 0 15 | 15 31 | 0 32 | 21 27 | 0 37 | 1 26 | 0 43 | 21 11 | 0 58 | 1 39 | 16 56 | 9 29 | 9 4 | 0 59 | 17 34 | 5 45 |
| T 3 | 17 16 | 5s25 | 2 47 | 19 22 | 1 27 | 19 40 | 0 42 | 10 14 | 0 16 | 15 27 | 0 32 | 21 26 | 0 37 | 1 28 | 0 43 | 21 11 | 0 58 | 1 38 | 16 56 | 9 28 | 9 6 | 1 3 | 17 33 | 5 46 |
| F 4 | 17 0 | 11 56 | 3 48 | 18 52 | 1 32 | 19 24 | 0 44 | 10 27 | 0 17 | 15 23 | 0 32 | 21 25 | 0 37 | 1 29 | 0 43 | 21 12 | 0 58 | 1 37 | 16 55 | 9 28 | 9 7 | 1 6 | 17 33 | 5 46 |
| S 5 | 16 44 | 17 43 | 4 34 | 18 21 | 1 36 | 19 8 | 0 46 | 10 39 | 0 18 | 15 19 | 0 32 | 21 24 | 0 37 | 1 30 | 0 43 | 21 12 | 0 58 | 1 37 | 16 55 | 9 27 | 9 8 | 1 9 | 17 33 | 5 46 |
| S 6 | 16 27 | 22 27 | 5 4 | 17 47 | 1 40 | 18 51 | 0 48 | 10 52 | 0 19 | 15 15 | 0 32 | 21 23 | 0 37 | 1 31 | 0 43 | 21 12 | 0 58 | 1 36 | 16 54 | 9 27 | 9 9 | 1 13 | 17 32 | 5 47 |
| M 7 | 16 11 | 25 53 | 5 15 | 17 12 | 1 42 | 18 33 | 0 50 | 11 5 | 0 19 | 15 10 | 0 32 | 21 22 | 0 37 | 1 32 | 0 43 | 21 12 | 0 58 | 1 35 | 16 53 | 9 28 | 9 10 | 1 16 | 17 32 | 5 47 |
| T 8 | 15 54 | 27 47 | 5 9 | 16 35 | 1 44 | 18 15 | 0 52 | 11 18 | 0 20 | 15 6 | 0 32 | 21 21 | 0 37 | 1 33 | 0 43 | 21 13 | 0 58 | 1 34 | 16 53 | 9 28 | 9 11 | 1 19 | 17 31 | 5 47 |
| W 9 | 15 37 | 28 6 | 4 47 | 15 57 | 1 46 | 17 57 | 0 54 | 11 31 | 0 21 | 15 2 | 0 32 | 21 20 | 0 37 | 1 34 | 0 43 | 21 13 | 0 58 | 1 34 | 16 52 | 9 29 | 9 13 | 1 23 | 17 31 | 5 48 |
| T 10 | 15 19 | 26 53 | 4 11 | 15 17 | 1 46 | 17 37 | 0 56 | 11 44 | 0 22 | 14 58 | 0 32 | 21 19 | 0 37 | 1 35 | 0 43 | 21 13 | 0 58 | 1 33 | 16 52 | 9 30 | 9 14 | 1 26 | 17 31 | 5 48 |
| F 11 | 15 2 | 24 18 | 3 23 | 14 36 | 1 46 | 17 18 | 0 58 | 11 56 | 0 23 | 14 54 | 0 32 | 21 18 | 0 37 | 1 36 | 0 43 | 21 13 | 0 58 | 1 32 | 16 51 | 9 31 | 9 15 | 1 30 | 17 30 | 5 48 |
| S 12 | 14 44 | 20 36 | 2 26 | 13 55 | 1 45 | 16 58 | 0 59 | 12 9 | 0 24 | 14 50 | 0 32 | 21 17 | 0 37 | 1 38 | 0 43 | 21 13 | 0 58 | 1 31 | 16 51 | 9 32 | 9 16 | 1 33 | 17 30 | 5 49 |
| S 13 | 14 26 | 16 4 | 1 24 | 13 12 | 1 44 | 16 37 | 1 1 | 12 22 | 0 25 | 14 46 | 0 33 | 21 16 | 0 36 | 1 39 | 0 43 | 21 13 | 0 58 | 1 31 | 16 50 | 9 32 | 9 17 | 1 36 | 17 30 | 5 49 |
| M14 | 14 7 | 10 58 | 0 18 | 12 29 | 1 42 | 16 16 | 1 3 | 12 35 | 0 25 | 14 41 | 0 33 | 21 15 | 0 36 | 1 40 | 0 43 | 21 14 | 0 58 | 1 30 | 16 49 | 9 32 | 9 18 | 1 40 | 17 29 | 5 50 |
| T 15 | 13 49 | 5 32 | 0n48 | 11 45 | 1 39 | 15 55 | 1 4 | 12 47 | 0 26 | 14 37 | 0 33 | 21 14 | 0 36 | 1 41 | 0 43 | 21 14 | 0 58 | 1 29 | 16 49 | 9 32 | 9 20 | 1 43 | 17 29 | 5 50 |
| W16 | 13 30 | 0n 4 | 1 52 | 11 0 | 1 36 | 15 33 | 1 6 | 13 0 | 0 27 | 14 33 | 0 33 | 21 13 | 0 36 | 1 42 | 0 43 | 21 14 | 0 58 | 1 28 | 16 48 | 9 32 | 9 21 | 1 47 | 17 28 | 5 50 |
| T 17 | 13 11 | 5 37 | 2 50 | 10 15 | 1 32 | 15 11 | 1 7 | 13 13 | 0 28 | 14 29 | 0 33 | 21 13 | 0 36 | 1 44 | 0 43 | 21 14 | 0 58 | 1 27 | 16 48 | 9 32 | 9 22 | 1 50 | 17 28 | 5 51 |
| F 18 | 12 52 | 10 59 | 3 41 | 9 30 | 1 28 | 14 48 | 1 9 | 13 25 | 0 29 | 14 24 | 0 33 | 21 12 | 0 36 | 1 45 | 0 43 | 21 14 | 0 58 | 1 27 | 16 47 | 9 31 | 9 23 | 1 53 | 17 28 | 5 51 |
| S 19 | 12 32 | 16 0 | 4 23 | 8 45 | 1 23 | 14 25 | 1 10 | 13 38 | 0 29 | 14 20 | 0 33 | 21 11 | 0 36 | 1 46 | 0 43 | 21 15 | 0 58 | 1 26 | 16 47 | 9 31 | 9 24 | 1 57 | 17 27 | 5 52 |
| S 20 | 12 13 | 20 27 | 4 55 | 7 59 | 1 18 | 14 1 | 1 11 | 13 50 | 0 30 | 14 16 | 0 33 | 21 10 | 0 36 | 1 47 | 0 43 | 21 15 | 0 58 | 1 25 | 16 46 | 9 31 | 9 25 | 2 0 | 17 27 | 5 52 |
| M21 | 11 53 | 24 8 | 5 13 | 7 13 | 1 12 | 13 37 | 1 13 | 14 3 | 0 31 | 14 12 | 0 33 | 21 9 | 0 36 | 1 49 | 0 43 | 21 15 | 0 58 | 1 24 | 16 46 | 9 31 | 9 27 | 2 3 | 17 26 | 5 52 |
| T 22 | 11 33 | 26 46 | 5 17 | 6 28 | 1 7 | 13 13 | 1 14 | 14 15 | 0 32 | 14 7 | 0 33 | 21 8 | 0 36 | 1 50 | 0 43 | 21 15 | 0 58 | 1 23 | 16 45 | 9 31 | 9 28 | 2 7 | 17 26 | 5 53 |
| W23 | 11 13 | 28 6 | 5 6 | 5 42 | 1 0 | 12 49 | 1 15 | 14 28 | 0 32 | 14 3 | 0 33 | 21 7 | 0 36 | 1 51 | 0 43 | 21 15 | 0 58 | 1 22 | 16 45 | 9 31 | 9 29 | 2 10 | 17 25 | 5 53 |
| T 24 | 10 53 | 27 52 | 4 38 | 4 57 | 0 54 | 12 24 | 1 16 | 14 40 | 0 33 | 13 59 | 0 33 | 21 6 | 0 36 | 1 52 | 0 43 | 21 15 | 0 58 | 1 22 | 16 44 | 9 31 | 9 30 | 2 14 | 17 25 | 5 54 |
| F 25 | 10 32 | 25 57 | 3 53 | 4 11 | 0 47 | 11 58 | 1 17 | 14 53 | 0 34 | 13 55 | 0 34 | 21 5 | 0 36 | 1 54 | 0 43 | 21 16 | 0 58 | 1 21 | 16 43 | 9 31 | 9 31 | 2 17 | 17 24 | 5 54 |
| S 26 | 10 12 | 22 21 | 2 53 | 3 26 | 0 40 | 11 33 | 1 18 | 15 5 | 0 35 | 13 50 | 0 34 | 21 4 | 0 36 | 1 55 | 0 43 | 21 16 | 0 58 | 1 20 | 16 43 | 9 31 | 9 32 | 2 20 | 17 24 | 5 54 |
| S 27 | 9 51 | 17 18 | 1 41 | 2 41 | 0 32 | 11 7 | 1 19 | 15 17 | 0 35 | 13 46 | 0 34 | 21 3 | 0 36 | 1 56 | 0 43 | 21 16 | 0 58 | 1 19 | 16 42 | 9 31 | 9 33 | 2 24 | 17 23 | 5 55 |
| M28 | 9 30 | 11 7 | 0 20 | 1 57 | 0 24 | 10 40 | 1 20 | 15 29 | 0 36 | 13 42 | 0 34 | 21 2 | 0 36 | 1 58 | 0 43 | 21 16 | 0 58 | 1 18 | 16 42 | 9 31 | 9 35 | 2 27 | 17 23 | 5 55 |
| T 29 | 9 9 | 4 13 | 1s 3 | 1 13 | 0 17 | 10 14 | 1 21 | 15 41 | 0 37 | 13 37 | 0 34 | 21 1 | 0 36 | 1 59 | 0 43 | 21 16 | 0 58 | 1 17 | 16 41 | 9 31 | 9 36 | 2 30 | 17 23 | 5 56 |
| W30 | 8 48 | 2s55 | 2 22 | 0 29 | 0 8 | 9 47 | 1 21 | 15 53 | 0 38 | 13 33 | 0 34 | 21 0 | 0 36 | 2 0 | 0 43 | 21 16 | 0 58 | 1 16 | 16 41 | 9 31 | 9 37 | 2 34 | 17 22 | 5 56 |
| T 31 | 8n26 | 9s49 | 3s31 | 0s15 | 0n 0 | 9n20 | 1n22 | 16s 5 | 0s38 | 13n29 | 0n34 | 20n59 | 0s36 | 2s 2 | 0n42 | 21s17 | 0n58 | 1n16 | 16n40 | 9s31 | 9s38 | 2n37 | 17n22 | 5s57 |

Julian Day Number = 2807868.5, Delta T = 52m15s
Ecliptic obliquity = 23°18'55, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°23'48, Lahiri = 37°30'49


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# ASTRODIENST EPHEMERIS for the year 2975
# geocentric

## SEPTEMBER 2975 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 22 41 35 | 9♍12'16 | 1♏33 | 2♎ 5 | 10♍29 | 13♏ 2 | 25♌45 | 21♋49 | 6♎51 | 17°R 6 | 9♏35 | 5°R17 | 4♓56 | 1♈25 | 1♋49 | F 1 |
| S 2 | 22 45 32 | 10° 9'58 | 15°57 | 3°33 | 11°43 | 13°39 | 25°58 | 21°55 | 6°54 | 17♉ 5 | 9°37 | 5♓17 | 4°53 | 1°32 | 1°51 | S 2 |
| S 3 | 22 49 28 | 11° 7'42 | 29°58 | 4°58 | 12°57 | 14°16 | 26°11 | 22° 1 | 6°58 | 17° 4 | 9°38 | 5°17 | 4°49 | 1°39 | 1°54 | S 3 |
| M 4 | 22 53 25 | 12° 5'26 | 13♐35 | 6°22 | 14°11 | 14°54 | 26°24 | 22° 7 | 7° 1 | 17° 4 | 9°40 | 5°D17 | 4°46 | 1°45 | 1°57 | M 4 |
| T 5 | 22 57 22 | 13° 3'12 | 26°50 | 7°44 | 15°26 | 15°31 | 26°37 | 22°13 | 7° 5 | 17° 3 | 9°41 | 5°17 | 4°43 | 1°52 | 1°59 | T 5 |
| W 6 | 23 1 18 | 14° 0'58 | 9♑45 | 9° 5 | 16°40 | 16° 9 | 26°50 | 22°18 | 7° 8 | 17° 2 | 9°43 | 5°17 | 4°40 | 1°59 | 2° 1 | W 6 |
| T 7 | 23 5 15 | 14°58'46 | 22°21 | 10°24 | 17°54 | 16°47 | 27° 3 | 22°24 | 7°12 | 17° 1 | 9°44 | 5°18 | 4°37 | 2° 5 | 2° 4 | T 7 |
| F 8 | 23 9 11 | 15°56'34 | 4♒43 | 11°41 | 19° 8 | 17°25 | 27°16 | 22°30 | 7°15 | 17° 1 | 9°46 | 5°19 | 4°34 | 2°12 | 2° 6 | F 8 |
| S 9 | 23 13 8 | 16°54'24 | 16°54 | 12°56 | 20°23 | 18° 3 | 27°29 | 22°35 | 7°19 | 17° 0 | 9°48 | 5°20 | 4°30 | 2°19 | 2° 8 | S 9 |
| S 10 | 23 17 4 | 17°52'15 | 28°55 | 14° 9 | 21°37 | 18°41 | 27°42 | 22°41 | 7°23 | 17° 0 | 9°49 | 5°21 | 4°27 | 2°25 | 2°10 | S 10 |
| M11 | 23 21 1 | 18°50'08 | 10♓50 | 15°21 | 22°51 | 19°19 | 27°54 | 22°46 | 7°26 | 16°59 | 9°51 | 5°R21 | 4°24 | 2°32 | 2°12 | M11 |
| T 12 | 23 24 57 | 19°48'01 | 22°41 | 16°30 | 24° 5 | 19°57 | 28° 7 | 22°52 | 7°30 | 16°58 | 9°53 | 5°20 | 4°21 | 2°38 | 2°14 | T 12 |
| W13 | 23 28 54 | 20°45'57 | 4♈30 | 17°37 | 25°20 | 20°36 | 28°20 | 22°57 | 7°34 | 16°58 | 9°54 | 5°18 | 4°18 | 2°45 | 2°16 | W13 |
| T 14 | 23 32 51 | 21°43'53 | 16°19 | 18°43 | 26°34 | 21°14 | 28°33 | 23° 2 | 7°37 | 16°57 | 9°56 | 5°16 | 4°15 | 2°52 | 2°18 | T 14 |
| F 15 | 23 36 47 | 22°41'52 | 28°11 | 19°45 | 27°48 | 21°53 | 28°45 | 23° 8 | 7°41 | 16°57 | 9°58 | 5°14 | 4°11 | 2°58 | 2°20 | F 15 |
| S 16 | 23 40 44 | 23°39'52 | 10♉ 7 | 20°45 | 29° 3 | 22°32 | 28°58 | 23°13 | 7°45 | 16°57 | 10° 0 | 5°11 | 4° 8 | 3° 5 | 2°21 | S 16 |
| S 17 | 23 44 40 | 24°37'54 | 22°12 | 21°43 | 0♎17 | 23°10 | 29°11 | 23°18 | 7°48 | 16°56 | 10° 2 | 5° 8 | 4° 5 | 3°12 | 2°23 | S 17 |
| M18 | 23 48 37 | 25°35'58 | 4♊28 | 22°38 | 1°31 | 23°49 | 29°23 | 23°23 | 7°52 | 16°56 | 10° 3 | 5° 6 | 4° 2 | 3°18 | 2°25 | M18 |
| T 19 | 23 52 33 | 26°34'03 | 16°59 | 23°30 | 2°46 | 24°28 | 29°36 | 23°28 | 7°56 | 16°56 | 10° 5 | 5° 5 | 3°59 | 3°25 | 2°26 | T 19 |
| W20 | 23 56 30 | 27°32'11 | 29°49 | 24°19 | 4° 0 | 25° 8 | 29°48 | 23°32 | 7°59 | 16°55 | 10° 7 | 5°D 5 | 3°55 | 3°32 | 2°28 | W20 |
| T 21 | 0 0 26 | 28°30'21 | 13♋ 0 | 25° 4 | 5°14 | 25°47 | 0♍ 0 | 23°37 | 8° 3 | 16°55 | 10° 9 | 5° 5 | 3°52 | 3°38 | 2°29 | T 21 |
| F 22 | 0 4 23 | 29°28'32 | 26°37 | 25°46 | 6°29 | 26°26 | 0°13 | 23°42 | 8° 7 | 16°55 | 10°11 | 5° 6 | 3°49 | 3°45 | 2°30 | F 22 |
| S 23 | 0 8 20 | 0♎26'46 | 10♌39 | 26°25 | 7°43 | 27° 6 | 0°25 | 23°46 | 8°11 | 16°55 | 10°13 | 5° 8 | 3°46 | 3°52 | 2°32 | S 23 |
| S 24 | 0 12 16 | 1°25'01 | 25° 7 | 26°59 | 8°58 | 27°45 | 0°37 | 23°51 | 8°14 | 16°54 | 10°15 | 5° 9 | 3°43 | 3°58 | 2°33 | S 24 |
| M25 | 0 16 13 | 2°23'18 | 9♍58 | 27°29 | 10°12 | 28°25 | 0°50 | 23°55 | 8°18 | 16°54 | 10°17 | 5°R 9 | 3°40 | 4° 5 | 2°34 | M25 |
| T 26 | 0 20 9 | 3°21'37 | 25° 4 | 27°54 | 11°27 | 29° 5 | 1° 2 | 24° 0 | 8°22 | 16°54 | 10°19 | 5° 8 | 3°36 | 4°12 | 2°35 | T 26 |
| W27 | 0 24 6 | 4°19'58 | 10♎18 | 28°14 | 12°41 | 29°45 | 1°14 | 24° 4 | 8°26 | 16°54 | 10°21 | 5° 6 | 3°33 | 4°18 | 2°36 | W27 |
| T 28 | 0 28 2 | 5°18'20 | 25°30 | 28°29 | 13°55 | 0♐25 | 1°26 | 24° 8 | 8°30 | 16°D54 | 10°23 | 5° 2 | 3°30 | 4°25 | 2°37 | T 28 |
| F 29 | 0 31 59 | 6°16'44 | 10♏29 | 28°38 | 15°10 | 1° 5 | 1°38 | 24°12 | 8°33 | 16°54 | 10°25 | 4°57 | 3°27 | 4°32 | 2°38 | F 29 |
| S 30 | 0 35 55 | 7♎15'10 | 25♏ 7 | 28°R41 | 16♎24 | 1♐45 | 1♍50 | 24♋16 | 8♎37 | 16♑54 | 10♏27 | 4♓53 | 3♓24 | 4♈38 | 2♋38 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 8n 5 | 16s 5 | 4s24 | 0s57 | 0s 8 | 8n53 | 1n23 | 16s17 | 0s39 | 13n24 | 0n34 | 20n58 | 0s36 | 2s 3 | 0n42 | 21s17 | 0n57 | 1n15 | 16n40 | 9s31 | 9s39 | 2n40 | 17n21 | 5s57 |
| S 2 | 7 43 | 21 18 | 5 0 | 1 40 | 0 17 | 8 25 | 1 23 | 16 29 | 0 40 | 13 20 | 0 34 | 20 57 | 0 36 | 2 5 | 0 42 | 21 17 | 0 57 | 1 14 | 16 39 | 9 32 | 9 40 | 2 44 | 17 21 | 5 58 |
| S 3 | 7 21 | 25 11 | 5 16 | 2 22 | 0 26 | 7 57 | 1 24 | 16 41 | 0 40 | 13 16 | 0 34 | 20 57 | 0 36 | 2 6 | 0 42 | 21 17 | 0 57 | 1 13 | 16 39 | 9 32 | 9 42 | 2 47 | 17 20 | 5 58 |
| M 4 | 6 59 | 27 30 | 5 14 | 3 3 | 0 35 | 7 29 | 1 24 | 16 52 | 0 41 | 13 12 | 0 34 | 20 56 | 0 35 | 2 7 | 0 42 | 21 17 | 0 57 | 1 12 | 16 39 | 9 32 | 9 43 | 2 51 | 17 20 | 5 59 |
| T 5 | 6 37 | 28 12 | 4 55 | 3 44 | 0 44 | 7 1 | 1 24 | 17 4 | 0 42 | 13 7 | 0 35 | 20 55 | 0 35 | 2 9 | 0 42 | 21 17 | 0 57 | 1 11 | 16 38 | 9 32 | 9 44 | 2 54 | 17 19 | 5 59 |
| W 6 | 6 15 | 27 19 | 4 22 | 4 24 | 0 53 | 6 32 | 1 25 | 17 15 | 0 42 | 13 3 | 0 35 | 20 54 | 0 35 | 2 10 | 0 42 | 21 17 | 0 57 | 1 10 | 16 38 | 9 31 | 9 45 | 2 57 | 17 19 | 6 0 |
| T 7 | 5 53 | 25 2 | 3 37 | 5 3 | 1 2 | 6 4 | 1 25 | 17 27 | 0 43 | 12 59 | 0 35 | 20 53 | 0 35 | 2 12 | 0 42 | 21 17 | 0 57 | 1 9 | 16 37 | 9 31 | 9 46 | 3 1 | 17 18 | 6 0 |
| F 8 | 5 31 | 21 36 | 2 42 | 5 42 | 1 11 | 5 35 | 1 25 | 17 38 | 0 43 | 12 54 | 0 35 | 20 52 | 0 35 | 2 13 | 0 42 | 21 18 | 0 57 | 1 8 | 16 37 | 9 31 | 9 47 | 3 4 | 17 17 | 6 0 |
| S 9 | 5 9 | 17 17 | 1 41 | 6 19 | 1 21 | 5 6 | 1 25 | 17 49 | 0 44 | 12 50 | 0 35 | 20 51 | 0 35 | 2 14 | 0 42 | 21 18 | 0 57 | 1 8 | 16 36 | 9 30 | 9 48 | 3 7 | 17 17 | 6 1 |
| S 10 | 4 46 | 12 21 | 0 36 | 6 56 | 1 30 | 4 37 | 1 25 | 18 1 | 0 45 | 12 46 | 0 35 | 20 50 | 0 35 | 2 16 | 0 42 | 21 18 | 0 57 | 1 7 | 16 36 | 9 30 | 9 50 | 3 11 | 17 16 | 6 1 |
| M11 | 4 24 | 7 0 | 0n30 | 7 33 | 1 39 | 4 8 | 1 25 | 18 12 | 0 45 | 12 41 | 0 35 | 20 49 | 0 35 | 2 17 | 0 42 | 21 18 | 0 57 | 1 6 | 16 35 | 9 30 | 9 51 | 3 14 | 17 16 | 6 2 |
| T 12 | 4 1 | 1 26 | 1 35 | 8 8 | 1 49 | 3 38 | 1 25 | 18 23 | 0 46 | 12 37 | 0 35 | 20 49 | 0 35 | 2 19 | 0 42 | 21 18 | 0 57 | 1 5 | 16 35 | 9 30 | 9 52 | 3 17 | 17 15 | 6 2 |
| W13 | 3 38 | 4n 9 | 2 34 | 8 42 | 1 58 | 3 9 | 1 25 | 18 33 | 0 47 | 12 33 | 0 35 | 20 48 | 0 35 | 2 20 | 0 42 | 21 18 | 0 57 | 1 4 | 16 34 | 9 31 | 9 53 | 3 21 | 17 15 | 6 3 |
| T 14 | 3 16 | 9 35 | 3 28 | 9 15 | 2 7 | 2 39 | 1 25 | 18 44 | 0 47 | 12 29 | 0 36 | 20 47 | 0 35 | 2 22 | 0 42 | 21 18 | 0 57 | 1 3 | 16 34 | 9 32 | 9 54 | 3 24 | 17 14 | 6 3 |
| F 15 | 2 53 | 14 42 | 4 12 | 9 48 | 2 16 | 2 10 | 1 24 | 18 55 | 0 48 | 12 24 | 0 36 | 20 46 | 0 35 | 2 23 | 0 42 | 21 18 | 0 57 | 1 2 | 16 34 | 9 33 | 9 55 | 3 27 | 17 14 | 6 4 |
| S 16 | 2 30 | 19 18 | 4 46 | 10 19 | 2 25 | 1 40 | 1 24 | 19 5 | 0 48 | 12 20 | 0 36 | 20 45 | 0 35 | 2 25 | 0 42 | 21 18 | 0 57 | 1 1 | 16 33 | 9 34 | 9 57 | 3 31 | 17 13 | 6 4 |
| S 17 | 2 7 | 23 10 | 5 7 | 10 48 | 2 34 | 1 10 | 1 24 | 19 16 | 0 49 | 12 16 | 0 36 | 20 44 | 0 35 | 2 26 | 0 42 | 21 18 | 0 57 | 1 0 | 16 33 | 9 35 | 9 58 | 3 34 | 17 13 | 6 5 |
| M18 | 1 44 | 26 5 | 5 15 | 11 17 | 2 43 | 0 40 | 1 23 | 19 26 | 0 49 | 12 11 | 0 36 | 20 44 | 0 35 | 2 27 | 0 42 | 21 19 | 0 57 | 0 59 | 16 32 | 9 36 | 9 59 | 3 37 | 17 12 | 6 5 |
| T 19 | 1 21 | 27 48 | 5 8 | 11 44 | 2 52 | 0 10 | 1 22 | 19 36 | 0 50 | 12 7 | 0 36 | 20 43 | 0 35 | 2 29 | 0 42 | 21 19 | 0 57 | 0 58 | 16 32 | 9 36 | 10 0 | 3 41 | 17 12 | 6 6 |
| W20 | 0 58 | 28 5 | 4 46 | 12 10 | 3 0 | 0s20 | 1 22 | 19 46 | 0 51 | 12 3 | 0 36 | 20 42 | 0 35 | 2 30 | 0 42 | 21 19 | 0 57 | 0 58 | 16 32 | 9 36 | 10 1 | 3 44 | 17 11 | 6 6 |
| T 21 | 0 35 | 26 49 | 4 9 | 12 34 | 3 8 | 0 50 | 1 21 | 19 56 | 0 51 | 11 59 | 0 36 | 20 41 | 0 35 | 2 32 | 0 42 | 21 19 | 0 57 | 0 57 | 16 31 | 9 36 | 10 2 | 3 47 | 17 11 | 6 7 |
| F 22 | 0 12 | 23 56 | 3 16 | 12 57 | 3 16 | 1 20 | 1 20 | 20 6 | 0 52 | 11 54 | 0 36 | 20 41 | 0 35 | 2 33 | 0 42 | 21 19 | 0 57 | 0 56 | 16 31 | 9 35 | 10 3 | 3 51 | 17 10 | 6 8 |
| S 23 | 0s11 | 19 34 | 2 11 | 13 18 | 3 23 | 1 50 | 1 20 | 20 15 | 0 52 | 11 50 | 0 37 | 20 40 | 0 35 | 2 35 | 0 42 | 21 19 | 0 57 | 0 55 | 16 31 | 9 35 | 10 5 | 3 54 | 17 10 | 6 8 |
| S 24 | 0 34 | 13 57 | 0 55 | 13 37 | 3 30 | 2 20 | 1 19 | 20 25 | 0 53 | 11 46 | 0 37 | 20 39 | 0 35 | 2 36 | 0 42 | 21 19 | 0 57 | 0 54 | 16 30 | 9 34 | 10 6 | 3 58 | 17 9 | 6 9 |
| M25 | 0 57 | 7 23 | 0s26 | 13 53 | 3 37 | 2 50 | 1 18 | 20 34 | 0 53 | 11 42 | 0 37 | 20 38 | 0 35 | 2 38 | 0 42 | 21 19 | 0 57 | 0 53 | 16 30 | 9 34 | 10 7 | 4 1 | 17 8 | 6 9 |
| T 26 | 1 20 | 0 18 | 1 47 | 14 8 | 3 43 | 3 19 | 1 17 | 20 43 | 0 54 | 11 38 | 0 37 | 20 38 | 0 35 | 2 39 | 0 42 | 21 19 | 0 57 | 0 52 | 16 30 | 9 35 | 10 8 | 4 4 | 17 8 | 6 10 |
| W27 | 1 43 | 6s50 | 3 1 | 14 20 | 3 48 | 3 49 | 1 16 | 20 53 | 0 54 | 11 33 | 0 37 | 20 37 | 0 35 | 2 41 | 0 42 | 21 19 | 0 57 | 0 51 | 16 29 | 9 36 | 10 9 | 4 8 | 17 7 | 6 10 |
| T 28 | 2 6 | 13 33 | 4 1 | 14 30 | 3 53 | 4 19 | 1 15 | 21 2 | 0 55 | 11 29 | 0 37 | 20 36 | 0 35 | 2 42 | 0 42 | 21 19 | 0 56 | 0 50 | 16 29 | 9 37 | 10 10 | 4 11 | 17 7 | 6 11 |
| F 29 | 2 29 | 19 23 | 4 45 | 14 37 | 3 56 | 4 49 | 1 13 | 21 10 | 0 55 | 11 25 | 0 37 | 20 36 | 0 35 | 2 44 | 0 42 | 21 19 | 0 56 | 0 49 | 16 29 | 9 39 | 10 11 | 4 14 | 17 6 | 6 11 |
| S 30 | 2s52 | 23s55 | 5s 8 | 14s41 | 3s59 | 5s18 | 1n12 | 21s19 | 0s56 | 11n21 | 0n37 | 20n35 | 0s35 | 2s45 | 0n42 | 21s19 | 0n56 | 0n49 | 16n28 | 9s40 | 10s13 | 4n17 | 17n 6 | 6s12 |

Julian Day Number = 2807899.5, Delta T = 52m16s
Ecliptic obliquity = 23°18'55, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°23'52, Lahiri = 37°30'53


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# ASTRODIENST EPHEMERIS for the year 2975
# geocentric

## OCTOBER 2975 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 39 52 | 8♎13'38 | 9♐20 | 28°R38 | 17♎39 | 2♐25 | 2♍ 2 | 24♋20 | 8♎41 | 16♑54 | 10♏29 | 4°R49 | 3♓21 | 4♈45 | 2♋39 | S 1 |
| M 2 | 0 43 48 | 9°12'07 | 23° 4 | 28♎29 | 18°53 | 3° 6 | 2°14 | 24°24 | 8°45 | 16°54 | 10°31 | 4♓47 | 3°17 | 4°52 | 2°40 | M 2 |
| T 3 | 0 47 45 | 10°10'37 | 6♑21 | 28°12 | 20° 8 | 3°46 | 2°25 | 24°27 | 8°49 | 16°54 | 10°33 | 4°D45 | 3°14 | 4°58 | 2°40 | T 3 |
| W 4 | 0 51 42 | 11° 9'09 | 19°12 | 27°49 | 21°22 | 4°27 | 2°37 | 24°31 | 8°52 | 16°55 | 10°36 | 4°46 | 3°11 | 5° 5 | 2°41 | W 4 |
| T 5 | 0 55 38 | 12° 7'43 | 1♒43 | 27°19 | 22°37 | 5° 8 | 2°49 | 24°34 | 8°56 | 16°55 | 10°38 | 4°47 | 3° 8 | 5°12 | 2°41 | T 5 |
| F 6 | 0 59 35 | 13° 6'18 | 13°57 | 26°41 | 23°51 | 5°48 | 3° 0 | 24°38 | 9° 0 | 16°55 | 10°40 | 4°49 | 3° 5 | 5°18 | 2°41 | F 6 |
| S 7 | 1 3 31 | 14° 4'55 | 25°59 | 25°57 | 25° 6 | 6°29 | 3°12 | 24°41 | 9° 4 | 16°55 | 10°42 | 4°50 | 3° 1 | 5°25 | 2°41 | S 7 |
| S 8 | 1 7 28 | 15° 3'34 | 7♓53 | 25° 7 | 26°20 | 7°10 | 3°23 | 24°44 | 9° 7 | 16°56 | 10°44 | 4°R50 | 2°58 | 5°32 | 2°42 | S 8 |
| M 9 | 1 11 24 | 16° 2'14 | 19°42 | 24°11 | 27°35 | 7°51 | 3°35 | 24°47 | 9°11 | 16°56 | 10°47 | 4°49 | 2°55 | 5°38 | 2°42 | M 9 |
| T 10 | 1 15 21 | 17° 0'56 | 1♈30 | 23°11 | 28°49 | 8°32 | 3°46 | 24°50 | 9°15 | 16°56 | 10°49 | 4°46 | 2°52 | 5°45 | 2°R42 | T 10 |
| W11 | 1 19 17 | 17°59'39 | 13°20 | 22° 6 | 0♏ 3 | 9°13 | 3°57 | 24°53 | 9°19 | 16°57 | 10°51 | 4°40 | 2°49 | 5°52 | 2°42 | W11 |
| T 12 | 1 23 14 | 18°58'25 | 25°13 | 21° 0 | 1°18 | 9°55 | 4° 8 | 24°56 | 9°23 | 16°57 | 10°53 | 4°33 | 2°46 | 5°58 | 2°41 | T 12 |
| F 13 | 1 27 11 | 19°57'13 | 7♉11 | 19°53 | 2°32 | 10°36 | 4°19 | 24°59 | 9°26 | 16°58 | 10°56 | 4°25 | 2°42 | 6° 5 | 2°41 | F 13 |
| S 14 | 1 31 7 | 20°56'03 | 19°16 | 18°48 | 3°47 | 11°18 | 4°30 | 25° 2 | 9°30 | 16°58 | 10°58 | 4°16 | 2°39 | 6°12 | 2°41 | S 14 |
| S 15 | 1 35 4 | 21°54'55 | 1♊28 | 17°45 | 5° 1 | 11°59 | 4°41 | 25° 4 | 9°34 | 16°59 | 11° 0 | 4° 8 | 2°36 | 6°18 | 2°41 | S 15 |
| M16 | 1 39 0 | 22°53'49 | 13°51 | 16°46 | 6°16 | 12°41 | 4°52 | 25° 7 | 9°37 | 16°59 | 11° 3 | 4° 0 | 2°33 | 6°25 | 2°40 | M16 |
| T 17 | 1 42 57 | 23°52'45 | 26°26 | 15°54 | 7°30 | 13°23 | 5° 3 | 25° 9 | 9°41 | 17° 0 | 11° 5 | 3°55 | 2°30 | 6°32 | 2°40 | T 17 |
| W18 | 1 46 53 | 24°51'44 | 9♋16 | 15° 9 | 8°45 | 14° 4 | 5°13 | 25°11 | 9°45 | 17° 0 | 11° 7 | 3°52 | 2°27 | 6°38 | 2°39 | W18 |
| T 19 | 1 50 50 | 25°50'44 | 22°23 | 14°34 | 9°59 | 14°46 | 5°24 | 25°13 | 9°49 | 17° 1 | 11°10 | 3°D50 | 2°23 | 6°45 | 2°39 | T 19 |
| F 20 | 1 54 46 | 26°49'47 | 5♌51 | 14° 7 | 11°14 | 15°28 | 5°34 | 25°15 | 9°52 | 17° 2 | 11°12 | 3°50 | 2°20 | 6°52 | 2°38 | F 20 |
| S 21 | 1 58 43 | 27°48'53 | 19°41 | 13°51 | 12°28 | 16°10 | 5°45 | 25°17 | 9°56 | 17° 3 | 11°14 | 3°51 | 2°17 | 6°58 | 2°37 | S 21 |
| S 22 | 2 2 40 | 28°48'00 | 3♍55 | 13°D46 | 13°43 | 16°53 | 5°55 | 25°19 | 10° 0 | 17° 3 | 11°17 | 3°R52 | 2°14 | 7° 5 | 2°36 | S 22 |
| M23 | 2 6 36 | 29°47'10 | 18°31 | 13°51 | 14°57 | 17°35 | 6° 5 | 25°21 | 10° 3 | 17° 4 | 11°19 | 3°51 | 2°11 | 7°12 | 2°35 | M23 |
| T 24 | 2 10 33 | 0♏46'22 | 3♎26 | 14° 7 | 16°12 | 18°17 | 6°15 | 25°22 | 10° 7 | 17° 5 | 11°21 | 3°48 | 2° 7 | 7°18 | 2°34 | T 24 |
| W25 | 2 14 29 | 1°45'36 | 18°33 | 14°33 | 17°26 | 19° 0 | 6°25 | 25°24 | 10°10 | 17° 6 | 11°24 | 3°42 | 2° 4 | 7°25 | 2°33 | W25 |
| T 26 | 2 18 26 | 2°44'52 | 3♏42 | 15° 9 | 18°41 | 19°42 | 6°35 | 25°25 | 10°14 | 17° 7 | 11°26 | 3°35 | 2° 1 | 7°32 | 2°32 | T 26 |
| F 27 | 2 22 22 | 3°44'10 | 18°44 | 15°53 | 19°55 | 20°25 | 6°45 | 25°26 | 10°18 | 17° 8 | 11°28 | 3°25 | 1°58 | 7°38 | 2°31 | F 27 |
| S 28 | 2 26 19 | 4°43'30 | 3♐29 | 16°45 | 21°10 | 21° 8 | 6°55 | 25°27 | 10°21 | 17° 9 | 11°31 | 3°16 | 1°55 | 7°45 | 2°30 | S 28 |
| S 29 | 2 30 15 | 5°42'52 | 17°50 | 17°45 | 22°24 | 21°50 | 7° 4 | 25°28 | 10°25 | 17°10 | 11°33 | 3° 7 | 1°52 | 7°52 | 2°28 | S 29 |
| M30 | 2 34 12 | 6°42'16 | 1♑41 | 18°52 | 23°39 | 22°33 | 7°14 | 25°29 | 10°28 | 17°11 | 11°36 | 3° 0 | 1°48 | 7°58 | 2°27 | M30 |
| T 31 | 2 38 9 | 7♏41'41 | 15♑ 4 | 20♎ 4 | 24♏53 | 23♐16 | 7♍23 | 25♋30 | 10♎32 | 17♑12 | 11♏38 | 2♓56 | 1♓45 | 8♈ 5 | 2♋25 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3s15 | 26s52 | 5s11 | 14s41 | 4s 1 | 5s48 | 1n11 | 21s27 | 0s56 | 11n17 | 0n38 | 20n34 | 0s35 | 2s47 | 0n42 | 21s19 | 0n56 | 0n48 | 16n28 | 9s42 | 10s14 | 4n21 | 17n 5 | 6s12 |
| M 2 | 3 38 | 28 4 | 4 57 | 14 39 | 4 2 | 6 17 | 1 10 | 21 36 | 0 57 | 11 13 | 0 38 | 20 34 | 0 35 | 2 48 | 0 42 | 21 19 | 0 56 | 0 47 | 16 28 | 9 43 | 10 15 | 4 24 | 17 5 | 6 13 |
| T 3 | 4 1 | 27 36 | 4 26 | 14 32 | 4 1 | 6 46 | 1 8 | 21 44 | 0 57 | 11 9 | 0 38 | 20 33 | 0 34 | 2 50 | 0 42 | 21 19 | 0 56 | 0 46 | 16 27 | 9 43 | 10 16 | 4 27 | 17 4 | 6 13 |
| W 4 | 4 23 | 25 38 | 3 43 | 14 22 | 3 59 | 7 16 | 1 7 | 21 52 | 0 58 | 11 5 | 0 38 | 20 33 | 0 34 | 2 51 | 0 42 | 21 19 | 0 56 | 0 45 | 16 27 | 9 43 | 10 17 | 4 31 | 17 4 | 6 14 |
| T 5 | 4 46 | 22 27 | 2 51 | 14 8 | 3 56 | 7 45 | 1 5 | 22 0 | 0 58 | 11 1 | 0 38 | 20 32 | 0 34 | 2 53 | 0 42 | 21 19 | 0 56 | 0 44 | 16 27 | 9 43 | 10 18 | 4 34 | 17 3 | 6 14 |
| F 6 | 5 9 | 18 20 | 1 51 | 13 50 | 3 51 | 8 13 | 1 4 | 22 7 | 0 59 | 10 57 | 0 38 | 20 31 | 0 34 | 2 54 | 0 42 | 21 19 | 0 56 | 0 43 | 16 27 | 9 42 | 10 19 | 4 37 | 17 2 | 6 15 |
| S 7 | 5 32 | 13 33 | 0 48 | 13 27 | 3 44 | 8 42 | 1 2 | 22 15 | 0 59 | 10 53 | 0 38 | 20 31 | 0 34 | 2 56 | 0 42 | 21 19 | 0 56 | 0 42 | 16 26 | 9 41 | 10 21 | 4 41 | 17 2 | 6 15 |
| S 8 | 5 54 | 8 19 | 0n17 | 13 1 | 3 35 | 9 10 | 1 0 | 22 22 | 0 59 | 10 49 | 0 39 | 20 30 | 0 34 | 2 57 | 0 42 | 21 19 | 0 56 | 0 41 | 16 26 | 9 41 | 10 22 | 4 44 | 17 1 | 6 16 |
| M 9 | 6 17 | 2 50 | 1 20 | 12 30 | 3 25 | 9 39 | 0 59 | 22 29 | 1 0 | 10 45 | 0 39 | 20 30 | 0 34 | 2 59 | 0 42 | 21 19 | 0 56 | 0 41 | 16 26 | 9 42 | 10 23 | 4 47 | 17 1 | 6 16 |
| T 10 | 6 39 | 2n44 | 2 20 | 11 56 | 3 12 | 10 7 | 0 57 | 22 36 | 1 0 | 10 41 | 0 39 | 20 29 | 0 34 | 3 0 | 0 42 | 21 19 | 0 56 | 0 40 | 16 26 | 9 43 | 10 24 | 4 51 | 17 0 | 6 17 |
| W11 | 7 1 | 8 12 | 3 13 | 11 19 | 2 58 | 10 34 | 0 55 | 22 43 | 1 1 | 10 37 | 0 39 | 20 29 | 0 34 | 3 2 | 0 42 | 21 19 | 0 56 | 0 39 | 16 25 | 9 45 | 10 25 | 4 54 | 17 0 | 6 18 |
| T 12 | 7 24 | 13 25 | 3 59 | 10 39 | 2 42 | 11 2 | 0 53 | 22 50 | 1 1 | 10 33 | 0 39 | 20 28 | 0 34 | 3 3 | 0 42 | 21 19 | 0 56 | 0 38 | 16 25 | 9 47 | 10 26 | 4 57 | 16 59 | 6 18 |
| F 13 | 7 46 | 18 9 | 4 34 | 9 58 | 2 24 | 11 29 | 0 51 | 22 56 | 1 2 | 10 29 | 0 39 | 20 28 | 0 34 | 3 5 | 0 42 | 21 19 | 0 56 | 0 37 | 16 25 | 9 50 | 10 27 | 5 1 | 16 59 | 6 19 |
| S 14 | 8 8 | 22 12 | 4 57 | 9 16 | 2 6 | 11 56 | 0 49 | 23 2 | 1 2 | 10 25 | 0 39 | 20 27 | 0 34 | 3 6 | 0 42 | 21 19 | 0 56 | 0 36 | 16 25 | 9 54 | 10 29 | 5 4 | 16 58 | 6 19 |
| S 15 | 8 30 | 25 21 | 5 7 | 8 34 | 1 46 | 12 23 | 0 47 | 23 8 | 1 2 | 10 21 | 0 40 | 20 27 | 0 34 | 3 7 | 0 42 | 21 19 | 0 56 | 0 35 | 16 25 | 9 57 | 10 30 | 5 7 | 16 58 | 6 20 |
| M16 | 8 51 | 27 21 | 5 3 | 7 53 | 1 26 | 12 50 | 0 45 | 23 14 | 1 3 | 10 18 | 0 40 | 20 27 | 0 34 | 3 9 | 0 42 | 21 19 | 0 56 | 0 35 | 16 24 | 9 59 | 10 31 | 5 11 | 16 57 | 6 20 |
| T 17 | 9 13 | 28 0 | 4 44 | 7 14 | 1 5 | 13 16 | 0 43 | 23 20 | 1 3 | 10 14 | 0 40 | 20 26 | 0 34 | 3 10 | 0 42 | 21 19 | 0 56 | 0 34 | 16 24 | 10 1 | 10 32 | 5 14 | 16 57 | 6 21 |
| W18 | 9 35 | 27 10 | 4 11 | 6 38 | 0 45 | 13 42 | 0 41 | 23 25 | 1 3 | 10 10 | 0 40 | 20 26 | 0 34 | 3 12 | 0 42 | 21 19 | 0 56 | 0 33 | 16 24 | 10 3 | 10 33 | 5 17 | 16 56 | 6 21 |
| T 19 | 9 56 | 24 49 | 3 24 | 6 6 | 0 25 | 14 7 | 0 39 | 23 30 | 1 4 | 10 6 | 0 40 | 20 25 | 0 34 | 3 13 | 0 42 | 21 19 | 0 56 | 0 32 | 16 24 | 10 3 | 10 34 | 5 20 | 16 56 | 6 22 |
| F 20 | 10 17 | 21 3 | 2 25 | 5 38 | 0 6 | 14 32 | 0 37 | 23 35 | 1 4 | 10 3 | 0 40 | 20 25 | 0 34 | 3 15 | 0 42 | 21 19 | 0 56 | 0 31 | 16 24 | 10 3 | 10 35 | 5 24 | 16 55 | 6 22 |
| S 21 | 10 39 | 16 2 | 1 15 | 5 15 | 0n13 | 14 57 | 0 35 | 23 40 | 1 5 | 9 59 | 0 41 | 20 25 | 0 34 | 3 16 | 0 42 | 21 19 | 0 56 | 0 31 | 16 24 | 10 3 | 10 36 | 5 27 | 16 55 | 6 23 |
| S 22 | 11 0 | 10 1 | 0s 0 | 4 57 | 0 30 | 15 22 | 0 32 | 23 45 | 1 5 | 9 56 | 0 41 | 20 25 | 0 34 | 3 17 | 0 42 | 21 19 | 0 56 | 0 30 | 16 23 | 10 2 | 10 38 | 5 30 | 16 54 | 6 23 |
| M23 | 11 20 | 3 19 | 1 18 | 4 45 | 0 45 | 15 46 | 0 30 | 23 49 | 1 5 | 9 52 | 0 41 | 20 24 | 0 34 | 3 19 | 0 42 | 21 19 | 0 55 | 0 29 | 16 23 | 10 3 | 10 39 | 5 34 | 16 54 | 6 24 |
| T 24 | 11 41 | 3s41 | 2 31 | 4 37 | 1 0 | 16 9 | 0 28 | 23 53 | 1 6 | 9 48 | 0 41 | 20 24 | 0 34 | 3 20 | 0 42 | 21 19 | 0 55 | 0 28 | 16 23 | 10 4 | 10 40 | 5 37 | 16 53 | 6 24 |
| W25 | 12 1 | 10 33 | 3 35 | 4 36 | 1 12 | 16 33 | 0 25 | 23 57 | 1 6 | 9 45 | 0 41 | 20 24 | 0 34 | 3 22 | 0 42 | 21 19 | 0 55 | 0 27 | 16 23 | 10 6 | 10 41 | 5 40 | 16 53 | 6 25 |
| T 26 | 12 22 | 16 50 | 4 24 | 4 39 | 1 23 | 16 56 | 0 23 | 24 1 | 1 6 | 9 41 | 0 41 | 20 24 | 0 34 | 3 23 | 0 42 | 21 19 | 0 55 | 0 27 | 16 23 | 10 9 | 10 42 | 5 44 | 16 52 | 6 25 |
| F 27 | 12 42 | 22 1 | 4 54 | 4 47 | 1 33 | 17 18 | 0 20 | 24 5 | 1 6 | 9 38 | 0 42 | 20 23 | 0 34 | 3 24 | 0 42 | 21 19 | 0 55 | 0 26 | 16 23 | 10 12 | 10 43 | 5 47 | 16 52 | 6 26 |
| S 28 | 13 2 | 25 43 | 5 4 | 4 59 | 1 41 | 17 40 | 0 18 | 24 8 | 1 7 | 9 35 | 0 42 | 20 23 | 0 34 | 3 26 | 0 42 | 21 19 | 0 55 | 0 25 | 16 23 | 10 15 | 10 44 | 5 50 | 16 51 | 6 26 |
| S 29 | 13 22 | 27 39 | 4 54 | 5 16 | 1 48 | 18 2 | 0 16 | 24 11 | 1 7 | 9 31 | 0 42 | 20 23 | 0 34 | 3 27 | 0 42 | 21 18 | 0 55 | 0 24 | 16 23 | 10 19 | 10 46 | 5 53 | 16 51 | 6 27 |
| M30 | 13 41 | 27 45 | 4 27 | 5 36 | 1 53 | 18 23 | 0 13 | 24 14 | 1 7 | 9 28 | 0 42 | 20 23 | 0 34 | 3 29 | 0 42 | 21 18 | 0 55 | 0 24 | 16 23 | 10 21 | 10 47 | 5 57 | 16 50 | 6 27 |
| T 31 | 14s 0 | 26s13 | 3s46 | 6s 0 | 1n57 | 18s43 | 0n11 | 24s16 | 1s 8 | 9n25 | 0n42 | 20n23 | 0s34 | 3s30 | 0n42 | 21s18 | 0n55 | 0n23 | 16n23 | 10s23 | 10s48 | 6n 0 | 16n50 | 6s28 |

Julian Day Number = 2807929.5, Delta T = 52m16s
Ecliptic obliquity = 23°18'55, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°23'57, Lahiri = 37°30'57


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# ASTRODIENST EPHEMERIS for the year 2975
# geocentric

## NOVEMBER 2975 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 2 42 5 | 8♏41'09 | 27♑59 | 21♎22 | 26♏ 8 | 23♐59 | 7♍32 | 25♋31 | 10♎35 | 17♑13 | 11♏41 | 2°R53 | 1♓42 | 8♈12 | 2°R24 | W 1 |
| T 2 | 2 46 2 | 9°40'38 | 10♒30 | 22°44 | 27°22 | 24°42 | 7°41 | 25°31 | 10°39 | 17°14 | 11°43 | 2°D53 | 1°39 | 8°19 | 2♋22 | T 2 |
| F 3 | 2 49 58 | 10°40'08 | 22°43 | 24°10 | 28°37 | 25°25 | 7°50 | 25°32 | 10°42 | 17°15 | 11°45 | 2♓53 | 1°36 | 8°25 | 2°20 | F 3 |
| S 4 | 2 53 55 | 11°39'40 | 4♓42 | 25°39 | 29°51 | 26° 9 | 7°59 | 25°32 | 10°45 | 17°16 | 11°48 | 2°R53 | 1°33 | 8°32 | 2°19 | S 4 |
| S 5 | 2 57 51 | 12°39'14 | 16°33 | 27°10 | 1♐ 6 | 26°52 | 8° 8 | 25°33 | 10°49 | 17°17 | 11°50 | 2°52 | 1°29 | 8°39 | 2°17 | S 5 |
| M 6 | 3 1 48 | 13°38'50 | 28°21 | 28°44 | 2°20 | 27°35 | 8°17 | 25°33 | 10°52 | 17°18 | 11°53 | 2°49 | 1°26 | 8°45 | 2°15 | M 6 |
| T 7 | 3 5 44 | 14°38'27 | 10♈10 | 0♏19 | 3°35 | 28°19 | 8°25 | 25°R33 | 10°55 | 17°20 | 11°55 | 2°44 | 1°23 | 8°52 | 2°13 | T 7 |
| W 8 | 3 9 41 | 15°38'06 | 22° 2 | 1°56 | 4°49 | 29° 2 | 8°34 | 25°33 | 10°59 | 17°21 | 11°57 | 2°35 | 1°20 | 8°59 | 2°11 | W 8 |
| T 9 | 3 13 38 | 16°37'47 | 4♉ 2 | 3°34 | 6° 4 | 29°46 | 8°42 | 25°32 | 11° 2 | 17°22 | 12° 0 | 2°24 | 1°17 | 9° 5 | 2° 9 | T 9 |
| F 10 | 3 17 34 | 17°37'30 | 16°10 | 5°12 | 7°18 | 0♑30 | 8°50 | 25°32 | 11° 5 | 17°24 | 12° 2 | 2°11 | 1°13 | 9°12 | 2° 7 | F 10 |
| S 11 | 3 21 31 | 18°37'15 | 28°27 | 6°51 | 8°33 | 1°13 | 8°58 | 25°32 | 11° 8 | 17°25 | 12° 5 | 1°58 | 1°10 | 9°19 | 2° 5 | S 11 |
| S 12 | 3 25 27 | 19°37'02 | 10♊53 | 8°31 | 9°47 | 1°57 | 9° 6 | 25°31 | 11°12 | 17°26 | 12° 7 | 1°44 | 1° 7 | 9°25 | 2° 2 | S 12 |
| M13 | 3 29 24 | 20°36'51 | 23°31 | 10°11 | 11° 2 | 2°41 | 9°14 | 25°31 | 11°15 | 17°28 | 12° 9 | 1°32 | 1° 4 | 9°32 | 2° 0 | M13 |
| T 14 | 3 33 20 | 21°36'42 | 6♋18 | 11°51 | 12°16 | 3°25 | 9°22 | 25°30 | 11°18 | 17°29 | 12°12 | 1°23 | 1° 1 | 9°39 | 1°58 | T 14 |
| W15 | 3 37 17 | 22°36'35 | 19°18 | 13°31 | 13°31 | 4° 9 | 9°29 | 25°29 | 11°21 | 17°31 | 12°14 | 1°17 | 0°58 | 9°45 | 1°55 | W15 |
| T 16 | 3 41 13 | 23°36'30 | 2♌30 | 15°10 | 14°45 | 4°53 | 9°37 | 25°28 | 11°24 | 17°32 | 12°17 | 1°13 | 0°54 | 9°52 | 1°53 | T 16 |
| F 17 | 3 45 10 | 24°36'28 | 15°57 | 16°50 | 16° 0 | 5°38 | 9°44 | 25°27 | 11°27 | 17°34 | 12°19 | 1°12 | 0°51 | 9°59 | 1°50 | F 17 |
| S 18 | 3 49 7 | 25°36'27 | 29°40 | 18°30 | 17°14 | 6°22 | 9°51 | 25°26 | 11°30 | 17°35 | 12°21 | 1°12 | 0°48 | 10° 5 | 1°48 | S 18 |
| S 19 | 3 53 3 | 26°36'28 | 13♍40 | 20° 9 | 18°28 | 7° 6 | 9°58 | 25°24 | 11°33 | 17°37 | 12°24 | 1°11 | 0°45 | 10°12 | 1°45 | S 19 |
| M20 | 3 57 0 | 27°36'32 | 27°59 | 21°48 | 19°43 | 7°51 | 10° 5 | 25°23 | 11°36 | 17°38 | 12°26 | 1°10 | 0°42 | 10°19 | 1°42 | M20 |
| T 21 | 4 0 56 | 28°36'37 | 12♎33 | 23°26 | 20°57 | 8°35 | 10°12 | 25°22 | 11°39 | 17°40 | 12°28 | 1° 5 | 0°38 | 10°25 | 1°39 | T 21 |
| W22 | 4 4 53 | 29°36'45 | 27°18 | 25° 5 | 22°12 | 9°20 | 10°18 | 25°20 | 11°42 | 17°42 | 12°31 | 0°58 | 0°35 | 10°32 | 1°37 | W22 |
| T 23 | 4 8 49 | 0♐36'55 | 12♏ 9 | 26°43 | 23°26 | 10° 4 | 10°25 | 25°18 | 11°45 | 17°43 | 12°33 | 0°49 | 0°32 | 10°39 | 1°34 | T 23 |
| F 24 | 4 12 46 | 1°37'06 | 26°57 | 28°20 | 24°41 | 10°49 | 10°31 | 25°16 | 11°47 | 17°45 | 12°35 | 0°37 | 0°29 | 10°45 | 1°31 | F 24 |
| S 25 | 4 16 42 | 2°37'20 | 11♐33 | 29°58 | 25°55 | 11°34 | 10°37 | 25°14 | 11°50 | 17°47 | 12°38 | 0°25 | 0°26 | 10°52 | 1°28 | S 25 |
| S 26 | 4 20 39 | 3°37'35 | 25°50 | 1♑35 | 27°10 | 12°18 | 10°43 | 25°12 | 11°53 | 17°48 | 12°40 | 0°13 | 0°23 | 10°59 | 1°25 | S 26 |
| M27 | 4 24 36 | 4°37'52 | 9♑42 | 3°11 | 28°24 | 13° 3 | 10°49 | 25°10 | 11°55 | 17°50 | 12°42 | 0° 4 | 0°19 | 11° 5 | 1°22 | M27 |
| T 28 | 4 28 32 | 5°38'10 | 23° 6 | 4°47 | 29°39 | 13°48 | 10°54 | 25° 8 | 11°58 | 17°52 | 12°45 | 29♒57 | 0°16 | 11°12 | 1°19 | T 28 |
| W29 | 4 32 29 | 6°38'29 | 6♒ 5 | 6°23 | 0♑53 | 14°33 | 11° 0 | 25° 6 | 12° 1 | 17°54 | 12°47 | 29°53 | 0°13 | 11°19 | 1°16 | W29 |
| T 30 | 4 36 25 | 7♐38'50 | 18♒39 | 7♐59 | 2♑ 7 | 15♑18 | 11♍ 5 | 25♋ 3 | 12♎ 3 | 17♑56 | 12♏49 | 29♒51 | 0♓10 | 11♈25 | 1♋13 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14s19 | 23s19 | 2s55 | 6s26 | 2n 0 | 19s 3 | 0n 8 | 24s19 | 1s 8 | 9n21 | 0n42 | 20n23 | 0s34 | 3s31 | 0n42 | 21s18 | 0n55 | 0n22 | 16n23 | 10s24 | 10s49 | 6n 3 | 16n49 | 6s28 |
| T 2 | 14 38 | 19 23 | 1 56 | 6 54 | 2 2 | 19 23 | 0 6 | 24 21 | 1 8 | 9 18 | 0 43 | 20 23 | 0 34 | 3 33 | 0 42 | 21 18 | 0 55 | 0 21 | 16 23 | 10 24 | 10 50 | 6 7 | 16 49 | 6 29 |
| F 3 | 14 57 | 14 43 | 0 54 | 7 25 | 2 3 | 19 42 | 0 3 | 24 23 | 1 8 | 9 15 | 0 43 | 20 23 | 0 34 | 3 34 | 0 42 | 21 18 | 0 55 | 0 21 | 16 23 | 10 24 | 10 51 | 6 10 | 16 49 | 6 29 |
| S 4 | 15 15 | 9 35 | 0n10 | 7 57 | 2 3 | 20 0 | 0 0 | 24 24 | 1 9 | 9 12 | 0 43 | 20 22 | 0 33 | 3 35 | 0 42 | 21 18 | 0 55 | 0 20 | 16 23 | 10 24 | 10 52 | 6 13 | 16 48 | 6 30 |
| S 5 | 15 33 | 4 10 | 1 12 | 8 31 | 2 2 | 20 18 | 0s 2 | 24 26 | 1 9 | 9 9 | 0 43 | 20 22 | 0 33 | 3 36 | 0 42 | 21 18 | 0 55 | 0 19 | 16 23 | 10 24 | 10 53 | 6 16 | 16 48 | 6 30 |
| M 6 | 15 51 | 1n21 | 2 11 | 9 6 | 2 0 | 20 36 | 0 5 | 24 27 | 1 9 | 9 6 | 0 43 | 20 22 | 0 33 | 3 38 | 0 42 | 21 18 | 0 55 | 0 19 | 16 23 | 10 25 | 10 55 | 6 20 | 16 47 | 6 31 |
| T 7 | 16 9 | 6 50 | 3 4 | 9 42 | 1 57 | 20 53 | 0 7 | 24 28 | 1 9 | 9 3 | 0 44 | 20 23 | 0 33 | 3 39 | 0 42 | 21 17 | 0 55 | 0 18 | 16 23 | 10 27 | 10 56 | 6 23 | 16 47 | 6 31 |
| W 8 | 16 26 | 12 5 | 3 49 | 10 18 | 1 54 | 21 9 | 0 10 | 24 28 | 1 10 | 9 0 | 0 44 | 20 23 | 0 33 | 3 40 | 0 42 | 21 17 | 0 55 | 0 17 | 16 23 | 10 30 | 10 57 | 6 26 | 16 46 | 6 31 |
| T 9 | 16 43 | 16 57 | 4 25 | 10 54 | 1 50 | 21 25 | 0 13 | 24 29 | 1 10 | 8 57 | 0 44 | 20 23 | 0 33 | 3 42 | 0 42 | 21 17 | 0 55 | 0 17 | 16 23 | 10 34 | 10 58 | 6 29 | 16 46 | 6 32 |
| F 10 | 17 0 | 21 12 | 4 49 | 11 31 | 1 46 | 21 40 | 0 15 | 24 29 | 1 10 | 8 54 | 0 44 | 20 23 | 0 33 | 3 43 | 0 42 | 21 17 | 0 55 | 0 16 | 16 23 | 10 39 | 10 59 | 6 33 | 16 46 | 6 32 |
| S 11 | 17 17 | 24 35 | 5 0 | 12 8 | 1 42 | 21 54 | 0 18 | 24 29 | 1 10 | 8 51 | 0 44 | 20 23 | 0 33 | 3 44 | 0 42 | 21 17 | 0 55 | 0 15 | 16 23 | 10 43 | 11 0 | 6 36 | 16 45 | 6 33 |
| S 12 | 17 33 | 26 51 | 4 57 | 12 45 | 1 37 | 22 8 | 0 20 | 24 28 | 1 10 | 8 48 | 0 45 | 20 23 | 0 33 | 3 45 | 0 42 | 21 17 | 0 55 | 0 15 | 16 23 | 10 48 | 11 1 | 6 39 | 16 45 | 6 33 |
| M13 | 17 49 | 27 48 | 4 39 | 13 21 | 1 31 | 22 22 | 0 23 | 24 28 | 1 11 | 8 45 | 0 45 | 20 23 | 0 33 | 3 46 | 0 43 | 21 17 | 0 55 | 0 14 | 16 23 | 10 52 | 11 2 | 6 42 | 16 44 | 6 34 |
| T 14 | 18 4 | 27 17 | 4 7 | 13 57 | 1 26 | 22 34 | 0 26 | 24 27 | 1 11 | 8 43 | 0 45 | 20 23 | 0 33 | 3 48 | 0 43 | 21 17 | 0 55 | 0 14 | 16 23 | 10 56 | 11 3 | 6 46 | 16 44 | 6 34 |
| W15 | 18 20 | 25 16 | 3 22 | 14 33 | 1 20 | 22 46 | 0 28 | 24 26 | 1 11 | 8 40 | 0 45 | 20 24 | 0 33 | 3 49 | 0 43 | 21 16 | 0 55 | 0 13 | 16 23 | 10 58 | 11 5 | 6 49 | 16 44 | 6 34 |
| T 16 | 18 35 | 21 52 | 2 25 | 15 8 | 1 14 | 22 57 | 0 31 | 24 25 | 1 11 | 8 38 | 0 45 | 20 24 | 0 33 | 3 50 | 0 43 | 21 16 | 0 55 | 0 12 | 16 23 | 10 59 | 11 6 | 6 52 | 16 43 | 6 35 |
| F 17 | 18 49 | 17 15 | 1 20 | 15 42 | 1 7 | 23 8 | 0 33 | 24 23 | 1 11 | 8 35 | 0 46 | 20 24 | 0 33 | 3 51 | 0 43 | 21 16 | 0 55 | 0 12 | 16 23 | 11 0 | 11 7 | 6 55 | 16 43 | 6 35 |
| S 18 | 19 4 | 11 39 | 0 8 | 16 16 | 1 1 | 23 18 | 0 36 | 24 21 | 1 11 | 8 33 | 0 46 | 20 24 | 0 33 | 3 52 | 0 43 | 21 16 | 0 55 | 0 11 | 16 23 | 11 0 | 11 8 | 6 59 | 16 43 | 6 36 |
| S 19 | 19 18 | 5 23 | 1s 5 | 16 49 | 0 54 | 23 27 | 0 38 | 24 19 | 1 12 | 8 30 | 0 46 | 20 24 | 0 33 | 3 53 | 0 43 | 21 16 | 0 54 | 0 11 | 16 23 | 11 0 | 11 9 | 7 2 | 16 42 | 6 36 |
| M20 | 19 31 | 1s17 | 2 16 | 17 21 | 0 48 | 23 36 | 0 41 | 24 17 | 1 12 | 8 28 | 0 46 | 20 25 | 0 33 | 3 55 | 0 43 | 21 16 | 0 54 | 0 10 | 16 23 | 11 0 | 11 10 | 7 5 | 16 42 | 6 36 |
| T 21 | 19 45 | 8 0 | 3 20 | 17 53 | 0 41 | 23 44 | 0 43 | 24 14 | 1 12 | 8 25 | 0 46 | 20 25 | 0 33 | 3 56 | 0 43 | 21 15 | 0 54 | 0 10 | 16 24 | 11 2 | 11 11 | 7 8 | 16 42 | 6 37 |
| W22 | 19 58 | 14 21 | 4 10 | 18 23 | 0 34 | 23 51 | 0 46 | 24 11 | 1 12 | 8 23 | 0 47 | 20 25 | 0 33 | 3 57 | 0 43 | 21 15 | 0 54 | 0 9 | 16 24 | 11 4 | 11 12 | 7 12 | 16 41 | 6 37 |
| T 23 | 20 10 | 19 55 | 4 45 | 18 53 | 0 27 | 23 58 | 0 48 | 24 8 | 1 12 | 8 21 | 0 47 | 20 26 | 0 33 | 3 58 | 0 43 | 21 15 | 0 54 | 0 9 | 16 24 | 11 8 | 11 14 | 7 15 | 16 41 | 6 37 |
| F 24 | 20 23 | 24 14 | 4 59 | 19 21 | 0 20 | 24 3 | 0 51 | 24 5 | 1 12 | 8 19 | 0 47 | 20 26 | 0 33 | 3 59 | 0 43 | 21 15 | 0 54 | 0 8 | 16 24 | 11 12 | 11 15 | 7 18 | 16 41 | 6 38 |
| S 25 | 20 35 | 26 55 | 4 55 | 19 49 | 0 14 | 24 8 | 0 53 | 24 1 | 1 12 | 8 17 | 0 47 | 20 27 | 0 33 | 4 0 | 0 43 | 21 15 | 0 54 | 0 8 | 16 24 | 11 16 | 11 16 | 7 21 | 16 40 | 6 38 |
| S 26 | 20 46 | 27 46 | 4 31 | 20 16 | 0 7 | 24 13 | 0 56 | 23 57 | 1 12 | 8 15 | 0 47 | 20 27 | 0 33 | 4 1 | 0 43 | 21 14 | 0 54 | 0 7 | 16 24 | 11 20 | 11 17 | 7 25 | 16 40 | 6 38 |
| M27 | 20 57 | 26 49 | 3 52 | 20 41 | 0s 0 | 24 16 | 0 58 | 23 53 | 1 13 | 8 13 | 0 48 | 20 27 | 0 32 | 4 2 | 0 43 | 21 14 | 0 54 | 0 7 | 16 25 | 11 24 | 11 18 | 7 28 | 16 40 | 6 39 |
| T 28 | 21 8 | 24 19 | 3 1 | 21 6 | 0 7 | 24 19 | 1 0 | 23 48 | 1 13 | 8 11 | 0 48 | 20 28 | 0 32 | 4 3 | 0 43 | 21 14 | 0 54 | 0 6 | 16 25 | 11 26 | 11 19 | 7 31 | 16 39 | 6 39 |
| W29 | 21 18 | 20 38 | 2 2 | 21 29 | 0 14 | 24 21 | 1 3 | 23 44 | 1 13 | 8 9 | 0 48 | 20 28 | 0 32 | 4 4 | 0 43 | 21 14 | 0 54 | 0 6 | 16 25 | 11 27 | 11 20 | 7 34 | 16 39 | 6 39 |
| T 30 | 21s28 | 16s 5 | 0s59 | 21s52 | 0s20 | 24s23 | 1s 5 | 23s39 | 1s13 | 8n 7 | 0n48 | 20n29 | 0s32 | 4s 5 | 0n43 | 21s14 | 0n54 | 0n 5 | 16n25 | 11s28 | 11s21 | 7n38 | 16n39 | 6s40 |

Julian Day Number = 2807960.5, Delta T = 52m17s
Ecliptic obliquity = 23°18'54, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°24'01, Lahiri = 37°31'01


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# ASTRODIENST EPHEMERIS for the year 2975
# geocentric

## DECEMBER 2975 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 4 40 22 | 8♐39'13 | 0♓54 | 9♐34 | 3♑22 | 16♑ 3 | 11♏10 | 25°R 1 | 12♎ 6 | 17♑57 | 12♏51 | 29°D50 | 0♓ 7 | 11♈32 | 1°R 9 | F 1 |
| S 2 | 4 44 18 | 9°39'36 | 12°55 | 11° 9 | 4°36 | 16°49 | 11°15 | 24♋58 | 12° 8 | 17°59 | 12°54 | 29°R50 | 0° 4 | 11°39 | 1♋ 6 | S 2 |
| S 3 | 4 48 15 | 10°40'01 | 24°47 | 12°44 | 5°51 | 17°34 | 11°20 | 24°55 | 12°11 | 18° 1 | 12°56 | 29♒50 | 0° 0 | 11°45 | 1° 3 | S 3 |
| M 4 | 4 52 12 | 11°40'27 | 6♈35 | 14°19 | 7° 5 | 18°19 | 11°24 | 24°52 | 12°13 | 18° 3 | 12°58 | 29°47 | 29♒57 | 11°52 | 1° 0 | M 4 |
| T 5 | 4 56 8 | 12°40'54 | 18°26 | 15°53 | 8°19 | 19° 5 | 11°29 | 24°50 | 12°15 | 18° 5 | 13° 0 | 29°42 | 29°54 | 11°59 | 0°56 | T 5 |
| W 6 | 5 0 5 | 13°41'23 | 0♉22 | 17°27 | 9°34 | 19°50 | 11°33 | 24°47 | 12°18 | 18° 7 | 13° 2 | 29°34 | 29°51 | 12° 6 | 0°53 | W 6 |
| T 7 | 5 4 1 | 14°41'53 | 12°28 | 19° 1 | 10°48 | 20°35 | 11°37 | 24°43 | 12°20 | 18° 9 | 13° 4 | 29°24 | 29°48 | 12°12 | 0°50 | T 7 |
| F 8 | 5 7 58 | 15°42'24 | 24°45 | 20°35 | 12° 3 | 21°21 | 11°41 | 24°40 | 12°22 | 18°11 | 13° 6 | 29°11 | 29°44 | 12°19 | 0°46 | F 8 |
| S 9 | 5 11 54 | 16°42'57 | 7♊16 | 22° 8 | 13°17 | 22° 7 | 11°45 | 24°37 | 12°24 | 18°13 | 13° 9 | 28°58 | 29°41 | 12°26 | 0°43 | S 9 |
| S 10 | 5 15 51 | 17°43'31 | 20° 0 | 23°42 | 14°31 | 22°52 | 11°49 | 24°34 | 12°26 | 18°15 | 13°11 | 28°45 | 29°38 | 12°32 | 0°39 | S 10 |
| M11 | 5 19 47 | 18°44'07 | 2♋57 | 25°15 | 15°46 | 23°38 | 11°52 | 24°30 | 12°28 | 18°17 | 13°13 | 28°34 | 29°35 | 12°39 | 0°36 | M11 |
| T 12 | 5 23 44 | 19°44'44 | 16° 6 | 26°48 | 17° 0 | 24°24 | 11°55 | 24°27 | 12°30 | 18°19 | 13°15 | 28°25 | 29°32 | 12°46 | 0°32 | T 12 |
| W13 | 5 27 41 | 20°45'23 | 29°25 | 28°21 | 18°14 | 25° 9 | 11°58 | 24°23 | 12°32 | 18°21 | 13°17 | 28°18 | 29°29 | 12°52 | 0°29 | W13 |
| T 14 | 5 31 37 | 21°46'02 | 12♌55 | 29°54 | 19°28 | 25°55 | 12° 1 | 24°19 | 12°34 | 18°23 | 13°19 | 28°15 | 29°25 | 12°59 | 0°25 | T 14 |
| F 15 | 5 35 34 | 22°46'44 | 26°34 | 1♑27 | 20°43 | 26°41 | 12° 4 | 24°16 | 12°36 | 18°25 | 13°21 | 28°D14 | 29°22 | 13° 6 | 0°22 | F 15 |
| S 16 | 5 39 30 | 23°47'27 | 10♍22 | 3° 0 | 21°57 | 27°27 | 12° 6 | 24°12 | 12°38 | 18°27 | 13°23 | 28°14 | 29°19 | 13°12 | 0°18 | S 16 |
| S 17 | 5 43 27 | 24°48'11 | 24°19 | 4°33 | 23°11 | 28°13 | 12° 9 | 24° 8 | 12°40 | 18°29 | 13°25 | 28°R15 | 29°16 | 13°19 | 0°15 | S 17 |
| M18 | 5 47 23 | 25°48'57 | 8♎26 | 6° 5 | 24°26 | 28°59 | 12°11 | 24° 4 | 12°41 | 18°31 | 13°27 | 28°14 | 29°13 | 13°26 | 0°11 | M18 |
| T 19 | 5 51 20 | 26°49'44 | 22°42 | 7°38 | 25°40 | 29°45 | 12°13 | 24° 0 | 12°43 | 18°34 | 13°29 | 28°11 | 29°10 | 13°32 | 0° 8 | T 19 |
| W20 | 5 55 16 | 27°50'33 | 7♏ 3 | 9°10 | 26°54 | 0♒31 | 12°14 | 23°56 | 12°45 | 18°36 | 13°30 | 28° 6 | 29° 6 | 13°39 | 0° 4 | W20 |
| T 21 | 5 59 13 | 28°51'23 | 21°27 | 10°42 | 28° 8 | 1°18 | 12°16 | 23°51 | 12°46 | 18°38 | 13°32 | 27°58 | 29° 3 | 13°46 | 0° 0 | T 21 |
| F 22 | 6 3 10 | 29°52'14 | 5♐48 | 12°14 | 29°22 | 2° 4 | 12°17 | 23°47 | 12°48 | 18°40 | 13°34 | 27°49 | 29° 0 | 13°52 | 29♊57 | F 22 |
| S 23 | 6 7 6 | 0♑53'07 | 20° 0 | 13°46 | 0♒37 | 2°50 | 12°18 | 23°43 | 12°49 | 18°42 | 13°36 | 27°39 | 28°57 | 13°59 | 29°53 | S 23 |
| S 24 | 6 11 3 | 1°54'01 | 3♑58 | 15°18 | 1°51 | 3°37 | 12°19 | 23°39 | 12°51 | 18°44 | 13°38 | 27°30 | 28°54 | 14° 6 | 29°50 | S 24 |
| M25 | 6 14 59 | 2°54'56 | 17°37 | 16°49 | 3° 5 | 4°23 | 12°20 | 23°34 | 12°52 | 18°47 | 13°40 | 27°22 | 28°51 | 14°13 | 29°46 | M25 |
| T 26 | 6 18 56 | 3°55'51 | 0♒55 | 18°20 | 4°19 | 5° 9 | 12°21 | 23°30 | 12°53 | 18°49 | 13°41 | 27°16 | 28°47 | 14°19 | 29°42 | T 26 |
| W27 | 6 22 52 | 4°56'48 | 13°50 | 19°51 | 5°33 | 5°56 | 12°21 | 23°25 | 12°54 | 18°51 | 13°43 | 27°13 | 28°44 | 14°26 | 29°39 | W27 |
| T 28 | 6 26 49 | 5°57'44 | 26°25 | 21°21 | 6°47 | 6°42 | 12°R21 | 23°21 | 12°56 | 18°53 | 13°45 | 27°D12 | 28°41 | 14°33 | 29°35 | T 28 |
| F 29 | 6 30 46 | 6°58'42 | 8♓41 | 22°51 | 8° 1 | 7°29 | 12°21 | 23°16 | 12°57 | 18°55 | 13°46 | 27°13 | 28°38 | 14°39 | 29°32 | F 29 |
| S 30 | 6 34 42 | 7°59'40 | 20°44 | 24°20 | 9°15 | 8°16 | 12°21 | 23°11 | 12°58 | 18°58 | 13°48 | 27°14 | 28°35 | 14°46 | 29°28 | S 30 |
| S 31 | 6 38 39 | 9♑ 0'39 | 2♈38 | 25♑49 | 10♒29 | 9♒ 2 | 12♏20 | 23♋ 7 | 12♎59 | 19♑ 0 | 13♏50 | 27♒15 | 28♒31 | 14♈53 | 29♊25 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 21s38 | 11s 1 | 0n 6 | 22s13 | 0s27 | 24s23 | 1s 7 | 23s34 | 1s13 | 8n 5 | 0n49 | 20n29 | 0s32 | 4s 6 | 0n43 | 21s13 | 0n54 | 0n 5 | 16n25 | 11s28 | 11s22 | 7n41 | 16n39 | 6s40 |
| S 2 | 21 47 | 5 37 | 1 9 | 22 33 | 0 34 | 24 23 | 1 9 | 23 28 | 1 13 | 8 4 | 0 49 | 20 30 | 0 32 | 4 7 | 0 43 | 21 13 | 0 54 | 0 5 | 16 26 | 11 28 | 11 24 | 7 44 | 16 38 | 6 40 |
| S 3 | 21 56 | 0 6 | 2 8 | 22 52 | 0 40 | 24 23 | 1 12 | 23 22 | 1 13 | 8 2 | 0 49 | 20 30 | 0 32 | 4 8 | 0 43 | 21 13 | 0 54 | 0 4 | 16 26 | 11 28 | 11 25 | 7 47 | 16 38 | 6 40 |
| M 4 | 22 4 | 5n23 | 3 2 | 23 10 | 0 46 | 24 21 | 1 14 | 23 17 | 1 13 | 8 1 | 0 49 | 20 31 | 0 32 | 4 9 | 0 43 | 21 13 | 0 54 | 0 4 | 16 26 | 11 29 | 11 26 | 7 50 | 16 38 | 6 41 |
| T 5 | 22 12 | 10 41 | 3 47 | 23 27 | 0 53 | 24 19 | 1 16 | 23 10 | 1 13 | 7 59 | 0 50 | 20 32 | 0 32 | 4 9 | 0 43 | 21 12 | 0 54 | 0 3 | 16 26 | 11 31 | 11 27 | 7 54 | 16 38 | 6 41 |
| W 6 | 22 19 | 15 39 | 4 23 | 23 42 | 0 59 | 24 16 | 1 18 | 23 4 | 1 13 | 7 58 | 0 50 | 20 32 | 0 32 | 4 10 | 0 43 | 21 12 | 0 54 | 0 3 | 16 27 | 11 34 | 11 28 | 7 57 | 16 38 | 6 41 |
| T 7 | 22 27 | 20 4 | 4 48 | 23 56 | 1 5 | 24 12 | 1 20 | 22 57 | 1 13 | 7 56 | 0 50 | 20 33 | 0 32 | 4 11 | 0 43 | 21 12 | 0 54 | 0 3 | 16 27 | 11 38 | 11 29 | 8 0 | 16 37 | 6 41 |
| F 8 | 22 33 | 23 42 | 5 0 | 24 9 | 1 10 | 24 8 | 1 22 | 22 50 | 1 13 | 7 55 | 0 50 | 20 33 | 0 32 | 4 12 | 0 43 | 21 12 | 0 54 | 0 2 | 16 27 | 11 42 | 11 30 | 8 3 | 16 37 | 6 42 |
| S 9 | 22 39 | 26 18 | 4 58 | 24 21 | 1 16 | 24 2 | 1 24 | 22 43 | 1 13 | 7 54 | 0 50 | 20 34 | 0 32 | 4 13 | 0 43 | 21 12 | 0 54 | 0 2 | 16 28 | 11 46 | 11 31 | 8 6 | 16 37 | 6 42 |
| S 10 | 22 45 | 27 37 | 4 41 | 24 31 | 1 22 | 23 57 | 1 25 | 22 35 | 1 13 | 7 53 | 0 51 | 20 35 | 0 32 | 4 14 | 0 43 | 21 11 | 0 54 | 0 2 | 16 28 | 11 51 | 11 32 | 8 10 | 16 37 | 6 42 |
| M11 | 22 50 | 27 26 | 4 9 | 24 41 | 1 27 | 23 50 | 1 27 | 22 28 | 1 13 | 7 52 | 0 51 | 20 35 | 0 32 | 4 14 | 0 43 | 21 11 | 0 54 | 0 2 | 16 28 | 11 55 | 11 34 | 8 13 | 16 37 | 6 42 |
| T 12 | 22 55 | 25 43 | 3 24 | 24 49 | 1 32 | 23 43 | 1 29 | 22 20 | 1 13 | 7 51 | 0 51 | 20 36 | 0 32 | 4 15 | 0 43 | 21 11 | 0 54 | 0 1 | 16 28 | 11 58 | 11 35 | 8 16 | 16 36 | 6 42 |
| W13 | 23 0 | 22 33 | 2 27 | 24 55 | 1 37 | 23 35 | 1 31 | 22 11 | 1 13 | 7 50 | 0 51 | 20 37 | 0 32 | 4 16 | 0 43 | 21 11 | 0 54 | 0 1 | 16 29 | 12 0 | 11 36 | 8 19 | 16 36 | 6 43 |
| T 14 | 23 4 | 18 8 | 1 21 | 25 1 | 1 42 | 23 26 | 1 32 | 22 3 | 1 13 | 7 49 | 0 52 | 20 37 | 0 31 | 4 16 | 0 43 | 21 10 | 0 54 | 0 1 | 16 29 | 12 1 | 11 37 | 8 22 | 16 36 | 6 43 |
| F 15 | 23 7 | 12 44 | 0 9 | 25 5 | 1 46 | 23 16 | 1 34 | 21 54 | 1 13 | 7 48 | 0 52 | 20 38 | 0 31 | 4 17 | 0 43 | 21 10 | 0 54 | 0 1 | 16 29 | 12 2 | 11 38 | 8 26 | 16 36 | 6 43 |
| S 16 | 23 10 | 6 39 | 1s 4 | 25 7 | 1 51 | 23 6 | 1 35 | 21 45 | 1 13 | 7 47 | 0 52 | 20 39 | 0 31 | 4 18 | 0 43 | 21 10 | 0 54 | 0 0 | 16 30 | 12 1 | 11 39 | 8 29 | 16 36 | 6 43 |
| S 17 | 23 13 | 0 11 | 2 14 | 25 9 | 1 55 | 22 55 | 1 37 | 21 36 | 1 13 | 7 47 | 0 52 | 20 40 | 0 31 | 4 18 | 0 43 | 21 10 | 0 54 | 0 0 | 16 30 | 12 1 | 11 40 | 8 32 | 16 36 | 6 43 |
| M18 | 23 15 | 6s21 | 3 17 | 25 9 | 1 58 | 22 44 | 1 38 | 21 27 | 1 13 | 7 46 | 0 53 | 20 40 | 0 31 | 4 19 | 0 44 | 21 9 | 0 54 | 0s 0 | 16 30 | 12 2 | 11 41 | 8 35 | 16 36 | 6 43 |
| T 19 | 23 17 | 12 38 | 4 8 | 25 7 | 2 2 | 22 32 | 1 39 | 21 17 | 1 13 | 7 46 | 0 53 | 20 41 | 0 31 | 4 20 | 0 44 | 21 9 | 0 54 | 0 0 | 16 31 | 12 3 | 11 42 | 8 38 | 16 35 | 6 43 |
| W20 | 23 18 | 18 16 | 4 44 | 25 5 | 2 5 | 22 19 | 1 41 | 21 7 | 1 13 | 7 45 | 0 53 | 20 42 | 0 31 | 4 20 | 0 44 | 21 9 | 0 54 | 0 0 | 16 31 | 12 4 | 11 43 | 8 41 | 16 35 | 6 44 |
| T 21 | 23 19 | 22 54 | 5 2 | 25 1 | 2 8 | 22 5 | 1 42 | 20 57 | 1 13 | 7 45 | 0 53 | 20 43 | 0 31 | 4 21 | 0 44 | 21 8 | 0 54 | 0 1 | 16 32 | 12 7 | 11 45 | 8 45 | 16 35 | 6 44 |
| F 22 | 23 19 | 26 6 | 5 1 | 24 55 | 2 10 | 21 51 | 1 43 | 20 47 | 1 13 | 7 45 | 0 54 | 20 44 | 0 31 | 4 21 | 0 44 | 21 8 | 0 54 | 0 1 | 16 32 | 12 10 | 11 46 | 8 48 | 16 35 | 6 44 |
| S 23 | 23 19 | 27 37 | 4 42 | 24 48 | 2 13 | 21 37 | 1 44 | 20 36 | 1 12 | 7 44 | 0 54 | 20 44 | 0 31 | 4 22 | 0 44 | 21 8 | 0 54 | 0 1 | 16 32 | 12 14 | 11 47 | 8 51 | 16 35 | 6 44 |
| S 24 | 23 18 | 27 21 | 4 6 | 24 40 | 2 14 | 21 21 | 1 45 | 20 25 | 1 12 | 7 44 | 0 54 | 20 45 | 0 31 | 4 22 | 0 44 | 21 8 | 0 54 | 0 1 | 16 33 | 12 17 | 11 48 | 8 54 | 16 35 | 6 44 |
| M25 | 23 17 | 25 24 | 3 16 | 24 31 | 2 16 | 21 5 | 1 46 | 20 14 | 1 12 | 7 44 | 0 54 | 20 46 | 0 31 | 4 23 | 0 44 | 21 7 | 0 54 | 0 1 | 16 33 | 12 19 | 11 49 | 8 57 | 16 35 | 6 44 |
| T 26 | 23 15 | 22 4 | 2 16 | 24 20 | 2 17 | 20 48 | 1 47 | 20 3 | 1 12 | 7 44 | 0 55 | 20 47 | 0 31 | 4 23 | 0 44 | 21 7 | 0 54 | 0 1 | 16 34 | 12 21 | 11 50 | 9 1 | 16 35 | 6 44 |
| W27 | 23 13 | 17 43 | 1 11 | 24 7 | 2 18 | 20 31 | 1 47 | 19 51 | 1 12 | 7 44 | 0 55 | 20 48 | 0 30 | 4 24 | 0 44 | 21 7 | 0 54 | 0 1 | 16 34 | 12 22 | 11 51 | 9 4 | 16 35 | 6 44 |
| T 28 | 23 11 | 12 43 | 0 4 | 23 54 | 2 18 | 20 13 | 1 48 | 19 40 | 1 12 | 7 44 | 0 55 | 20 49 | 0 30 | 4 24 | 0 44 | 21 6 | 0 54 | 0 1 | 16 34 | 12 23 | 11 52 | 9 7 | 16 35 | 6 44 |
| F 29 | 23 8 | 7 19 | 1n 2 | 23 39 | 2 17 | 19 55 | 1 49 | 19 28 | 1 12 | 7 45 | 0 55 | 20 49 | 0 30 | 4 25 | 0 44 | 21 6 | 0 54 | 0 1 | 16 35 | 12 23 | 11 53 | 9 10 | 16 35 | 6 44 |
| S 30 | 23 5 | 1 46 | 2 3 | 23 23 | 2 16 | 19 36 | 1 49 | 19 16 | 1 12 | 7 45 | 0 56 | 20 50 | 0 30 | 4 25 | 0 44 | 21 6 | 0 54 | 0 1 | 16 35 | 12 22 | 11 54 | 9 13 | 16 35 | 6 44 |
| S 31 | 23s 1 | 3n47 | 2n59 | 23s 5 | 2s15 | 19s17 | 1s50 | 19s 3 | 1s11 | 7n45 | 0n56 | 20n51 | 0s30 | 4s25 | 0n44 | 21s 6 | 0n54 | 0s 1 | 16n36 | 12s22 | 11s56 | 9n16 | 16n35 | 6s44 |

Julian Day Number = 2807990.5, Delta T = 52m17s
Ecliptic obliquity = 23°18'54, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°24'05, Lahiri = 37°31'05


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# ASTRODIENST EPHEMERIS for the year 2976
# geocentric

## JANUARY 2976 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 6 42 35 | 10♑ 1'38 | 14♈28 | 27♑16 | 11♒43 | 9♒49 | 12°R20 | 23°R 2 | 13♎ 0 | 19♑ 2 | 13♏51 | 27°R15 | 28♒28 | 14♈59 | 29°R21 | M 1 |
| T 2 | 6 46 32 | 11° 2'37 | 26°19 | 28°42 | 12°57 | 10°35 | 12♍19 | 22♋57 | 13° 1 | 19° 4 | 13°53 | 27♒14 | 28°25 | 15° 6 | 29♊18 | T 2 |
| W 3 | 6 50 28 | 12° 3'37 | 8♉17 | 0♒ 7 | 14°11 | 11°22 | 12°18 | 22°52 | 13° 2 | 19° 7 | 13°54 | 27°10 | 28°22 | 15°13 | 29°14 | W 3 |
| T 4 | 6 54 25 | 13° 4'37 | 20°26 | 1°31 | 15°25 | 12° 9 | 12°17 | 22°48 | 13° 2 | 19° 9 | 13°56 | 27° 5 | 28°19 | 15°19 | 29°11 | T 4 |
| F 5 | 6 58 21 | 14° 5'38 | 2♊49 | 2°52 | 16°39 | 12°56 | 12°15 | 22°43 | 13° 3 | 19°11 | 13°57 | 26°58 | 28°16 | 15°26 | 29° 7 | F 5 |
| S 6 | 7 2 18 | 15° 6'39 | 15°29 | 4°12 | 17°53 | 13°43 | 12°14 | 22°38 | 13° 4 | 19°13 | 13°59 | 26°50 | 28°12 | 15°33 | 29° 4 | S 6 |
| S 7 | 7 6 15 | 16° 7'41 | 28°27 | 5°28 | 19° 7 | 14°30 | 12°12 | 22°33 | 13° 4 | 19°16 | 14° 0 | 26°42 | 28° 9 | 15°39 | 29° 0 | S 7 |
| M 8 | 7 10 11 | 17° 8'43 | 11♋43 | 6°42 | 20°20 | 15°16 | 12°10 | 22°28 | 13° 5 | 19°18 | 14° 1 | 26°36 | 28° 6 | 15°46 | 28°57 | M 8 |
| T 9 | 7 14 8 | 18° 9'45 | 25°15 | 7°52 | 21°34 | 16° 3 | 12° 8 | 22°23 | 13° 5 | 19°20 | 14° 3 | 26°30 | 28° 3 | 15°53 | 28°54 | T 9 |
| W10 | 7 18 4 | 19°10'48 | 9♌ 1 | 8°58 | 22°48 | 16°50 | 12° 6 | 22°18 | 13° 6 | 19°22 | 14° 4 | 26°27 | 28° 0 | 15°59 | 28°50 | W10 |
| T 11 | 7 22 1 | 20°11'52 | 22°57 | 9°59 | 24° 1 | 17°37 | 12° 3 | 22°13 | 13° 6 | 19°25 | 14° 5 | 26°D26 | 27°57 | 16° 6 | 28°47 | T 11 |
| F 12 | 7 25 57 | 21°12'55 | 7♍ 0 | 10°55 | 25°15 | 18°24 | 12° 0 | 22° 8 | 13° 7 | 19°27 | 14° 6 | 26°26 | 27°53 | 16°13 | 28°44 | F 12 |
| S 13 | 7 29 54 | 22°14'00 | 21° 8 | 11°44 | 26°29 | 19°11 | 11°57 | 22° 3 | 13° 7 | 19°29 | 14° 8 | 26°28 | 27°50 | 16°20 | 28°40 | S 13 |
| S 14 | 7 33 50 | 23°15'04 | 5♎17 | 12°27 | 27°42 | 19°58 | 11°54 | 21°59 | 13° 7 | 19°32 | 14° 9 | 26°29 | 27°47 | 16°26 | 28°37 | S 14 |
| M15 | 7 37 47 | 24°16'10 | 19°27 | 13° 1 | 28°56 | 20°45 | 11°51 | 21°54 | 13° 7 | 19°34 | 14°10 | 26°R30 | 27°44 | 16°33 | 28°34 | M15 |
| T 16 | 7 41 44 | 25°17'16 | 3♏36 | 13°26 | 0♓ 9 | 21°33 | 11°47 | 21°49 | 13° 7 | 19°36 | 14°11 | 26°30 | 27°41 | 16°40 | 28°31 | T 16 |
| W17 | 7 45 40 | 26°18'22 | 17°41 | 13°41 | 1°22 | 22°20 | 11°44 | 21°44 | 13° 8 | 19°38 | 14°12 | 26°28 | 27°37 | 16°46 | 28°28 | W17 |
| T 18 | 7 49 37 | 27°19'29 | 1♐41 | 13°R46 | 2°36 | 23° 7 | 11°40 | 21°39 | 13°R 8 | 19°41 | 14°13 | 26°25 | 27°34 | 16°53 | 28°25 | T 18 |
| F 19 | 7 53 33 | 28°20'36 | 15°34 | 13°39 | 3°49 | 23°54 | 11°36 | 21°34 | 13° 8 | 19°43 | 14°14 | 26°21 | 27°31 | 17° 0 | 28°22 | F 19 |
| S 20 | 7 57 30 | 29°21'44 | 29°16 | 13°20 | 5° 2 | 24°41 | 11°32 | 21°29 | 13° 7 | 19°45 | 14°15 | 26°17 | 27°28 | 17° 6 | 28°19 | S 20 |
| S 21 | 8 1 26 | 0♒22'52 | 12♑47 | 12°50 | 6°16 | 25°29 | 11°27 | 21°24 | 13° 7 | 19°47 | 14°16 | 26°13 | 27°25 | 17°13 | 28°16 | S 21 |
| M22 | 8 5 23 | 1°24'00 | 26° 3 | 12° 8 | 7°29 | 26°16 | 11°23 | 21°19 | 13° 7 | 19°50 | 14°17 | 26° 9 | 27°22 | 17°20 | 28°13 | M22 |
| T 23 | 8 9 19 | 2°25'07 | 9♒ 3 | 11°15 | 8°42 | 27° 3 | 11°18 | 21°15 | 13° 7 | 19°52 | 14°18 | 26° 7 | 27°18 | 17°26 | 28°10 | T 23 |
| W24 | 8 13 16 | 3°26'15 | 21°47 | 10°13 | 9°55 | 27°50 | 11°13 | 21°10 | 13° 6 | 19°54 | 14°19 | 26°D 6 | 27°15 | 17°33 | 28° 8 | W24 |
| T 25 | 8 17 13 | 4°27'22 | 4♓14 | 9° 3 | 11° 8 | 28°38 | 11° 8 | 21° 5 | 13° 6 | 19°56 | 14°20 | 26° 6 | 27°12 | 17°40 | 28° 5 | T 25 |
| F 26 | 8 21 9 | 5°28'29 | 16°28 | 7°47 | 12°21 | 29°25 | 11° 3 | 21° 0 | 13° 6 | 19°58 | 14°20 | 26° 7 | 27° 9 | 17°47 | 28° 2 | F 26 |
| S 27 | 8 25 6 | 6°29'36 | 28°30 | 6°28 | 13°34 | 0♓12 | 10°57 | 20°56 | 13° 5 | 20° 1 | 14°21 | 26° 9 | 27° 6 | 17°53 | 28° 0 | S 27 |
| S 28 | 8 29 2 | 7°30'42 | 10♈24 | 5° 8 | 14°47 | 1° 0 | 10°52 | 20°51 | 13° 4 | 20° 3 | 14°22 | 26°10 | 27° 3 | 18° 0 | 27°57 | S 28 |
| M29 | 8 32 59 | 8°31'47 | 22°15 | 3°50 | 15°59 | 1°47 | 10°46 | 20°46 | 13° 4 | 20° 5 | 14°23 | 26°12 | 26°59 | 18° 7 | 27°55 | M29 |
| T 30 | 8 36 55 | 9°32'52 | 4♉ 6 | 2°36 | 17°12 | 2°35 | 10°40 | 20°42 | 13° 3 | 20° 7 | 14°23 | 26°R12 | 26°56 | 18°13 | 27°52 | T 30 |
| W31 | 8 40 52 | 10♒33'57 | 16♉ 3 | 1♒28 | 18♓25 | 3♓22 | 10♍34 | 20♋37 | 13♎ 2 | 20♑ 9 | 14♏24 | 26♒12 | 26♒53 | 18♈20 | 27♊50 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s56 | 9n10 | 3n47 | 22s46 | 2s13 | 18s57 | 1s50 | 18s51 | 1s11 | 7n46 | 0n56 | 20n52 | 0s30 | 4s26 | 0n44 | 21s 5 | 0n54 | 0s 1 | 16n36 | 12s22 | 11s57 | 9n19 | 16n35 | 6s44 |
| T 2 | 22 51 | 14 14 | 4 25 | 22 26 | 2 10 | 18 36 | 1 50 | 18 38 | 1 11 | 7 46 | 0 56 | 20 53 | 0 30 | 4 26 | 0 44 | 21 5 | 0 53 | 0 1 | 16 37 | 12 22 | 11 58 | 9 23 | 16 35 | 6 44 |
| W 3 | 22 46 | 18 48 | 4 52 | 22 5 | 2 7 | 18 15 | 1 51 | 18 25 | 1 11 | 7 47 | 0 57 | 20 54 | 0 30 | 4 26 | 0 44 | 21 5 | 0 53 | 0 1 | 16 37 | 12 23 | 11 59 | 9 26 | 16 35 | 6 44 |
| T 4 | 22 41 | 22 41 | 5 7 | 21 43 | 2 3 | 17 54 | 1 51 | 18 12 | 1 11 | 7 48 | 0 57 | 20 55 | 0 30 | 4 27 | 0 44 | 21 4 | 0 53 | 0 1 | 16 37 | 12 25 | 12 0 | 9 29 | 16 35 | 6 44 |
| F 5 | 22 34 | 25 38 | 5 7 | 21 20 | 1 59 | 17 32 | 1 51 | 17 58 | 1 11 | 7 49 | 0 57 | 20 56 | 0 30 | 4 27 | 0 44 | 21 4 | 0 53 | 0 1 | 16 38 | 12 28 | 12 1 | 9 32 | 16 35 | 6 44 |
| S 6 | 22 28 | 27 23 | 4 53 | 20 56 | 1 53 | 17 9 | 1 51 | 17 45 | 1 10 | 7 49 | 0 57 | 20 56 | 0 30 | 4 27 | 0 44 | 21 4 | 0 53 | 0 1 | 16 38 | 12 30 | 12 2 | 9 35 | 16 35 | 6 44 |
| S 7 | 22 21 | 27 41 | 4 23 | 20 32 | 1 47 | 16 46 | 1 51 | 17 31 | 1 10 | 7 50 | 0 58 | 20 57 | 0 29 | 4 27 | 0 44 | 21 3 | 0 53 | 0 1 | 16 39 | 12 33 | 12 3 | 9 38 | 16 35 | 6 44 |
| M 8 | 22 13 | 26 26 | 3 39 | 20 6 | 1 39 | 16 23 | 1 50 | 17 17 | 1 10 | 7 51 | 0 58 | 20 58 | 0 29 | 4 28 | 0 44 | 21 3 | 0 53 | 0 1 | 16 39 | 12 35 | 12 4 | 9 41 | 16 35 | 6 44 |
| T 9 | 22 5 | 23 37 | 2 41 | 19 41 | 1 31 | 15 59 | 1 50 | 17 3 | 1 10 | 7 52 | 0 58 | 20 59 | 0 29 | 4 28 | 0 44 | 21 3 | 0 53 | 0 1 | 16 40 | 12 37 | 12 5 | 9 45 | 16 35 | 6 43 |
| W10 | 21 57 | 19 25 | 1 33 | 19 14 | 1 22 | 15 35 | 1 50 | 16 49 | 1 10 | 7 53 | 0 58 | 21 0 | 0 29 | 4 28 | 0 44 | 21 3 | 0 53 | 0 1 | 16 40 | 12 38 | 12 7 | 9 48 | 16 35 | 6 43 |
| T 11 | 21 48 | 14 6 | 0 19 | 18 48 | 1 12 | 15 10 | 1 49 | 16 34 | 1 9 | 7 55 | 0 59 | 21 1 | 0 29 | 4 28 | 0 44 | 21 2 | 0 53 | 0 1 | 16 41 | 12 38 | 12 8 | 9 51 | 16 35 | 6 43 |
| F 12 | 21 39 | 8 1 | 0s57 | 18 22 | 1 1 | 14 45 | 1 49 | 16 20 | 1 9 | 7 56 | 0 59 | 21 2 | 0 29 | 4 28 | 0 44 | 21 2 | 0 53 | 0 0 | 16 41 | 12 38 | 12 9 | 9 54 | 16 35 | 6 43 |
| S 13 | 21 29 | 1 30 | 2 11 | 17 57 | 0 48 | 14 19 | 1 48 | 16 5 | 1 9 | 7 57 | 0 59 | 21 3 | 0 29 | 4 28 | 0 44 | 21 2 | 0 53 | 0 0 | 16 42 | 12 38 | 12 10 | 9 57 | 16 36 | 6 43 |
| S 14 | 21 19 | 5s 6 | 3 16 | 17 32 | 0 35 | 13 53 | 1 47 | 15 50 | 1 9 | 7 59 | 0 59 | 21 4 | 0 29 | 4 28 | 0 45 | 21 1 | 0 53 | 0 0 | 16 42 | 12 37 | 12 11 | 10 0 | 16 36 | 6 43 |
| M15 | 21 9 | 11 26 | 4 10 | 17 9 | 0 20 | 13 27 | 1 47 | 15 35 | 1 8 | 8 0 | 1 0 | 21 4 | 0 29 | 4 28 | 0 45 | 21 1 | 0 53 | 0n 0 | 16 43 | 12 37 | 12 12 | 10 3 | 16 36 | 6 43 |
| T 16 | 20 58 | 17 10 | 4 48 | 16 47 | 0 5 | 13 1 | 1 46 | 15 19 | 1 8 | 8 2 | 1 0 | 21 5 | 0 29 | 4 28 | 0 45 | 21 1 | 0 53 | 0 0 | 16 43 | 12 37 | 12 13 | 10 6 | 16 36 | 6 43 |
| W17 | 20 47 | 21 58 | 5 9 | 16 26 | 0n12 | 12 34 | 1 45 | 15 4 | 1 8 | 8 3 | 1 0 | 21 6 | 0 28 | 4 28 | 0 45 | 21 0 | 0 53 | 0 0 | 16 44 | 12 38 | 12 14 | 10 9 | 16 36 | 6 42 |
| T 18 | 20 35 | 25 28 | 5 11 | 16 8 | 0 30 | 12 7 | 1 44 | 14 48 | 1 7 | 8 5 | 1 0 | 21 7 | 0 28 | 4 28 | 0 45 | 21 0 | 0 53 | 0 1 | 16 44 | 12 39 | 12 15 | 10 13 | 16 36 | 6 42 |
| F 19 | 20 23 | 27 26 | 4 56 | 15 52 | 0 48 | 11 39 | 1 43 | 14 33 | 1 7 | 8 7 | 1 1 | 21 8 | 0 28 | 4 28 | 0 45 | 21 0 | 0 53 | 0 1 | 16 45 | 12 40 | 12 16 | 10 16 | 16 36 | 6 42 |
| S 20 | 20 11 | 27 42 | 4 23 | 15 40 | 1 7 | 11 11 | 1 41 | 14 17 | 1 7 | 8 8 | 1 1 | 21 9 | 0 28 | 4 28 | 0 45 | 20 59 | 0 53 | 0 1 | 16 45 | 12 42 | 12 17 | 10 19 | 16 36 | 6 42 |
| S 21 | 19 58 | 26 17 | 3 36 | 15 30 | 1 26 | 10 43 | 1 40 | 14 0 | 1 7 | 8 10 | 1 1 | 21 10 | 0 28 | 4 28 | 0 45 | 20 59 | 0 53 | 0 1 | 16 46 | 12 43 | 12 18 | 10 22 | 16 37 | 6 42 |
| M22 | 19 45 | 23 25 | 2 38 | 15 23 | 1 45 | 10 15 | 1 39 | 13 44 | 1 6 | 8 12 | 1 1 | 21 11 | 0 28 | 4 28 | 0 45 | 20 59 | 0 53 | 0 2 | 16 47 | 12 44 | 12 20 | 10 25 | 16 37 | 6 41 |
| T 23 | 19 31 | 19 23 | 1 32 | 15 20 | 2 3 | 9 46 | 1 37 | 13 28 | 1 6 | 8 14 | 1 1 | 21 11 | 0 28 | 4 28 | 0 45 | 20 58 | 0 53 | 0 2 | 16 47 | 12 45 | 12 21 | 10 28 | 16 37 | 6 41 |
| W24 | 19 17 | 14 33 | 0 24 | 15 20 | 2 20 | 9 17 | 1 35 | 13 11 | 1 6 | 8 16 | 1 2 | 21 12 | 0 28 | 4 28 | 0 45 | 20 58 | 0 53 | 0 2 | 16 48 | 12 45 | 12 22 | 10 31 | 16 37 | 6 41 |
| T 25 | 19 3 | 9 12 | 0n45 | 15 23 | 2 36 | 8 48 | 1 34 | 12 55 | 1 5 | 8 18 | 1 2 | 21 13 | 0 28 | 4 27 | 0 45 | 20 58 | 0 53 | 0 3 | 16 48 | 12 45 | 12 23 | 10 34 | 16 37 | 6 41 |
| F 26 | 18 48 | 3 37 | 1 50 | 15 29 | 2 51 | 8 19 | 1 32 | 12 38 | 1 5 | 8 21 | 1 2 | 21 14 | 0 27 | 4 27 | 0 45 | 20 57 | 0 53 | 0 3 | 16 49 | 12 45 | 12 24 | 10 37 | 16 38 | 6 40 |
| S 27 | 18 33 | 2n 0 | 2 49 | 15 37 | 3 3 | 7 49 | 1 30 | 12 21 | 1 5 | 8 23 | 1 2 | 21 15 | 0 27 | 4 27 | 0 45 | 20 57 | 0 53 | 0 3 | 16 49 | 12 44 | 12 25 | 10 40 | 16 38 | 6 40 |
| S 28 | 18 18 | 7 29 | 3 41 | 15 46 | 3 12 | 7 19 | 1 28 | 12 4 | 1 4 | 8 25 | 1 3 | 21 16 | 0 27 | 4 27 | 0 45 | 20 57 | 0 53 | 0 4 | 16 50 | 12 44 | 12 26 | 10 43 | 16 38 | 6 40 |
| M29 | 18 2 | 12 41 | 4 23 | 15 58 | 3 19 | 6 49 | 1 26 | 11 47 | 1 4 | 8 28 | 1 3 | 21 16 | 0 27 | 4 26 | 0 45 | 20 57 | 0 53 | 0 4 | 16 50 | 12 43 | 12 27 | 10 46 | 16 38 | 6 40 |
| T 30 | 17 46 | 17 25 | 4 53 | 16 10 | 3 24 | 6 19 | 1 24 | 11 30 | 1 4 | 8 30 | 1 3 | 21 17 | 0 27 | 4 26 | 0 45 | 20 56 | 0 53 | 0 4 | 16 51 | 12 43 | 12 28 | 10 50 | 16 39 | 6 39 |
| W31 | 17s30 | 21n31 | 5n11 | 16s23 | 3n26 | 5s49 | 1s22 | 11s12 | 1s 3 | 8n32 | 1n 3 | 21n18 | 0s27 | 4s26 | 0n45 | 20s56 | 0n53 | 0n 5 | 16n52 | 12s43 | 12s29 | 10n53 | 16n39 | 6s39 |

Julian Day Number = 2808021.5, Delta T = 52m18s
Ecliptic obliquity = 23°18'53, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°24'09, Lahiri = 37°31'10


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# ASTRODIENST EPHEMERIS for the year 2976
# geocentric

## FEBRUARY 2976 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 44 48 | 11♒35'00 | 28♉11 | 0°R27 | 19♓37 | 4♓ 9 | 10°R28 | 20°R33 | 13°R 2 | 20♑11 | 14♏24 | 26°R12 | 26♒50 | 18♈27 | 27°R48 | T 1 |
| F 2 | 8 48 45 | 12°36'04 | 10♊34 | 29♑36 | 20°50 | 4°57 | 10♍22 | 20♋28 | 13♎ 1 | 20°14 | 14°25 | 26♒10 | 26°47 | 18°33 | 27♊45 | F 2 |
| S 3 | 8 52 42 | 13°37'06 | 23°15 | 28°53 | 22° 2 | 5°44 | 10°16 | 20°24 | 13° 0 | 20°16 | 14°25 | 26° 9 | 26°43 | 18°40 | 27°43 | S 3 |
| S 4 | 8 56 38 | 14°38'08 | 6♋19 | 28°20 | 23°15 | 6°32 | 10° 9 | 20°20 | 12°59 | 20°18 | 14°26 | 26° 7 | 26°40 | 18°47 | 27°41 | S 4 |
| M 5 | 9 0 35 | 15°39'09 | 19°44 | 27°56 | 24°27 | 7°19 | 10° 3 | 20°16 | 12°58 | 20°20 | 14°26 | 26° 5 | 26°37 | 18°53 | 27°39 | M 5 |
| T 6 | 9 4 31 | 16°40'09 | 3♌32 | 27°41 | 25°39 | 8° 6 | 9°56 | 20°11 | 12°57 | 20°22 | 14°27 | 26° 4 | 26°34 | 19° 0 | 27°37 | T 6 |
| W 7 | 9 8 28 | 17°41'09 | 17°40 | 27°D35 | 26°51 | 8°54 | 9°49 | 20° 7 | 12°56 | 20°24 | 14°27 | 26° 4 | 26°31 | 19° 7 | 27°35 | W 7 |
| T 8 | 9 12 24 | 18°42'08 | 2♍ 3 | 27°37 | 28° 3 | 9°41 | 9°42 | 20° 3 | 12°55 | 20°26 | 14°27 | 26°D 4 | 26°28 | 19°14 | 27°33 | T 8 |
| F 9 | 9 16 21 | 19°43'06 | 16°36 | 27°47 | 29°15 | 10°29 | 9°35 | 19°59 | 12°54 | 20°28 | 14°27 | 26° 4 | 26°24 | 19°20 | 27°31 | F 9 |
| S 10 | 9 20 18 | 20°44'04 | 1♎12 | 28° 4 | 0♈27 | 11°16 | 9°28 | 19°55 | 12°52 | 20°30 | 14°28 | 26° 5 | 26°21 | 19°27 | 27°30 | S 10 |
| S 11 | 9 24 14 | 21°45'01 | 15°47 | 28°28 | 1°38 | 12° 4 | 9°21 | 19°52 | 12°51 | 20°32 | 14°28 | 26° 5 | 26°18 | 19°34 | 27°28 | S 11 |
| M12 | 9 28 11 | 22°45'57 | 0♏14 | 28°57 | 2°50 | 12°51 | 9°14 | 19°48 | 12°50 | 20°34 | 14°28 | 26° 5 | 26°15 | 19°40 | 27°26 | M12 |
| T 13 | 9 32 7 | 23°46'54 | 14°31 | 29°32 | 4° 1 | 13°38 | 9° 6 | 19°44 | 12°48 | 20°36 | 14°28 | 26° 5 | 26°12 | 19°47 | 27°25 | T 13 |
| W14 | 9 36 4 | 24°47'49 | 28°34 | 0♒12 | 5°13 | 14°26 | 8°59 | 19°41 | 12°47 | 20°38 | 14°28 | 26°R 6 | 26° 8 | 19°54 | 27°23 | W14 |
| T 15 | 9 40 0 | 25°48'44 | 12♐22 | 0°57 | 6°24 | 15°13 | 8°51 | 19°37 | 12°46 | 20°40 | 14°28 | 26°D 5 | 26° 5 | 20° 0 | 27°22 | T 15 |
| F 16 | 9 43 57 | 26°49'39 | 25°56 | 1°45 | 7°35 | 16° 1 | 8°44 | 19°34 | 12°44 | 20°42 | 14°R28 | 26° 6 | 26° 2 | 20° 7 | 27°21 | F 16 |
| S 17 | 9 47 53 | 27°50'33 | 9♑14 | 2°37 | 8°46 | 16°48 | 8°36 | 19°30 | 12°42 | 20°44 | 14°28 | 26° 6 | 25°59 | 20°14 | 27°20 | S 17 |
| S 18 | 9 51 50 | 28°51'26 | 22°19 | 3°33 | 9°57 | 17°36 | 8°28 | 19°27 | 12°41 | 20°46 | 14°28 | 26° 6 | 25°56 | 20°21 | 27°18 | S 18 |
| M19 | 9 55 47 | 29°52'18 | 5♒10 | 4°31 | 11° 8 | 18°23 | 8°20 | 19°24 | 12°39 | 20°48 | 14°28 | 26° 6 | 25°53 | 20°27 | 27°17 | M19 |
| T 20 | 9 59 43 | 0♓53'10 | 17°49 | 5°33 | 12°19 | 19°11 | 8°13 | 19°21 | 12°37 | 20°50 | 14°28 | 26° 6 | 25°49 | 20°34 | 27°16 | T 20 |
| W21 | 10 3 40 | 1°54'00 | 0♓15 | 6°37 | 13°29 | 19°58 | 8° 5 | 19°18 | 12°36 | 20°51 | 14°28 | 26°R 7 | 25°46 | 20°41 | 27°15 | W21 |
| T 22 | 10 7 36 | 2°54'49 | 12°31 | 7°43 | 14°40 | 20°45 | 7°57 | 19°15 | 12°34 | 20°53 | 14°28 | 26° 6 | 25°43 | 20°47 | 27°15 | T 22 |
| F 23 | 10 11 33 | 3°55'37 | 24°37 | 8°51 | 15°50 | 21°33 | 7°49 | 19°12 | 12°32 | 20°55 | 14°27 | 26° 6 | 25°40 | 20°54 | 27°14 | F 23 |
| S 24 | 10 15 29 | 4°56'23 | 6♈35 | 10° 2 | 17° 0 | 22°20 | 7°41 | 19°10 | 12°30 | 20°57 | 14°27 | 26° 4 | 25°37 | 21° 1 | 27°13 | S 24 |
| S 25 | 10 19 26 | 5°57'09 | 18°28 | 11°14 | 18°11 | 23° 8 | 7°33 | 19° 7 | 12°28 | 20°59 | 14°27 | 26° 3 | 25°34 | 21° 7 | 27°12 | S 25 |
| M26 | 10 23 22 | 6°57'53 | 0♉19 | 12°28 | 19°21 | 23°55 | 7°25 | 19° 4 | 12°26 | 21° 0 | 14°26 | 26° 1 | 25°30 | 21°14 | 27°12 | M26 |
| T 27 | 10 27 19 | 7°58'35 | 12°10 | 13°44 | 20°30 | 24°42 | 7°17 | 19° 2 | 12°24 | 21° 2 | 14°26 | 26° 0 | 25°27 | 21°21 | 27°11 | T 27 |
| W28 | 10 31 15 | 8°59'16 | 24° 6 | 15° 1 | 21°40 | 25°30 | 7° 9 | 19° 0 | 12°22 | 21° 4 | 14°26 | 25°59 | 25°24 | 21°27 | 27°11 | W28 |
| T 29 | 10 35 12 | 9♓59'55 | 6♊11 | 16♒20 | 22♈50 | 26♓17 | 7♍ 1 | 18♋58 | 12♎20 | 21♑ 5 | 14♏25 | 25°D58 | 25♒21 | 21♈34 | 27♊11 | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s13 | 24n47 | 5n16 | 16s36 | 3n25 | 5s18 | 1s19 | 10s55 | 1s 3 | 8n35 | 1n 3 | 21n19 | 0s27 | 4s25 | 0n45 | 20s56 | 0n53 | 0n 5 | 16n52 | 12s43 | 12s30 | 10n56 | 16n39 | 6s39 |
| F 2 | 16 56 | 26 58 | 5 6 | 16 49 | 3 23 | 4 48 | 1 17 | 10 37 | 1 3 | 8 37 | 1 4 | 21 20 | 0 27 | 4 25 | 0 45 | 20 55 | 0 53 | 0 5 | 16 53 | 12 44 | 12 31 | 10 59 | 16 39 | 6 39 |
| S 3 | 16 39 | 27 50 | 4 42 | 17 2 | 3 19 | 4 17 | 1 15 | 10 19 | 1 2 | 8 40 | 1 4 | 21 20 | 0 26 | 4 25 | 0 45 | 20 55 | 0 53 | 0 6 | 16 53 | 12 44 | 12 33 | 11 2 | 16 40 | 6 38 |
| S 4 | 16 21 | 27 12 | 4 2 | 17 15 | 3 13 | 3 46 | 1 12 | 10 2 | 1 2 | 8 43 | 1 4 | 21 21 | 0 26 | 4 24 | 0 45 | 20 55 | 0 53 | 0 6 | 16 54 | 12 45 | 12 34 | 11 5 | 16 40 | 6 38 |
| M 5 | 16 4 | 24 58 | 3 8 | 17 26 | 3 5 | 3 16 | 1 9 | 9 44 | 1 1 | 8 45 | 1 4 | 21 22 | 0 26 | 4 24 | 0 45 | 20 54 | 0 53 | 0 7 | 16 54 | 12 45 | 12 35 | 11 8 | 16 40 | 6 38 |
| T 6 | 15 46 | 21 14 | 2 2 | 17 37 | 2 57 | 2 45 | 1 7 | 9 26 | 1 1 | 8 48 | 1 4 | 21 23 | 0 26 | 4 24 | 0 45 | 20 54 | 0 53 | 0 7 | 16 55 | 12 46 | 12 36 | 11 11 | 16 40 | 6 37 |
| W 7 | 15 27 | 16 12 | 0 46 | 17 48 | 2 48 | 2 14 | 1 4 | 9 8 | 1 1 | 8 51 | 1 4 | 21 23 | 0 26 | 4 23 | 0 45 | 20 54 | 0 53 | 0 8 | 16 55 | 12 46 | 12 37 | 11 14 | 16 41 | 6 37 |
| T 8 | 15 9 | 10 11 | 0s33 | 17 57 | 2 38 | 1 42 | 1 1 | 8 50 | 1 0 | 8 53 | 1 5 | 21 24 | 0 26 | 4 23 | 0 45 | 20 53 | 0 53 | 0 8 | 16 56 | 12 46 | 12 38 | 11 17 | 16 41 | 6 37 |
| F 9 | 14 50 | 3 33 | 1 52 | 18 5 | 2 28 | 1 11 | 0 58 | 8 31 | 1 0 | 8 56 | 1 5 | 21 25 | 0 26 | 4 22 | 0 45 | 20 53 | 0 53 | 0 8 | 16 57 | 12 46 | 12 39 | 11 20 | 16 41 | 6 36 |
| S 10 | 14 30 | 3s17 | 3 3 | 18 12 | 2 17 | 0 40 | 0 55 | 8 13 | 0 59 | 8 59 | 1 5 | 21 25 | 0 26 | 4 22 | 0 45 | 20 53 | 0 53 | 0 9 | 16 57 | 12 46 | 12 40 | 11 23 | 16 42 | 6 36 |
| S 11 | 14 11 | 9 54 | 4 2 | 18 18 | 2 6 | 0 9 | 0 52 | 7 55 | 0 59 | 9 2 | 1 5 | 21 26 | 0 25 | 4 21 | 0 46 | 20 52 | 0 53 | 0 9 | 16 58 | 12 46 | 12 41 | 11 26 | 16 42 | 6 36 |
| M12 | 13 51 | 15 57 | 4 46 | 18 23 | 1 55 | 0n22 | 0 49 | 7 36 | 0 59 | 9 5 | 1 5 | 21 27 | 0 25 | 4 21 | 0 46 | 20 52 | 0 53 | 0 10 | 16 58 | 12 45 | 12 42 | 11 29 | 16 42 | 6 35 |
| T 13 | 13 31 | 21 3 | 5 11 | 18 27 | 1 44 | 0 54 | 0 46 | 7 18 | 0 58 | 9 8 | 1 5 | 21 27 | 0 25 | 4 20 | 0 46 | 20 52 | 0 53 | 0 10 | 16 59 | 12 45 | 12 43 | 11 32 | 16 43 | 6 35 |
| W14 | 13 11 | 24 53 | 5 17 | 18 30 | 1 32 | 1 25 | 0 42 | 6 59 | 0 58 | 9 11 | 1 6 | 21 28 | 0 25 | 4 19 | 0 46 | 20 52 | 0 53 | 0 11 | 16 59 | 12 45 | 12 44 | 11 35 | 16 43 | 6 35 |
| T 15 | 12 51 | 27 12 | 5 5 | 18 31 | 1 21 | 1 56 | 0 39 | 6 40 | 0 57 | 9 14 | 1 6 | 21 29 | 0 25 | 4 19 | 0 46 | 20 51 | 0 53 | 0 11 | 17 0 | 12 45 | 12 45 | 11 38 | 16 43 | 6 34 |
| F 16 | 12 30 | 27 51 | 4 35 | 18 31 | 1 11 | 2 27 | 0 35 | 6 22 | 0 57 | 9 17 | 1 6 | 21 29 | 0 25 | 4 18 | 0 46 | 20 51 | 0 53 | 0 12 | 17 0 | 12 45 | 12 46 | 11 41 | 16 44 | 6 34 |
| S 17 | 12 10 | 26 51 | 3 52 | 18 30 | 1 0 | 2 58 | 0 32 | 6 3 | 0 56 | 9 20 | 1 6 | 21 30 | 0 25 | 4 18 | 0 46 | 20 51 | 0 53 | 0 12 | 17 1 | 12 45 | 12 48 | 11 44 | 16 44 | 6 33 |
| S 18 | 11 49 | 24 23 | 2 57 | 18 28 | 0 49 | 3 29 | 0 28 | 5 44 | 0 56 | 9 23 | 1 6 | 21 31 | 0 24 | 4 17 | 0 46 | 20 50 | 0 53 | 0 13 | 17 2 | 12 45 | 12 49 | 11 47 | 16 44 | 6 33 |
| M19 | 11 28 | 20 43 | 1 54 | 18 24 | 0 39 | 4 0 | 0 25 | 5 25 | 0 55 | 9 26 | 1 6 | 21 31 | 0 24 | 4 16 | 0 46 | 20 50 | 0 53 | 0 14 | 17 2 | 12 45 | 12 50 | 11 50 | 16 45 | 6 33 |
| T 20 | 11 6 | 16 9 | 0 46 | 18 20 | 0 29 | 4 31 | 0 21 | 5 6 | 0 55 | 9 29 | 1 6 | 21 32 | 0 24 | 4 16 | 0 46 | 20 50 | 0 53 | 0 14 | 17 3 | 12 45 | 12 51 | 11 53 | 16 45 | 6 32 |
| W21 | 10 45 | 10 58 | 0n23 | 18 13 | 0 19 | 5 2 | 0 17 | 4 47 | 0 54 | 9 32 | 1 7 | 21 32 | 0 24 | 4 15 | 0 46 | 20 50 | 0 53 | 0 15 | 17 3 | 12 45 | 12 52 | 11 56 | 16 45 | 6 32 |
| T 22 | 10 23 | 5 27 | 1 30 | 18 6 | 0 9 | 5 33 | 0 13 | 4 28 | 0 54 | 9 35 | 1 7 | 21 33 | 0 24 | 4 14 | 0 46 | 20 49 | 0 53 | 0 15 | 17 4 | 12 45 | 12 53 | 11 59 | 16 46 | 6 32 |
| F 23 | 10 1 | 0n12 | 2 32 | 17 58 | 0s 1 | 6 4 | 0 9 | 4 9 | 0 53 | 9 38 | 1 7 | 21 33 | 0 24 | 4 13 | 0 46 | 20 49 | 0 54 | 0 16 | 17 4 | 12 45 | 12 54 | 12 2 | 16 46 | 6 31 |
| S 24 | 9 39 | 5 46 | 3 26 | 17 48 | 0 10 | 6 34 | 0 5 | 3 50 | 0 53 | 9 41 | 1 7 | 21 34 | 0 24 | 4 13 | 0 46 | 20 49 | 0 54 | 0 16 | 17 5 | 12 46 | 12 55 | 12 5 | 16 46 | 6 31 |
| S 25 | 9 17 | 11 5 | 4 11 | 17 37 | 0 19 | 7 4 | 0 1 | 3 31 | 0 52 | 9 44 | 1 7 | 21 34 | 0 24 | 4 12 | 0 46 | 20 48 | 0 54 | 0 17 | 17 5 | 12 46 | 12 56 | 12 8 | 16 47 | 6 30 |
| M26 | 8 55 | 15 58 | 4 45 | 17 25 | 0 27 | 7 35 | 0n 3 | 3 12 | 0 52 | 9 47 | 1 7 | 21 35 | 0 23 | 4 11 | 0 46 | 20 48 | 0 54 | 0 18 | 17 6 | 12 47 | 12 57 | 12 11 | 16 47 | 6 30 |
| T 27 | 8 32 | 20 17 | 5 7 | 17 11 | 0 35 | 8 5 | 0 7 | 2 53 | 0 51 | 9 50 | 1 7 | 21 35 | 0 23 | 4 10 | 0 46 | 20 48 | 0 54 | 0 18 | 17 6 | 12 47 | 12 58 | 12 14 | 16 48 | 6 30 |
| W28 | 8 10 | 23 48 | 5 16 | 16 56 | 0 43 | 8 35 | 0 11 | 2 34 | 0 51 | 9 53 | 1 7 | 21 36 | 0 23 | 4 10 | 0 46 | 20 48 | 0 54 | 0 19 | 17 7 | 12 48 | 12 59 | 12 17 | 16 48 | 6 29 |
| T 29 | 7s47 | 26n20 | 5n11 | 16s40 | 0s51 | 9n 4 | 0n16 | 2s14 | 0s50 | 9n56 | 1n 7 | 21n36 | 0s23 | 4s 9 | 0n46 | 20s47 | 0n54 | 0n20 | 17n 8 | 12s48 | 13s 0 | 12n20 | 16n48 | 6s29 |

Julian Day Number = 2808052.5, Delta T = 52m18s
Ecliptic obliquity = 23°18'54, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°24'14, Lahiri = 37°31'14


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# ASTRODIENST EPHEMERIS for the year 2976
# geocentric

## MARCH 2976 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 39 9 | 11♓ 0'33 | 18♊29 | 17♒40 | 23♈59 | 27♓ 4 | 6°R53 | 18°R55 | 12°R18 | 21♑ 7 | 14°R25 | 25♒58 | 25♒18 | 21♈41 | 27°R10 | F 1 |
| S 2 | 10 43 5 | 12° 1'10 | 1♋ 6 | 19° 1 | 25° 8 | 27°52 | 6♍45 | 18♋53 | 12♎16 | 21° 9 | 14♏24 | 25°59 | 25°14 | 21°48 | 27♊10 | S 2 |
| S 3 | 10 47 2 | 13° 1'44 | 14° 5 | 20°24 | 26°17 | 28°39 | 6°37 | 18°52 | 12°14 | 21°10 | 14°24 | 26° 0 | 25°11 | 21°54 | 27°10 | S 3 |
| M 4 | 10 50 58 | 14° 2'17 | 27°29 | 21°47 | 27°26 | 29°26 | 6°30 | 18°50 | 12°12 | 21°12 | 14°23 | 26° 2 | 25° 8 | 22° 1 | 27°D10 | M 4 |
| T 5 | 10 54 55 | 15° 2'48 | 11♌19 | 23°12 | 28°35 | 0♈14 | 6°22 | 18°48 | 12°10 | 21°13 | 14°23 | 26° 3 | 25° 5 | 22° 8 | 27°10 | T 5 |
| W 6 | 10 58 51 | 16° 3'18 | 25°36 | 24°38 | 29°43 | 1° 1 | 6°14 | 18°47 | 12° 7 | 21°15 | 14°22 | 26°R 3 | 25° 2 | 22°14 | 27°10 | W 6 |
| T 7 | 11 2 48 | 17° 3'46 | 10♍15 | 26° 5 | 0♉52 | 1°48 | 6° 6 | 18°45 | 12° 5 | 21°16 | 14°21 | 26° 3 | 24°59 | 22°21 | 27°10 | T 7 |
| F 8 | 11 6 44 | 18° 4'12 | 25°10 | 27°34 | 2° 0 | 2°35 | 5°59 | 18°44 | 12° 3 | 21°18 | 14°21 | 26° 1 | 24°55 | 22°28 | 27°11 | F 8 |
| S 9 | 11 10 41 | 19° 4'37 | 10♎13 | 29° 3 | 3° 8 | 3°22 | 5°51 | 18°42 | 12° 0 | 21°19 | 14°20 | 25°59 | 24°52 | 22°34 | 27°11 | S 9 |
| S 10 | 11 14 38 | 20° 5'00 | 25°15 | 0♓33 | 4°16 | 4°10 | 5°44 | 18°41 | 11°58 | 21°20 | 14°19 | 25°55 | 24°49 | 22°41 | 27°12 | S 10 |
| M11 | 11 18 34 | 21° 5'22 | 10♏ 7 | 2° 4 | 5°23 | 4°57 | 5°36 | 18°40 | 11°56 | 21°22 | 14°18 | 25°52 | 24°46 | 22°48 | 27°12 | M11 |
| T 12 | 11 22 31 | 22° 5'43 | 24°43 | 3°37 | 6°30 | 5°44 | 5°29 | 18°39 | 11°53 | 21°23 | 14°17 | 25°49 | 24°43 | 22°55 | 27°13 | T 12 |
| W13 | 11 26 27 | 23° 6'02 | 8♐57 | 5°10 | 7°38 | 6°31 | 5°21 | 18°39 | 11°51 | 21°25 | 14°16 | 25°47 | 24°40 | 23° 1 | 27°13 | W13 |
| T 14 | 11 30 24 | 24° 6'21 | 22°47 | 6°45 | 8°45 | 7°18 | 5°14 | 18°38 | 11°49 | 21°26 | 14°16 | 25°D46 | 24°36 | 23° 8 | 27°14 | T 14 |
| F 15 | 11 34 20 | 25° 6'37 | 6♑15 | 8°20 | 9°51 | 8° 5 | 5° 7 | 18°37 | 11°46 | 21°27 | 14°15 | 25°47 | 24°33 | 23°15 | 27°15 | F 15 |
| S 16 | 11 38 17 | 26° 6'53 | 19°21 | 9°57 | 10°58 | 8°52 | 5° 0 | 18°37 | 11°44 | 21°28 | 14°14 | 25°48 | 24°30 | 23°21 | 27°16 | S 16 |
| S 17 | 11 42 13 | 27° 7'07 | 2♒10 | 11°34 | 12° 4 | 9°39 | 4°53 | 18°37 | 11°41 | 21°29 | 14°13 | 25°50 | 24°27 | 23°28 | 27°17 | S 17 |
| M18 | 11 46 10 | 28° 7'19 | 14°42 | 13°13 | 13°10 | 10°26 | 4°46 | 18°36 | 11°39 | 21°31 | 14°12 | 25°51 | 24°24 | 23°35 | 27°18 | M18 |
| T 19 | 11 50 7 | 29° 7'30 | 27° 3 | 14°52 | 14°16 | 11°13 | 4°40 | 18°36 | 11°36 | 21°32 | 14°11 | 25°R52 | 24°20 | 23°42 | 27°19 | T 19 |
| W20 | 11 54 3 | 0♈ 7'39 | 9♓14 | 16°33 | 15°21 | 12° 0 | 4°33 | 18°D36 | 11°34 | 21°33 | 14°10 | 25°51 | 24°17 | 23°48 | 27°20 | W20 |
| T 21 | 11 58 0 | 1° 7'46 | 21°17 | 18°15 | 16°27 | 12°47 | 4°27 | 18°36 | 11°31 | 21°34 | 14° 9 | 25°48 | 24°14 | 23°55 | 27°21 | T 21 |
| F 22 | 12 1 56 | 2° 7'52 | 3♈15 | 19°58 | 17°32 | 13°33 | 4°20 | 18°36 | 11°28 | 21°35 | 14° 7 | 25°43 | 24°11 | 24° 2 | 27°23 | F 22 |
| S 23 | 12 5 53 | 3° 7'56 | 15° 8 | 21°42 | 18°37 | 14°20 | 4°14 | 18°37 | 11°26 | 21°36 | 14° 6 | 25°37 | 24° 8 | 24° 8 | 27°24 | S 23 |
| S 24 | 12 9 49 | 4° 7'58 | 26°59 | 23°27 | 19°41 | 15° 7 | 4° 8 | 18°37 | 11°23 | 21°37 | 14° 5 | 25°30 | 24° 5 | 24°15 | 27°26 | S 24 |
| M25 | 12 13 46 | 5° 7'58 | 8♉50 | 25°13 | 20°45 | 15°54 | 4° 2 | 18°38 | 11°21 | 21°38 | 14° 4 | 25°22 | 24° 1 | 24°22 | 27°27 | M25 |
| T 26 | 12 17 42 | 6° 7'56 | 20°43 | 27° 0 | 21°49 | 16°41 | 3°56 | 18°38 | 11°18 | 21°39 | 14° 3 | 25°15 | 23°58 | 24°28 | 27°29 | T 26 |
| W27 | 12 21 39 | 7° 7'52 | 2♊40 | 28°49 | 22°53 | 17°27 | 3°51 | 18°39 | 11°15 | 21°40 | 14° 1 | 25° 8 | 23°55 | 24°35 | 27°31 | W27 |
| T 28 | 12 25 36 | 8° 7'46 | 14°44 | 0♈38 | 23°56 | 18°14 | 3°45 | 18°40 | 11°13 | 21°41 | 14° 0 | 25° 4 | 23°52 | 24°42 | 27°32 | T 28 |
| F 29 | 12 29 32 | 9° 7'38 | 27° 0 | 2°29 | 24°59 | 19° 1 | 3°40 | 18°41 | 11°10 | 21°41 | 13°59 | 25° 1 | 23°49 | 24°49 | 27°34 | F 29 |
| S 30 | 12 33 29 | 10° 7'28 | 9♋32 | 4°21 | 26° 2 | 19°47 | 3°35 | 18°42 | 11° 8 | 21°42 | 13°58 | 25°D 0 | 23°46 | 24°55 | 27°36 | S 30 |
| S 31 | 12 37 25 | 11♈ 7'15 | 22♋23 | 6♈14 | 27♉ 4 | 20♈34 | 3♍29 | 18♋43 | 11♎ 5 | 21♑43 | 13♏56 | 25♒ 1 | 23♒42 | 25♈ 2 | 27♊38 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7s24 | 27n40 | 4n52 | 16s23 | 0s58 | 9n34 | 0n20 | 1s55 | 0s50 | 9n59 | 1n 7 | 21n37 | 0s23 | 4s 8 | 0n46 | 20s47 | 0n54 | 0n20 | 17n 8 | 12s48 | 13s 1 | 12n23 | 16n49 | 6s28 |
| S 2 | 7 1 | 27 38 | 4 19 | 16 5 | 1 5 | 10 3 | 0 24 | 1 36 | 0 49 | 10 2 | 1 7 | 21 37 | 0 23 | 4 7 | 0 46 | 20 47 | 0 54 | 0 21 | 17 9 | 12 47 | 13 2 | 12 26 | 16 49 | 6 28 |
| S 3 | 6 38 | 26 5 | 3 32 | 15 45 | 1 12 | 10 32 | 0 29 | 1 17 | 0 49 | 10 5 | 1 7 | 21 37 | 0 23 | 4 6 | 0 46 | 20 47 | 0 54 | 0 21 | 17 9 | 12 47 | 13 4 | 12 29 | 16 50 | 6 28 |
| M 4 | 6 15 | 23 2 | 2 31 | 15 25 | 1 19 | 11 1 | 0 33 | 0 58 | 0 48 | 10 8 | 1 8 | 21 38 | 0 22 | 4 5 | 0 46 | 20 46 | 0 54 | 0 22 | 17 10 | 12 47 | 13 5 | 12 32 | 16 50 | 6 27 |
| T 5 | 5 52 | 18 35 | 1 20 | 15 3 | 1 25 | 11 30 | 0 38 | 0 38 | 0 48 | 10 11 | 1 8 | 21 38 | 0 22 | 4 4 | 0 46 | 20 46 | 0 54 | 0 23 | 17 10 | 12 46 | 13 6 | 12 35 | 16 50 | 6 27 |
| W 6 | 5 28 | 12 58 | 0 3 | 14 40 | 1 30 | 11 58 | 0 42 | 0 19 | 0 47 | 10 14 | 1 8 | 21 38 | 0 22 | 4 4 | 0 46 | 20 46 | 0 54 | 0 23 | 17 11 | 12 46 | 13 7 | 12 38 | 16 51 | 6 26 |
| T 7 | 5 5 | 6 30 | 1s17 | 14 16 | 1 36 | 12 27 | 0 47 | 0 0 | 0 47 | 10 16 | 1 8 | 21 39 | 0 22 | 4 3 | 0 46 | 20 46 | 0 54 | 0 24 | 17 11 | 12 46 | 13 8 | 12 41 | 16 51 | 6 26 |
| F 8 | 4 42 | 0s26 | 2 34 | 13 50 | 1 41 | 12 54 | 0 51 | 0n19 | 0 46 | 10 19 | 1 8 | 21 39 | 0 22 | 4 2 | 0 46 | 20 45 | 0 54 | 0 25 | 17 12 | 12 47 | 13 9 | 12 44 | 16 52 | 6 25 |
| S 9 | 4 18 | 7 24 | 3 40 | 13 24 | 1 46 | 13 22 | 0 56 | 0 38 | 0 46 | 10 22 | 1 8 | 21 39 | 0 22 | 4 1 | 0 46 | 20 45 | 0 54 | 0 25 | 17 12 | 12 48 | 13 10 | 12 47 | 16 52 | 6 25 |
| S 10 | 3 55 | 13 55 | 4 30 | 12 56 | 1 50 | 13 49 | 1 1 | 0 57 | 0 45 | 10 25 | 1 8 | 21 40 | 0 22 | 4 0 | 0 46 | 20 45 | 0 54 | 0 26 | 17 13 | 12 49 | 13 11 | 12 50 | 16 53 | 6 25 |
| M11 | 3 31 | 19 33 | 5 2 | 12 27 | 1 54 | 14 16 | 1 5 | 1 16 | 0 44 | 10 28 | 1 8 | 21 40 | 0 21 | 3 59 | 0 46 | 20 45 | 0 54 | 0 27 | 17 13 | 12 50 | 13 12 | 12 53 | 16 53 | 6 24 |
| T 12 | 3 7 | 23 55 | 5 14 | 11 58 | 1 58 | 14 43 | 1 10 | 1 36 | 0 44 | 10 30 | 1 8 | 21 40 | 0 21 | 3 58 | 0 46 | 20 44 | 0 54 | 0 27 | 17 13 | 12 51 | 13 13 | 12 56 | 16 53 | 6 24 |
| W13 | 2 44 | 26 43 | 5 6 | 11 27 | 2 1 | 15 10 | 1 15 | 1 55 | 0 43 | 10 33 | 1 8 | 21 41 | 0 21 | 3 57 | 0 46 | 20 44 | 0 54 | 0 28 | 17 14 | 12 52 | 13 14 | 12 59 | 16 54 | 6 23 |
| T 14 | 2 20 | 27 47 | 4 40 | 10 55 | 2 4 | 15 36 | 1 19 | 2 14 | 0 43 | 10 36 | 1 8 | 21 41 | 0 21 | 3 56 | 0 46 | 20 44 | 0 54 | 0 29 | 17 14 | 12 52 | 13 15 | 13 1 | 16 54 | 6 23 |
| F 15 | 1 56 | 27 9 | 3 59 | 10 21 | 2 6 | 16 1 | 1 24 | 2 33 | 0 42 | 10 38 | 1 8 | 21 41 | 0 21 | 3 55 | 0 46 | 20 44 | 0 54 | 0 29 | 17 15 | 12 52 | 13 16 | 13 4 | 16 55 | 6 23 |
| S 16 | 1 32 | 25 0 | 3 7 | 9 47 | 2 9 | 16 27 | 1 29 | 2 52 | 0 42 | 10 41 | 1 8 | 21 41 | 0 21 | 3 54 | 0 46 | 20 44 | 0 54 | 0 30 | 17 15 | 12 51 | 13 17 | 13 7 | 16 55 | 6 22 |
| S 17 | 1 8 | 21 38 | 2 6 | 9 12 | 2 10 | 16 52 | 1 34 | 3 10 | 0 41 | 10 43 | 1 8 | 21 41 | 0 21 | 3 53 | 0 46 | 20 43 | 0 54 | 0 31 | 17 16 | 12 51 | 13 18 | 13 10 | 16 56 | 6 22 |
| M18 | 0 45 | 17 18 | 1 1 | 8 35 | 2 12 | 17 17 | 1 39 | 3 29 | 0 40 | 10 46 | 1 8 | 21 42 | 0 21 | 3 52 | 0 46 | 20 43 | 0 54 | 0 31 | 17 16 | 12 50 | 13 19 | 13 13 | 16 56 | 6 21 |
| T 19 | 0 21 | 12 20 | 0n 6 | 7 58 | 2 13 | 17 41 | 1 43 | 3 48 | 0 40 | 10 48 | 1 8 | 21 42 | 0 20 | 3 51 | 0 46 | 20 43 | 0 54 | 0 32 | 17 17 | 12 50 | 13 20 | 13 16 | 16 56 | 6 21 |
| W20 | 0n 3 | 6 57 | 1 12 | 7 20 | 2 13 | 18 5 | 1 48 | 4 7 | 0 39 | 10 51 | 1 8 | 21 42 | 0 20 | 3 50 | 0 46 | 20 43 | 0 54 | 0 33 | 17 17 | 12 50 | 13 21 | 13 19 | 16 57 | 6 20 |
| T 21 | 0 27 | 1 23 | 2 14 | 6 40 | 2 13 | 18 28 | 1 53 | 4 26 | 0 39 | 10 53 | 1 8 | 21 42 | 0 20 | 3 49 | 0 46 | 20 43 | 0 54 | 0 33 | 17 17 | 12 51 | 13 22 | 13 22 | 16 57 | 6 20 |
| F 22 | 0 51 | 4n11 | 3 9 | 6 0 | 2 13 | 18 52 | 1 58 | 4 44 | 0 38 | 10 55 | 1 8 | 21 42 | 0 20 | 3 48 | 0 46 | 20 42 | 0 54 | 0 34 | 17 18 | 12 53 | 13 24 | 13 25 | 16 58 | 6 20 |
| S 23 | 1 14 | 9 34 | 3 56 | 5 18 | 2 12 | 19 14 | 2 3 | 5 3 | 0 37 | 10 58 | 1 8 | 21 42 | 0 20 | 3 47 | 0 46 | 20 42 | 0 54 | 0 35 | 17 18 | 12 55 | 13 25 | 13 28 | 16 58 | 6 19 |
| S 24 | 1 38 | 14 35 | 4 32 | 4 36 | 2 11 | 19 37 | 2 7 | 5 22 | 0 37 | 11 0 | 1 8 | 21 42 | 0 20 | 3 46 | 0 46 | 20 42 | 0 54 | 0 35 | 17 18 | 12 57 | 13 26 | 13 31 | 16 59 | 6 19 |
| M25 | 2 2 | 19 3 | 4 56 | 3 52 | 2 9 | 19 58 | 2 12 | 5 40 | 0 36 | 11 2 | 1 8 | 21 42 | 0 20 | 3 45 | 0 46 | 20 42 | 0 54 | 0 36 | 17 19 | 13 0 | 13 27 | 13 33 | 16 59 | 6 18 |
| T 26 | 2 25 | 22 47 | 5 8 | 3 8 | 2 7 | 20 20 | 2 17 | 5 58 | 0 36 | 11 4 | 1 8 | 21 42 | 0 19 | 3 44 | 0 46 | 20 42 | 0 54 | 0 37 | 17 19 | 13 2 | 13 28 | 13 36 | 17 0 | 6 18 |
| W27 | 2 49 | 25 35 | 5 6 | 2 22 | 2 4 | 20 41 | 2 22 | 6 17 | 0 35 | 11 6 | 1 8 | 21 42 | 0 19 | 3 43 | 0 46 | 20 42 | 0 54 | 0 38 | 17 20 | 13 4 | 13 29 | 13 39 | 17 0 | 6 18 |
| T 28 | 3 13 | 27 16 | 4 51 | 1 36 | 2 1 | 21 1 | 2 26 | 6 35 | 0 34 | 11 8 | 1 8 | 21 42 | 0 19 | 3 42 | 0 46 | 20 41 | 0 54 | 0 38 | 17 20 | 13 6 | 13 30 | 13 42 | 17 0 | 6 17 |
| F 29 | 3 36 | 27 39 | 4 23 | 0 49 | 1 57 | 21 22 | 2 31 | 6 53 | 0 34 | 11 10 | 1 7 | 21 42 | 0 19 | 3 41 | 0 46 | 20 41 | 0 54 | 0 39 | 17 20 | 13 7 | 13 31 | 13 45 | 17 1 | 6 17 |
| S 30 | 3 59 | 26 39 | 3 41 | 0 1 | 1 53 | 21 41 | 2 36 | 7 11 | 0 33 | 11 12 | 1 7 | 21 42 | 0 19 | 3 40 | 0 46 | 20 41 | 0 54 | 0 40 | 17 21 | 13 7 | 13 32 | 13 48 | 17 1 | 6 16 |
| S 31 | 4n23 | 24n13 | 2n47 | 0n48 | 1s49 | 22n 0 | 2n41 | 7n29 | 0s33 | 11n13 | 1n 7 | 21n42 | 0s19 | 3s39 | 0n46 | 20s41 | 0n54 | 0n40 | 17n21 | 13s 7 | 13s33 | 13n51 | 17n 2 | 6s16 |

Julian Day Number = 2808081.5, Delta T = 52m19s
Ecliptic obliquity = 23°18'54, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°24'18, Lahiri = 37°31'18


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# ASTRODIENST EPHEMERIS for the year 2976
# geocentric

## APRIL 2976 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 41 22 | 12♈ 7'01 | 5♌39 | 8♈ 9 | 28♉ 6 | 21♈20 | 3°R25 | 18♋45 | 11°R 2 | 21♑44 | 13°R55 | 25♒ 2 | 23♒39 | 25♈ 9 | 27♊40 | M 1 |
| T 2 | 12 45 18 | 13° 6'44 | 19°21 | 10° 4 | 29° 7 | 22° 7 | 3♍20 | 18°46 | 11♎ 0 | 21°44 | 13♏54 | 25°R 3 | 23°36 | 25°15 | 27°42 | T 2 |
| W 3 | 12 49 15 | 14° 6'24 | 3♍33 | 12° 1 | 0♊ 9 | 22°53 | 3°15 | 18°48 | 10°57 | 21°45 | 13°52 | 25° 3 | 23°33 | 25°22 | 27°45 | W 3 |
| T 4 | 12 53 11 | 15° 6'03 | 18°11 | 13°58 | 1° 9 | 23°40 | 3°11 | 18°49 | 10°55 | 21°46 | 13°51 | 25° 1 | 23°30 | 25°29 | 27°47 | T 4 |
| F 5 | 12 57 8 | 16° 5'40 | 3♎11 | 15°57 | 2°10 | 24°26 | 3° 7 | 18°51 | 10°52 | 21°46 | 13°49 | 24°56 | 23°26 | 25°35 | 27°49 | F 5 |
| S 6 | 13 1 5 | 17° 5'14 | 18°27 | 17°56 | 3°10 | 25°12 | 3° 3 | 18°53 | 10°49 | 21°47 | 13°48 | 24°50 | 23°23 | 25°42 | 27°52 | S 6 |
| S 7 | 13 5 1 | 18° 4'47 | 3♏46 | 19°56 | 4° 9 | 25°59 | 2°59 | 18°55 | 10°47 | 21°47 | 13°46 | 24°42 | 23°20 | 25°49 | 27°54 | S 7 |
| M 8 | 13 8 58 | 19° 4'17 | 18°57 | 21°57 | 5° 8 | 26°45 | 2°55 | 18°57 | 10°44 | 21°48 | 13°45 | 24°34 | 23°17 | 25°56 | 27°57 | M 8 |
| T 9 | 13 12 54 | 20° 3'46 | 3♐52 | 23°59 | 6° 7 | 27°31 | 2°51 | 18°59 | 10°42 | 21°48 | 13°43 | 24°26 | 23°14 | 26° 2 | 27°59 | T 9 |
| W10 | 13 16 51 | 21° 3'14 | 18°22 | 26° 1 | 7° 5 | 28°17 | 2°48 | 19° 1 | 10°39 | 21°49 | 13°42 | 24°20 | 23°11 | 26° 9 | 28° 2 | W10 |
| T 11 | 13 20 47 | 22° 2'39 | 2♑23 | 28° 3 | 8° 2 | 29° 3 | 2°45 | 19° 4 | 10°36 | 21°49 | 13°40 | 24°16 | 23° 7 | 26°16 | 28° 5 | T 11 |
| F 12 | 13 24 44 | 23° 2'03 | 15°56 | 0♉ 5 | 9° 0 | 29°49 | 2°42 | 19° 6 | 10°34 | 21°50 | 13°39 | 24°14 | 23° 4 | 26°22 | 28° 7 | F 12 |
| S 13 | 13 28 40 | 24° 1'25 | 29° 2 | 2° 7 | 9°56 | 0♉35 | 2°39 | 19° 9 | 10°31 | 21°50 | 13°37 | 24°D14 | 23° 1 | 26°29 | 28°10 | S 13 |
| S 14 | 13 32 37 | 25° 0'46 | 11♒45 | 4° 8 | 10°52 | 1°21 | 2°37 | 19°12 | 10°29 | 21°50 | 13°36 | 24°14 | 22°58 | 26°36 | 28°13 | S 14 |
| M15 | 13 36 34 | 26° 0'04 | 24°10 | 6° 9 | 11°48 | 2° 7 | 2°34 | 19°14 | 10°26 | 21°51 | 13°34 | 24°R15 | 22°55 | 26°43 | 28°16 | M15 |
| T 16 | 13 40 30 | 26°59'21 | 6♓21 | 8° 8 | 12°43 | 2°53 | 2°32 | 19°17 | 10°24 | 21°51 | 13°32 | 24°14 | 22°51 | 26°49 | 28°19 | T 16 |
| W17 | 13 44 27 | 27°58'36 | 18°22 | 10° 5 | 13°37 | 3°39 | 2°30 | 19°20 | 10°21 | 21°51 | 13°31 | 24°11 | 22°48 | 26°56 | 28°22 | W17 |
| T 18 | 13 48 23 | 28°57'49 | 0♈17 | 12° 0 | 14°31 | 4°25 | 2°28 | 19°23 | 10°19 | 21°51 | 13°29 | 24° 6 | 22°45 | 27° 3 | 28°25 | T 18 |
| F 19 | 13 52 20 | 29°57'01 | 12° 8 | 13°53 | 15°24 | 5°11 | 2°26 | 19°27 | 10°17 | 21°51 | 13°28 | 23°57 | 22°42 | 27° 9 | 28°29 | F 19 |
| S 20 | 13 56 16 | 0♉56'10 | 23°59 | 15°44 | 16°16 | 5°57 | 2°25 | 19°30 | 10°14 | 21°51 | 13°26 | 23°47 | 22°39 | 27°16 | 28°32 | S 20 |
| S 21 | 14 0 13 | 1°55'18 | 5♉50 | 17°31 | 17° 8 | 6°42 | 2°23 | 19°33 | 10°12 | 21°51 | 13°24 | 23°34 | 22°36 | 27°23 | 28°35 | S 21 |
| M22 | 14 4 9 | 2°54'23 | 17°43 | 19°14 | 17°59 | 7°28 | 2°22 | 19°37 | 10° 9 | 21°52 | 13°23 | 23°21 | 22°32 | 27°30 | 28°39 | M22 |
| T 23 | 14 8 6 | 3°53'27 | 29°40 | 20°54 | 18°49 | 8°14 | 2°21 | 19°40 | 10° 7 | 21°R52 | 13°21 | 23° 8 | 22°29 | 27°36 | 28°42 | T 23 |
| W24 | 14 12 2 | 4°52'28 | 11♊43 | 22°29 | 19°39 | 8°59 | 2°20 | 19°44 | 10° 5 | 21°51 | 13°19 | 22°57 | 22°26 | 27°43 | 28°46 | W24 |
| T 25 | 14 15 59 | 5°51'28 | 23°52 | 24° 0 | 20°28 | 9°45 | 2°20 | 19°48 | 10° 2 | 21°51 | 13°18 | 22°47 | 22°23 | 27°50 | 28°49 | T 25 |
| F 26 | 14 19 56 | 6°50'25 | 6♋11 | 25°27 | 21°16 | 10°30 | 2°20 | 19°52 | 10° 0 | 21°51 | 13°16 | 22°41 | 22°20 | 27°56 | 28°53 | F 26 |
| S 27 | 14 23 52 | 7°49'20 | 18°43 | 26°48 | 22° 3 | 11°16 | 2°D19 | 19°56 | 9°58 | 21°51 | 13°14 | 22°37 | 22°17 | 28° 3 | 28°56 | S 27 |
| S 28 | 14 27 49 | 8°48'12 | 1♌32 | 28° 4 | 22°49 | 12° 1 | 2°19 | 20° 0 | 9°56 | 21°51 | 13°13 | 22°36 | 22°13 | 28°10 | 29° 0 | S 28 |
| M29 | 14 31 45 | 9°47'03 | 14°41 | 29°15 | 23°34 | 12°46 | 2°20 | 20° 4 | 9°54 | 21°51 | 13°11 | 22°36 | 22°10 | 28°16 | 29° 4 | M29 |
| T 30 | 14 35 42 | 10♉45'51 | 28♌14 | 0♊21 | 24♊19 | 13♉32 | 2♍20 | 20♋ 8 | 9♎51 | 21♑51 | 13♏ 9 | 22♒36 | 22♒ 7 | 28♈23 | 29♊ 8 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 4n46 | 20n25 | 1n43 | 1n38 | 1s43 | 22n19 | 2n45 | 7n47 | 0s32 | 11n15 | 1n 7 | 21n42 | 0s19 | 3s38 | 0n46 | 20s41 | 0n54 | 0n41 | 17n21 | 13s 7 | 13s34 | 13n53 | 17n 2 | 6s16 |
| T 2 | 5 9 | 15 26 | 0 31 | 2 28 | 1 38 | 22 37 | 2 50 | 8 5 | 0 31 | 11 17 | 1 7 | 21 42 | 0 19 | 3 37 | 0 46 | 20 41 | 0 54 | 0 42 | 17 22 | 13 6 | 13 35 | 13 56 | 17 3 | 6 15 |
| W 3 | 5 32 | 9 27 | 0s46 | 3 19 | 1 32 | 22 55 | 2 54 | 8 23 | 0 31 | 11 18 | 1 7 | 21 42 | 0 18 | 3 36 | 0 46 | 20 41 | 0 54 | 0 42 | 17 22 | 13 6 | 13 36 | 13 59 | 17 3 | 6 15 |
| T 4 | 5 55 | 2 47 | 2 1 | 4 11 | 1 25 | 23 12 | 2 59 | 8 40 | 0 30 | 11 20 | 1 7 | 21 42 | 0 18 | 3 35 | 0 46 | 20 40 | 0 54 | 0 43 | 17 22 | 13 7 | 13 37 | 14 2 | 17 3 | 6 14 |
| F 5 | 6 18 | 4s10 | 3 10 | 5 3 | 1 18 | 23 29 | 3 3 | 8 58 | 0 29 | 11 21 | 1 7 | 21 42 | 0 18 | 3 34 | 0 46 | 20 40 | 0 54 | 0 44 | 17 22 | 13 9 | 13 38 | 14 5 | 17 4 | 6 14 |
| S 6 | 6 41 | 11 0 | 4 7 | 5 55 | 1 10 | 23 45 | 3 8 | 9 15 | 0 29 | 11 23 | 1 7 | 21 42 | 0 18 | 3 33 | 0 46 | 20 40 | 0 54 | 0 44 | 17 23 | 13 11 | 13 39 | 14 8 | 17 4 | 6 14 |
| S 7 | 7 3 | 17 11 | 4 46 | 6 48 | 1 2 | 24 1 | 3 12 | 9 33 | 0 28 | 11 24 | 1 7 | 21 42 | 0 18 | 3 32 | 0 46 | 20 40 | 0 54 | 0 45 | 17 23 | 13 13 | 13 40 | 14 11 | 17 5 | 6 13 |
| M 8 | 7 26 | 22 14 | 5 4 | 7 42 | 0 53 | 24 16 | 3 16 | 9 50 | 0 27 | 11 25 | 1 7 | 21 41 | 0 18 | 3 31 | 0 46 | 20 40 | 0 54 | 0 45 | 17 23 | 13 16 | 13 41 | 14 13 | 17 5 | 6 13 |
| T 9 | 7 48 | 25 45 | 5 2 | 8 35 | 0 44 | 24 31 | 3 21 | 10 7 | 0 27 | 11 26 | 1 7 | 21 41 | 0 18 | 3 30 | 0 46 | 20 40 | 0 54 | 0 46 | 17 23 | 13 19 | 13 42 | 14 16 | 17 5 | 6 13 |
| W10 | 8 10 | 27 27 | 4 39 | 9 28 | 0 34 | 24 45 | 3 25 | 10 24 | 0 26 | 11 27 | 1 7 | 21 41 | 0 17 | 3 29 | 0 46 | 20 40 | 0 54 | 0 47 | 17 24 | 13 21 | 13 43 | 14 19 | 17 6 | 6 12 |
| T 11 | 8 33 | 27 19 | 4 1 | 10 21 | 0 24 | 24 58 | 3 29 | 10 41 | 0 26 | 11 29 | 1 6 | 21 41 | 0 17 | 3 28 | 0 46 | 20 40 | 0 54 | 0 47 | 17 24 | 13 22 | 13 44 | 14 22 | 17 6 | 6 12 |
| F 12 | 8 55 | 25 31 | 3 10 | 11 14 | 0 13 | 25 12 | 3 33 | 10 58 | 0 25 | 11 29 | 1 6 | 21 41 | 0 17 | 3 27 | 0 46 | 20 40 | 0 54 | 0 48 | 17 24 | 13 23 | 13 45 | 14 25 | 17 7 | 6 12 |
| S 13 | 9 16 | 22 23 | 2 11 | 12 6 | 0 3 | 25 24 | 3 37 | 11 14 | 0 24 | 11 30 | 1 6 | 21 40 | 0 17 | 3 26 | 0 46 | 20 40 | 0 54 | 0 49 | 17 24 | 13 23 | 13 46 | 14 28 | 17 7 | 6 11 |
| S 14 | 9 38 | 18 14 | 1 6 | 12 58 | 0n 8 | 25 36 | 3 41 | 11 31 | 0 24 | 11 31 | 1 6 | 21 40 | 0 17 | 3 25 | 0 46 | 20 39 | 0 54 | 0 49 | 17 24 | 13 22 | 13 47 | 14 30 | 17 7 | 6 11 |
| M15 | 10 0 | 13 24 | 0 0 | 13 48 | 0 20 | 25 48 | 3 45 | 11 47 | 0 23 | 11 32 | 1 6 | 21 40 | 0 17 | 3 24 | 0 46 | 20 39 | 0 54 | 0 50 | 17 25 | 13 22 | 13 49 | 14 33 | 17 8 | 6 11 |
| T 16 | 10 21 | 8 9 | 1n 4 | 14 38 | 0 31 | 25 59 | 3 49 | 12 4 | 0 22 | 11 33 | 1 6 | 21 40 | 0 17 | 3 23 | 0 46 | 20 39 | 0 54 | 0 50 | 17 25 | 13 22 | 13 50 | 14 36 | 17 8 | 6 10 |
| W17 | 10 42 | 2 40 | 2 5 | 15 26 | 0 42 | 26 9 | 3 52 | 12 20 | 0 22 | 11 33 | 1 6 | 21 39 | 0 17 | 3 22 | 0 46 | 20 39 | 0 55 | 0 51 | 17 25 | 13 23 | 13 51 | 14 39 | 17 8 | 6 10 |
| T 18 | 11 3 | 2n51 | 2 59 | 16 13 | 0 54 | 26 19 | 3 56 | 12 36 | 0 21 | 11 34 | 1 6 | 21 39 | 0 16 | 3 21 | 0 46 | 20 39 | 0 55 | 0 52 | 17 25 | 13 25 | 13 52 | 14 42 | 17 9 | 6 10 |
| F 19 | 11 24 | 8 14 | 3 46 | 16 58 | 1 5 | 26 29 | 3 59 | 12 52 | 0 20 | 11 34 | 1 6 | 21 39 | 0 16 | 3 21 | 0 46 | 20 39 | 0 55 | 0 52 | 17 25 | 13 28 | 13 53 | 14 44 | 17 9 | 6 9 |
| S 20 | 11 44 | 13 19 | 4 22 | 17 41 | 1 17 | 26 38 | 4 2 | 13 7 | 0 20 | 11 35 | 1 6 | 21 38 | 0 16 | 3 20 | 0 46 | 20 39 | 0 55 | 0 53 | 17 25 | 13 32 | 13 54 | 14 47 | 17 10 | 6 9 |
| S 21 | 12 5 | 17 55 | 4 47 | 18 22 | 1 27 | 26 46 | 4 6 | 13 23 | 0 19 | 11 35 | 1 5 | 21 38 | 0 16 | 3 19 | 0 46 | 20 39 | 0 55 | 0 53 | 17 25 | 13 36 | 13 55 | 14 50 | 17 10 | 6 9 |
| M22 | 12 25 | 21 49 | 5 0 | 19 1 | 1 38 | 26 54 | 4 9 | 13 38 | 0 18 | 11 36 | 1 5 | 21 38 | 0 16 | 3 18 | 0 46 | 20 39 | 0 55 | 0 54 | 17 26 | 13 40 | 13 56 | 14 53 | 17 10 | 6 8 |
| T 23 | 12 45 | 24 51 | 4 59 | 19 38 | 1 48 | 27 2 | 4 12 | 13 54 | 0 18 | 11 36 | 1 5 | 21 37 | 0 16 | 3 17 | 0 46 | 20 39 | 0 55 | 0 54 | 17 26 | 13 44 | 13 57 | 14 55 | 17 11 | 6 8 |
| W24 | 13 5 | 26 47 | 4 45 | 20 12 | 1 58 | 27 9 | 4 15 | 14 9 | 0 17 | 11 36 | 1 5 | 21 37 | 0 16 | 3 16 | 0 46 | 20 39 | 0 55 | 0 55 | 17 26 | 13 48 | 13 58 | 14 58 | 17 11 | 6 8 |
| T 25 | 13 24 | 27 29 | 4 19 | 20 43 | 2 7 | 27 15 | 4 17 | 14 24 | 0 16 | 11 36 | 1 5 | 21 36 | 0 16 | 3 15 | 0 46 | 20 39 | 0 55 | 0 56 | 17 26 | 13 51 | 13 59 | 15 1 | 17 11 | 6 7 |
| F 26 | 13 44 | 26 49 | 3 39 | 21 13 | 2 15 | 27 21 | 4 20 | 14 39 | 0 16 | 11 36 | 1 5 | 21 36 | 0 16 | 3 14 | 0 46 | 20 39 | 0 55 | 0 56 | 17 26 | 13 53 | 14 0 | 15 4 | 17 12 | 6 7 |
| S 27 | 14 3 | 24 48 | 2 49 | 21 39 | 2 23 | 27 26 | 4 22 | 14 53 | 0 15 | 11 36 | 1 5 | 21 35 | 0 15 | 3 13 | 0 46 | 20 39 | 0 55 | 0 57 | 17 26 | 13 54 | 14 1 | 15 7 | 17 12 | 6 7 |
| S 28 | 14 22 | 21 29 | 1 49 | 22 3 | 2 29 | 27 31 | 4 25 | 15 8 | 0 14 | 11 36 | 1 5 | 21 35 | 0 15 | 3 13 | 0 46 | 20 39 | 0 55 | 0 57 | 17 26 | 13 55 | 14 2 | 15 9 | 17 12 | 6 6 |
| M29 | 14 40 | 17 1 | 0 42 | 22 25 | 2 35 | 27 36 | 4 27 | 15 22 | 0 14 | 11 36 | 1 4 | 21 34 | 0 15 | 3 12 | 0 46 | 20 39 | 0 55 | 0 58 | 17 26 | 13 55 | 14 3 | 15 12 | 17 12 | 6 6 |
| T 30 | 14n59 | 11n33 | 0s30 | 22n44 | 2n40 | 27n40 | 4n29 | 15n37 | 0s13 | 11n35 | 1n 4 | 21n34 | 0s15 | 3s11 | 0n46 | 20s39 | 0n55 | 0n58 | 17n26 | 13s55 | 14s 4 | 15n15 | 17n13 | 6s 6 |

Julian Day Number = 2808112.5, Delta T = 52m19s
Ecliptic obliquity = 23°18'54, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°24'22, Lahiri = 37°31'22


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# ASTRODIENST EPHEMERIS for the year 2976
# geocentric

## MAY 2976 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 39 38 | 11♉44'37 | 12♍14 | 1♊20 | 25♊ 2 | 14♉17 | 2♍21 | 20♋12 | 9°R49 | 21°R50 | 13°R 8 | 22°R35 | 22♒ 4 | 28♈30 | 29♊11 | W 1 |
| T 2 | 14 43 35 | 12°43'21 | 26°40 | 2°15 | 25°44 | 15° 2 | 2°21 | 20°17 | 9♎47 | 21♐50 | 13♏ 6 | 22♒31 | 22° 1 | 28°37 | 29°15 | T 2 |
| F 3 | 14 47 31 | 13°42'02 | 11♎31 | 3° 3 | 26°25 | 15°47 | 2°22 | 20°21 | 9°45 | 21°50 | 13° 4 | 22°26 | 21°57 | 28°43 | 29°19 | F 3 |
| S 4 | 14 51 28 | 14°40'42 | 26°39 | 3°45 | 27° 5 | 16°32 | 2°23 | 20°26 | 9°43 | 21°49 | 13° 2 | 22°17 | 21°54 | 28°50 | 29°23 | S 4 |
| S 5 | 14 55 25 | 15°39'19 | 11♏57 | 4°22 | 27°44 | 17°17 | 2°25 | 20°30 | 9°41 | 21°49 | 13° 1 | 22° 7 | 21°51 | 28°57 | 29°27 | S 5 |
| M 6 | 14 59 21 | 16°37'55 | 27°12 | 4°52 | 28°22 | 18° 2 | 2°26 | 20°35 | 9°39 | 21°49 | 12°59 | 21°56 | 21°48 | 29° 3 | 29°31 | M 6 |
| T 7 | 15 3 18 | 17°36'29 | 12♐14 | 5°17 | 28°58 | 18°47 | 2°28 | 20°40 | 9°37 | 21°48 | 12°57 | 21°45 | 21°45 | 29°10 | 29°35 | T 7 |
| W 8 | 15 7 14 | 18°35'01 | 26°53 | 5°35 | 29°34 | 19°32 | 2°30 | 20°45 | 9°36 | 21°48 | 12°56 | 21°36 | 21°42 | 29°17 | 29°40 | W 8 |
| T 9 | 15 11 11 | 19°33'31 | 11♑ 5 | 5°48 | 0♋ 7 | 20°17 | 2°32 | 20°50 | 9°34 | 21°47 | 12°54 | 21°30 | 21°38 | 29°24 | 29°44 | T 9 |
| F 10 | 15 15 7 | 20°32'00 | 24°46 | 5°55 | 0°40 | 21° 2 | 2°34 | 20°55 | 9°32 | 21°47 | 12°52 | 21°26 | 21°35 | 29°30 | 29°48 | F 10 |
| S 11 | 15 19 4 | 21°30'28 | 7♒58 | 5°R56 | 1°11 | 21°47 | 2°36 | 21° 0 | 9°30 | 21°46 | 12°51 | 21°25 | 21°32 | 29°37 | 29°52 | S 11 |
| S 12 | 15 23 1 | 22°28'53 | 20°44 | 5°52 | 1°40 | 22°31 | 2°39 | 21° 5 | 9°29 | 21°45 | 12°49 | 21°24 | 21°29 | 29°44 | 29°57 | S 12 |
| M13 | 15 26 57 | 23°27'17 | 3♓ 9 | 5°42 | 2° 8 | 23°16 | 2°42 | 21°10 | 9°27 | 21°45 | 12°47 | 21°24 | 21°26 | 29°50 | 0♋ 1 | M13 |
| T 14 | 15 30 54 | 24°25'40 | 15°18 | 5°28 | 2°34 | 24° 1 | 2°45 | 21°16 | 9°25 | 21°44 | 12°46 | 21°23 | 21°23 | 29°57 | 0° 5 | T 14 |
| W15 | 15 34 50 | 25°24'01 | 27°16 | 5° 8 | 2°59 | 24°45 | 2°48 | 21°21 | 9°24 | 21°43 | 12°44 | 21°20 | 21°19 | 0♌ 4 | 0°10 | W15 |
| T 16 | 15 38 47 | 26°22'20 | 9♈ 8 | 4°45 | 3°22 | 25°30 | 2°51 | 21°27 | 9°22 | 21°43 | 12°42 | 21°14 | 21°16 | 0°11 | 0°14 | T 16 |
| F 17 | 15 42 43 | 27°20'38 | 20°58 | 4°18 | 3°43 | 26°14 | 2°54 | 21°32 | 9°21 | 21°42 | 12°41 | 21° 5 | 21°13 | 0°17 | 0°19 | F 17 |
| S 18 | 15 46 40 | 28°18'55 | 2♉48 | 3°48 | 4° 2 | 26°58 | 2°58 | 21°38 | 9°19 | 21°41 | 12°39 | 20°54 | 21°10 | 0°24 | 0°23 | S 18 |
| S 19 | 15 50 36 | 29°17'10 | 14°42 | 3°15 | 4°19 | 27°43 | 3° 2 | 21°43 | 9°18 | 21°40 | 12°37 | 20°41 | 21° 7 | 0°31 | 0°28 | S 19 |
| M20 | 15 54 33 | 0♊15'23 | 26°41 | 2°40 | 4°34 | 28°27 | 3° 6 | 21°49 | 9°17 | 21°40 | 12°36 | 20°27 | 21° 3 | 0°37 | 0°32 | M20 |
| T 21 | 15 58 29 | 1°13'35 | 8♊46 | 2° 3 | 4°48 | 29°11 | 3°10 | 21°55 | 9°15 | 21°39 | 12°34 | 20°14 | 21° 0 | 0°44 | 0°37 | T 21 |
| W22 | 16 2 26 | 2°11'45 | 20°58 | 1°26 | 4°59 | 29°56 | 3°14 | 22° 1 | 9°14 | 21°38 | 12°33 | 20° 1 | 20°57 | 0°51 | 0°42 | W22 |
| T 23 | 16 6 23 | 3° 9'53 | 3♋18 | 0°49 | 5° 8 | 0♊40 | 3°19 | 22° 7 | 9°13 | 21°37 | 12°31 | 19°52 | 20°54 | 0°58 | 0°46 | T 23 |
| F 24 | 16 10 19 | 4° 8'00 | 15°48 | 0°12 | 5°15 | 1°24 | 3°23 | 22°13 | 9°12 | 21°36 | 12°30 | 19°45 | 20°51 | 1° 4 | 0°51 | F 24 |
| S 25 | 16 14 16 | 5° 6'04 | 28°29 | 29♉37 | 5°19 | 2° 8 | 3°28 | 22°19 | 9°10 | 21°35 | 12°28 | 19°41 | 20°48 | 1°11 | 0°56 | S 25 |
| S 26 | 16 18 12 | 6° 4'07 | 11♌24 | 29° 4 | 5°R22 | 2°52 | 3°33 | 22°25 | 9° 9 | 21°34 | 12°27 | 19°39 | 20°44 | 1°18 | 1° 1 | S 26 |
| M27 | 16 22 9 | 7° 2'08 | 24°35 | 28°33 | 5°21 | 3°36 | 3°38 | 22°31 | 9° 8 | 21°33 | 12°25 | 19°D39 | 20°41 | 1°24 | 1° 6 | M27 |
| T 28 | 16 26 5 | 8° 0'07 | 8♍ 6 | 28° 4 | 5°19 | 4°20 | 3°43 | 22°37 | 9° 7 | 21°32 | 12°24 | 19°R39 | 20°38 | 1°31 | 1°10 | T 28 |
| W29 | 16 30 2 | 8°58'05 | 21°57 | 27°39 | 5°14 | 5° 3 | 3°48 | 22°44 | 9° 6 | 21°31 | 12°22 | 19°38 | 20°35 | 1°38 | 1°15 | W29 |
| T 30 | 16 33 59 | 9°56'00 | 6♎10 | 27°18 | 5° 7 | 5°47 | 3°54 | 22°50 | 9° 6 | 21°30 | 12°21 | 19°36 | 20°32 | 1°45 | 1°20 | T 30 |
| F 31 | 16 37 55 | 10♊53'54 | 20♎44 | 27♉ 0 | 4♋57 | 6♊31 | 4♍ 0 | 22♋57 | 9♎ 5 | 21♐29 | 12♏19 | 19♒31 | 20♒29 | 1♉51 | 1♋25 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 15n17 | 5n22 | 1s42 | 23n 0 | 2n44 | 27n43 | 4n30 | 15n51 | 0s12 | 11n35 | 1n 4 | 21n33 | 0s15 | 3s10 | 0n46 | 20s39 | 0n55 | 0n59 | 17n26 | 13s55 | 14s 5 | 15n18 | 17n13 | 6s 6 | |
| T 2 | 15 35 | 1s17 | 2 50 | 23 14 | 2 47 | 27 47 | 4 32 | 16 4 | 0 12 | 11 35 | 1 4 | 21 33 | 0 15 | 3 9 | 0 46 | 20 39 | 0 55 | 0 59 | 17 26 | 13 56 | 14 6 | 15 20 | 17 13 | 6 5 | |
| F 3 | 15 52 | 8 1 | 3 48 | 23 25 | 2 49 | 27 49 | 4 33 | 16 18 | 0 11 | 11 34 | 1 4 | 21 32 | 0 15 | 3 9 | 0 46 | 20 39 | 0 55 | 0 59 | 17 26 | 13 58 | 14 7 | 15 23 | 17 14 | 6 5 | |
| S 4 | 16 9 | 14 26 | 4 31 | 23 34 | 2 49 | 27 51 | 4 34 | 16 32 | 0 10 | 11 34 | 1 4 | 21 32 | 0 15 | 3 8 | 0 46 | 20 39 | 0 55 | 1 0 | 17 26 | 14 1 | 14 8 | 15 26 | 17 14 | 6 5 | |
| S 5 | 16 27 | 20 2 | 4 56 | 23 40 | 2 49 | 27 53 | 4 35 | 16 45 | 0 10 | 11 33 | 1 4 | 21 31 | 0 14 | 3 7 | 0 46 | 20 39 | 0 55 | 1 0 | 17 26 | 14 4 | 14 9 | 15 28 | 17 14 | 6 5 | |
| M 6 | 16 43 | 24 17 | 4 59 | 23 44 | 2 47 | 27 55 | 4 36 | 16 58 | 0 9 | 11 33 | 1 4 | 21 31 | 0 14 | 3 6 | 0 46 | 20 39 | 0 55 | 1 1 | 17 26 | 14 8 | 14 10 | 15 31 | 17 14 | 6 4 | |
| T 7 | 17 0 | 26 48 | 4 42 | 23 46 | 2 44 | 27 55 | 4 37 | 17 11 | 0 8 | 11 32 | 1 3 | 21 30 | 0 14 | 3 6 | 0 46 | 20 39 | 0 55 | 1 1 | 17 26 | 14 11 | 14 11 | 15 34 | 17 15 | 6 4 | |
| W 8 | 17 16 | 27 22 | 4 6 | 23 45 | 2 40 | 27 56 | 4 37 | 17 24 | 0 8 | 11 31 | 1 3 | 21 29 | 0 14 | 3 5 | 0 46 | 20 39 | 0 55 | 1 2 | 17 26 | 14 14 | 14 12 | 15 37 | 17 15 | 6 4 | |
| T 9 | 17 32 | 26 6 | 3 16 | 23 42 | 2 34 | 27 56 | 4 37 | 17 37 | 0 7 | 11 30 | 1 3 | 21 29 | 0 14 | 3 4 | 0 46 | 20 39 | 0 55 | 1 2 | 17 26 | 14 16 | 14 13 | 15 39 | 17 15 | 6 4 | |
| F 10 | 17 47 | 23 17 | 2 16 | 23 36 | 2 27 | 27 56 | 4 37 | 17 49 | 0 6 | 11 29 | 1 3 | 21 28 | 0 14 | 3 4 | 0 46 | 20 40 | 0 55 | 1 2 | 17 26 | 14 17 | 14 14 | 15 42 | 17 15 | 6 4 | |
| S 11 | 18 3 | 19 19 | 1 10 | 23 28 | 2 19 | 27 55 | 4 37 | 18 1 | 0 6 | 11 28 | 1 3 | 21 27 | 0 14 | 3 3 | 0 45 | 20 40 | 0 55 | 1 3 | 17 26 | 14 17 | 14 15 | 15 45 | 17 16 | 6 3 | |
| S 12 | 18 18 | 14 34 | 0 4 | 23 18 | 2 10 | 27 54 | 4 36 | 18 13 | 0 5 | 11 27 | 1 3 | 21 27 | 0 14 | 3 2 | 0 45 | 20 40 | 0 55 | 1 3 | 17 25 | 14 18 | 14 16 | 15 47 | 17 16 | 6 3 | |
| M13 | 18 32 | 9 20 | 1n 2 | 23 6 | 1 59 | 27 53 | 4 35 | 18 25 | 0 5 | 11 26 | 1 3 | 21 26 | 0 14 | 3 2 | 0 45 | 20 40 | 0 55 | 1 3 | 17 25 | 14 18 | 14 17 | 15 50 | 17 16 | 6 3 | |
| T 14 | 18 47 | 3 53 | 2 3 | 22 52 | 1 47 | 27 51 | 4 34 | 18 37 | 0 4 | 11 25 | 1 3 | 21 25 | 0 13 | 3 1 | 0 45 | 20 40 | 0 55 | 1 4 | 17 25 | 14 18 | 14 18 | 15 53 | 17 16 | 6 3 | |
| W15 | 19 1 | 1n38 | 2 57 | 22 35 | 1 34 | 27 49 | 4 32 | 18 48 | 0 3 | 11 24 | 1 2 | 21 25 | 0 13 | 3 1 | 0 45 | 20 40 | 0 55 | 1 4 | 17 25 | 14 19 | 14 19 | 15 56 | 17 16 | 6 2 | |
| T 16 | 19 14 | 7 2 | 3 44 | 22 17 | 1 20 | 27 46 | 4 30 | 19 0 | 0 3 | 11 23 | 1 2 | 21 24 | 0 13 | 3 0 | 0 45 | 20 40 | 0 55 | 1 4 | 17 25 | 14 21 | 14 20 | 15 58 | 17 17 | 6 2 | |
| F 17 | 19 28 | 12 9 | 4 20 | 21 58 | 1 5 | 27 43 | 4 28 | 19 11 | 0 2 | 11 21 | 1 2 | 21 23 | 0 13 | 2 59 | 0 45 | 20 40 | 0 55 | 1 5 | 17 25 | 14 24 | 14 21 | 16 1 | 17 17 | 6 2 | |
| S 18 | 19 41 | 16 51 | 4 45 | 21 36 | 0 49 | 27 40 | 4 25 | 19 22 | 0 1 | 11 20 | 1 2 | 21 22 | 0 13 | 2 59 | 0 45 | 20 40 | 0 55 | 1 5 | 17 25 | 14 27 | 14 22 | 16 4 | 17 17 | 6 2 | |
| S 19 | 19 54 | 20 54 | 4 58 | 21 14 | 0 33 | 27 37 | 4 22 | 19 32 | 0 1 | 11 18 | 1 2 | 21 22 | 0 13 | 2 58 | 0 45 | 20 40 | 0 55 | 1 5 | 17 24 | 14 31 | 14 23 | 16 6 | 17 17 | 6 2 | |
| M20 | 20 6 | 24 8 | 4 58 | 20 51 | 0 16 | 27 33 | 4 19 | 19 43 | 0n 0 | 11 17 | 1 2 | 21 21 | 0 13 | 2 58 | 0 45 | 20 40 | 0 55 | 1 6 | 17 24 | 14 36 | 14 24 | 16 9 | 17 17 | 6 2 | |
| T 21 | 20 18 | 26 20 | 4 44 | 20 26 | 0s 2 | 27 28 | 4 15 | 19 53 | 0 1 | 11 15 | 1 2 | 21 20 | 0 13 | 2 57 | 0 45 | 20 41 | 0 55 | 1 6 | 17 24 | 14 40 | 14 25 | 16 12 | 17 17 | 6 1 | |
| W22 | 20 30 | 27 18 | 4 18 | 20 2 | 0 19 | 27 24 | 4 11 | 20 3 | 0 1 | 11 14 | 1 2 | 21 19 | 0 13 | 2 57 | 0 45 | 20 41 | 0 55 | 1 6 | 17 24 | 14 44 | 14 26 | 16 14 | 17 17 | 6 1 | |
| T 23 | 20 41 | 26 55 | 3 39 | 19 37 | 0 37 | 27 19 | 4 6 | 20 13 | 0 2 | 11 12 | 1 1 | 21 18 | 0 13 | 2 57 | 0 45 | 20 41 | 0 55 | 1 6 | 17 24 | 14 47 | 14 27 | 16 17 | 17 18 | 6 1 | |
| F 24 | 20 52 | 25 11 | 2 49 | 19 12 | 0 54 | 27 13 | 4 1 | 20 23 | 0 3 | 11 10 | 1 1 | 21 17 | 0 12 | 2 56 | 0 45 | 20 41 | 0 55 | 1 7 | 17 23 | 14 49 | 14 28 | 16 19 | 17 18 | 6 1 | |
| S 25 | 21 2 | 22 9 | 1 50 | 18 48 | 1 12 | 27 8 | 3 55 | 20 32 | 0 3 | 11 8 | 1 1 | 21 17 | 0 12 | 2 56 | 0 45 | 20 41 | 0 55 | 1 7 | 17 23 | 14 50 | 14 29 | 16 22 | 17 18 | 6 1 | |
| S 26 | 21 12 | 17 58 | 0 44 | 18 24 | 1 28 | 27 2 | 3 49 | 20 41 | 0 4 | 11 6 | 1 1 | 21 16 | 0 12 | 2 55 | 0 45 | 20 41 | 0 55 | 1 7 | 17 23 | 14 51 | 14 30 | 16 25 | 17 18 | 6 1 | |
| M27 | 21 22 | 12 51 | 0s26 | 18 2 | 1 44 | 26 55 | 3 43 | 20 50 | 0 5 | 11 4 | 1 1 | 21 15 | 0 12 | 2 55 | 0 45 | 20 41 | 0 55 | 1 7 | 17 23 | 14 51 | 14 31 | 16 27 | 17 18 | 6 1 | |
| T 28 | 21 32 | 7 0 | 1 36 | 17 41 | 2 0 | 26 48 | 3 36 | 20 59 | 0 5 | 11 2 | 1 1 | 21 14 | 0 12 | 2 55 | 0 45 | 20 42 | 0 55 | 1 7 | 17 22 | 14 51 | 14 32 | 16 30 | 17 18 | 6 1 | |
| W29 | 21 41 | 0 41 | 2 42 | 17 21 | 2 15 | 26 41 | 3 29 | 21 8 | 0 6 | 11 0 | 1 1 | 21 13 | 0 12 | 2 54 | 0 45 | 20 42 | 0 55 | 1 7 | 17 22 | 14 51 | 14 33 | 16 33 | 17 18 | 6 0 | |
| T 30 | 21 49 | 5s49 | 3 40 | 17 3 | 2 28 | 26 34 | 3 21 | 21 16 | 0 7 | 10 58 | 1 1 | 21 12 | 0 12 | 2 54 | 0 45 | 20 42 | 0 55 | 1 8 | 17 22 | 14 52 | 14 34 | 16 35 | 17 18 | 6 0 | |
| F 31 | 21n58 | 12s 9 | 4s26 | 16n46 | 2s41 | 26n26 | 3n12 | 21n24 | 0n 7 | 10n56 | 1n 1 | 21n11 | 0s12 | 2s54 | 0n45 | 20s42 | 0n55 | 1n 8 | 17n22 | 14s53 | 14s35 | 16n38 | 17n18 | 6s 0 | |

Julian Day Number = 2808142.5, Delta T = 52m20s
Ecliptic obliquity = 23°18'53, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°24'26, Lahiri = 37°31'26


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# ASTRODIENST EPHEMERIS for the year 2976
# geocentric

## JUNE 2976 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 41 52 | 11♊51'46 | 5♏34 | 26°R47 | 4°R45 | 7♊15 | 4♍ 6 | 23♋ 3 | 9°R 4 | 21°R28 | 12°R18 | 19°R24 | 20♒25 | 1♉58 | 1♋30 | S 1 |
| S 2 | 16 45 48 | 12°49'37 | 20°34 | 26♉38 | 4♋30 | 7°58 | 4°12 | 23°10 | 9♎ 3 | 21♑26 | 12♏16 | 19♒15 | 20°22 | 2° 5 | 1°35 | S 2 |
| M 3 | 16 49 45 | 13°47'26 | 5♐35 | 26°33 | 4°13 | 8°42 | 4°18 | 23°16 | 9° 3 | 21°25 | 12°15 | 19° 5 | 20°19 | 2°11 | 1°40 | M 3 |
| T 4 | 16 53 41 | 14°45'13 | 20°27 | 26°D33 | 3°53 | 9°25 | 4°24 | 23°23 | 9° 2 | 21°24 | 12°14 | 18°56 | 20°16 | 2°18 | 1°45 | T 4 |
| W 5 | 16 57 38 | 15°43'00 | 5♑ 2 | 26°38 | 3°32 | 10° 9 | 4°30 | 23°29 | 9° 1 | 21°23 | 12°12 | 18°48 | 20°13 | 2°25 | 1°50 | W 5 |
| T 6 | 17 1 34 | 16°40'45 | 19°13 | 26°47 | 3° 8 | 10°52 | 4°37 | 23°36 | 9° 1 | 21°22 | 12°11 | 18°43 | 20° 9 | 2°32 | 1°55 | T 6 |
| F 7 | 17 5 31 | 17°38'29 | 2♒57 | 27° 0 | 2°42 | 11°35 | 4°44 | 23°43 | 9° 1 | 21°20 | 12°10 | 18°40 | 20° 6 | 2°38 | 2° 0 | F 7 |
| S 8 | 17 9 28 | 18°36'12 | 16°13 | 27°18 | 2°14 | 12°19 | 4°50 | 23°50 | 9° 0 | 21°19 | 12° 8 | 18°D38 | 20° 3 | 2°45 | 2° 5 | S 8 |
| S 9 | 17 13 24 | 19°33'53 | 29° 4 | 27°40 | 1°44 | 13° 2 | 4°57 | 23°57 | 9° 0 | 21°18 | 12° 7 | 18°39 | 20° 0 | 2°52 | 2°10 | S 9 |
| M10 | 17 17 21 | 20°31'34 | 11♓33 | 28° 7 | 1°12 | 13°45 | 5° 4 | 24° 3 | 8°59 | 21°16 | 12° 6 | 18°40 | 19°57 | 2°58 | 2°15 | M10 |
| T 11 | 17 21 17 | 21°29'14 | 23°44 | 28°38 | 0°39 | 14°28 | 5°12 | 24°10 | 8°59 | 21°15 | 12° 5 | 18°R40 | 19°54 | 3° 5 | 2°20 | T 11 |
| W12 | 17 25 14 | 22°26'53 | 5♈45 | 29°13 | 0° 5 | 15°11 | 5°19 | 24°17 | 8°59 | 21°14 | 12° 3 | 18°39 | 19°50 | 3°12 | 2°25 | W12 |
| T 13 | 17 29 10 | 23°24'31 | 17°38 | 29°52 | 29♊29 | 15°54 | 5°26 | 24°24 | 8°59 | 21°12 | 12° 2 | 18°36 | 19°47 | 3°19 | 2°30 | T 13 |
| F 14 | 17 33 7 | 24°22'08 | 29°28 | 0♊34 | 28°53 | 16°37 | 5°34 | 24°31 | 8°59 | 21°11 | 12° 1 | 18°31 | 19°44 | 3°25 | 2°35 | F 14 |
| S 15 | 17 37 3 | 25°19'44 | 11♉21 | 1°21 | 28°16 | 17°20 | 5°42 | 24°39 | 8°D59 | 21°10 | 12° 0 | 18°23 | 19°41 | 3°32 | 2°41 | S 15 |
| S 16 | 17 41 0 | 26°17'19 | 23°18 | 2°11 | 27°39 | 18° 3 | 5°50 | 24°46 | 8°59 | 21° 8 | 11°59 | 18°15 | 19°38 | 3°39 | 2°46 | S 16 |
| M17 | 17 44 57 | 27°14'54 | 5♊24 | 3° 5 | 27° 1 | 18°46 | 5°58 | 24°53 | 8°59 | 21° 7 | 11°58 | 18° 5 | 19°35 | 3°46 | 2°51 | M17 |
| T 18 | 17 48 53 | 28°12'28 | 17°38 | 4° 2 | 26°24 | 19°29 | 6° 6 | 25° 0 | 8°59 | 21° 5 | 11°57 | 17°56 | 19°31 | 3°52 | 2°56 | T 18 |
| W19 | 17 52 50 | 29°10'00 | 0♋ 3 | 5° 3 | 25°46 | 20°11 | 6°14 | 25° 7 | 8°59 | 21° 4 | 11°56 | 17°48 | 19°28 | 3°59 | 3° 1 | W19 |
| T 20 | 17 56 46 | 0♋ 7'32 | 12°39 | 6° 7 | 25°10 | 20°54 | 6°22 | 25°15 | 8°59 | 21° 2 | 11°55 | 17°41 | 19°25 | 4° 6 | 3° 6 | T 20 |
| F 21 | 18 0 43 | 1° 5'03 | 25°26 | 7°14 | 24°34 | 21°37 | 6°31 | 25°22 | 9° 0 | 21° 1 | 11°54 | 17°37 | 19°22 | 4°12 | 3°12 | F 21 |
| S 22 | 18 4 39 | 2° 2'32 | 8♌25 | 8°24 | 23°59 | 22°19 | 6°39 | 25°29 | 9° 0 | 20°59 | 11°53 | 17°35 | 19°19 | 4°19 | 3°17 | S 22 |
| S 23 | 18 8 36 | 3° 0'01 | 21°36 | 9°38 | 23°25 | 23° 2 | 6°48 | 25°37 | 9° 0 | 20°58 | 11°52 | 17°D34 | 19°15 | 4°26 | 3°22 | S 23 |
| M24 | 18 12 33 | 3°57'28 | 5♍ 0 | 10°54 | 22°53 | 23°44 | 6°57 | 25°44 | 9° 1 | 20°56 | 11°51 | 17°35 | 19°12 | 4°33 | 3°27 | M24 |
| T 25 | 18 16 29 | 4°54'55 | 18°38 | 12°14 | 22°22 | 24°27 | 7° 6 | 25°51 | 9° 1 | 20°55 | 11°50 | 17°36 | 19° 9 | 4°39 | 3°32 | T 25 |
| W26 | 18 20 26 | 5°52'20 | 2♎30 | 13°37 | 21°53 | 25° 9 | 7°15 | 25°59 | 9° 2 | 20°53 | 11°49 | 17°R37 | 19° 6 | 4°46 | 3°37 | W26 |
| T 27 | 18 24 22 | 6°49'44 | 16°37 | 15° 2 | 21°25 | 25°51 | 7°24 | 26° 6 | 9° 2 | 20°52 | 11°49 | 17°37 | 19° 3 | 4°53 | 3°43 | T 27 |
| F 28 | 18 28 19 | 7°47'07 | 0♏56 | 16°31 | 21° 0 | 26°33 | 7°33 | 26°14 | 9° 3 | 20°50 | 11°48 | 17°35 | 19° 0 | 4°59 | 3°48 | F 28 |
| S 29 | 18 32 15 | 8°44'29 | 15°26 | 18° 2 | 20°37 | 27°16 | 7°42 | 26°21 | 9° 4 | 20°48 | 11°47 | 17°31 | 18°56 | 5° 6 | 3°53 | S 29 |
| S 30 | 18 36 12 | 9♋41'51 | 0♐ 2 | 19♊37 | 20♊16 | 27♊58 | 7♍52 | 26♋29 | 9♎ 5 | 20♑47 | 11♏46 | 17♒27 | 18♒53 | 5♉13 | 3♋58 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n 6 | 17s55 | 4s54 | 16n32 | 2s53 | 26n17 | 3n 3 | 21n32 | 0n 8 | 10n54 | 1n 0 | 21n10 | 0s12 | 2s53 | 0n45 | 20s42 | 0n55 | 1n 8 | 17n21 | 14s56 | 14s36 | 16n40 | 17n18 | 6s 0 |
| S 2 | 22 13 | 22 39 | 5 2 | 16 20 | 3 3 | 26 8 | 2 54 | 21 40 | 0 9 | 10 52 | 1 0 | 21 9 | 0 11 | 2 53 | 0 45 | 20 42 | 0 55 | 1 8 | 17 21 | 14 58 | 14 37 | 16 43 | 17 18 | 6 0 |
| M 3 | 22 20 | 25 53 | 4 50 | 16 9 | 3 13 | 25 59 | 2 44 | 21 47 | 0 9 | 10 49 | 1 0 | 21 8 | 0 11 | 2 53 | 0 45 | 20 42 | 0 55 | 1 8 | 17 21 | 15 1 | 14 38 | 16 46 | 17 18 | 6 0 |
| T 4 | 22 27 | 27 16 | 4 18 | 16 1 | 3 21 | 25 49 | 2 34 | 21 55 | 0 10 | 10 47 | 1 0 | 21 7 | 0 11 | 2 53 | 0 45 | 20 43 | 0 55 | 1 8 | 17 20 | 15 4 | 14 39 | 16 48 | 17 18 | 6 0 |
| W 5 | 22 33 | 26 43 | 3 30 | 15 55 | 3 29 | 25 39 | 2 23 | 22 2 | 0 11 | 10 44 | 1 0 | 21 6 | 0 11 | 2 53 | 0 45 | 20 43 | 0 55 | 1 8 | 17 20 | 15 7 | 14 40 | 16 51 | 17 18 | 6 0 |
| T 6 | 22 39 | 24 25 | 2 30 | 15 51 | 3 35 | 25 28 | 2 11 | 22 9 | 0 11 | 10 42 | 1 0 | 21 5 | 0 11 | 2 52 | 0 44 | 20 43 | 0 55 | 1 8 | 17 20 | 15 8 | 14 41 | 16 53 | 17 18 | 6 0 |
| F 7 | 22 45 | 20 44 | 1 23 | 15 49 | 3 40 | 25 17 | 1 59 | 22 15 | 0 12 | 10 39 | 1 0 | 21 4 | 0 11 | 2 52 | 0 44 | 20 43 | 0 55 | 1 8 | 17 19 | 15 9 | 14 42 | 16 56 | 17 18 | 6 0 |
| S 8 | 22 50 | 16 6 | 0 13 | 15 49 | 3 44 | 25 5 | 1 47 | 22 21 | 0 12 | 10 37 | 1 0 | 21 3 | 0 11 | 2 52 | 0 44 | 20 43 | 0 55 | 1 8 | 17 19 | 15 10 | 14 43 | 16 59 | 17 18 | 6 0 |
| S 9 | 22 54 | 10 52 | 0n55 | 15 51 | 3 47 | 24 53 | 1 34 | 22 28 | 0 13 | 10 34 | 1 0 | 21 2 | 0 11 | 2 52 | 0 44 | 20 44 | 0 55 | 1 8 | 17 19 | 15 10 | 14 44 | 17 1 | 17 18 | 6 0 |
| M10 | 22 59 | 5 21 | 1 59 | 15 54 | 3 50 | 24 40 | 1 21 | 22 34 | 0 14 | 10 31 | 0 59 | 21 1 | 0 11 | 2 52 | 0 44 | 20 44 | 0 55 | 1 8 | 17 18 | 15 9 | 14 45 | 17 4 | 17 18 | 6 0 |
| T 11 | 23 3 | 0n14 | 2 56 | 16 0 | 3 51 | 24 27 | 1 8 | 22 39 | 0 14 | 10 29 | 0 59 | 21 0 | 0 11 | 2 52 | 0 44 | 20 44 | 0 55 | 1 8 | 17 18 | 15 9 | 14 46 | 17 6 | 17 18 | 6 0 |
| W12 | 23 6 | 5 42 | 3 45 | 16 7 | 3 51 | 24 13 | 0 54 | 22 45 | 0 15 | 10 26 | 0 59 | 20 58 | 0 11 | 2 52 | 0 44 | 20 44 | 0 55 | 1 8 | 17 17 | 15 10 | 14 47 | 17 9 | 17 18 | 6 0 |
| T 13 | 23 9 | 10 56 | 4 23 | 16 16 | 3 50 | 23 59 | 0 40 | 22 50 | 0 16 | 10 23 | 0 59 | 20 57 | 0 10 | 2 52 | 0 44 | 20 44 | 0 55 | 1 8 | 17 17 | 15 10 | 14 48 | 17 11 | 17 18 | 6 0 |
| F 14 | 23 12 | 15 44 | 4 49 | 16 26 | 3 49 | 23 45 | 0 26 | 22 55 | 0 16 | 10 20 | 0 59 | 20 56 | 0 10 | 2 52 | 0 44 | 20 45 | 0 55 | 1 8 | 17 17 | 15 12 | 14 49 | 17 14 | 17 18 | 6 0 |
| S 15 | 23 14 | 19 58 | 5 3 | 16 37 | 3 47 | 23 30 | 0 12 | 23 0 | 0 17 | 10 17 | 0 59 | 20 55 | 0 10 | 2 52 | 0 44 | 20 45 | 0 55 | 1 8 | 17 16 | 15 14 | 14 50 | 17 17 | 17 18 | 6 0 |
| S 16 | 23 16 | 23 25 | 5 4 | 16 50 | 3 44 | 23 16 | 0s 2 | 23 4 | 0 18 | 10 14 | 0 59 | 20 54 | 0 10 | 2 52 | 0 44 | 20 45 | 0 55 | 1 8 | 17 16 | 15 17 | 14 51 | 17 19 | 17 18 | 6 0 |
| M17 | 23 17 | 25 53 | 4 52 | 17 4 | 3 40 | 23 0 | 0 16 | 23 9 | 0 18 | 10 11 | 0 59 | 20 53 | 0 10 | 2 52 | 0 44 | 20 45 | 0 55 | 1 8 | 17 15 | 15 20 | 14 52 | 17 22 | 17 18 | 6 0 |
| T 18 | 23 18 | 27 9 | 4 26 | 17 19 | 3 35 | 22 45 | 0 31 | 23 13 | 0 19 | 10 8 | 0 59 | 20 51 | 0 10 | 2 52 | 0 44 | 20 45 | 0 55 | 1 7 | 17 15 | 15 23 | 14 53 | 17 24 | 17 17 | 6 0 |
| W19 | 23 19 | 27 6 | 3 47 | 17 35 | 3 30 | 22 30 | 0 45 | 23 17 | 0 19 | 10 5 | 0 59 | 20 50 | 0 10 | 2 52 | 0 44 | 20 46 | 0 55 | 1 7 | 17 14 | 15 25 | 14 54 | 17 27 | 17 17 | 6 0 |
| T 20 | 23 19 | 25 39 | 2 57 | 17 52 | 3 24 | 22 15 | 0 59 | 23 20 | 0 20 | 10 2 | 0 58 | 20 49 | 0 10 | 2 52 | 0 44 | 20 46 | 0 55 | 1 7 | 17 14 | 15 27 | 14 55 | 17 29 | 17 17 | 6 0 |
| F 21 | 23 19 | 22 51 | 1 57 | 18 9 | 3 18 | 22 0 | 1 13 | 23 24 | 0 21 | 9 59 | 0 58 | 20 48 | 0 10 | 2 53 | 0 44 | 20 46 | 0 55 | 1 7 | 17 13 | 15 28 | 14 56 | 17 32 | 17 17 | 6 0 |
| S 22 | 23 18 | 18 52 | 0 49 | 18 27 | 3 11 | 21 45 | 1 26 | 23 27 | 0 21 | 9 56 | 0 58 | 20 47 | 0 10 | 2 53 | 0 44 | 20 46 | 0 55 | 1 7 | 17 13 | 15 29 | 14 57 | 17 34 | 17 17 | 6 0 |
| S 23 | 23 17 | 13 53 | 0s22 | 18 45 | 3 3 | 21 30 | 1 39 | 23 30 | 0 22 | 9 52 | 0 58 | 20 45 | 0 9 | 2 53 | 0 44 | 20 47 | 0 55 | 1 7 | 17 13 | 15 29 | 14 58 | 17 37 | 17 17 | 6 0 |
| M24 | 23 15 | 8 11 | 1 33 | 19 4 | 2 55 | 21 15 | 1 52 | 23 32 | 0 22 | 9 49 | 0 58 | 20 44 | 0 9 | 2 53 | 0 44 | 20 47 | 0 55 | 1 6 | 17 12 | 15 29 | 14 59 | 17 39 | 17 17 | 6 0 |
| T 25 | 23 13 | 2 1 | 2 40 | 19 23 | 2 46 | 21 1 | 2 5 | 23 35 | 0 23 | 9 46 | 0 58 | 20 43 | 0 9 | 2 53 | 0 44 | 20 47 | 0 55 | 1 6 | 17 12 | 15 29 | 15 0 | 17 42 | 17 16 | 6 0 |
| W26 | 23 11 | 4s21 | 3 39 | 19 43 | 2 37 | 20 47 | 2 17 | 23 37 | 0 24 | 9 42 | 0 58 | 20 41 | 0 9 | 2 54 | 0 44 | 20 47 | 0 55 | 1 6 | 17 11 | 15 28 | 15 1 | 17 44 | 17 16 | 6 0 |
| T 27 | 23 8 | 10 35 | 4 26 | 20 2 | 2 28 | 20 34 | 2 29 | 23 39 | 0 24 | 9 39 | 0 58 | 20 40 | 0 9 | 2 54 | 0 44 | 20 47 | 0 55 | 1 6 | 17 11 | 15 28 | 15 2 | 17 47 | 17 16 | 6 0 |
| F 28 | 23 5 | 16 23 | 4 57 | 20 21 | 2 18 | 20 21 | 2 40 | 23 41 | 0 25 | 9 35 | 0 58 | 20 39 | 0 9 | 2 54 | 0 44 | 20 48 | 0 55 | 1 5 | 17 10 | 15 29 | 15 3 | 17 49 | 17 16 | 6 0 |
| S 29 | 23 2 | 21 19 | 5 10 | 20 40 | 2 8 | 20 9 | 2 50 | 23 43 | 0 26 | 9 32 | 0 58 | 20 37 | 0 9 | 2 54 | 0 43 | 20 48 | 0 55 | 1 5 | 17 10 | 15 30 | 15 4 | 17 52 | 17 15 | 6 0 |
| S 30 | 22n58 | 24s59 | 5s 3 | 20n58 | 1s57 | 19n57 | 3s 1 | 23n44 | 0n26 | 9n28 | 0n58 | 20n36 | 0s 9 | 2s55 | 0n43 | 20s48 | 0n55 | 1n 5 | 17n 9 | 15s32 | 15s 5 | 17n54 | 17n15 | 6s 0 |

Julian Day Number = 2808173.5, Delta T = 52m20s
Ecliptic obliquity = 23°18'53, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°24'30, Lahiri = 37°31'31


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# ASTRODIENST EPHEMERIS for the year 2976
# geocentric

## JULY 2976 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 40 8 | 10♋39'11 | 14♐38 | 21♊14 | 19°R57 | 28♊40 | 8♍ 1 | 26♋37 | 9♎ 5 | 20°R45 | 11°R46 | 17°R21 | 18♒50 | 5♉20 | 4♋ 3 | M 1 |
| T 2 | 18 44 5 | 11°36'31 | 29° 7 | 22°54 | 19♊41 | 29°22 | 8°11 | 26°44 | 9° 6 | 20♑44 | 11♏45 | 17♒16 | 18°47 | 5°26 | 4° 9 | T 2 |
| W 3 | 18 48 2 | 12°33'50 | 13♑23 | 24°37 | 19°27 | 0♋ 4 | 8°20 | 26°52 | 9° 7 | 20°42 | 11°45 | 17°12 | 18°44 | 5°33 | 4°14 | W 3 |
| T 4 | 18 51 58 | 13°31'09 | 27°21 | 26°23 | 19°15 | 0°46 | 8°30 | 26°59 | 9° 8 | 20°41 | 11°44 | 17° 9 | 18°41 | 5°40 | 4°19 | T 4 |
| F 5 | 18 55 55 | 14°28'27 | 10♒57 | 28°11 | 19° 6 | 1°28 | 8°40 | 27° 7 | 9° 9 | 20°39 | 11°43 | 17°D 7 | 18°37 | 5°46 | 4°24 | F 5 |
| S 6 | 18 59 51 | 15°25'44 | 24°10 | 0♋ 3 | 18°59 | 2° 9 | 8°50 | 27°15 | 9°10 | 20°37 | 11°43 | 17° 7 | 18°34 | 5°53 | 4°29 | S 6 |
| S 7 | 19 3 48 | 16°23'01 | 7♓ 1 | 1°56 | 18°55 | 2°51 | 9° 0 | 27°22 | 9°11 | 20°36 | 11°42 | 17° 8 | 18°31 | 6° 0 | 4°34 | S 7 |
| M 8 | 19 7 44 | 17°20'18 | 19°32 | 3°53 | 18°D53 | 3°33 | 9°10 | 27°30 | 9°13 | 20°34 | 11°42 | 17°10 | 18°28 | 6° 7 | 4°39 | M 8 |
| T 9 | 19 11 41 | 18°17'35 | 1♈46 | 5°52 | 18°53 | 4°15 | 9°20 | 27°38 | 9°14 | 20°32 | 11°42 | 17°11 | 18°25 | 6°13 | 4°44 | T 9 |
| W10 | 19 15 37 | 19°14'52 | 13°49 | 7°53 | 18°56 | 4°56 | 9°31 | 27°45 | 9°15 | 20°31 | 11°41 | 17°R12 | 18°21 | 6°20 | 4°50 | W10 |
| T 11 | 19 19 34 | 20°12'09 | 25°44 | 9°56 | 19° 1 | 5°38 | 9°41 | 27°53 | 9°16 | 20°29 | 11°41 | 17°12 | 18°18 | 6°27 | 4°55 | T 11 |
| F 12 | 19 23 31 | 21° 9'25 | 7♉37 | 12° 1 | 19° 8 | 6°19 | 9°52 | 28° 1 | 9°18 | 20°28 | 11°40 | 17°11 | 18°15 | 6°34 | 5° 0 | F 12 |
| S 13 | 19 27 27 | 22° 6'42 | 19°32 | 14° 7 | 19°17 | 7° 1 | 10° 2 | 28° 9 | 9°19 | 20°26 | 11°40 | 17° 9 | 18°12 | 6°40 | 5° 5 | S 13 |
| S 14 | 19 31 24 | 23° 3'59 | 1♊32 | 16°15 | 19°28 | 7°42 | 10°13 | 28°16 | 9°21 | 20°24 | 11°40 | 17° 6 | 18° 9 | 6°47 | 5°10 | S 14 |
| M15 | 19 35 20 | 24° 1'16 | 13°43 | 18°24 | 19°42 | 8°24 | 10°23 | 28°24 | 9°22 | 20°23 | 11°40 | 17° 2 | 18° 6 | 6°54 | 5°15 | M15 |
| T 16 | 19 39 17 | 24°58'32 | 26° 6 | 20°34 | 19°57 | 9° 5 | 10°34 | 28°32 | 9°24 | 20°21 | 11°40 | 16°59 | 18° 2 | 7° 0 | 5°20 | T 16 |
| W17 | 19 43 13 | 25°55'49 | 8♋42 | 22°45 | 20°14 | 9°46 | 10°45 | 28°40 | 9°25 | 20°20 | 11°39 | 16°56 | 17°59 | 7° 7 | 5°25 | W17 |
| T 18 | 19 47 10 | 26°53'06 | 21°34 | 24°55 | 20°34 | 10°27 | 10°56 | 28°47 | 9°27 | 20°18 | 11°39 | 16°53 | 17°56 | 7°14 | 5°30 | T 18 |
| F 19 | 19 51 6 | 27°50'22 | 4♌42 | 27° 6 | 20°55 | 11° 9 | 11° 7 | 28°55 | 9°29 | 20°16 | 11°39 | 16°52 | 17°53 | 7°21 | 5°35 | F 19 |
| S 20 | 19 55 3 | 28°47'39 | 18° 3 | 29°17 | 21°17 | 11°50 | 11°18 | 29° 3 | 9°31 | 20°15 | 11°39 | 16°D52 | 17°50 | 7°27 | 5°40 | S 20 |
| S 21 | 19 59 0 | 29°44'55 | 1♍38 | 1♌27 | 21°42 | 12°31 | 11°29 | 29°11 | 9°32 | 20°13 | 11°D39 | 16°52 | 17°47 | 7°34 | 5°44 | S 21 |
| M22 | 20 2 56 | 0♌42'11 | 15°25 | 3°36 | 22° 8 | 13°12 | 11°41 | 29°19 | 9°34 | 20°12 | 11°39 | 16°53 | 17°43 | 7°41 | 5°49 | M22 |
| T 23 | 20 6 53 | 1°39'27 | 29°21 | 5°44 | 22°35 | 13°53 | 11°52 | 29°26 | 9°36 | 20°10 | 11°39 | 16°54 | 17°40 | 7°47 | 5°54 | T 23 |
| W24 | 20 10 49 | 2°36'43 | 13♎25 | 7°51 | 23° 4 | 14°34 | 12° 3 | 29°34 | 9°38 | 20° 8 | 11°39 | 16°55 | 17°37 | 7°54 | 5°59 | W24 |
| T 25 | 20 14 46 | 3°33'58 | 27°36 | 9°56 | 23°35 | 15°14 | 12°15 | 29°42 | 9°40 | 20° 7 | 11°39 | 16°R56 | 17°34 | 8° 1 | 6° 4 | T 25 |
| F 26 | 20 18 42 | 4°31'14 | 11♏50 | 12° 0 | 24° 6 | 15°55 | 12°26 | 29°50 | 9°42 | 20° 5 | 11°40 | 16°56 | 17°31 | 8° 8 | 6° 9 | F 26 |
| S 27 | 20 22 39 | 5°28'29 | 26° 6 | 14° 3 | 24°40 | 16°36 | 12°38 | 29°57 | 9°44 | 20° 4 | 11°40 | 16°55 | 17°27 | 8°14 | 6°13 | S 27 |
| S 28 | 20 26 35 | 6°25'44 | 10♐20 | 16° 4 | 25°14 | 17°17 | 12°49 | 0♌ 5 | 9°47 | 20° 2 | 11°40 | 16°54 | 17°24 | 8°21 | 6°18 | S 28 |
| M29 | 20 30 32 | 7°23'00 | 24°29 | 18° 3 | 25°50 | 17°57 | 13° 1 | 0°13 | 9°49 | 20° 1 | 11°40 | 16°53 | 17°21 | 8°28 | 6°23 | M29 |
| T 30 | 20 34 29 | 8°20'15 | 8♑30 | 20° 1 | 26°27 | 18°38 | 13°13 | 0°21 | 9°51 | 19°59 | 11°40 | 16°52 | 17°18 | 8°35 | 6°27 | T 30 |
| W31 | 20 38 25 | 9♌17'30 | 22♑20 | 21♌57 | 27♊ 5 | 19♋19 | 13♍24 | 0♌28 | 9♎53 | 19♑58 | 11♏41 | 16♒51 | 17♒15 | 8♉41 | 6♋32 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n53 | 27s 0 | 4s36 | 21n16 | 1s46 | 19n46 | 3s10 | 23n45 | 0n27 | 9n25 | 0n58 | 20n35 | 0s 9 | 2s55 | 0n43 | 20s48 | 0n55 | 1n 5 | 17n 9 | 15s33 | 15s 6 | 17n57 | 17n15 | 6s 0 |
| T 2 | 22 49 | 27 10 | 3 52 | 21 33 | 1 35 | 19 36 | 3 19 | 23 46 | 0 27 | 9 21 | 0 57 | 20 33 | 0 9 | 2 56 | 0 43 | 20 49 | 0 55 | 1 4 | 17 8 | 15 35 | 15 7 | 17 59 | 17 15 | 6 0 |
| W 3 | 22 43 | 25 31 | 2 53 | 21 49 | 1 24 | 19 26 | 3 28 | 23 47 | 0 28 | 9 17 | 0 57 | 20 32 | 0 9 | 2 56 | 0 43 | 20 49 | 0 55 | 1 4 | 17 8 | 15 36 | 15 8 | 18 2 | 17 14 | 6 1 |
| T 4 | 22 38 | 22 19 | 1 46 | 22 4 | 1 12 | 19 17 | 3 36 | 23 47 | 0 29 | 9 14 | 0 57 | 20 31 | 0 8 | 2 56 | 0 43 | 20 49 | 0 55 | 1 4 | 17 7 | 15 37 | 15 9 | 18 4 | 17 14 | 6 1 |
| F 5 | 22 32 | 17 56 | 0 34 | 22 18 | 1 0 | 19 9 | 3 44 | 23 48 | 0 29 | 9 10 | 0 57 | 20 29 | 0 8 | 2 57 | 0 43 | 20 49 | 0 55 | 1 3 | 17 6 | 15 37 | 15 10 | 18 6 | 17 14 | 6 1 |
| S 6 | 22 26 | 12 48 | 0n38 | 22 30 | 0 49 | 19 2 | 3 51 | 23 48 | 0 30 | 9 6 | 0 57 | 20 28 | 0 8 | 2 57 | 0 43 | 20 50 | 0 55 | 1 3 | 17 6 | 15 37 | 15 11 | 18 9 | 17 14 | 6 1 |
| S 7 | 22 19 | 7 14 | 1 47 | 22 41 | 0 37 | 18 55 | 3 57 | 23 47 | 0 30 | 9 2 | 0 57 | 20 27 | 0 8 | 2 58 | 0 43 | 20 50 | 0 55 | 1 3 | 17 5 | 15 37 | 15 12 | 18 11 | 17 13 | 6 1 |
| M 8 | 22 12 | 1 33 | 2 48 | 22 50 | 0 25 | 18 48 | 4 3 | 23 47 | 0 31 | 8 58 | 0 57 | 20 25 | 0 8 | 2 58 | 0 43 | 20 50 | 0 55 | 1 2 | 17 5 | 15 37 | 15 13 | 18 14 | 17 13 | 6 1 |
| T 9 | 22 4 | 4n 4 | 3 40 | 22 57 | 0 14 | 18 43 | 4 9 | 23 46 | 0 31 | 8 54 | 0 57 | 20 24 | 0 8 | 2 59 | 0 43 | 20 50 | 0 55 | 1 2 | 17 4 | 15 36 | 15 14 | 18 16 | 17 13 | 6 1 |
| W10 | 21 56 | 9 27 | 4 22 | 23 2 | 0 2 | 18 38 | 4 14 | 23 45 | 0 32 | 8 51 | 0 57 | 20 22 | 0 8 | 2 59 | 0 43 | 20 51 | 0 55 | 1 1 | 17 4 | 15 36 | 15 15 | 18 19 | 17 12 | 6 2 |
| T 11 | 21 48 | 14 25 | 4 52 | 23 5 | 0n 9 | 18 34 | 4 19 | 23 44 | 0 33 | 8 47 | 0 57 | 20 21 | 0 8 | 3 0 | 0 43 | 20 51 | 0 55 | 1 1 | 17 3 | 15 36 | 15 16 | 18 21 | 17 12 | 6 2 |
| F 12 | 21 40 | 18 51 | 5 9 | 23 6 | 0 19 | 18 30 | 4 23 | 23 43 | 0 33 | 8 43 | 0 57 | 20 19 | 0 8 | 3 0 | 0 43 | 20 51 | 0 55 | 1 0 | 17 3 | 15 36 | 15 17 | 18 23 | 17 12 | 6 2 |
| S 13 | 21 31 | 22 33 | 5 13 | 23 4 | 0 30 | 18 27 | 4 27 | 23 42 | 0 34 | 8 39 | 0 57 | 20 18 | 0 8 | 3 1 | 0 43 | 20 51 | 0 55 | 1 0 | 17 2 | 15 37 | 15 18 | 18 26 | 17 11 | 6 2 |
| S 14 | 21 21 | 25 19 | 5 4 | 22 59 | 0 40 | 18 24 | 4 30 | 23 40 | 0 34 | 8 34 | 0 57 | 20 17 | 0 8 | 3 2 | 0 43 | 20 52 | 0 55 | 1 0 | 17 2 | 15 38 | 15 19 | 18 28 | 17 11 | 6 2 |
| M15 | 21 12 | 26 58 | 4 40 | 22 52 | 0 49 | 18 22 | 4 33 | 23 38 | 0 35 | 8 30 | 0 57 | 20 15 | 0 8 | 3 2 | 0 43 | 20 52 | 0 55 | 0 59 | 17 1 | 15 39 | 15 20 | 18 31 | 17 10 | 6 2 |
| T 16 | 21 1 | 27 19 | 4 4 | 22 42 | 0 58 | 18 21 | 4 36 | 23 36 | 0 36 | 8 26 | 0 57 | 20 14 | 0 7 | 3 3 | 0 43 | 20 52 | 0 55 | 0 59 | 17 0 | 15 40 | 15 21 | 18 33 | 17 10 | 6 3 |
| W17 | 20 51 | 26 16 | 3 15 | 22 30 | 1 6 | 18 20 | 4 38 | 23 33 | 0 36 | 8 22 | 0 56 | 20 12 | 0 7 | 3 4 | 0 43 | 20 52 | 0 55 | 0 58 | 17 0 | 15 41 | 15 22 | 18 35 | 17 10 | 6 3 |
| T 18 | 20 40 | 23 49 | 2 15 | 22 15 | 1 14 | 18 19 | 4 40 | 23 31 | 0 37 | 8 18 | 0 56 | 20 11 | 0 7 | 3 4 | 0 43 | 20 53 | 0 55 | 0 58 | 16 59 | 15 42 | 15 23 | 18 38 | 17 9 | 6 3 |
| F 19 | 20 29 | 20 4 | 1 7 | 21 57 | 1 21 | 18 19 | 4 42 | 23 28 | 0 37 | 8 14 | 0 56 | 20 9 | 0 7 | 3 5 | 0 43 | 20 53 | 0 55 | 0 57 | 16 59 | 15 42 | 15 24 | 18 40 | 17 9 | 6 3 |
| S 20 | 20 18 | 15 14 | 0s 7 | 21 37 | 1 27 | 18 19 | 4 43 | 23 25 | 0 38 | 8 9 | 0 56 | 20 8 | 0 7 | 3 6 | 0 43 | 20 53 | 0 55 | 0 56 | 16 58 | 15 42 | 15 25 | 18 43 | 17 8 | 6 3 |
| S 21 | 20 6 | 9 35 | 1 21 | 21 14 | 1 32 | 18 20 | 4 44 | 23 22 | 0 38 | 8 5 | 0 56 | 20 6 | 0 7 | 3 7 | 0 43 | 20 53 | 0 55 | 0 56 | 16 58 | 15 42 | 15 26 | 18 45 | 17 8 | 6 4 |
| M22 | 19 54 | 3 24 | 2 31 | 20 49 | 1 37 | 18 21 | 4 45 | 23 19 | 0 39 | 8 1 | 0 56 | 20 5 | 0 7 | 3 7 | 0 43 | 20 54 | 0 55 | 0 55 | 16 57 | 15 42 | 15 26 | 18 47 | 17 8 | 6 4 |
| T 23 | 19 41 | 3s 1 | 3 33 | 20 22 | 1 41 | 18 22 | 4 45 | 23 15 | 0 39 | 7 57 | 0 56 | 20 3 | 0 7 | 3 8 | 0 42 | 20 54 | 0 55 | 0 55 | 16 56 | 15 41 | 15 27 | 18 50 | 17 7 | 6 4 |
| W24 | 19 28 | 9 19 | 4 24 | 19 53 | 1 44 | 18 23 | 4 45 | 23 11 | 0 40 | 7 52 | 0 56 | 20 2 | 0 7 | 3 9 | 0 42 | 20 54 | 0 55 | 0 54 | 16 56 | 15 41 | 15 28 | 18 52 | 17 7 | 6 4 |
| T 25 | 19 15 | 15 12 | 4 58 | 19 22 | 1 46 | 18 25 | 4 45 | 23 7 | 0 41 | 7 48 | 0 56 | 20 0 | 0 7 | 3 10 | 0 42 | 20 54 | 0 55 | 0 54 | 16 55 | 15 41 | 15 29 | 18 54 | 17 6 | 6 5 |
| F 26 | 19 2 | 20 18 | 5 15 | 18 49 | 1 48 | 18 27 | 4 45 | 23 3 | 0 41 | 7 43 | 0 56 | 19 58 | 0 7 | 3 11 | 0 42 | 20 55 | 0 55 | 0 53 | 16 55 | 15 41 | 15 30 | 18 57 | 17 6 | 6 5 |
| S 27 | 18 48 | 24 14 | 5 12 | 18 15 | 1 48 | 18 29 | 4 44 | 22 59 | 0 42 | 7 39 | 0 56 | 19 57 | 0 6 | 3 11 | 0 42 | 20 55 | 0 55 | 0 52 | 16 54 | 15 41 | 15 31 | 18 59 | 17 5 | 6 5 |
| S 28 | 18 34 | 26 40 | 4 50 | 17 40 | 1 48 | 18 31 | 4 43 | 22 54 | 0 42 | 7 35 | 0 56 | 19 55 | 0 6 | 3 12 | 0 42 | 20 55 | 0 55 | 0 52 | 16 53 | 15 41 | 15 32 | 19 1 | 17 5 | 6 5 |
| M29 | 18 20 | 27 22 | 4 11 | 17 3 | 1 48 | 18 33 | 4 42 | 22 49 | 0 43 | 7 30 | 0 56 | 19 54 | 0 6 | 3 13 | 0 42 | 20 55 | 0 55 | 0 51 | 16 53 | 15 42 | 15 33 | 19 4 | 17 4 | 6 6 |
| T 30 | 18 5 | 26 19 | 3 17 | 16 25 | 1 47 | 18 35 | 4 41 | 22 45 | 0 43 | 7 26 | 0 56 | 19 52 | 0 6 | 3 14 | 0 42 | 20 56 | 0 55 | 0 51 | 16 52 | 15 42 | 15 34 | 19 6 | 17 4 | 6 6 |
| W31 | 17n50 | 23s38 | 2s12 | 15n46 | 1n45 | 18n38 | 4s39 | 22n39 | 0n44 | 7n21 | 0n56 | 19n51 | 0s 6 | 3s15 | 0n42 | 20s56 | 0n55 | 0n50 | 16n52 | 15s42 | 15s35 | 19n 8 | 17n 3 | 6s 6 |

Julian Day Number = 2808203.5, Delta T = 52m21s
Ecliptic obliquity = 23°18'52, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°24'34, Lahiri = 37°31'35


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# ASTRODIENST EPHEMERIS for the year 2976
# geocentric

## AUGUST 2976 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 42 22 | 10♌14'46 | 5♒55 | 23♌51 | 27♊44 | 19♋59 | 13♍36 | 0♌36 | 9♎55 | 19°R56 | 11♏41 | 16°R51 | 17♒12 | 8♉48 | 6♋37 | T 1 |
| F 2 | 20 46 18 | 11°12'02 | 19°14 | 25°43 | 28°24 | 20°40 | 13°48 | 0°44 | 9°58 | 19♑55 | 11°42 | 16°D51 | 17° 8 | 8°55 | 6°41 | F 2 |
| S 3 | 20 50 15 | 12° 9'18 | 2♓15 | 27°33 | 29° 5 | 21°20 | 14° 0 | 0°51 | 10° 0 | 19°53 | 11°42 | 16♒51 | 17° 5 | 9° 1 | 6°46 | S 3 |
| S 4 | 20 54 11 | 13° 6'35 | 14°59 | 29°21 | 29°48 | 22° 0 | 14°12 | 0°59 | 10° 3 | 19°52 | 11°42 | 16°51 | 17° 2 | 9° 8 | 6°50 | S 4 |
| M 5 | 20 58 8 | 14° 3'52 | 27°27 | 1♍ 8 | 0♋31 | 22°41 | 14°24 | 1° 7 | 10° 5 | 19°50 | 11°43 | 16°52 | 16°59 | 9°15 | 6°55 | M 5 |
| T 6 | 21 2 5 | 15° 1'10 | 9♈41 | 2°53 | 1°15 | 23°21 | 14°36 | 1°14 | 10° 8 | 19°49 | 11°43 | 16°52 | 16°56 | 9°22 | 6°59 | T 6 |
| W 7 | 21 6 1 | 15°58'29 | 21°44 | 4°36 | 2° 0 | 24° 1 | 14°48 | 1°22 | 10°10 | 19°47 | 11°44 | 16°52 | 16°53 | 9°28 | 7° 4 | W 7 |
| T 8 | 21 9 58 | 16°55'48 | 3♉40 | 6°17 | 2°46 | 24°41 | 15° 0 | 1°30 | 10°13 | 19°46 | 11°45 | 16°R52 | 16°49 | 9°35 | 7° 8 | T 8 |
| F 9 | 21 13 54 | 17°53'08 | 15°33 | 7°57 | 3°33 | 25°22 | 15°13 | 1°37 | 10°15 | 19°45 | 11°45 | 16°D52 | 16°46 | 9°42 | 7°12 | F 9 |
| S 10 | 21 17 51 | 18°50'30 | 27°28 | 9°34 | 4°21 | 26° 2 | 15°25 | 1°45 | 10°18 | 19°43 | 11°46 | 16°52 | 16°43 | 9°48 | 7°17 | S 10 |
| S 11 | 21 21 47 | 19°47'52 | 9♊30 | 11°10 | 5° 9 | 26°42 | 15°37 | 1°52 | 10°21 | 19°42 | 11°47 | 16°52 | 16°40 | 9°55 | 7°21 | S 11 |
| M12 | 21 25 44 | 20°45'15 | 21°42 | 12°44 | 5°58 | 27°22 | 15°50 | 2° 0 | 10°24 | 19°40 | 11°47 | 16°52 | 16°37 | 10° 2 | 7°25 | M12 |
| T 13 | 21 29 40 | 21°42'39 | 4♋ 9 | 14°16 | 6°48 | 28° 2 | 16° 2 | 2° 7 | 10°26 | 19°39 | 11°48 | 16°53 | 16°33 | 10° 9 | 7°29 | T 13 |
| W14 | 21 33 37 | 22°40'04 | 16°54 | 15°47 | 7°38 | 28°42 | 16°14 | 2°15 | 10°29 | 19°38 | 11°49 | 16°53 | 16°30 | 10°15 | 7°33 | W14 |
| T 15 | 21 37 34 | 23°37'30 | 29°58 | 17°15 | 8°29 | 29°21 | 16°27 | 2°22 | 10°32 | 19°37 | 11°50 | 16°54 | 16°27 | 10°22 | 7°37 | T 15 |
| F 16 | 21 41 30 | 24°34'56 | 13♌22 | 18°42 | 9°21 | 0♌ 1 | 16°39 | 2°30 | 10°35 | 19°35 | 11°51 | 16°R54 | 16°24 | 10°29 | 7°41 | F 16 |
| S 17 | 21 45 27 | 25°32'24 | 27° 6 | 20° 7 | 10°14 | 0°41 | 16°52 | 2°37 | 10°38 | 19°34 | 11°51 | 16°54 | 16°21 | 10°36 | 7°45 | S 17 |
| S 18 | 21 49 23 | 26°29'52 | 11♍ 7 | 21°30 | 11° 7 | 1°21 | 17° 4 | 2°44 | 10°41 | 19°33 | 11°52 | 16°53 | 16°18 | 10°42 | 7°49 | S 18 |
| M19 | 21 53 20 | 27°27'21 | 25°21 | 22°51 | 12° 0 | 2° 0 | 17°17 | 2°52 | 10°44 | 19°32 | 11°53 | 16°52 | 16°14 | 10°49 | 7°53 | M19 |
| T 20 | 21 57 16 | 28°24'51 | 9♎44 | 24°11 | 12°54 | 2°40 | 17°30 | 2°59 | 10°47 | 19°30 | 11°54 | 16°51 | 16°11 | 10°56 | 7°57 | T 20 |
| W21 | 22 1 13 | 29°22'22 | 24°10 | 25°28 | 13°49 | 3°20 | 17°42 | 3° 6 | 10°50 | 19°29 | 11°55 | 16°50 | 16° 8 | 11° 2 | 8° 1 | W21 |
| T 22 | 22 5 9 | 0♍19'53 | 8♏35 | 26°43 | 14°44 | 3°59 | 17°55 | 3°13 | 10°53 | 19°28 | 11°56 | 16°49 | 16° 5 | 11° 9 | 8° 5 | T 22 |
| F 23 | 22 9 6 | 1°17'25 | 22°54 | 27°56 | 15°40 | 4°39 | 18° 8 | 3°21 | 10°56 | 19°27 | 11°57 | 16°48 | 16° 2 | 11°16 | 8° 8 | F 23 |
| S 24 | 22 13 2 | 2°14'57 | 7♐ 5 | 29° 7 | 16°36 | 5°18 | 18°20 | 3°28 | 10°59 | 19°26 | 11°59 | 16°D48 | 15°59 | 11°23 | 8°12 | S 24 |
| S 25 | 22 16 59 | 3°12'31 | 21° 6 | 0♎15 | 17°32 | 5°57 | 18°33 | 3°35 | 11° 2 | 19°25 | 12° 0 | 16°48 | 15°55 | 11°29 | 8°16 | S 25 |
| M26 | 22 20 56 | 4°10'05 | 4♑54 | 1°22 | 18°29 | 6°37 | 18°46 | 3°42 | 11° 5 | 19°24 | 12° 1 | 16°49 | 15°52 | 11°36 | 8°19 | M26 |
| T 27 | 22 24 52 | 5° 7'40 | 18°31 | 2°25 | 19°27 | 7°16 | 18°59 | 3°49 | 11° 9 | 19°23 | 12° 2 | 16°51 | 15°49 | 11°43 | 8°23 | T 27 |
| W28 | 22 28 49 | 6° 5'16 | 1♒54 | 3°27 | 20°25 | 7°55 | 19°12 | 3°56 | 11°12 | 19°22 | 12° 3 | 16°52 | 15°46 | 11°49 | 8°26 | W28 |
| T 29 | 22 32 45 | 7° 2'53 | 15° 4 | 4°25 | 21°23 | 8°34 | 19°25 | 4° 3 | 11°15 | 19°21 | 12° 5 | 16°R52 | 15°43 | 11°56 | 8°30 | T 29 |
| F 30 | 22 36 42 | 8° 0'31 | 28° 1 | 5°21 | 22°22 | 9°14 | 19°37 | 4°10 | 11°18 | 19°20 | 12° 6 | 16°52 | 15°39 | 12° 3 | 8°33 | F 30 |
| S 31 | 22 40 38 | 8♍58'10 | 10♓46 | 6♎14 | 23♋21 | 9♌53 | 19♍50 | 4♌17 | 11♎22 | 19♑19 | 12♏ 7 | 16♒51 | 15♒36 | 12♉10 | 8♋36 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n35 | 19s40 | 1s 0 | 15n 7 | 1n42 | 18n40 | 4s38 | 22n34 | 0n44 | 7n16 | 0n56 | 19n49 | 0s 6 | 3s16 | 0n42 | 20s56 | 0n55 | 0n49 | 16n51 | 15s42 | 15s36 | 19n11 | 17n 3 | 6s 7 |
| F 2 | 17 19 | 14 46 | 0n13 | 14 26 | 1 39 | 18 43 | 4 36 | 22 29 | 0 45 | 7 12 | 0 56 | 19 48 | 0 6 | 3 17 | 0 42 | 20 56 | 0 55 | 0 49 | 16 51 | 15 42 | 15 37 | 19 13 | 17 2 | 6 7 |
| S 3 | 17 4 | 9 18 | 1 24 | 13 45 | 1 35 | 18 45 | 4 34 | 22 23 | 0 46 | 7 7 | 0 56 | 19 46 | 0 6 | 3 18 | 0 42 | 20 57 | 0 55 | 0 48 | 16 50 | 15 42 | 15 38 | 19 15 | 17 2 | 6 7 |
| S 4 | 16 48 | 3 35 | 2 30 | 13 4 | 1 31 | 18 47 | 4 31 | 22 17 | 0 46 | 7 3 | 0 56 | 19 44 | 0 6 | 3 19 | 0 42 | 20 57 | 0 55 | 0 47 | 16 49 | 15 42 | 15 39 | 19 18 | 17 1 | 6 8 |
| M 5 | 16 31 | 2n 9 | 3 26 | 12 22 | 1 27 | 18 50 | 4 29 | 22 11 | 0 47 | 6 58 | 0 56 | 19 43 | 0 6 | 3 20 | 0 42 | 20 57 | 0 55 | 0 47 | 16 49 | 15 42 | 15 40 | 19 20 | 17 1 | 6 8 |
| T 6 | 16 15 | 7 41 | 4 13 | 11 40 | 1 21 | 18 52 | 4 27 | 22 5 | 0 47 | 6 53 | 0 56 | 19 41 | 0 6 | 3 21 | 0 42 | 20 57 | 0 55 | 0 46 | 16 48 | 15 42 | 15 41 | 19 22 | 17 0 | 6 8 |
| W 7 | 15 58 | 12 52 | 4 47 | 10 57 | 1 16 | 18 54 | 4 24 | 21 58 | 0 48 | 6 49 | 0 56 | 19 40 | 0 6 | 3 22 | 0 42 | 20 57 | 0 55 | 0 45 | 16 48 | 15 42 | 15 42 | 19 24 | 17 0 | 6 9 |
| T 8 | 15 41 | 17 30 | 5 8 | 10 14 | 1 10 | 18 56 | 4 21 | 21 52 | 0 48 | 6 44 | 0 56 | 19 38 | 0 5 | 3 23 | 0 42 | 20 58 | 0 55 | 0 44 | 16 47 | 15 42 | 15 43 | 19 27 | 16 59 | 6 9 |
| F 9 | 15 24 | 21 27 | 5 17 | 9 31 | 1 3 | 18 58 | 4 18 | 21 45 | 0 49 | 6 39 | 0 56 | 19 36 | 0 5 | 3 24 | 0 42 | 20 58 | 0 55 | 0 44 | 16 47 | 15 42 | 15 44 | 19 29 | 16 58 | 6 9 |
| S 10 | 15 6 | 24 33 | 5 11 | 8 49 | 0 56 | 19 0 | 4 15 | 21 38 | 0 49 | 6 35 | 0 56 | 19 35 | 0 5 | 3 25 | 0 42 | 20 58 | 0 55 | 0 43 | 16 46 | 15 42 | 15 45 | 19 31 | 16 58 | 6 10 |
| S 11 | 14 48 | 26 35 | 4 53 | 8 6 | 0 49 | 19 1 | 4 12 | 21 31 | 0 50 | 6 30 | 0 56 | 19 33 | 0 5 | 3 26 | 0 42 | 20 58 | 0 55 | 0 42 | 16 45 | 15 42 | 15 46 | 19 33 | 16 57 | 6 10 |
| M12 | 14 30 | 27 23 | 4 20 | 7 23 | 0 41 | 19 2 | 4 9 | 21 24 | 0 50 | 6 25 | 0 56 | 19 32 | 0 5 | 3 27 | 0 42 | 20 59 | 0 55 | 0 41 | 16 45 | 15 42 | 15 47 | 19 36 | 16 57 | 6 10 |
| T 13 | 14 12 | 26 50 | 3 35 | 6 40 | 0 33 | 19 3 | 4 5 | 21 17 | 0 51 | 6 20 | 0 56 | 19 30 | 0 5 | 3 28 | 0 42 | 20 59 | 0 55 | 0 41 | 16 44 | 15 42 | 15 48 | 19 38 | 16 56 | 6 11 |
| W14 | 13 53 | 24 53 | 2 39 | 5 58 | 0 25 | 19 4 | 4 2 | 21 9 | 0 51 | 6 15 | 0 56 | 19 29 | 0 5 | 3 29 | 0 42 | 20 59 | 0 55 | 0 40 | 16 44 | 15 42 | 15 48 | 19 40 | 16 56 | 6 11 |
| T 15 | 13 35 | 21 33 | 1 32 | 5 16 | 0 17 | 19 5 | 3 58 | 21 1 | 0 52 | 6 11 | 0 56 | 19 27 | 0 5 | 3 31 | 0 42 | 20 59 | 0 55 | 0 39 | 16 43 | 15 41 | 15 49 | 19 42 | 16 55 | 6 11 |
| F 16 | 13 16 | 17 2 | 0 20 | 4 34 | 0 8 | 19 5 | 3 55 | 20 54 | 0 52 | 6 6 | 0 56 | 19 25 | 0 5 | 3 32 | 0 42 | 20 59 | 0 55 | 0 38 | 16 43 | 15 41 | 15 50 | 19 45 | 16 54 | 6 12 |
| S 17 | 12 56 | 11 32 | 0s56 | 3 53 | 0s 1 | 19 5 | 3 51 | 20 46 | 0 53 | 6 1 | 0 56 | 19 24 | 0 5 | 3 33 | 0 42 | 21 0 | 0 55 | 0 38 | 16 42 | 15 41 | 15 51 | 19 47 | 16 54 | 6 12 |
| S 18 | 12 37 | 5 21 | 2 10 | 3 12 | 0 10 | 19 5 | 3 47 | 20 37 | 0 53 | 5 56 | 0 56 | 19 22 | 0 5 | 3 34 | 0 42 | 21 0 | 0 55 | 0 37 | 16 41 | 15 42 | 15 52 | 19 49 | 16 53 | 6 13 |
| M19 | 12 18 | 1s11 | 3 17 | 2 31 | 0 20 | 19 4 | 3 43 | 20 29 | 0 54 | 5 51 | 0 56 | 19 21 | 0 5 | 3 35 | 0 42 | 21 0 | 0 55 | 0 36 | 16 41 | 15 42 | 15 53 | 19 51 | 16 53 | 6 13 |
| T 20 | 11 58 | 7 42 | 4 12 | 1 51 | 0 29 | 19 4 | 3 39 | 20 21 | 0 54 | 5 46 | 0 56 | 19 19 | 0 4 | 3 36 | 0 42 | 21 0 | 0 55 | 0 35 | 16 40 | 15 42 | 15 54 | 19 54 | 16 52 | 6 13 |
| W21 | 11 38 | 13 50 | 4 51 | 1 11 | 0 39 | 19 2 | 3 35 | 20 12 | 0 55 | 5 41 | 0 56 | 19 17 | 0 4 | 3 38 | 0 41 | 21 0 | 0 55 | 0 34 | 16 40 | 15 43 | 15 55 | 19 56 | 16 51 | 6 14 |
| T 22 | 11 18 | 19 13 | 5 12 | 0 33 | 0 49 | 19 1 | 3 31 | 20 3 | 0 55 | 5 36 | 0 56 | 19 16 | 0 4 | 3 39 | 0 41 | 21 1 | 0 55 | 0 34 | 16 39 | 15 43 | 15 56 | 19 58 | 16 51 | 6 14 |
| F 23 | 10 58 | 23 28 | 5 14 | 0s 6 | 0 59 | 18 59 | 3 26 | 19 54 | 0 56 | 5 31 | 0 56 | 19 14 | 0 4 | 3 40 | 0 41 | 21 1 | 0 55 | 0 33 | 16 39 | 15 43 | 15 57 | 20 0 | 16 50 | 6 15 |
| S 24 | 10 37 | 26 15 | 4 56 | 0 43 | 1 10 | 18 57 | 3 22 | 19 45 | 0 56 | 5 26 | 0 56 | 19 13 | 0 4 | 3 41 | 0 41 | 21 1 | 0 55 | 0 32 | 16 38 | 15 43 | 15 58 | 20 2 | 16 49 | 6 15 |
| S 25 | 10 17 | 27 21 | 4 21 | 1 20 | 1 20 | 18 54 | 3 18 | 19 36 | 0 57 | 5 21 | 0 56 | 19 11 | 0 4 | 3 43 | 0 41 | 21 1 | 0 54 | 0 31 | 16 38 | 15 43 | 15 59 | 20 5 | 16 49 | 6 15 |
| M26 | 9 56 | 26 44 | 3 31 | 1 55 | 1 31 | 18 51 | 3 13 | 19 27 | 0 57 | 5 16 | 0 56 | 19 10 | 0 4 | 3 44 | 0 41 | 21 1 | 0 54 | 0 30 | 16 37 | 15 43 | 16 0 | 20 7 | 16 48 | 6 16 |
| T 27 | 9 35 | 24 31 | 2 30 | 2 30 | 1 41 | 18 48 | 3 9 | 19 17 | 0 58 | 5 11 | 0 56 | 19 8 | 0 4 | 3 45 | 0 41 | 21 1 | 0 54 | 0 29 | 16 37 | 15 42 | 16 1 | 20 9 | 16 47 | 6 16 |
| W28 | 9 14 | 20 58 | 1 22 | 3 4 | 1 52 | 18 44 | 3 4 | 19 8 | 0 58 | 5 6 | 0 56 | 19 6 | 0 4 | 3 46 | 0 41 | 21 2 | 0 54 | 0 29 | 16 36 | 15 42 | 16 2 | 20 11 | 16 47 | 6 17 |
| T 29 | 8 53 | 16 23 | 0 10 | 3 37 | 2 2 | 18 40 | 3 0 | 18 58 | 0 59 | 5 1 | 0 56 | 19 5 | 0 4 | 3 48 | 0 41 | 21 2 | 0 54 | 0 28 | 16 36 | 15 42 | 16 3 | 20 13 | 16 46 | 6 17 |
| F 30 | 8 31 | 11 9 | 1n 1 | 4 9 | 2 13 | 18 35 | 2 55 | 18 48 | 0 59 | 4 56 | 0 56 | 19 3 | 0 4 | 3 49 | 0 41 | 21 2 | 0 54 | 0 27 | 16 35 | 15 42 | 16 4 | 20 15 | 16 45 | 6 18 |
| S 31 | 8n10 | 5s31 | 2n 8 | 4s39 | 2s23 | 18n30 | 2s51 | 18n39 | 1n 0 | 4n51 | 0n56 | 19n 2 | 0s 4 | 3s50 | 0n41 | 21s 2 | 0n54 | 0n26 | 16n34 | 15s42 | 16s 4 | 20n18 | 16n45 | 6s18 |

Julian Day Number = 2808234.5, Delta T = 52m21s
Ecliptic obliquity = 23°18'52, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°24'39, Lahiri = 37°31'39


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# ASTRODIENST EPHEMERIS for the year 2976
# geocentric

## SEPTEMBER 2976 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 44 35 | 9♍55'50 | 23♓17 | 7♎ 3 | 24♋21 | 10♌32 | 20♍ 3 | 4♌24 | 11♎25 | 19°R18 | 12♏ 9 | 16°R48 | 15♒33 | 12♉16 | 8♋40 | S 1 |
| M 2 | 22 48 31 | 10°53'31 | 5♈37 | 7°50 | 25°20 | 11°11 | 20°16 | 4°30 | 11°29 | 19♊17 | 12°10 | 16♒44 | 15°30 | 12°23 | 8°43 | M 2 |
| T 3 | 22 52 28 | 11°51'14 | 17°46 | 8°33 | 26°21 | 11°50 | 20°29 | 4°37 | 11°32 | 19°16 | 12°11 | 16°40 | 15°27 | 12°30 | 8°46 | T 3 |
| W 4 | 22 56 25 | 12°48'58 | 29°47 | 9°12 | 27°21 | 12°29 | 20°42 | 4°44 | 11°35 | 19°16 | 12°13 | 16°36 | 15°24 | 12°37 | 8°49 | W 4 |
| T 5 | 23 0 21 | 13°46'44 | 11♉42 | 9°47 | 28°22 | 13° 7 | 20°55 | 4°51 | 11°39 | 19°15 | 12°14 | 16°32 | 15°20 | 12°43 | 8°52 | T 5 |
| F 6 | 23 4 18 | 14°44'31 | 23°34 | 10°19 | 29°24 | 13°46 | 21° 8 | 4°57 | 11°42 | 19°14 | 12°16 | 16°30 | 15°17 | 12°50 | 8°55 | F 6 |
| S 7 | 23 8 14 | 15°42'21 | 5♊28 | 10°46 | 0♌25 | 14°25 | 21°21 | 5° 4 | 11°46 | 19°13 | 12°17 | 16°28 | 15°14 | 12°57 | 8°58 | S 7 |
| S 8 | 23 12 11 | 16°40'11 | 17°28 | 11° 8 | 1°27 | 15° 4 | 21°34 | 5°10 | 11°49 | 19°13 | 12°19 | 16°D27 | 15°11 | 13° 3 | 9° 1 | S 8 |
| M 9 | 23 16 7 | 17°38'04 | 29°38 | 11°26 | 2°30 | 15°42 | 21°47 | 5°17 | 11°53 | 19°12 | 12°20 | 16°28 | 15° 8 | 13°10 | 9° 3 | M 9 |
| T 10 | 23 20 4 | 18°35'58 | 12♋ 4 | 11°38 | 3°32 | 16°21 | 22° 0 | 5°23 | 11°56 | 19°11 | 12°22 | 16°29 | 15° 4 | 13°17 | 9° 6 | T 10 |
| W11 | 23 24 0 | 19°33'54 | 24°50 | 11°46 | 4°35 | 17° 0 | 22°13 | 5°29 | 12° 0 | 19°11 | 12°24 | 16°31 | 15° 1 | 13°24 | 9° 9 | W11 |
| T 12 | 23 27 57 | 20°31'51 | 7♌58 | 11°R47 | 5°38 | 17°38 | 22°26 | 5°36 | 12° 3 | 19°10 | 12°25 | 16°32 | 14°58 | 13°30 | 9°11 | T 12 |
| F 13 | 23 31 54 | 21°29'50 | 21°32 | 11°43 | 6°42 | 18°17 | 22°39 | 5°42 | 12° 7 | 19°10 | 12°27 | 16°R32 | 14°55 | 13°37 | 9°14 | F 13 |
| S 14 | 23 35 50 | 22°27'51 | 5♍30 | 11°33 | 7°45 | 18°55 | 22°52 | 5°48 | 12°11 | 19° 9 | 12°29 | 16°31 | 14°52 | 13°44 | 9°16 | S 14 |
| S 15 | 23 39 47 | 23°25'53 | 19°52 | 11°16 | 8°49 | 19°34 | 23° 5 | 5°54 | 12°14 | 19° 9 | 12°30 | 16°28 | 14°49 | 13°50 | 9°19 | S 15 |
| M16 | 23 43 43 | 24°23'57 | 4♎31 | 10°54 | 9°53 | 20°12 | 23°18 | 6° 0 | 12°18 | 19° 8 | 12°32 | 16°23 | 14°45 | 13°57 | 9°21 | M16 |
| T 17 | 23 47 40 | 25°22'03 | 19°21 | 10°25 | 10°58 | 20°50 | 23°31 | 6° 6 | 12°22 | 19° 8 | 12°34 | 16°18 | 14°42 | 14° 4 | 9°23 | T 17 |
| W18 | 23 51 36 | 26°20'09 | 4♏13 | 9°51 | 12° 3 | 21°29 | 23°44 | 6°12 | 12°25 | 19° 7 | 12°36 | 16°12 | 14°39 | 14°11 | 9°25 | W18 |
| T 19 | 23 55 33 | 27°18'18 | 18°59 | 9°10 | 13° 8 | 22° 7 | 23°57 | 6°18 | 12°29 | 19° 7 | 12°38 | 16° 6 | 14°36 | 14°17 | 9°28 | T 19 |
| F 20 | 23 59 29 | 28°16'28 | 3♐33 | 8°24 | 14°13 | 22°45 | 24°10 | 6°24 | 12°33 | 19° 7 | 12°39 | 16° 2 | 14°33 | 14°24 | 9°30 | F 20 |
| S 21 | 0 3 26 | 29°14'39 | 17°51 | 7°34 | 15°18 | 23°23 | 24°23 | 6°30 | 12°36 | 19° 6 | 12°41 | 16° 0 | 14°30 | 14°31 | 9°32 | S 21 |
| S 22 | 0 7 23 | 0♎12'52 | 1♑48 | 6°39 | 16°24 | 24° 1 | 24°36 | 6°35 | 12°40 | 19° 6 | 12°43 | 16°D 0 | 14°26 | 14°38 | 9°33 | S 22 |
| M23 | 0 11 19 | 1°11'06 | 15°27 | 5°42 | 17°30 | 24°39 | 24°49 | 6°41 | 12°44 | 19° 6 | 12°45 | 16° 0 | 14°23 | 14°44 | 9°35 | M23 |
| T 24 | 0 15 16 | 2° 9'21 | 28°47 | 4°42 | 18°36 | 25°17 | 25° 2 | 6°46 | 12°48 | 19° 6 | 12°47 | 16° 1 | 14°20 | 14°51 | 9°37 | T 24 |
| W25 | 0 19 12 | 3° 7'38 | 11♒50 | 3°42 | 19°42 | 25°55 | 25°15 | 6°52 | 12°51 | 19° 5 | 12°49 | 16°R 2 | 14°17 | 14°58 | 9°39 | W25 |
| T 26 | 0 23 9 | 4° 5'56 | 24°40 | 2°42 | 20°48 | 26°33 | 25°28 | 6°57 | 12°55 | 19° 5 | 12°51 | 16° 2 | 14°14 | 15° 4 | 9°40 | T 26 |
| F 27 | 0 27 5 | 5° 4'16 | 7♓17 | 1°44 | 21°55 | 27°11 | 25°41 | 7° 3 | 12°59 | 19° 5 | 12°53 | 16° 0 | 14°10 | 15°11 | 9°42 | F 27 |
| S 28 | 0 31 2 | 6° 2'38 | 19°44 | 0°50 | 23° 2 | 27°49 | 25°54 | 7° 8 | 13° 3 | 19° 5 | 12°55 | 15°55 | 14° 7 | 15°18 | 9°43 | S 28 |
| S 29 | 0 34 58 | 7° 1'01 | 2♈ 2 | 0° 0 | 24° 9 | 28°27 | 26° 7 | 7°13 | 13° 6 | 19° 5 | 12°57 | 15°49 | 14° 4 | 15°25 | 9°45 | S 29 |
| M30 | 0 38 55 | 7♎59'26 | 14♈12 | 29♍17 | 25♌16 | 29♌ 4 | 26♍20 | 7♌18 | 13♎10 | 19°D 5 | 12♏59 | 15♒40 | 14♒ 1 | 15♉31 | 9♋46 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n48 | 0n13 | 3n 7 | 5s 8 | 2s34 | 18n25 | 2s46 | 18n28 | 1n 0 | 4n46 | 0n56 | 19n 0 | 0s 3 | 3s52 | 0n41 | 21s 2 | 0n54 | 0n25 | 16n34 | 15s43 | 16s 5 | 20n20 | 16n44 | 6s19 |
| M 2 | 7 27 | 5 50 | 3 56 | 5 36 | 2 44 | 18 19 | 2 41 | 18 18 | 1 1 | 4 41 | 0 56 | 18 59 | 0 3 | 3 53 | 0 41 | 21 2 | 0 54 | 0 24 | 16 33 | 15 44 | 16 6 | 20 22 | 16 43 | 6 19 |
| T 3 | 7 5 | 11 10 | 4 34 | 6 3 | 2 54 | 18 13 | 2 37 | 18 8 | 1 1 | 4 36 | 0 56 | 18 57 | 0 3 | 3 54 | 0 41 | 21 3 | 0 54 | 0 23 | 16 33 | 15 45 | 16 7 | 20 24 | 16 43 | 6 20 |
| W 4 | 6 43 | 16 0 | 5 0 | 6 27 | 3 4 | 18 6 | 2 32 | 17 58 | 1 2 | 4 31 | 0 56 | 18 56 | 0 3 | 3 56 | 0 41 | 21 3 | 0 54 | 0 22 | 16 32 | 15 47 | 16 8 | 20 26 | 16 42 | 6 20 |
| T 5 | 6 21 | 20 12 | 5 12 | 6 50 | 3 14 | 17 59 | 2 27 | 17 47 | 1 2 | 4 26 | 0 56 | 18 54 | 0 3 | 3 57 | 0 41 | 21 3 | 0 54 | 0 22 | 16 32 | 15 48 | 16 9 | 20 28 | 16 41 | 6 21 |
| F 6 | 5 59 | 23 35 | 5 10 | 7 11 | 3 24 | 17 51 | 2 22 | 17 36 | 1 3 | 4 21 | 0 56 | 18 53 | 0 3 | 3 58 | 0 41 | 21 3 | 0 54 | 0 21 | 16 32 | 15 49 | 16 10 | 20 30 | 16 41 | 6 21 |
| S 7 | 5 36 | 25 57 | 4 56 | 7 30 | 3 33 | 17 43 | 2 18 | 17 26 | 1 3 | 4 16 | 0 56 | 18 51 | 0 3 | 4 0 | 0 41 | 21 3 | 0 54 | 0 20 | 16 31 | 15 49 | 16 11 | 20 32 | 16 40 | 6 22 |
| S 8 | 5 14 | 27 11 | 4 28 | 7 47 | 3 41 | 17 34 | 2 13 | 17 15 | 1 4 | 4 11 | 0 56 | 18 50 | 0 3 | 4 1 | 0 41 | 21 3 | 0 54 | 0 19 | 16 31 | 15 49 | 16 12 | 20 34 | 16 39 | 6 22 |
| M 9 | 4 52 | 27 7 | 3 48 | 8 1 | 3 50 | 17 25 | 2 8 | 17 4 | 1 4 | 4 6 | 0 56 | 18 48 | 0 3 | 4 3 | 0 41 | 21 3 | 0 54 | 0 18 | 16 30 | 15 49 | 16 13 | 20 37 | 16 39 | 6 23 |
| T 10 | 4 29 | 25 43 | 2 57 | 8 13 | 3 57 | 17 16 | 2 3 | 16 53 | 1 4 | 4 1 | 0 56 | 18 47 | 0 3 | 4 4 | 0 41 | 21 4 | 0 54 | 0 17 | 16 30 | 15 49 | 16 14 | 20 39 | 16 38 | 6 23 |
| W11 | 4 7 | 22 57 | 1 56 | 8 22 | 4 4 | 17 6 | 1 58 | 16 42 | 1 5 | 3 56 | 0 56 | 18 45 | 0 3 | 4 5 | 0 41 | 21 4 | 0 54 | 0 16 | 16 29 | 15 48 | 16 15 | 20 41 | 16 37 | 6 24 |
| T 12 | 3 44 | 18 56 | 0 47 | 8 29 | 4 10 | 16 56 | 1 53 | 16 30 | 1 5 | 3 51 | 0 56 | 18 44 | 0 3 | 4 7 | 0 41 | 21 4 | 0 54 | 0 15 | 16 29 | 15 48 | 16 16 | 20 43 | 16 37 | 6 24 |
| F 13 | 3 21 | 13 50 | 0s27 | 8 32 | 4 16 | 16 45 | 1 49 | 16 19 | 1 6 | 3 46 | 0 56 | 18 42 | 0 2 | 4 8 | 0 41 | 21 4 | 0 54 | 0 15 | 16 28 | 15 48 | 16 17 | 20 45 | 16 36 | 6 25 |
| S 14 | 2 59 | 7 52 | 1 41 | 8 32 | 4 20 | 16 34 | 1 44 | 16 8 | 1 6 | 3 41 | 0 56 | 18 41 | 0 2 | 4 10 | 0 41 | 21 4 | 0 54 | 0 14 | 16 28 | 15 48 | 16 18 | 20 47 | 16 35 | 6 25 |
| S 15 | 2 36 | 1 22 | 2 51 | 8 29 | 4 23 | 16 22 | 1 39 | 15 56 | 1 7 | 3 35 | 0 56 | 18 40 | 0 2 | 4 11 | 0 41 | 21 4 | 0 54 | 0 13 | 16 27 | 15 49 | 16 18 | 20 49 | 16 35 | 6 26 |
| M16 | 2 13 | 5s19 | 3 51 | 8 22 | 4 25 | 16 10 | 1 34 | 15 44 | 1 7 | 3 30 | 0 56 | 18 38 | 0 2 | 4 12 | 0 41 | 21 4 | 0 54 | 0 12 | 16 27 | 15 51 | 16 19 | 20 51 | 16 34 | 6 26 |
| T 17 | 1 50 | 11 47 | 4 36 | 8 11 | 4 26 | 15 57 | 1 30 | 15 33 | 1 8 | 3 25 | 0 56 | 18 37 | 0 2 | 4 14 | 0 41 | 21 4 | 0 54 | 0 11 | 16 27 | 15 52 | 16 20 | 20 53 | 16 33 | 6 27 |
| W18 | 1 27 | 17 36 | 5 3 | 7 56 | 4 25 | 15 44 | 1 25 | 15 21 | 1 8 | 3 20 | 0 56 | 18 35 | 0 2 | 4 15 | 0 41 | 21 4 | 0 54 | 0 10 | 16 26 | 15 54 | 16 21 | 20 55 | 16 33 | 6 27 |
| T 19 | 1 4 | 22 19 | 5 9 | 7 38 | 4 22 | 15 31 | 1 20 | 15 9 | 1 9 | 3 15 | 0 56 | 18 34 | 0 2 | 4 17 | 0 41 | 21 4 | 0 54 | 0 9 | 16 26 | 15 56 | 16 22 | 20 57 | 16 32 | 6 28 |
| F 20 | 0 41 | 25 35 | 4 55 | 7 16 | 4 18 | 15 17 | 1 15 | 14 57 | 1 9 | 3 10 | 0 56 | 18 33 | 0 2 | 4 18 | 0 41 | 21 5 | 0 54 | 0 8 | 16 25 | 15 57 | 16 23 | 20 59 | 16 31 | 6 28 |
| S 21 | 0 18 | 27 8 | 4 23 | 6 50 | 4 11 | 15 2 | 1 11 | 14 45 | 1 10 | 3 5 | 0 56 | 18 31 | 0 2 | 4 20 | 0 41 | 21 5 | 0 54 | 0 7 | 16 25 | 15 57 | 16 24 | 21 1 | 16 31 | 6 29 |
| S 22 | 0s 5 | 26 54 | 3 36 | 6 21 | 4 3 | 14 48 | 1 6 | 14 33 | 1 10 | 3 0 | 0 56 | 18 30 | 0 2 | 4 21 | 0 41 | 21 5 | 0 54 | 0 6 | 16 25 | 15 58 | 16 25 | 21 3 | 16 30 | 6 29 |
| M23 | 0 28 | 25 2 | 2 38 | 5 49 | 3 53 | 14 32 | 1 1 | 14 21 | 1 10 | 2 55 | 0 56 | 18 29 | 0 2 | 4 23 | 0 41 | 21 5 | 0 53 | 0 6 | 16 24 | 15 57 | 16 26 | 21 5 | 16 29 | 6 30 |
| T 24 | 0 51 | 21 48 | 1 32 | 5 15 | 3 41 | 14 17 | 0 57 | 14 8 | 1 11 | 2 50 | 0 57 | 18 28 | 0 2 | 4 24 | 0 41 | 21 5 | 0 53 | 0 5 | 16 24 | 15 57 | 16 27 | 21 7 | 16 29 | 6 31 |
| W25 | 1 14 | 17 31 | 0 23 | 4 38 | 3 27 | 14 1 | 0 52 | 13 56 | 1 11 | 2 45 | 0 57 | 18 26 | 0 1 | 4 25 | 0 41 | 21 5 | 0 53 | 0 4 | 16 24 | 15 57 | 16 28 | 21 9 | 16 28 | 6 31 |
| T 26 | 1 37 | 12 30 | 0n46 | 4 0 | 3 12 | 13 44 | 0 47 | 13 43 | 1 12 | 2 40 | 0 57 | 18 25 | 0 1 | 4 27 | 0 41 | 21 5 | 0 53 | 0 3 | 16 23 | 15 57 | 16 29 | 21 11 | 16 27 | 6 32 |
| F 27 | 2 0 | 7 3 | 1 52 | 3 22 | 2 55 | 13 27 | 0 43 | 13 31 | 1 12 | 2 35 | 0 57 | 18 24 | 0 1 | 4 28 | 0 41 | 21 5 | 0 53 | 0 2 | 16 23 | 15 58 | 16 29 | 21 13 | 16 27 | 6 32 |
| S 28 | 2 23 | 1 25 | 2 51 | 2 44 | 2 37 | 13 10 | 0 38 | 13 18 | 1 13 | 2 29 | 0 57 | 18 22 | 0 1 | 4 30 | 0 41 | 21 5 | 0 53 | 0 1 | 16 22 | 15 59 | 16 30 | 21 15 | 16 26 | 6 33 |
| S 29 | 2 46 | 4n11 | 3 41 | 2 7 | 2 18 | 12 52 | 0 34 | 13 6 | 1 13 | 2 24 | 0 57 | 18 21 | 0 1 | 4 31 | 0 41 | 21 5 | 0 53 | 0 0 | 16 22 | 16 1 | 16 31 | 21 17 | 16 25 | 6 33 |
| M30 | 3s 9 | 9n34 | 4n21 | 1s32 | 1s59 | 12n34 | 0s30 | 12n53 | 1n13 | 2n19 | 0n57 | 18n20 | 0s 1 | 4s33 | 0n41 | 21s 5 | 0n53 | 0s 1 | 16n22 | 16s 3 | 16s32 | 21n19 | 16n25 | 6s34 |

Julian Day Number = 2808265.5, Delta T = 52m22s
Ecliptic obliquity = 23°18'53, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°24'43, Lahiri = 37°31'43


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# ASTRODIENST EPHEMERIS for the year 2976
# geocentric

## OCTOBER 2976 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 42 52 | 8♎57'52 | 26♈14 | 28°R40 | 26♌23 | 29♌42 | 26♍32 | 7♌23 | 13♎14 | 19♑ 5 | 13♏ 1 | 15°R30 | 13♒58 | 15♉38 | 9♋47 | T 1 |
| W 2 | 0 46 48 | 9°56'21 | 8♉11 | 28♍12 | 27°31 | 0♍20 | 26°45 | 7°28 | 13°18 | 19° 5 | 13° 3 | 15♒20 | 13°55 | 15°45 | 9°49 | W 2 |
| T 3 | 0 50 45 | 10°54'52 | 20° 4 | 27°52 | 28°39 | 0°57 | 26°58 | 7°33 | 13°21 | 19° 5 | 13° 5 | 15°10 | 13°51 | 15°52 | 9°50 | T 3 |
| F 4 | 0 54 41 | 11°53'25 | 1♊55 | 27°42 | 29°47 | 1°35 | 27°11 | 7°38 | 13°25 | 19° 5 | 13° 8 | 15° 1 | 13°48 | 15°58 | 9°51 | F 4 |
| S 5 | 0 58 38 | 12°51'59 | 13°48 | 27°D41 | 0♍55 | 2°12 | 27°24 | 7°42 | 13°29 | 19° 6 | 13°10 | 14°55 | 13°45 | 16° 5 | 9°52 | S 5 |
| S 6 | 1 2 34 | 13°50'36 | 25°45 | 27°50 | 2° 3 | 2°50 | 27°37 | 7°47 | 13°33 | 19° 6 | 13°12 | 14°51 | 13°42 | 16°12 | 9°53 | S 6 |
| M 7 | 1 6 31 | 14°49'16 | 7♋53 | 28° 9 | 3°12 | 3°27 | 27°49 | 7°51 | 13°37 | 19° 6 | 13°14 | 14°49 | 13°39 | 16°18 | 9°53 | M 7 |
| T 8 | 1 10 27 | 15°47'57 | 20°15 | 28°37 | 4°20 | 4° 4 | 28° 2 | 7°56 | 13°40 | 19° 6 | 13°16 | 14°D49 | 13°36 | 16°25 | 9°54 | T 8 |
| W 9 | 1 14 24 | 16°46'40 | 2♌55 | 29°15 | 5°29 | 4°41 | 28°15 | 8° 0 | 13°44 | 19° 6 | 13°18 | 14°50 | 13°32 | 16°32 | 9°55 | W 9 |
| T 10 | 1 18 21 | 17°45'26 | 16° 0 | 0♎ 1 | 6°38 | 5°19 | 28°27 | 8° 5 | 13°48 | 19° 7 | 13°21 | 14°R50 | 13°29 | 16°39 | 9°55 | T 10 |
| F 11 | 1 22 17 | 18°44'14 | 29°33 | 0°55 | 7°47 | 5°56 | 28°40 | 8° 9 | 13°52 | 19° 7 | 13°23 | 14°49 | 13°26 | 16°45 | 9°56 | F 11 |
| S 12 | 1 26 14 | 19°43'04 | 13♍34 | 1°57 | 8°57 | 6°33 | 28°53 | 8°13 | 13°56 | 19° 8 | 13°25 | 14°46 | 13°23 | 16°52 | 9°56 | S 12 |
| S 13 | 1 30 10 | 20°41'56 | 28° 3 | 3° 6 | 10° 6 | 7°10 | 29° 5 | 8°17 | 13°59 | 19° 8 | 13°27 | 14°40 | 13°20 | 16°59 | 9°57 | S 13 |
| M14 | 1 34 7 | 21°40'50 | 12♎56 | 4°21 | 11°16 | 7°47 | 29°18 | 8°21 | 14° 3 | 19° 8 | 13°30 | 14°32 | 13°16 | 17° 5 | 9°57 | M14 |
| T 15 | 1 38 3 | 22°39'46 | 28° 4 | 5°41 | 12°25 | 8°24 | 29°30 | 8°25 | 14° 7 | 19° 9 | 13°32 | 14°23 | 13°13 | 17°12 | 9°57 | T 15 |
| W16 | 1 42 0 | 23°38'44 | 13♏18 | 7° 6 | 13°35 | 9° 1 | 29°43 | 8°28 | 14°11 | 19° 9 | 13°34 | 14°12 | 13°10 | 17°19 | 9°57 | W16 |
| T 17 | 1 45 56 | 24°37'44 | 28°26 | 8°35 | 14°45 | 9°38 | 29°55 | 8°32 | 14°14 | 19°10 | 13°37 | 14° 3 | 13° 7 | 17°26 | 9°R57 | T 17 |
| F 18 | 1 49 53 | 25°36'46 | 13♐19 | 10° 8 | 15°55 | 10°15 | 0♎ 7 | 8°36 | 14°18 | 19°11 | 13°39 | 13°55 | 13° 4 | 17°32 | 9°57 | F 18 |
| S 19 | 1 53 49 | 26°35'50 | 27°50 | 11°43 | 17° 5 | 10°51 | 0°20 | 8°39 | 14°22 | 19°11 | 13°41 | 13°50 | 13° 1 | 17°39 | 9°57 | S 19 |
| S 20 | 1 57 46 | 27°34'55 | 11♑55 | 13°22 | 18°16 | 11°28 | 0°32 | 8°42 | 14°26 | 19°12 | 13°44 | 13°47 | 12°57 | 17°46 | 9°57 | S 20 |
| M21 | 2 1 43 | 28°34'02 | 25°35 | 15° 2 | 19°26 | 12° 5 | 0°44 | 8°46 | 14°29 | 19°12 | 13°46 | 13°D46 | 12°54 | 17°53 | 9°57 | M21 |
| T 22 | 2 5 39 | 29°33'10 | 8♒50 | 16°43 | 20°37 | 12°41 | 0°56 | 8°49 | 14°33 | 19°13 | 13°48 | 13°R46 | 12°51 | 17°59 | 9°57 | T 22 |
| W23 | 2 9 36 | 0♏32'21 | 21°44 | 18°26 | 21°47 | 13°18 | 1° 8 | 8°52 | 14°37 | 19°14 | 13°51 | 13°46 | 12°48 | 18° 6 | 9°56 | W23 |
| T 24 | 2 13 32 | 1°31'33 | 4♓21 | 20°10 | 22°58 | 13°54 | 1°20 | 8°55 | 14°40 | 19°15 | 13°53 | 13°44 | 12°45 | 18°13 | 9°56 | T 24 |
| F 25 | 2 17 29 | 2°30'46 | 16°45 | 21°54 | 24° 9 | 14°31 | 1°33 | 8°58 | 14°44 | 19°15 | 13°55 | 13°40 | 12°42 | 18°19 | 9°55 | F 25 |
| S 26 | 2 21 25 | 3°30'02 | 28°59 | 23°39 | 25°20 | 15° 7 | 1°45 | 9° 0 | 14°48 | 19°16 | 13°58 | 13°34 | 12°38 | 18°26 | 9°54 | S 26 |
| S 27 | 2 25 22 | 4°29'19 | 11♈ 5 | 25°24 | 26°31 | 15°44 | 1°56 | 9° 3 | 14°51 | 19°17 | 14° 0 | 13°24 | 12°35 | 18°33 | 9°54 | S 27 |
| M28 | 2 29 18 | 5°28'38 | 23° 5 | 27° 8 | 27°42 | 16°20 | 2° 8 | 9° 6 | 14°55 | 19°18 | 14° 2 | 13°12 | 12°32 | 18°40 | 9°53 | M28 |
| T 29 | 2 33 15 | 6°27'59 | 5♉ 2 | 28°53 | 28°54 | 16°56 | 2°20 | 9° 8 | 14°59 | 19°19 | 14° 5 | 12°58 | 12°29 | 18°46 | 9°52 | T 29 |
| W30 | 2 37 12 | 7°27'22 | 16°55 | 0♏38 | 0♎ 5 | 17°32 | 2°32 | 9°11 | 15° 2 | 19°20 | 14° 7 | 12°43 | 12°26 | 18°53 | 9°51 | W30 |
| T 31 | 2 41 8 | 8♏26'47 | 28♉48 | 2♏22 | 1♎17 | 18♍ 8 | 2♎44 | 9♌13 | 15♎ 6 | 19♑21 | 14♏10 | 12♒29 | 12♒22 | 19♉ 0 | 9♋50 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 3s32 | 14n33 | 4n48 | 0s59 | 1s39 | 12n16 | 0s25 | 12n40 | 1n14 | 2n14 | 0n57 | 18n19 | 0s 1 | 4s34 | 0n41 | 21s 5 | 0n53 | 0s 2 | 16n21 | 16s 6 | 16s33 | 21n21 | 16n24 | 6s34 |
| W 2 | 3 55 | 18 56 | 5 2 | 0 29 | 1 19 | 11 57 | 0 21 | 12 28 | 1 14 | 2 9 | 0 57 | 18 18 | 0 1 | 4 36 | 0 41 | 21 5 | 0 53 | 0 2 | 16 21 | 16 9 | 16 34 | 21 23 | 16 23 | 6 35 |
| T 3 | 4 18 | 22 32 | 5 3 | 0 3 | 0 59 | 11 37 | 0 17 | 12 15 | 1 15 | 2 4 | 0 57 | 18 17 | 0 1 | 4 37 | 0 41 | 21 5 | 0 53 | 0 3 | 16 21 | 16 12 | 16 35 | 21 25 | 16 23 | 6 36 |
| F 4 | 4 41 | 25 12 | 4 52 | 0n18 | 0 39 | 11 18 | 0 12 | 12 2 | 1 15 | 1 59 | 0 57 | 18 15 | 0 1 | 4 39 | 0 41 | 21 5 | 0 53 | 0 4 | 16 21 | 16 15 | 16 36 | 21 27 | 16 22 | 6 36 |
| S 5 | 5 3 | 26 45 | 4 27 | 0 36 | 0 21 | 10 58 | 0 8 | 11 49 | 1 16 | 1 54 | 0 57 | 18 14 | 0 1 | 4 40 | 0 41 | 21 5 | 0 53 | 0 5 | 16 20 | 16 17 | 16 37 | 21 29 | 16 21 | 6 37 |
| S 6 | 5 26 | 27 6 | 3 51 | 0 48 | 0 3 | 10 38 | 0 4 | 11 36 | 1 16 | 1 49 | 0 57 | 18 13 | 0 0 | 4 42 | 0 41 | 21 5 | 0 53 | 0 6 | 16 20 | 16 18 | 16 38 | 21 31 | 16 21 | 6 37 |
| M 7 | 5 49 | 26 8 | 3 4 | 0 56 | 0n14 | 10 17 | 0n 0 | 11 23 | 1 16 | 1 44 | 0 57 | 18 12 | 0 0 | 4 43 | 0 41 | 21 5 | 0 53 | 0 7 | 16 20 | 16 18 | 16 39 | 21 33 | 16 20 | 6 38 |
| T 8 | 6 11 | 23 54 | 2 7 | 0 59 | 0 29 | 9 56 | 0 4 | 11 10 | 1 17 | 1 40 | 0 57 | 18 11 | 0 0 | 4 45 | 0 41 | 21 5 | 0 53 | 0 8 | 16 19 | 16 18 | 16 39 | 21 35 | 16 19 | 6 38 |
| W 9 | 6 34 | 20 26 | 1 3 | 0 58 | 0 43 | 9 35 | 0 8 | 10 56 | 1 17 | 1 35 | 0 58 | 18 10 | 0 0 | 4 46 | 0 41 | 21 5 | 0 53 | 0 9 | 16 19 | 16 18 | 16 40 | 21 37 | 16 19 | 6 39 |
| T 10 | 6 56 | 15 51 | 0s 6 | 0 51 | 0 56 | 9 13 | 0 12 | 10 43 | 1 18 | 1 30 | 0 58 | 18 9 | 0 0 | 4 47 | 0 41 | 21 5 | 0 53 | 0 9 | 16 19 | 16 18 | 16 41 | 21 39 | 16 18 | 6 40 |
| F 11 | 7 18 | 10 22 | 1 18 | 0 41 | 1 8 | 8 51 | 0 16 | 10 30 | 1 18 | 1 25 | 0 58 | 18 8 | 0 0 | 4 49 | 0 41 | 21 5 | 0 53 | 0 10 | 16 19 | 16 18 | 16 42 | 21 41 | 16 18 | 6 40 |
| S 12 | 7 40 | 4 10 | 2 27 | 0 26 | 1 18 | 8 29 | 0 20 | 10 17 | 1 19 | 1 20 | 0 58 | 18 7 | 0n 0 | 4 50 | 0 41 | 21 5 | 0 53 | 0 11 | 16 18 | 16 19 | 16 43 | 21 42 | 16 17 | 6 41 |
| S 13 | 8 2 | 2s25 | 3 28 | 0 7 | 1 27 | 8 6 | 0 23 | 10 3 | 1 19 | 1 15 | 0 58 | 18 6 | 0 0 | 4 52 | 0 41 | 21 5 | 0 53 | 0 12 | 16 18 | 16 21 | 16 44 | 21 44 | 16 16 | 6 41 |
| M14 | 8 24 | 9 2 | 4 18 | 0s16 | 1 35 | 7 43 | 0 27 | 9 50 | 1 19 | 1 10 | 0 58 | 18 5 | 0 0 | 4 53 | 0 41 | 21 5 | 0 53 | 0 13 | 16 18 | 16 23 | 16 45 | 21 46 | 16 16 | 6 42 |
| T 15 | 8 46 | 15 15 | 4 50 | 0 42 | 1 41 | 7 20 | 0 30 | 9 37 | 1 20 | 1 5 | 0 58 | 18 4 | 0 0 | 4 55 | 0 41 | 21 5 | 0 53 | 0 14 | 16 18 | 16 26 | 16 46 | 21 48 | 16 15 | 6 43 |
| W16 | 9 8 | 20 33 | 5 2 | 1 10 | 1 46 | 6 57 | 0 34 | 9 23 | 1 20 | 1 0 | 0 58 | 18 3 | 0 0 | 4 56 | 0 41 | 21 5 | 0 53 | 0 14 | 16 18 | 16 29 | 16 47 | 21 50 | 16 15 | 6 43 |
| T 17 | 9 30 | 24 28 | 4 53 | 1 42 | 1 50 | 6 33 | 0 37 | 9 10 | 1 21 | 0 56 | 0 58 | 18 3 | 0 1 | 4 58 | 0 41 | 21 5 | 0 53 | 0 15 | 16 17 | 16 32 | 16 48 | 21 52 | 16 14 | 6 44 |
| F 18 | 9 51 | 26 38 | 4 23 | 2 15 | 1 53 | 6 9 | 0 41 | 8 56 | 1 21 | 0 51 | 0 58 | 18 2 | 0 1 | 4 59 | 0 41 | 21 5 | 0 53 | 0 16 | 16 17 | 16 34 | 16 48 | 21 54 | 16 13 | 6 44 |
| S 19 | 10 12 | 26 56 | 3 38 | 2 51 | 1 55 | 5 45 | 0 44 | 8 43 | 1 22 | 0 46 | 0 59 | 18 1 | 0 1 | 5 1 | 0 41 | 21 5 | 0 52 | 0 17 | 16 17 | 16 35 | 16 49 | 21 56 | 16 13 | 6 45 |
| S 20 | 10 34 | 25 26 | 2 40 | 3 28 | 1 56 | 5 21 | 0 47 | 8 29 | 1 22 | 0 41 | 0 59 | 18 0 | 0 1 | 5 2 | 0 41 | 21 5 | 0 52 | 0 18 | 16 17 | 16 36 | 16 50 | 21 57 | 16 12 | 6 45 |
| M21 | 10 55 | 22 28 | 1 35 | 4 6 | 1 56 | 4 56 | 0 50 | 8 16 | 1 22 | 0 36 | 0 59 | 17 59 | 0 1 | 5 3 | 0 41 | 21 5 | 0 52 | 0 18 | 16 17 | 16 36 | 16 51 | 21 59 | 16 12 | 6 46 |
| T 22 | 11 15 | 18 23 | 0 26 | 4 46 | 1 55 | 4 31 | 0 54 | 8 2 | 1 23 | 0 32 | 0 59 | 17 59 | 0 1 | 5 5 | 0 41 | 21 5 | 0 52 | 0 19 | 16 17 | 16 36 | 16 52 | 22 1 | 16 11 | 6 47 |
| W23 | 11 36 | 13 31 | 0n42 | 5 26 | 1 54 | 4 6 | 0 57 | 7 49 | 1 23 | 0 27 | 0 59 | 17 58 | 0 1 | 5 6 | 0 41 | 21 5 | 0 52 | 0 20 | 16 16 | 16 36 | 16 53 | 22 3 | 16 11 | 6 47 |
| T 24 | 11 57 | 8 12 | 1 47 | 6 7 | 1 52 | 3 41 | 0 59 | 7 35 | 1 24 | 0 22 | 0 59 | 17 57 | 0 1 | 5 8 | 0 41 | 21 5 | 0 52 | 0 21 | 16 16 | 16 37 | 16 54 | 22 5 | 16 10 | 6 48 |
| F 25 | 12 17 | 2 40 | 2 45 | 6 48 | 1 49 | 3 16 | 1 2 | 7 21 | 1 24 | 0 18 | 0 59 | 17 57 | 0 1 | 5 9 | 0 41 | 21 5 | 0 52 | 0 22 | 16 16 | 16 38 | 16 55 | 22 7 | 16 10 | 6 48 |
| S 26 | 12 37 | 2n53 | 3 34 | 7 30 | 1 46 | 2 50 | 1 5 | 7 8 | 1 24 | 0 13 | 0 59 | 17 56 | 0 1 | 5 10 | 0 41 | 21 5 | 0 52 | 0 22 | 16 16 | 16 40 | 16 56 | 22 8 | 16 9 | 6 49 |
| S 27 | 12 57 | 8 15 | 4 14 | 8 11 | 1 42 | 2 25 | 1 8 | 6 54 | 1 25 | 0 9 | 0 59 | 17 55 | 0 2 | 5 12 | 0 41 | 21 4 | 0 52 | 0 23 | 16 16 | 16 43 | 16 56 | 22 10 | 16 9 | 6 49 |
| M28 | 13 17 | 13 17 | 4 41 | 8 53 | 1 38 | 1 59 | 1 10 | 6 41 | 1 25 | 0 4 | 1 0 | 17 55 | 0 2 | 5 13 | 0 41 | 21 4 | 0 52 | 0 24 | 16 16 | 16 46 | 16 57 | 22 12 | 16 8 | 6 50 |
| T 29 | 13 36 | 17 47 | 4 56 | 9 34 | 1 33 | 1 33 | 1 13 | 6 27 | 1 26 | 0s 1 | 1 0 | 17 54 | 0 2 | 5 15 | 0 41 | 21 4 | 0 52 | 0 25 | 16 16 | 16 50 | 16 58 | 22 14 | 16 8 | 6 51 |
| W30 | 13 56 | 21 34 | 4 58 | 10 15 | 1 28 | 1 7 | 1 15 | 6 13 | 1 26 | 0 5 | 1 0 | 17 54 | 0 2 | 5 16 | 0 41 | 21 4 | 0 52 | 0 25 | 16 16 | 16 54 | 16 59 | 22 16 | 16 7 | 6 51 |
| T 31 | 14s15 | 24n27 | 4n47 | 10s56 | 1n23 | 0n41 | 1n18 | 6n 0 | 1n26 | 0s10 | 1n 0 | 17n53 | 0n 2 | 5s17 | 0n41 | 21s 4 | 0n52 | 0s26 | 16n16 | 16s58 | 17s 0 | 22n17 | 16n 7 | 6s52 |

Julian Day Number = 2808295.5, Delta T = 52m23s
Ecliptic obliquity = 23°18'53, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°24'47, Lahiri = 37°31'48


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# ASTRODIENST EPHEMERIS for the year 2976
# geocentric

## NOVEMBER 2976 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 2 45 5 | 9♏26'15 | 10♊40 | 4♏ 5 | 2♎29 | 18♍44 | 2♎55 | 9♌15 | 15♎ 9 | 19♑22 | 14♏12 | 12°R17 | 12♒19 | 19♉ 6 | 9°R49 | F 1 |
| S 2 | 2 49 1 | 10°25'44 | 22°34 | 5°49 | 3°40 | 19°20 | 3° 7 | 9°17 | 15°13 | 19°23 | 14°15 | 12♒ 7 | 12°16 | 19°13 | 9♋48 | S 2 |
| S 3 | 2 52 58 | 11°25'16 | 4♋33 | 7°32 | 4°52 | 19°56 | 3°18 | 9°19 | 15°16 | 19°24 | 14°17 | 12° 0 | 12°13 | 19°20 | 9°46 | S 3 |
| M 4 | 2 56 54 | 12°24'50 | 16°40 | 9°14 | 6° 4 | 20°32 | 3°30 | 9°21 | 15°20 | 19°25 | 14°19 | 11°56 | 12°10 | 19°27 | 9°45 | M 4 |
| T 5 | 3 0 51 | 13°24'26 | 29° 0 | 10°56 | 7°16 | 21° 8 | 3°41 | 9°22 | 15°23 | 19°26 | 14°22 | 11°55 | 12° 7 | 19°33 | 9°44 | T 5 |
| W 6 | 3 4 47 | 14°24'04 | 11♌37 | 12°37 | 8°29 | 21°44 | 3°52 | 9°24 | 15°27 | 19°28 | 14°24 | 11°54 | 12° 3 | 19°40 | 9°42 | W 6 |
| T 7 | 3 8 44 | 15°23'44 | 24°35 | 14°18 | 9°41 | 22°19 | 4° 4 | 9°26 | 15°30 | 19°29 | 14°27 | 11°54 | 12° 0 | 19°47 | 9°41 | T 7 |
| F 8 | 3 12 41 | 16°23'27 | 8♍ 0 | 15°58 | 10°53 | 22°55 | 4°15 | 9°27 | 15°34 | 19°30 | 14°29 | 11°53 | 11°57 | 19°54 | 9°39 | F 8 |
| S 9 | 3 16 37 | 17°23'11 | 21°53 | 17°37 | 12° 6 | 23°30 | 4°26 | 9°28 | 15°37 | 19°31 | 14°31 | 11°50 | 11°54 | 20° 0 | 9°37 | S 9 |
| S 10 | 3 20 34 | 18°22'58 | 6♎16 | 19°16 | 13°18 | 24° 6 | 4°37 | 9°29 | 15°40 | 19°33 | 14°34 | 11°44 | 11°51 | 20° 7 | 9°36 | S 10 |
| M11 | 3 24 30 | 19°22'47 | 21° 6 | 20°55 | 14°31 | 24°41 | 4°48 | 9°31 | 15°44 | 19°34 | 14°36 | 11°35 | 11°47 | 20°14 | 9°34 | M11 |
| T 12 | 3 28 27 | 20°22'38 | 6♏16 | 22°33 | 15°43 | 25°17 | 4°59 | 9°32 | 15°47 | 19°35 | 14°39 | 11°25 | 11°44 | 20°20 | 9°32 | T 12 |
| W13 | 3 32 23 | 21°22'31 | 21°36 | 24°10 | 16°56 | 25°52 | 5°10 | 9°32 | 15°50 | 19°37 | 14°41 | 11°13 | 11°41 | 20°27 | 9°30 | W13 |
| T 14 | 3 36 20 | 22°22'27 | 6♐55 | 25°47 | 18° 9 | 26°27 | 5°20 | 9°33 | 15°54 | 19°38 | 14°44 | 11° 3 | 11°38 | 20°34 | 9°28 | T 14 |
| F 15 | 3 40 16 | 23°22'24 | 22° 2 | 27°24 | 19°22 | 27° 2 | 5°31 | 9°34 | 15°57 | 19°39 | 14°46 | 10°54 | 11°35 | 20°41 | 9°26 | F 15 |
| S 16 | 3 44 13 | 24°22'22 | 6♑47 | 29° 0 | 20°35 | 27°37 | 5°42 | 9°34 | 16° 0 | 19°41 | 14°48 | 10°47 | 11°32 | 20°47 | 9°24 | S 16 |
| S 17 | 3 48 10 | 25°22'23 | 21° 4 | 0♐35 | 21°48 | 28°12 | 5°52 | 9°35 | 16° 3 | 19°42 | 14°51 | 10°44 | 11°28 | 20°54 | 9°21 | S 17 |
| M18 | 3 52 6 | 26°22'24 | 4♒52 | 2°10 | 23° 1 | 28°47 | 6° 2 | 9°35 | 16° 6 | 19°44 | 14°53 | 10°D42 | 11°25 | 21° 1 | 9°19 | M18 |
| T 19 | 3 56 3 | 27°22'28 | 18°12 | 3°45 | 24°14 | 29°22 | 6°13 | 9°35 | 16° 9 | 19°45 | 14°55 | 10°42 | 11°22 | 21° 7 | 9°17 | T 19 |
| W20 | 3 59 59 | 28°22'32 | 1♓ 8 | 5°19 | 25°28 | 29°57 | 6°23 | 9°R35 | 16°12 | 19°47 | 14°58 | 10°R43 | 11°19 | 21°14 | 9°14 | W20 |
| T 21 | 4 3 56 | 29°22'38 | 13°42 | 6°53 | 26°41 | 0♎32 | 6°33 | 9°35 | 16°15 | 19°49 | 15° 0 | 10°42 | 11°16 | 21°21 | 9°12 | T 21 |
| F 22 | 4 7 52 | 0♐22'46 | 26° 1 | 8°26 | 27°54 | 1° 6 | 6°43 | 9°35 | 16°18 | 19°50 | 15° 3 | 10°39 | 11°13 | 21°28 | 9° 9 | F 22 |
| S 23 | 4 11 49 | 1°22'55 | 8♈ 8 | 10° 0 | 29° 8 | 1°41 | 6°53 | 9°35 | 16°21 | 19°52 | 15° 5 | 10°33 | 11° 9 | 21°34 | 9° 7 | S 23 |
| S 24 | 4 15 45 | 2°23'06 | 20° 7 | 11°32 | 0♏21 | 2°15 | 7° 3 | 9°34 | 16°24 | 19°53 | 15° 7 | 10°25 | 11° 6 | 21°41 | 9° 4 | S 24 |
| M25 | 4 19 42 | 3°23'18 | 2♉ 2 | 13° 5 | 1°35 | 2°50 | 7°12 | 9°34 | 16°27 | 19°55 | 15°10 | 10°14 | 11° 3 | 21°48 | 9° 1 | M25 |
| T 26 | 4 23 39 | 4°23'32 | 13°55 | 14°37 | 2°48 | 3°24 | 7°22 | 9°33 | 16°30 | 19°57 | 15°12 | 10° 1 | 11° 0 | 21°55 | 8°59 | T 26 |
| W27 | 4 27 35 | 5°23'47 | 25°47 | 16° 9 | 4° 2 | 3°58 | 7°31 | 9°32 | 16°33 | 19°59 | 15°14 | 9°48 | 10°57 | 22° 1 | 8°56 | W27 |
| T 28 | 4 31 32 | 6°24'05 | 7♊41 | 17°40 | 5°16 | 4°33 | 7°41 | 9°32 | 16°36 | 20° 0 | 15°17 | 9°36 | 10°53 | 22° 8 | 8°53 | T 28 |
| F 29 | 4 35 28 | 7°24'23 | 19°38 | 19°11 | 6°29 | 5° 7 | 7°50 | 9°31 | 16°38 | 20° 2 | 15°19 | 9°25 | 10°50 | 22°15 | 8°50 | F 29 |
| S 30 | 4 39 25 | 8♐24'44 | 1♋38 | 20♐42 | 7♏43 | 5♎41 | 7♎59 | 9♌30 | 16♎41 | 20♑ 4 | 15♏21 | 9♒17 | 10♒47 | 22♉21 | 8♋47 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14s34 | 26n17 | 4n24 | 11s36 | 1n17 | 0n15 | 1n20 | 5n46 | 1n27 | 0s14 | 1n 0 | 17n53 | 0n 2 | 5s19 | 0n41 | 21s 4 | 0n52 | 0s27 | 16n16 | 17s 2 | 17s 1 | 22n19 | 16n 6 | 6s52 |
| S 2 | 14 52 | 26 55 | 3 49 | 12 16 | 1 11 | 0s12 | 1 22 | 5 32 | 1 27 | 0 19 | 1 0 | 17 52 | 0 2 | 5 20 | 0 41 | 21 4 | 0 52 | 0 27 | 16 15 | 17 4 | 17 2 | 22 21 | 16 6 | 6 53 |
| S 3 | 15 11 | 26 17 | 3 3 | 12 55 | 1 5 | 0 38 | 1 24 | 5 19 | 1 28 | 0 23 | 1 0 | 17 52 | 0 2 | 5 21 | 0 41 | 21 4 | 0 52 | 0 28 | 16 15 | 17 6 | 17 3 | 22 23 | 16 5 | 6 53 |
| M 4 | 15 29 | 24 25 | 2 9 | 13 34 | 0 59 | 1 5 | 1 26 | 5 5 | 1 28 | 0 27 | 1 0 | 17 52 | 0 2 | 5 23 | 0 41 | 21 4 | 0 52 | 0 29 | 16 15 | 17 7 | 17 4 | 22 25 | 16 5 | 6 54 |
| T 5 | 15 47 | 21 21 | 1 8 | 14 12 | 0 53 | 1 31 | 1 28 | 4 51 | 1 28 | 0 32 | 1 1 | 17 51 | 0 2 | 5 24 | 0 41 | 21 4 | 0 52 | 0 30 | 16 15 | 17 8 | 17 4 | 22 26 | 16 4 | 6 54 |
| W 6 | 16 5 | 17 14 | 0 2 | 14 49 | 0 46 | 1 58 | 1 30 | 4 38 | 1 29 | 0 36 | 1 1 | 17 51 | 0 3 | 5 25 | 0 41 | 21 3 | 0 52 | 0 30 | 16 15 | 17 8 | 17 5 | 22 28 | 16 4 | 6 55 |
| T 7 | 16 22 | 12 13 | 1s 7 | 15 25 | 0 40 | 2 25 | 1 32 | 4 24 | 1 29 | 0 40 | 1 1 | 17 51 | 0 3 | 5 27 | 0 41 | 21 3 | 0 52 | 0 31 | 16 15 | 17 8 | 17 6 | 22 30 | 16 3 | 6 55 |
| F 8 | 16 39 | 6 28 | 2 13 | 16 0 | 0 33 | 2 51 | 1 33 | 4 10 | 1 30 | 0 45 | 1 1 | 17 50 | 0 3 | 5 28 | 0 41 | 21 3 | 0 52 | 0 32 | 16 15 | 17 8 | 17 7 | 22 31 | 16 3 | 6 56 |
| S 9 | 16 56 | 0 13 | 3 14 | 16 35 | 0 26 | 3 18 | 1 35 | 3 57 | 1 30 | 0 49 | 1 1 | 17 50 | 0 3 | 5 29 | 0 41 | 21 3 | 0 52 | 0 32 | 16 15 | 17 9 | 17 8 | 22 33 | 16 3 | 6 56 |
| S 10 | 17 13 | 6s14 | 4 5 | 17 8 | 0 19 | 3 45 | 1 36 | 3 43 | 1 30 | 0 53 | 1 1 | 17 50 | 0 3 | 5 30 | 0 41 | 21 3 | 0 52 | 0 33 | 16 15 | 17 11 | 17 9 | 22 35 | 16 2 | 6 57 |
| M11 | 17 29 | 12 32 | 4 42 | 17 41 | 0 13 | 4 11 | 1 38 | 3 29 | 1 31 | 0 57 | 1 1 | 17 50 | 0 3 | 5 32 | 0 41 | 21 3 | 0 52 | 0 33 | 16 15 | 17 13 | 17 10 | 22 37 | 16 2 | 6 57 |
| T 12 | 17 45 | 18 14 | 4 59 | 18 13 | 0 6 | 4 38 | 1 39 | 3 16 | 1 31 | 1 2 | 1 2 | 17 50 | 0 3 | 5 33 | 0 41 | 21 2 | 0 52 | 0 34 | 16 15 | 17 16 | 17 11 | 22 38 | 16 2 | 6 58 |
| W13 | 18 1 | 22 49 | 4 56 | 18 44 | 0s 1 | 5 5 | 1 40 | 3 2 | 1 32 | 1 6 | 1 2 | 17 49 | 0 3 | 5 34 | 0 41 | 21 2 | 0 52 | 0 35 | 16 15 | 17 19 | 17 11 | 22 40 | 16 1 | 6 58 |
| T 14 | 18 16 | 25 48 | 4 31 | 19 14 | 0 8 | 5 31 | 1 41 | 2 49 | 1 32 | 1 10 | 1 2 | 17 49 | 0 3 | 5 35 | 0 41 | 21 2 | 0 52 | 0 35 | 16 16 | 17 22 | 17 12 | 22 42 | 16 1 | 6 59 |
| F 15 | 18 31 | 26 51 | 3 47 | 19 43 | 0 15 | 5 58 | 1 42 | 2 35 | 1 32 | 1 14 | 1 2 | 17 49 | 0 3 | 5 37 | 0 41 | 21 2 | 0 52 | 0 36 | 16 16 | 17 24 | 17 13 | 22 43 | 16 0 | 6 59 |
| S 16 | 18 46 | 25 57 | 2 49 | 20 11 | 0 21 | 6 24 | 1 43 | 2 22 | 1 33 | 1 18 | 1 2 | 17 49 | 0 4 | 5 38 | 0 41 | 21 2 | 0 51 | 0 36 | 16 16 | 17 26 | 17 14 | 22 45 | 16 0 | 7 0 |
| S 17 | 19 0 | 23 21 | 1 42 | 20 37 | 0 28 | 6 50 | 1 44 | 2 8 | 1 33 | 1 22 | 1 2 | 17 49 | 0 4 | 5 39 | 0 41 | 21 2 | 0 51 | 0 37 | 16 16 | 17 27 | 17 15 | 22 47 | 16 0 | 7 0 |
| M18 | 19 14 | 19 27 | 0 31 | 21 3 | 0 35 | 7 16 | 1 45 | 1 55 | 1 33 | 1 26 | 1 3 | 17 49 | 0 4 | 5 40 | 0 41 | 21 1 | 0 51 | 0 38 | 16 16 | 17 28 | 17 16 | 22 48 | 15 59 | 7 1 |
| T 19 | 19 28 | 14 40 | 0n40 | 21 28 | 0 41 | 7 43 | 1 46 | 1 41 | 1 34 | 1 30 | 1 3 | 17 49 | 0 4 | 5 41 | 0 41 | 21 1 | 0 51 | 0 38 | 16 16 | 17 28 | 17 17 | 22 50 | 15 59 | 7 1 |
| W20 | 19 42 | 9 22 | 1 46 | 21 52 | 0 48 | 8 9 | 1 46 | 1 28 | 1 34 | 1 33 | 1 3 | 17 49 | 0 4 | 5 43 | 0 41 | 21 1 | 0 51 | 0 39 | 16 16 | 17 28 | 17 18 | 22 52 | 15 59 | 7 2 |
| T 21 | 19 55 | 3 50 | 2 45 | 22 14 | 0 54 | 8 34 | 1 47 | 1 14 | 1 35 | 1 37 | 1 3 | 17 49 | 0 4 | 5 44 | 0 41 | 21 1 | 0 51 | 0 39 | 16 16 | 17 28 | 17 18 | 22 53 | 15 59 | 7 2 |
| F 22 | 20 7 | 1n44 | 3 36 | 22 35 | 1 0 | 9 0 | 1 47 | 1 1 | 1 35 | 1 41 | 1 3 | 17 50 | 0 4 | 5 45 | 0 41 | 21 1 | 0 51 | 0 40 | 16 16 | 17 29 | 17 19 | 22 55 | 15 58 | 7 3 |
| S 23 | 20 20 | 7 8 | 4 16 | 22 56 | 1 6 | 9 26 | 1 48 | 0 48 | 1 35 | 1 45 | 1 3 | 17 50 | 0 4 | 5 46 | 0 41 | 21 0 | 0 51 | 0 40 | 16 16 | 17 30 | 17 20 | 22 57 | 15 58 | 7 3 |
| S 24 | 20 32 | 12 12 | 4 43 | 23 15 | 1 12 | 9 51 | 1 48 | 0 34 | 1 36 | 1 48 | 1 4 | 17 50 | 0 4 | 5 47 | 0 41 | 21 0 | 0 51 | 0 41 | 16 17 | 17 32 | 17 21 | 22 58 | 15 58 | 7 3 |
| M25 | 20 43 | 16 47 | 4 59 | 23 33 | 1 18 | 10 16 | 1 48 | 0 21 | 1 36 | 1 52 | 1 4 | 17 50 | 0 4 | 5 48 | 0 41 | 21 0 | 0 51 | 0 41 | 16 17 | 17 35 | 17 22 | 23 0 | 15 58 | 7 4 |
| T 26 | 20 55 | 20 43 | 5 1 | 23 49 | 1 24 | 10 41 | 1 48 | 0 8 | 1 37 | 1 56 | 1 4 | 17 50 | 0 5 | 5 49 | 0 41 | 21 0 | 0 51 | 0 42 | 16 17 | 17 39 | 17 23 | 23 2 | 15 57 | 7 4 |
| W27 | 21 5 | 23 48 | 4 50 | 24 5 | 1 30 | 11 6 | 1 48 | 0s 5 | 1 37 | 1 59 | 1 4 | 17 51 | 0 5 | 5 50 | 0 41 | 21 0 | 0 51 | 0 42 | 16 17 | 17 42 | 17 24 | 23 3 | 15 57 | 7 5 |
| T 28 | 21 16 | 25 52 | 4 27 | 24 19 | 1 35 | 11 30 | 1 48 | 0 18 | 1 37 | 2 3 | 1 4 | 17 51 | 0 5 | 5 51 | 0 41 | 20 59 | 0 51 | 0 43 | 16 17 | 17 45 | 17 25 | 23 5 | 15 57 | 7 5 |
| F 29 | 21 26 | 26 46 | 3 52 | 24 32 | 1 40 | 11 55 | 1 48 | 0 31 | 1 38 | 2 6 | 1 4 | 17 51 | 0 5 | 5 52 | 0 41 | 20 59 | 0 51 | 0 43 | 16 17 | 17 48 | 17 25 | 23 6 | 15 57 | 7 5 |
| S 30 | 21s36 | 26n24 | 3n 6 | 24s44 | 1s45 | 12s19 | 1n48 | 0s44 | 1n38 | 2s10 | 1n 5 | 17n52 | 0n 5 | 5s53 | 0n41 | 20s59 | 0n51 | 0s43 | 16n18 | 17s50 | 17s26 | 23n 8 | 15n57 | 7s 6 |

Julian Day Number = 2808326.5, Delta T = 52m23s
Ecliptic obliquity = 23°18'52, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°24'51, Lahiri = 37°31'52


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# ASTRODIENST EPHEMERIS for the year 2976
# geocentric

## DECEMBER 2976 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 43 21 | 9♐25'06 | 13♋44 | 22♐13 | 8♏57 | 6♎15 | 8♎ 8 | 9°R29 | 16♎44 | 20♑ 6 | 15♏23 | 9°R11 | 10♒44 | 22♉28 | 8°R44 | S 1 |
| M 2 | 4 47 18 | 10°25'30 | 25°59 | 23°43 | 10°11 | 6°48 | 8°17 | 9♌27 | 16°46 | 20° 8 | 15°26 | 9♒ 7 | 10°41 | 22°35 | 8♋41 | M 2 |
| T 3 | 4 51 15 | 11°25'55 | 8♌24 | 25°13 | 11°25 | 7°22 | 8°26 | 9°26 | 16°49 | 20° 9 | 15°28 | 9°D 6 | 10°38 | 22°42 | 8°38 | T 3 |
| W 4 | 4 55 11 | 12°26'23 | 21° 3 | 26°42 | 12°39 | 7°56 | 8°35 | 9°24 | 16°52 | 20°11 | 15°30 | 9° 7 | 10°34 | 22°48 | 8°35 | W 4 |
| T 5 | 4 59 8 | 13°26'52 | 4♍ 1 | 28°11 | 13°53 | 8°29 | 8°44 | 9°23 | 16°54 | 20°13 | 15°32 | 9° 8 | 10°31 | 22°55 | 8°32 | T 5 |
| F 6 | 5 3 4 | 14°27'23 | 17°19 | 29°40 | 15° 7 | 9° 3 | 8°52 | 9°21 | 16°57 | 20°15 | 15°34 | 9°R 8 | 10°28 | 23° 2 | 8°28 | F 6 |
| S 7 | 5 7 1 | 15°27'55 | 1♎ 2 | 1♑ 9 | 16°22 | 9°36 | 9° 0 | 9°19 | 16°59 | 20°17 | 15°37 | 9° 7 | 10°25 | 23° 8 | 8°25 | S 7 |
| S 8 | 5 10 57 | 16°28'29 | 15°11 | 2°37 | 17°36 | 10°10 | 9° 9 | 9°17 | 17° 1 | 20°19 | 15°39 | 9° 4 | 10°22 | 23°15 | 8°22 | S 8 |
| M 9 | 5 14 54 | 17°29'05 | 29°45 | 4° 4 | 18°50 | 10°43 | 9°17 | 9°15 | 17° 4 | 20°21 | 15°41 | 8°58 | 10°19 | 23°22 | 8°18 | M 9 |
| T 10 | 5 18 50 | 18°29'43 | 14♏39 | 5°31 | 20° 4 | 11°16 | 9°25 | 9°13 | 17° 6 | 20°23 | 15°43 | 8°51 | 10°15 | 23°29 | 8°15 | T 10 |
| W11 | 5 22 47 | 19°30'22 | 29°47 | 6°57 | 21°19 | 11°49 | 9°33 | 9°11 | 17° 8 | 20°25 | 15°45 | 8°43 | 10°12 | 23°35 | 8°11 | W11 |
| T 12 | 5 26 44 | 20°31'03 | 14♐58 | 8°23 | 22°33 | 12°22 | 9°41 | 9° 9 | 17°10 | 20°27 | 15°47 | 8°35 | 10° 9 | 23°42 | 8° 8 | T 12 |
| F 13 | 5 30 40 | 21°31'46 | 0♑ 3 | 9°47 | 23°47 | 12°55 | 9°48 | 9° 6 | 17°13 | 20°29 | 15°49 | 8°29 | 10° 6 | 23°49 | 8° 5 | F 13 |
| S 14 | 5 34 37 | 22°32'29 | 14°51 | 11°11 | 25° 2 | 13°27 | 9°56 | 9° 4 | 17°15 | 20°31 | 15°51 | 8°25 | 10° 3 | 23°56 | 8° 1 | S 14 |
| S 15 | 5 38 33 | 23°33'13 | 29°16 | 12°34 | 26°16 | 14° 0 | 10° 3 | 9° 1 | 17°17 | 20°33 | 15°53 | 8°22 | 10° 0 | 24° 2 | 7°57 | S 15 |
| M16 | 5 42 30 | 24°33'59 | 13♒13 | 13°55 | 27°31 | 14°32 | 10°10 | 8°58 | 17°19 | 20°35 | 15°55 | 8°D22 | 9°56 | 24° 9 | 7°54 | M16 |
| T 17 | 5 46 26 | 25°34'45 | 26°42 | 15°15 | 28°45 | 15° 5 | 10°17 | 8°56 | 17°21 | 20°37 | 15°57 | 8°23 | 9°53 | 24°16 | 7°50 | T 17 |
| W18 | 5 50 23 | 26°35'32 | 9♓44 | 16°33 | 0♐ 0 | 15°37 | 10°24 | 8°53 | 17°23 | 20°39 | 15°59 | 8°25 | 9°50 | 24°22 | 7°47 | W18 |
| T 19 | 5 54 19 | 27°36'20 | 22°23 | 17°49 | 1°15 | 16° 9 | 10°31 | 8°50 | 17°25 | 20°41 | 16° 1 | 8°R26 | 9°47 | 24°29 | 7°43 | T 19 |
| F 20 | 5 58 16 | 28°37'09 | 4♈44 | 19° 3 | 2°29 | 16°41 | 10°38 | 8°47 | 17°26 | 20°44 | 16° 3 | 8°26 | 9°44 | 24°36 | 7°39 | F 20 |
| S 21 | 6 2 13 | 29°37'59 | 16°51 | 20°15 | 3°44 | 17°13 | 10°44 | 8°43 | 17°28 | 20°46 | 16° 5 | 8°24 | 9°40 | 24°43 | 7°36 | S 21 |
| S 22 | 6 6 9 | 0♑38'49 | 28°49 | 21°24 | 4°59 | 17°45 | 10°50 | 8°40 | 17°30 | 20°48 | 16° 7 | 8°20 | 9°37 | 24°49 | 7°32 | S 22 |
| M23 | 6 10 6 | 1°39'41 | 10♉41 | 22°29 | 6°13 | 18°16 | 10°57 | 8°37 | 17°31 | 20°50 | 16° 9 | 8°15 | 9°34 | 24°56 | 7°28 | M23 |
| T 24 | 6 14 2 | 2°40'33 | 22°33 | 23°30 | 7°28 | 18°48 | 11° 3 | 8°33 | 17°33 | 20°52 | 16°11 | 8° 9 | 9°31 | 25° 3 | 7°25 | T 24 |
| W25 | 6 17 59 | 3°41'25 | 4♊26 | 24°26 | 8°43 | 19°19 | 11° 8 | 8°30 | 17°35 | 20°54 | 16°13 | 8° 2 | 9°28 | 25° 9 | 7°21 | W25 |
| T 26 | 6 21 55 | 4°42'19 | 16°23 | 25°18 | 9°57 | 19°51 | 11°14 | 8°26 | 17°36 | 20°57 | 16°14 | 7°56 | 9°25 | 25°16 | 7°17 | T 26 |
| F 27 | 6 25 52 | 5°43'14 | 28°27 | 26° 3 | 11°12 | 20°22 | 11°20 | 8°22 | 17°38 | 20°59 | 16°16 | 7°50 | 9°21 | 25°23 | 7°13 | F 27 |
| S 28 | 6 29 49 | 6°44'09 | 10♋38 | 26°42 | 12°27 | 20°53 | 11°25 | 8°19 | 17°39 | 21° 1 | 16°18 | 7°46 | 9°18 | 25°30 | 7°10 | S 28 |
| S 29 | 6 33 45 | 7°45'05 | 22°58 | 27°14 | 13°42 | 21°24 | 11°30 | 8°15 | 17°40 | 21° 3 | 16°20 | 7°43 | 9°15 | 25°36 | 7° 6 | S 29 |
| M30 | 6 37 42 | 8°46'02 | 5♌27 | 27°36 | 14°57 | 21°54 | 11°35 | 8°11 | 17°42 | 21° 5 | 16°21 | 7°D42 | 9°12 | 25°43 | 7° 2 | M30 |
| T 31 | 6 41 38 | 9♑47'00 | 18♌ 7 | 27♑50 | 16♐12 | 22♎25 | 11♎40 | 8♌ 7 | 17♎43 | 21♑ 8 | 16♏23 | 7♒43 | 9♒ 9 | 25♉50 | 6♋58 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s45 | 24n47 | 2n11 | 24s55 | 1s50 | 12s43 | 1n47 | 0s57 | 1n39 | 2s13 | 1n 5 | 17n52 | 0n 5 | 5s54 | 0n41 | 20s59 | 0n51 | 0s44 | 16n18 | 17s52 | 17s27 | 23n10 | 15n56 | 7s 6 |
| M 2 | 21 54 | 21 59 | 1 10 | 25 4 | 1 55 | 13 6 | 1 47 | 1 10 | 1 39 | 2 16 | 1 5 | 17 53 | 0 5 | 5 55 | 0 41 | 20 58 | 0 51 | 0 44 | 16 18 | 17 53 | 17 28 | 23 11 | 15 56 | 7 7 |
| T 3 | 22 2 | 18 8 | 0 4 | 25 12 | 1 59 | 13 29 | 1 47 | 1 23 | 1 39 | 2 20 | 1 5 | 17 53 | 0 5 | 5 56 | 0 41 | 20 58 | 0 51 | 0 45 | 16 18 | 17 53 | 17 29 | 23 13 | 15 56 | 7 7 |
| W 4 | 22 10 | 13 24 | 1s 4 | 25 19 | 2 3 | 13 52 | 1 46 | 1 36 | 1 40 | 2 23 | 1 5 | 17 54 | 0 5 | 5 57 | 0 41 | 20 58 | 0 51 | 0 45 | 16 18 | 17 53 | 17 30 | 23 14 | 15 56 | 7 7 |
| T 5 | 22 18 | 7 59 | 2 9 | 25 25 | 2 7 | 14 15 | 1 45 | 1 49 | 1 40 | 2 26 | 1 6 | 17 54 | 0 6 | 5 58 | 0 42 | 20 58 | 0 51 | 0 45 | 16 19 | 17 53 | 17 31 | 23 16 | 15 56 | 7 8 |
| F 6 | 22 25 | 2 4 | 3 10 | 25 29 | 2 10 | 14 37 | 1 45 | 2 2 | 1 40 | 2 29 | 1 6 | 17 55 | 0 6 | 5 59 | 0 42 | 20 57 | 0 51 | 0 46 | 16 19 | 17 53 | 17 31 | 23 17 | 15 56 | 7 8 |
| S 7 | 22 32 | 4s 7 | 4 2 | 25 32 | 2 13 | 14 59 | 1 44 | 2 14 | 1 41 | 2 32 | 1 6 | 17 55 | 0 6 | 6 0 | 0 42 | 20 57 | 0 51 | 0 46 | 16 19 | 17 53 | 17 32 | 23 19 | 15 56 | 7 8 |
| S 8 | 22 38 | 10 16 | 4 41 | 25 34 | 2 16 | 15 21 | 1 43 | 2 27 | 1 41 | 2 35 | 1 6 | 17 56 | 0 6 | 6 1 | 0 42 | 20 57 | 0 51 | 0 46 | 16 19 | 17 54 | 17 33 | 23 21 | 15 55 | 7 8 |
| M 9 | 22 44 | 16 3 | 5 3 | 25 34 | 2 19 | 15 42 | 1 42 | 2 40 | 1 42 | 2 38 | 1 6 | 17 57 | 0 6 | 6 2 | 0 42 | 20 57 | 0 51 | 0 47 | 16 20 | 17 55 | 17 34 | 23 22 | 15 55 | 7 9 |
| T 10 | 22 49 | 21 0 | 5 5 | 25 33 | 2 21 | 16 3 | 1 41 | 2 52 | 1 42 | 2 41 | 1 7 | 17 57 | 0 6 | 6 2 | 0 42 | 20 56 | 0 51 | 0 47 | 16 20 | 17 57 | 17 35 | 23 24 | 15 55 | 7 9 |
| W11 | 22 54 | 24 40 | 4 46 | 25 30 | 2 23 | 16 23 | 1 40 | 3 5 | 1 42 | 2 44 | 1 7 | 17 58 | 0 6 | 6 3 | 0 42 | 20 56 | 0 51 | 0 47 | 16 20 | 17 59 | 17 36 | 23 25 | 15 55 | 7 9 |
| T 12 | 22 59 | 26 34 | 4 8 | 25 27 | 2 24 | 16 43 | 1 39 | 3 17 | 1 43 | 2 47 | 1 7 | 17 59 | 0 6 | 6 4 | 0 42 | 20 56 | 0 51 | 0 48 | 16 20 | 18 1 | 17 37 | 23 27 | 15 55 | 7 10 |
| F 13 | 23 3 | 26 30 | 3 12 | 25 22 | 2 25 | 17 3 | 1 38 | 3 29 | 1 43 | 2 50 | 1 7 | 17 59 | 0 6 | 6 5 | 0 42 | 20 56 | 0 51 | 0 48 | 16 21 | 18 3 | 17 37 | 23 28 | 15 55 | 7 10 |
| S 14 | 23 6 | 24 32 | 2 4 | 25 16 | 2 25 | 17 22 | 1 36 | 3 42 | 1 43 | 2 53 | 1 8 | 18 0 | 0 7 | 6 6 | 0 42 | 20 55 | 0 51 | 0 48 | 16 21 | 18 4 | 17 38 | 23 30 | 15 55 | 7 10 |
| S 15 | 23 9 | 21 0 | 0 49 | 25 8 | 2 25 | 17 41 | 1 35 | 3 54 | 1 44 | 2 55 | 1 8 | 18 1 | 0 7 | 6 6 | 0 42 | 20 55 | 0 51 | 0 48 | 16 21 | 18 5 | 17 39 | 23 31 | 15 55 | 7 10 |
| M16 | 23 12 | 16 21 | 0n26 | 24 59 | 2 25 | 17 59 | 1 34 | 4 6 | 1 44 | 2 58 | 1 8 | 18 2 | 0 7 | 6 7 | 0 42 | 20 55 | 0 51 | 0 49 | 16 22 | 18 5 | 17 40 | 23 33 | 15 55 | 7 10 |
| T 17 | 23 14 | 11 1 | 1 38 | 24 49 | 2 23 | 18 17 | 1 32 | 4 18 | 1 45 | 3 0 | 1 8 | 18 3 | 0 7 | 6 8 | 0 42 | 20 54 | 0 51 | 0 49 | 16 22 | 18 4 | 17 41 | 23 34 | 15 55 | 7 11 |
| W18 | 23 16 | 5 23 | 2 42 | 24 38 | 2 21 | 18 34 | 1 31 | 4 30 | 1 45 | 3 3 | 1 8 | 18 3 | 0 7 | 6 9 | 0 42 | 20 54 | 0 51 | 0 49 | 16 22 | 18 4 | 17 42 | 23 36 | 15 55 | 7 11 |
| T 19 | 23 18 | 0n18 | 3 36 | 24 26 | 2 19 | 18 51 | 1 29 | 4 42 | 1 45 | 3 5 | 1 9 | 18 4 | 0 7 | 6 9 | 0 42 | 20 54 | 0 51 | 0 49 | 16 23 | 18 4 | 17 42 | 23 37 | 15 55 | 7 11 |
| F 20 | 23 18 | 5 50 | 4 19 | 24 12 | 2 16 | 19 7 | 1 27 | 4 54 | 1 46 | 3 8 | 1 9 | 18 5 | 0 7 | 6 10 | 0 42 | 20 54 | 0 51 | 0 49 | 16 23 | 18 4 | 17 43 | 23 38 | 15 55 | 7 11 |
| S 21 | 23 19 | 11 2 | 4 49 | 23 58 | 2 12 | 19 23 | 1 26 | 5 5 | 1 46 | 3 10 | 1 9 | 18 6 | 0 7 | 6 11 | 0 42 | 20 53 | 0 51 | 0 49 | 16 23 | 18 4 | 17 44 | 23 40 | 15 55 | 7 11 |
| S 22 | 23 19 | 15 46 | 5 6 | 23 43 | 2 7 | 19 38 | 1 24 | 5 17 | 1 47 | 3 12 | 1 9 | 18 7 | 0 7 | 6 11 | 0 42 | 20 53 | 0 51 | 0 50 | 16 24 | 18 5 | 17 45 | 23 41 | 15 55 | 7 11 |
| M23 | 23 18 | 19 52 | 5 10 | 23 26 | 2 1 | 19 53 | 1 22 | 5 29 | 1 47 | 3 14 | 1 10 | 18 8 | 0 8 | 6 12 | 0 42 | 20 53 | 0 51 | 0 50 | 16 24 | 18 6 | 17 46 | 23 43 | 15 55 | 7 12 |
| T 24 | 23 17 | 23 9 | 5 1 | 23 9 | 1 54 | 20 7 | 1 20 | 5 40 | 1 47 | 3 17 | 1 10 | 18 9 | 0 8 | 6 12 | 0 42 | 20 52 | 0 51 | 0 50 | 16 24 | 18 8 | 17 47 | 23 44 | 15 55 | 7 12 |
| W25 | 23 16 | 25 29 | 4 38 | 22 52 | 1 47 | 20 21 | 1 18 | 5 52 | 1 48 | 3 19 | 1 10 | 18 10 | 0 8 | 6 13 | 0 42 | 20 52 | 0 51 | 0 50 | 16 25 | 18 10 | 17 47 | 23 46 | 15 55 | 7 12 |
| T 26 | 23 14 | 26 40 | 4 4 | 22 34 | 1 38 | 20 34 | 1 16 | 6 3 | 1 48 | 3 21 | 1 10 | 18 11 | 0 8 | 6 13 | 0 42 | 20 52 | 0 50 | 0 50 | 16 25 | 18 11 | 17 48 | 23 47 | 15 56 | 7 12 |
| F 27 | 23 11 | 26 36 | 3 18 | 22 16 | 1 28 | 20 46 | 1 14 | 6 14 | 1 48 | 3 23 | 1 11 | 18 12 | 0 8 | 6 14 | 0 42 | 20 51 | 0 50 | 0 50 | 16 26 | 18 13 | 17 49 | 23 48 | 15 56 | 7 12 |
| S 28 | 23 9 | 25 16 | 2 23 | 21 58 | 1 17 | 20 58 | 1 12 | 6 26 | 1 49 | 3 24 | 1 11 | 18 13 | 0 8 | 6 14 | 0 42 | 20 51 | 0 50 | 0 50 | 16 26 | 18 14 | 17 50 | 23 50 | 15 56 | 7 12 |
| S 29 | 23 5 | 22 41 | 1 20 | 21 39 | 1 4 | 21 10 | 1 10 | 6 37 | 1 49 | 3 26 | 1 11 | 18 14 | 0 8 | 6 15 | 0 42 | 20 51 | 0 50 | 0 50 | 16 26 | 18 15 | 17 51 | 23 51 | 15 56 | 7 12 |
| M30 | 23 2 | 19 1 | 0 12 | 21 22 | 0 51 | 21 20 | 1 8 | 6 48 | 1 50 | 3 28 | 1 11 | 18 16 | 0 8 | 6 15 | 0 42 | 20 50 | 0 50 | 0 50 | 16 27 | 18 15 | 17 52 | 23 53 | 15 56 | 7 12 |
| T 31 | 22s57 | 14n25 | 0s57 | 21s 4 | 0s36 | 21s30 | 1n 6 | 6s59 | 1n50 | 3s30 | 1n12 | 18n17 | 0n 9 | 6s16 | 0n42 | 20s50 | 0n50 | 0s50 | 16n27 | 18s15 | 17s53 | 23n54 | 15n56 | 7s12 |

Julian Day Number = 2808356.5, Delta T = 52m24s
Ecliptic obliquity = 23°18'51, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°24'56, Lahiri = 37°31'56


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# ASTRODIENST EPHEMERIS for the year 2977
# geocentric

## JANUARY 2977 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 6 45 35 | 10♑47'58 | 1♍ 0 | 27°R53 | 17♐27 | 22♎56 | 11♎45 | 8°R 3 | 17♎44 | 21♑10 | 16♏25 | 7♒44 | 9♒ 6 | 25♉56 | 6°R55 | W 1 |
| T 2 | 6 49 31 | 11°48'58 | 14° 8 | 27♑46 | 18°41 | 23°26 | 11°50 | 7♌59 | 17°45 | 21°12 | 16°26 | 7°46 | 9° 2 | 26° 3 | 6♋51 | T 2 |
| F 3 | 6 53 28 | 12°49'58 | 27°31 | 27°27 | 19°56 | 23°56 | 11°54 | 7°55 | 17°46 | 21°14 | 16°28 | 7°47 | 8°59 | 26°10 | 6°47 | F 3 |
| S 4 | 6 57 24 | 13°50'59 | 11♎12 | 26°56 | 21°11 | 24°26 | 11°58 | 7°50 | 17°47 | 21°17 | 16°29 | 7°R48 | 8°56 | 26°17 | 6°44 | S 4 |
| S 5 | 7 1 21 | 14°52'01 | 25°10 | 26°14 | 22°26 | 24°56 | 12° 3 | 7°46 | 17°48 | 21°19 | 16°31 | 7°48 | 8°53 | 26°23 | 6°40 | S 5 |
| M 6 | 7 5 18 | 15°53'04 | 9♏27 | 25°21 | 23°41 | 25°26 | 12° 6 | 7°42 | 17°49 | 21°21 | 16°32 | 7°46 | 8°50 | 26°30 | 6°36 | M 6 |
| T 7 | 7 9 14 | 16°54'08 | 23°58 | 24°18 | 24°56 | 25°55 | 12°10 | 7°37 | 17°50 | 21°23 | 16°34 | 7°44 | 8°46 | 26°37 | 6°32 | T 7 |
| W 8 | 7 13 11 | 17°55'13 | 8♐40 | 23° 6 | 26°11 | 26°25 | 12°14 | 7°33 | 17°51 | 21°26 | 16°35 | 7°41 | 8°43 | 26°43 | 6°29 | W 8 |
| T 9 | 7 17 7 | 18°56'18 | 23°27 | 21°49 | 27°27 | 26°54 | 12°17 | 7°28 | 17°52 | 21°28 | 16°37 | 7°39 | 8°40 | 26°50 | 6°25 | T 9 |
| F 10 | 7 21 4 | 19°57'24 | 8♑12 | 20°27 | 28°42 | 27°23 | 12°20 | 7°24 | 17°52 | 21°30 | 16°38 | 7°36 | 8°37 | 26°57 | 6°22 | F 10 |
| S 11 | 7 25 0 | 20°58'30 | 22°46 | 19° 5 | 29°57 | 27°52 | 12°23 | 7°19 | 17°53 | 21°32 | 16°39 | 7°35 | 8°34 | 27° 4 | 6°18 | S 11 |
| S 12 | 7 28 57 | 21°59'37 | 7♒ 3 | 17°44 | 1♑12 | 28°21 | 12°26 | 7°15 | 17°53 | 21°35 | 16°41 | 7°D34 | 8°31 | 27°10 | 6°14 | S 12 |
| M13 | 7 32 53 | 23° 0'44 | 20°59 | 16°28 | 2°27 | 28°49 | 12°29 | 7°10 | 17°54 | 21°37 | 16°42 | 7°35 | 8°27 | 27°17 | 6°11 | M13 |
| T 14 | 7 36 50 | 24° 1'50 | 4♓31 | 15°18 | 3°42 | 29°17 | 12°31 | 7° 5 | 17°54 | 21°39 | 16°43 | 7°36 | 8°24 | 27°24 | 6° 7 | T 14 |
| W15 | 7 40 47 | 25° 2'57 | 17°39 | 14°17 | 4°57 | 29°46 | 12°34 | 7° 0 | 17°55 | 21°42 | 16°44 | 7°37 | 8°21 | 27°30 | 6° 4 | W15 |
| T 16 | 7 44 43 | 26° 4'03 | 0♈24 | 13°24 | 6°12 | 0♏14 | 12°36 | 6°56 | 17°55 | 21°44 | 16°45 | 7°38 | 8°18 | 27°37 | 6° 0 | T 16 |
| F 17 | 7 48 40 | 27° 5'10 | 12°50 | 12°42 | 7°27 | 0°41 | 12°38 | 6°51 | 17°55 | 21°46 | 16°47 | 7°39 | 8°15 | 27°44 | 5°57 | F 17 |
| S 18 | 7 52 36 | 28° 6'16 | 25° 0 | 12°10 | 8°42 | 1° 9 | 12°39 | 6°46 | 17°56 | 21°48 | 16°48 | 7°R39 | 8°11 | 27°51 | 5°53 | S 18 |
| S 19 | 7 56 33 | 29° 7'22 | 7♉ 0 | 11°49 | 9°58 | 1°36 | 12°41 | 6°41 | 17°56 | 21°51 | 16°49 | 7°39 | 8° 8 | 27°57 | 5°50 | S 19 |
| M20 | 8 0 29 | 0♒ 8'28 | 18°53 | 11°37 | 11°13 | 2° 3 | 12°42 | 6°36 | 17°56 | 21°53 | 16°50 | 7°39 | 8° 5 | 28° 4 | 5°47 | M20 |
| T 21 | 8 4 26 | 1° 9'34 | 0♊45 | 11°D35 | 12°28 | 2°30 | 12°43 | 6°31 | 17°56 | 21°55 | 16°51 | 7°38 | 8° 2 | 28°11 | 5°44 | T 21 |
| W22 | 8 8 22 | 2°10'39 | 12°39 | 11°42 | 13°43 | 2°57 | 12°44 | 6°26 | 17°R56 | 21°57 | 16°52 | 7°37 | 7°59 | 28°17 | 5°40 | W22 |
| T 23 | 8 12 19 | 3°11'44 | 24°39 | 11°56 | 14°58 | 3°23 | 12°45 | 6°22 | 17°56 | 22° 0 | 16°53 | 7°36 | 7°56 | 28°24 | 5°37 | T 23 |
| F 24 | 8 16 16 | 4°12'49 | 6♋49 | 12°18 | 16°13 | 3°50 | 12°46 | 6°17 | 17°56 | 22° 2 | 16°54 | 7°36 | 7°52 | 28°31 | 5°34 | F 24 |
| S 25 | 8 20 12 | 5°13'54 | 19°11 | 12°47 | 17°29 | 4°16 | 12°46 | 6°12 | 17°56 | 22° 4 | 16°55 | 7°36 | 7°49 | 28°38 | 5°31 | S 25 |
| S 26 | 8 24 9 | 6°14'58 | 1♌46 | 13°22 | 18°44 | 4°42 | 12°46 | 6° 7 | 17°56 | 22° 6 | 16°55 | 7°D36 | 7°46 | 28°44 | 5°28 | S 26 |
| M27 | 8 28 5 | 7°16'02 | 14°35 | 14° 2 | 19°59 | 5° 7 | 12°R46 | 6° 2 | 17°55 | 22° 8 | 16°56 | 7°R36 | 7°43 | 28°51 | 5°25 | M27 |
| T 28 | 8 32 2 | 8°17'06 | 27°38 | 14°48 | 21°14 | 5°33 | 12°46 | 5°57 | 17°55 | 22°11 | 16°57 | 7°36 | 7°40 | 28°58 | 5°22 | T 28 |
| W29 | 8 35 58 | 9°18'09 | 10♍55 | 15°37 | 22°29 | 5°58 | 12°46 | 5°52 | 17°55 | 22°13 | 16°58 | 7°35 | 7°37 | 29° 4 | 5°19 | W29 |
| T 30 | 8 39 55 | 10°19'12 | 24°25 | 16°31 | 23°45 | 6°22 | 12°45 | 5°47 | 17°54 | 22°15 | 16°58 | 7°35 | 7°33 | 29°11 | 5°16 | T 30 |
| F 31 | 8 43 51 | 11♒20'15 | 8♎ 6 | 17♑28 | 25♑ 0 | 6♏47 | 12♎45 | 5♌42 | 17♎54 | 22♑17 | 16♏59 | 7♒35 | 7♒30 | 29♉18 | 5♋13 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s53 | 9n 7 | 2s 4 | 20s48 | 0s20 | 21s40 | 1n 4 | 7s10 | 1n50 | 3s31 | 1n12 | 18n18 | 0n 9 | 6s16 | 0n42 | 20s50 | 0n50 | 0s50 | 16n28 | 18s14 | 17s53 | 23n55 | 15n56 | 7s12 |
| T 2 | 22 48 | 3 20 | 3 7 | 20 33 | 0 3 | 21 49 | 1 2 | 7 20 | 1 51 | 3 33 | 1 12 | 18 19 | 0 9 | 6 17 | 0 42 | 20 49 | 0 50 | 0 50 | 16 28 | 18 14 | 17 54 | 23 57 | 15 56 | 7 12 |
| F 3 | 22 42 | 2s42 | 4 0 | 20 18 | 0n16 | 21 57 | 0 59 | 7 31 | 1 51 | 3 34 | 1 12 | 18 20 | 0 9 | 6 17 | 0 42 | 20 49 | 0 50 | 0 50 | 16 29 | 18 14 | 17 55 | 23 58 | 15 57 | 7 12 |
| S 4 | 22 36 | 8 44 | 4 42 | 20 6 | 0 35 | 22 5 | 0 57 | 7 42 | 1 51 | 3 36 | 1 13 | 18 21 | 0 9 | 6 17 | 0 42 | 20 49 | 0 50 | 0 50 | 16 29 | 18 13 | 17 56 | 24 0 | 15 57 | 7 12 |
| S 5 | 22 29 | 14 27 | 5 7 | 19 55 | 0 54 | 22 11 | 0 55 | 7 52 | 1 52 | 3 37 | 1 13 | 18 23 | 0 9 | 6 18 | 0 43 | 20 48 | 0 50 | 0 50 | 16 30 | 18 13 | 17 57 | 24 1 | 15 57 | 7 12 |
| M 6 | 22 22 | 19 32 | 5 15 | 19 45 | 1 14 | 22 18 | 0 52 | 8 3 | 1 52 | 3 38 | 1 13 | 18 24 | 0 9 | 6 18 | 0 43 | 20 48 | 0 50 | 0 50 | 16 30 | 18 14 | 17 57 | 24 2 | 15 57 | 7 12 |
| T 7 | 22 15 | 23 33 | 5 2 | 19 37 | 1 33 | 22 23 | 0 50 | 8 13 | 1 52 | 3 40 | 1 13 | 18 25 | 0 9 | 6 18 | 0 43 | 20 48 | 0 50 | 0 50 | 16 30 | 18 14 | 17 58 | 24 4 | 15 57 | 7 12 |
| W 8 | 22 7 | 26 5 | 4 30 | 19 30 | 1 52 | 22 28 | 0 47 | 8 23 | 1 53 | 3 41 | 1 14 | 18 26 | 0 9 | 6 19 | 0 43 | 20 47 | 0 50 | 0 50 | 16 31 | 18 15 | 17 59 | 24 5 | 15 58 | 7 12 |
| T 9 | 21 59 | 26 49 | 3 40 | 19 26 | 2 10 | 22 32 | 0 45 | 8 33 | 1 53 | 3 42 | 1 14 | 18 28 | 0 10 | 6 19 | 0 43 | 20 47 | 0 50 | 0 50 | 16 31 | 18 16 | 18 0 | 24 6 | 15 58 | 7 12 |
| F 10 | 21 50 | 25 39 | 2 35 | 19 22 | 2 26 | 22 36 | 0 43 | 8 43 | 1 54 | 3 43 | 1 14 | 18 29 | 0 10 | 6 19 | 0 43 | 20 47 | 0 50 | 0 50 | 16 32 | 18 16 | 18 1 | 24 8 | 15 58 | 7 12 |
| S 11 | 21 41 | 22 44 | 1 21 | 19 20 | 2 39 | 22 39 | 0 40 | 8 53 | 1 54 | 3 44 | 1 14 | 18 30 | 0 10 | 6 19 | 0 43 | 20 46 | 0 50 | 0 50 | 16 32 | 18 17 | 18 2 | 24 9 | 15 58 | 7 12 |
| S 12 | 21 32 | 18 28 | 0 3 | 19 19 | 2 51 | 22 41 | 0 38 | 9 3 | 1 54 | 3 45 | 1 15 | 18 31 | 0 10 | 6 19 | 0 43 | 20 46 | 0 50 | 0 50 | 16 33 | 18 17 | 18 2 | 24 10 | 15 59 | 7 12 |
| M13 | 21 22 | 13 16 | 1n14 | 19 19 | 3 0 | 22 43 | 0 35 | 9 13 | 1 55 | 3 45 | 1 15 | 18 33 | 0 10 | 6 20 | 0 43 | 20 46 | 0 50 | 0 50 | 16 33 | 18 17 | 18 3 | 24 11 | 15 59 | 7 12 |
| T 14 | 21 11 | 7 34 | 2 24 | 19 21 | 3 7 | 22 43 | 0 32 | 9 22 | 1 55 | 3 46 | 1 15 | 18 34 | 0 10 | 6 20 | 0 43 | 20 45 | 0 50 | 0 49 | 16 34 | 18 17 | 18 4 | 24 13 | 15 59 | 7 12 |
| W15 | 21 1 | 1 43 | 3 24 | 19 23 | 3 11 | 22 43 | 0 30 | 9 32 | 1 55 | 3 47 | 1 15 | 18 35 | 0 10 | 6 20 | 0 43 | 20 45 | 0 50 | 0 49 | 16 34 | 18 16 | 18 5 | 24 14 | 15 59 | 7 12 |
| T 16 | 20 49 | 4n 1 | 4 12 | 19 27 | 3 13 | 22 43 | 0 27 | 9 41 | 1 56 | 3 47 | 1 16 | 18 37 | 0 10 | 6 20 | 0 43 | 20 45 | 0 50 | 0 49 | 16 35 | 18 16 | 18 6 | 24 15 | 16 0 | 7 11 |
| F 17 | 20 38 | 9 28 | 4 48 | 19 31 | 3 12 | 22 42 | 0 25 | 9 50 | 1 56 | 3 48 | 1 16 | 18 38 | 0 10 | 6 20 | 0 43 | 20 44 | 0 50 | 0 49 | 16 35 | 18 16 | 18 7 | 24 17 | 16 0 | 7 11 |
| S 18 | 20 26 | 14 25 | 5 9 | 19 36 | 3 10 | 22 40 | 0 22 | 9 59 | 1 57 | 3 48 | 1 16 | 18 39 | 0 11 | 6 20 | 0 43 | 20 44 | 0 50 | 0 49 | 16 36 | 18 16 | 18 7 | 24 18 | 16 0 | 7 11 |
| S 19 | 20 14 | 18 46 | 5 17 | 19 42 | 3 6 | 22 37 | 0 20 | 10 8 | 1 57 | 3 49 | 1 16 | 18 41 | 0 11 | 6 20 | 0 43 | 20 44 | 0 50 | 0 48 | 16 36 | 18 16 | 18 8 | 24 19 | 16 1 | 7 11 |
| M20 | 20 1 | 22 19 | 5 11 | 19 48 | 3 1 | 22 34 | 0 17 | 10 17 | 1 57 | 3 49 | 1 17 | 18 42 | 0 11 | 6 20 | 0 43 | 20 43 | 0 50 | 0 48 | 16 37 | 18 16 | 18 9 | 24 20 | 16 1 | 7 11 |
| T 21 | 19 48 | 24 57 | 4 52 | 19 55 | 2 54 | 22 30 | 0 14 | 10 26 | 1 58 | 3 49 | 1 17 | 18 43 | 0 11 | 6 20 | 0 43 | 20 43 | 0 50 | 0 48 | 16 37 | 18 16 | 18 10 | 24 22 | 16 1 | 7 11 |
| W22 | 19 34 | 26 29 | 4 20 | 20 2 | 2 47 | 22 25 | 0 12 | 10 35 | 1 58 | 3 49 | 1 17 | 18 45 | 0 11 | 6 20 | 0 43 | 20 43 | 0 50 | 0 48 | 16 38 | 18 16 | 18 11 | 24 23 | 16 2 | 7 10 |
| T 23 | 19 20 | 26 48 | 3 36 | 20 8 | 2 39 | 22 20 | 0 9 | 10 43 | 1 58 | 3 49 | 1 18 | 18 46 | 0 11 | 6 20 | 0 43 | 20 42 | 0 50 | 0 47 | 16 38 | 18 16 | 18 11 | 24 24 | 16 2 | 7 10 |
| F 24 | 19 6 | 25 51 | 2 43 | 20 15 | 2 30 | 22 14 | 0 7 | 10 52 | 1 59 | 3 49 | 1 18 | 18 47 | 0 11 | 6 20 | 0 43 | 20 42 | 0 50 | 0 47 | 16 39 | 18 16 | 18 12 | 24 25 | 16 2 | 7 10 |
| S 25 | 18 52 | 23 36 | 1 40 | 20 22 | 2 21 | 22 7 | 0 4 | 11 0 | 1 59 | 3 49 | 1 18 | 18 48 | 0 11 | 6 20 | 0 43 | 20 41 | 0 50 | 0 47 | 16 39 | 18 17 | 18 13 | 24 26 | 16 3 | 7 10 |
| S 26 | 18 37 | 20 11 | 0 32 | 20 28 | 2 12 | 21 59 | 0 1 | 11 9 | 1 59 | 3 49 | 1 18 | 18 50 | 0 11 | 6 20 | 0 43 | 20 41 | 0 50 | 0 47 | 16 40 | 18 17 | 18 14 | 24 28 | 16 3 | 7 10 |
| M27 | 18 22 | 15 45 | 0s39 | 20 33 | 2 2 | 21 51 | 0s 1 | 11 17 | 2 0 | 3 49 | 1 19 | 18 51 | 0 11 | 6 20 | 0 43 | 20 41 | 0 50 | 0 46 | 16 41 | 18 17 | 18 15 | 24 29 | 16 3 | 7 9 |
| T 28 | 18 6 | 10 31 | 1 49 | 20 38 | 1 52 | 21 43 | 0 4 | 11 25 | 2 0 | 3 48 | 1 19 | 18 52 | 0 12 | 6 19 | 0 43 | 20 40 | 0 50 | 0 46 | 16 41 | 18 17 | 18 16 | 24 30 | 16 4 | 7 9 |
| W29 | 17 50 | 4 44 | 2 55 | 20 43 | 1 42 | 21 33 | 0 6 | 11 33 | 2 0 | 3 48 | 1 19 | 18 54 | 0 12 | 6 19 | 0 43 | 20 40 | 0 50 | 0 46 | 16 42 | 18 17 | 18 16 | 24 31 | 16 4 | 7 9 |
| T 30 | 17 34 | 1s20 | 3 52 | 20 46 | 1 32 | 21 23 | 0 9 | 11 40 | 2 1 | 3 48 | 1 19 | 18 55 | 0 12 | 6 19 | 0 43 | 20 40 | 0 50 | 0 45 | 16 42 | 18 17 | 18 17 | 24 32 | 16 4 | 7 8 |
| F 31 | 17s17 | 7s26 | 4s36 | 20s49 | 1n22 | 21s12 | 0s11 | 11s48 | 2n 1 | 3s47 | 1n20 | 18n56 | 0n12 | 6s19 | 0n43 | 20s39 | 0n50 | 0s45 | 16n43 | 18s17 | 18s18 | 24n34 | 16n 5 | 7s 8 |

Julian Day Number = 2808387.5, Delta T = 52m24s
Ecliptic obliquity = 23°18'51, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'00, Lahiri = 37°32'00


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# ASTRODIENST EPHEMERIS for the year 2977
# geocentric

## FEBRUARY 2977 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 47 48 | 12♒21'18 | 21♎58 | 18♑28 | 26♑15 | 7♏11 | 12°R44 | 5°R37 | 17°R53 | 22♑19 | 17♏ 0 | 7°R34 | 7♒27 | 29♉25 | 5°R10 | S 1 |
| S 2 | 8 51 45 | 13°22'21 | 5♏59 | 19°31 | 27°30 | 7°35 | 12♎43 | 5♌32 | 17♎52 | 22°22 | 17° 0 | 7♒34 | 7°24 | 29°31 | 5♋ 8 | S 2 |
| M 3 | 8 55 41 | 14°23'24 | 20° 8 | 20°37 | 28°45 | 7°59 | 12°41 | 5°28 | 17°52 | 22°24 | 17° 1 | 7°D34 | 7°21 | 29°38 | 5° 5 | M 3 |
| T 4 | 8 59 38 | 15°24'26 | 4♐22 | 21°45 | 0♒ 1 | 8°23 | 12°40 | 5°23 | 17°51 | 22°26 | 17° 1 | 7°34 | 7°17 | 29°45 | 5° 3 | T 4 |
| W 5 | 9 3 34 | 16°25'28 | 18°39 | 22°56 | 1°16 | 8°46 | 12°38 | 5°18 | 17°50 | 22°28 | 17° 2 | 7°35 | 7°14 | 29°51 | 5° 0 | W 5 |
| T 6 | 9 7 31 | 17°26'30 | 2♑57 | 24° 8 | 2°31 | 9° 9 | 12°36 | 5°13 | 17°49 | 22°30 | 17° 2 | 7°36 | 7°11 | 29°58 | 4°58 | T 6 |
| F 7 | 9 11 27 | 18°27'32 | 17°11 | 25°22 | 3°46 | 9°31 | 12°34 | 5° 8 | 17°49 | 22°32 | 17° 3 | 7°37 | 7° 8 | 0♊ 5 | 4°55 | F 7 |
| S 8 | 9 15 24 | 19°28'33 | 1♒18 | 26°37 | 5° 2 | 9°53 | 12°32 | 5° 4 | 17°48 | 22°34 | 17° 3 | 7°R37 | 7° 5 | 0°12 | 4°53 | S 8 |
| S 9 | 9 19 21 | 20°29'33 | 15°14 | 27°54 | 6°17 | 10°15 | 12°29 | 4°59 | 17°47 | 22°36 | 17° 3 | 7°37 | 7° 2 | 0°18 | 4°51 | S 9 |
| M10 | 9 23 17 | 21°30'33 | 28°55 | 29°13 | 7°32 | 10°37 | 12°27 | 4°54 | 17°46 | 22°38 | 17° 4 | 7°36 | 6°58 | 0°25 | 4°48 | M10 |
| T 11 | 9 27 14 | 22°31'31 | 12♓18 | 0♒32 | 8°47 | 10°58 | 12°24 | 4°50 | 17°45 | 22°40 | 17° 4 | 7°35 | 6°55 | 0°32 | 4°46 | T 11 |
| W12 | 9 31 10 | 23°32'29 | 25°22 | 1°53 | 10° 3 | 11°19 | 12°21 | 4°45 | 17°43 | 22°42 | 17° 4 | 7°33 | 6°52 | 0°38 | 4°44 | W12 |
| T 13 | 9 35 7 | 24°33'26 | 8♈ 8 | 3°15 | 11°18 | 11°40 | 12°18 | 4°41 | 17°42 | 22°44 | 17° 4 | 7°30 | 6°49 | 0°45 | 4°42 | T 13 |
| F 14 | 9 39 3 | 25°34'22 | 20°36 | 4°38 | 12°33 | 12° 0 | 12°14 | 4°36 | 17°41 | 22°46 | 17° 5 | 7°27 | 6°46 | 0°52 | 4°40 | F 14 |
| S 15 | 9 43 0 | 26°35'16 | 2♉48 | 6° 2 | 13°48 | 12°20 | 12°11 | 4°32 | 17°40 | 22°48 | 17° 5 | 7°25 | 6°43 | 0°59 | 4°38 | S 15 |
| S 16 | 9 46 56 | 27°36'10 | 14°50 | 7°28 | 15° 4 | 12°39 | 12° 7 | 4°27 | 17°38 | 22°50 | 17° 5 | 7°24 | 6°39 | 1° 5 | 4°37 | S 16 |
| M17 | 9 50 53 | 28°37'02 | 26°44 | 8°54 | 16°19 | 12°58 | 12° 3 | 4°23 | 17°37 | 22°52 | 17° 5 | 7°D23 | 6°36 | 1°12 | 4°35 | M17 |
| T 18 | 9 54 49 | 29°37'53 | 8♊35 | 10°20 | 17°34 | 13°17 | 11°59 | 4°19 | 17°36 | 22°54 | 17°R 5 | 7°23 | 6°33 | 1°19 | 4°33 | T 18 |
| W19 | 9 58 46 | 0♓38'43 | 20°29 | 11°48 | 18°49 | 13°35 | 11°55 | 4°15 | 17°34 | 22°56 | 17° 5 | 7°24 | 6°30 | 1°25 | 4°32 | W19 |
| T 20 | 10 2 43 | 1°39'31 | 2♋30 | 13°17 | 20° 4 | 13°53 | 11°50 | 4°11 | 17°33 | 22°58 | 17° 5 | 7°26 | 6°27 | 1°32 | 4°30 | T 20 |
| F 21 | 10 6 39 | 2°40'18 | 14°43 | 14°46 | 21°20 | 14°11 | 11°46 | 4° 7 | 17°31 | 23° 0 | 17° 5 | 7°28 | 6°23 | 1°39 | 4°29 | F 21 |
| S 22 | 10 10 36 | 3°41'04 | 27°11 | 16°17 | 22°35 | 14°28 | 11°41 | 4° 3 | 17°29 | 23° 2 | 17° 4 | 7°29 | 6°20 | 1°46 | 4°27 | S 22 |
| S 23 | 10 14 32 | 4°41'48 | 9♌58 | 17°48 | 23°50 | 14°44 | 11°36 | 3°59 | 17°28 | 23° 4 | 17° 4 | 7°R30 | 6°17 | 1°52 | 4°26 | S 23 |
| M24 | 10 18 29 | 5°42'31 | 23° 4 | 19°20 | 25° 5 | 15° 1 | 11°31 | 3°55 | 17°26 | 23° 5 | 17° 4 | 7°29 | 6°14 | 1°59 | 4°25 | M24 |
| T 25 | 10 22 25 | 6°43'13 | 6♍29 | 20°53 | 26°20 | 15°16 | 11°26 | 3°51 | 17°24 | 23° 7 | 17° 4 | 7°26 | 6°11 | 2° 6 | 4°24 | T 25 |
| W26 | 10 26 22 | 7°43'53 | 20°13 | 22°26 | 27°36 | 15°32 | 11°20 | 3°48 | 17°23 | 23° 9 | 17° 4 | 7°22 | 6° 8 | 2°12 | 4°23 | W26 |
| T 27 | 10 30 18 | 8°44'33 | 4♎12 | 24° 1 | 28°51 | 15°46 | 11°15 | 3°44 | 17°21 | 23°11 | 17° 3 | 7°18 | 6° 4 | 2°19 | 4°22 | T 27 |
| F 28 | 10 34 15 | 9♓45'11 | 18♎22 | 25♒36 | 0♓ 6 | 16♏ 1 | 11♎ 9 | 3♌40 | 17♎19 | 23♑12 | 17♏ 3 | 7♒12 | 6♒ 1 | 2♊26 | 4♋21 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 17s 0 | 13s14 | 5s 5 | 20s51 | 1n13 | 21s 1 | 0s14 | 11s56 | 2n 1 | 3s46 | 1n20 | 18n58 | 0n12 | 6s19 | 0n43 | 20s39 | 0n50 | 0s45 | 16n43 | 18s17 | 18s19 | 24n35 | 16n 5 | 7s 8 | S 1 |
| S 2 | 16 43 | 18 26 | 5 17 | 20 52 | 1 3 | 20 49 | 0 16 | 12 3 | 2 2 | 3 46 | 1 20 | 18 59 | 0 12 | 6 18 | 0 43 | 20 39 | 0 50 | 0 44 | 16 44 | 18 17 | 18 20 | 24 36 | 16 6 | 7 8 | S 2 |
| M 3 | 16 26 | 22 39 | 5 9 | 20 52 | 0 53 | 20 36 | 0 19 | 12 10 | 2 2 | 3 45 | 1 20 | 19 0 | 0 12 | 6 18 | 0 44 | 20 38 | 0 50 | 0 44 | 16 44 | 18 17 | 18 20 | 24 37 | 16 6 | 7 7 | M 3 |
| T 4 | 16 8 | 25 32 | 4 43 | 20 51 | 0 44 | 20 23 | 0 21 | 12 17 | 2 2 | 3 44 | 1 21 | 19 1 | 0 12 | 6 18 | 0 44 | 20 38 | 0 50 | 0 43 | 16 45 | 18 17 | 18 21 | 24 38 | 16 6 | 7 7 | T 4 |
| W 5 | 15 50 | 26 48 | 3 59 | 20 49 | 0 34 | 20 9 | 0 24 | 12 24 | 2 3 | 3 43 | 1 21 | 19 3 | 0 12 | 6 17 | 0 44 | 20 38 | 0 50 | 0 43 | 16 45 | 18 17 | 18 22 | 24 39 | 16 7 | 7 7 | W 5 |
| T 6 | 15 32 | 26 17 | 3 0 | 20 46 | 0 25 | 19 55 | 0 26 | 12 31 | 2 3 | 3 42 | 1 21 | 19 4 | 0 13 | 6 17 | 0 44 | 20 37 | 0 50 | 0 43 | 16 46 | 18 16 | 18 23 | 24 40 | 16 7 | 7 6 | T 6 |
| F 7 | 15 13 | 24 3 | 1 51 | 20 42 | 0 16 | 19 40 | 0 28 | 12 38 | 2 3 | 3 41 | 1 21 | 19 5 | 0 13 | 6 17 | 0 44 | 20 37 | 0 50 | 0 42 | 16 47 | 18 16 | 18 24 | 24 42 | 16 8 | 7 6 | F 7 |
| S 8 | 14 54 | 20 20 | 0 35 | 20 36 | 0 7 | 19 24 | 0 31 | 12 45 | 2 4 | 3 40 | 1 22 | 19 6 | 0 13 | 6 16 | 0 44 | 20 37 | 0 50 | 0 42 | 16 47 | 18 16 | 18 24 | 24 43 | 16 8 | 7 6 | S 8 |
| S 9 | 14 35 | 15 31 | 0n42 | 20 30 | 0s 2 | 19 8 | 0 33 | 12 51 | 2 4 | 3 39 | 1 22 | 19 8 | 0 13 | 6 16 | 0 44 | 20 36 | 0 50 | 0 41 | 16 48 | 18 16 | 18 25 | 24 44 | 16 9 | 7 5 | S 9 |
| M10 | 14 16 | 10 0 | 1 55 | 20 22 | 0 10 | 18 52 | 0 35 | 12 58 | 2 4 | 3 38 | 1 22 | 19 9 | 0 13 | 6 16 | 0 44 | 20 36 | 0 50 | 0 41 | 16 48 | 18 16 | 18 26 | 24 45 | 16 9 | 7 5 | M10 |
| T 11 | 13 56 | 4 8 | 3 0 | 20 13 | 0 18 | 18 34 | 0 37 | 13 4 | 2 5 | 3 36 | 1 22 | 19 10 | 0 13 | 6 15 | 0 44 | 20 36 | 0 50 | 0 40 | 16 49 | 18 17 | 18 27 | 24 46 | 16 9 | 7 5 | T 11 |
| W12 | 13 36 | 1n45 | 3 54 | 20 4 | 0 26 | 18 16 | 0 40 | 13 10 | 2 5 | 3 35 | 1 23 | 19 11 | 0 13 | 6 15 | 0 44 | 20 35 | 0 50 | 0 40 | 16 49 | 18 17 | 18 28 | 24 47 | 16 10 | 7 4 | W12 |
| T 13 | 13 16 | 7 25 | 4 35 | 19 52 | 0 34 | 17 58 | 0 42 | 13 16 | 2 5 | 3 34 | 1 23 | 19 12 | 0 13 | 6 14 | 0 44 | 20 35 | 0 50 | 0 39 | 16 50 | 18 18 | 18 28 | 24 48 | 16 10 | 7 4 | T 13 |
| F 14 | 12 56 | 12 40 | 5 2 | 19 40 | 0 41 | 17 39 | 0 44 | 13 22 | 2 6 | 3 32 | 1 23 | 19 14 | 0 13 | 6 14 | 0 44 | 20 35 | 0 50 | 0 39 | 16 50 | 18 19 | 18 29 | 24 49 | 16 11 | 7 3 | F 14 |
| S 15 | 12 35 | 17 18 | 5 14 | 19 27 | 0 48 | 17 20 | 0 46 | 13 27 | 2 6 | 3 30 | 1 23 | 19 15 | 0 13 | 6 13 | 0 44 | 20 34 | 0 50 | 0 38 | 16 51 | 18 19 | 18 30 | 24 50 | 16 11 | 7 3 | S 15 |
| S 16 | 12 15 | 21 11 | 5 13 | 19 12 | 0 55 | 17 0 | 0 48 | 13 33 | 2 6 | 3 29 | 1 24 | 19 16 | 0 13 | 6 13 | 0 44 | 20 34 | 0 50 | 0 38 | 16 52 | 18 20 | 18 31 | 24 51 | 16 12 | 7 3 | S 16 |
| M17 | 11 54 | 24 9 | 4 57 | 18 56 | 1 2 | 16 40 | 0 50 | 13 38 | 2 6 | 3 27 | 1 24 | 19 17 | 0 14 | 6 12 | 0 44 | 20 34 | 0 50 | 0 37 | 16 52 | 18 20 | 18 32 | 24 52 | 16 12 | 7 2 | M17 |
| T 18 | 11 33 | 26 4 | 4 30 | 18 39 | 1 8 | 16 19 | 0 52 | 13 44 | 2 7 | 3 25 | 1 24 | 19 18 | 0 14 | 6 12 | 0 44 | 20 33 | 0 50 | 0 37 | 16 53 | 18 20 | 18 32 | 24 53 | 16 13 | 7 2 | T 18 |
| W19 | 11 11 | 26 48 | 3 50 | 18 21 | 1 14 | 15 58 | 0 54 | 13 49 | 2 7 | 3 23 | 1 24 | 19 19 | 0 14 | 6 11 | 0 44 | 20 33 | 0 50 | 0 36 | 16 53 | 18 19 | 18 33 | 24 54 | 16 13 | 7 1 | W19 |
| T 20 | 10 50 | 26 18 | 3 1 | 18 2 | 1 20 | 15 36 | 0 56 | 13 54 | 2 7 | 3 21 | 1 25 | 19 20 | 0 14 | 6 10 | 0 44 | 20 33 | 0 50 | 0 36 | 16 54 | 18 19 | 18 34 | 24 55 | 16 14 | 7 1 | T 20 |
| F 21 | 10 28 | 24 32 | 2 2 | 17 41 | 1 26 | 15 14 | 0 58 | 13 59 | 2 7 | 3 19 | 1 25 | 19 21 | 0 14 | 6 10 | 0 44 | 20 32 | 0 50 | 0 35 | 16 54 | 18 19 | 18 35 | 24 56 | 16 14 | 7 1 | F 21 |
| S 22 | 10 6 | 21 32 | 0 56 | 17 19 | 1 31 | 14 51 | 0 59 | 14 4 | 2 8 | 3 17 | 1 25 | 19 22 | 0 14 | 6 9 | 0 44 | 20 32 | 0 50 | 0 35 | 16 55 | 18 18 | 18 35 | 24 57 | 16 14 | 7 0 | S 22 |
| S 23 | 9 44 | 17 27 | 0s14 | 16 56 | 1 36 | 14 28 | 1 1 | 14 8 | 2 8 | 3 15 | 1 25 | 19 23 | 0 14 | 6 8 | 0 44 | 20 32 | 0 50 | 0 34 | 16 55 | 18 18 | 18 36 | 24 59 | 16 15 | 7 0 | S 23 |
| M24 | 9 22 | 12 26 | 1 24 | 16 32 | 1 41 | 14 5 | 1 3 | 14 13 | 2 8 | 3 13 | 1 25 | 19 24 | 0 14 | 6 8 | 0 44 | 20 31 | 0 50 | 0 34 | 16 56 | 18 18 | 18 37 | 25 0 | 16 15 | 6 59 | M24 |
| T 25 | 9 0 | 6 43 | 2 32 | 16 7 | 1 45 | 13 41 | 1 5 | 14 17 | 2 8 | 3 11 | 1 26 | 19 25 | 0 14 | 6 7 | 0 44 | 20 31 | 0 50 | 0 33 | 16 56 | 18 19 | 18 38 | 25 0 | 16 16 | 6 59 | T 25 |
| W26 | 8 38 | 0 36 | 3 33 | 15 41 | 1 49 | 13 17 | 1 6 | 14 21 | 2 8 | 3 9 | 1 26 | 19 26 | 0 14 | 6 6 | 0 44 | 20 31 | 0 50 | 0 32 | 16 57 | 18 20 | 18 39 | 25 1 | 16 16 | 6 58 | W26 |
| T 27 | 8 15 | 5s40 | 4 21 | 15 13 | 1 53 | 12 52 | 1 8 | 14 25 | 2 9 | 3 6 | 1 26 | 19 27 | 0 14 | 6 6 | 0 44 | 20 31 | 0 50 | 0 32 | 16 57 | 18 21 | 18 39 | 25 2 | 16 17 | 6 58 | T 27 |
| F 28 | 7s52 | 11s43 | 4s55 | 14s44 | 1s56 | 12s27 | 1s 9 | 14s29 | 2n 9 | 3s 4 | 1n26 | 19n28 | 0n15 | 6s 5 | 0n44 | 20s30 | 0n50 | 0s31 | 16n58 | 18s22 | 18s40 | 25n 3 | 16n17 | 6s57 | F 28 |

Julian Day Number = 2808418.5, Delta T = 52m25s
Ecliptic obliquity = 23°18'51, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'04, Lahiri = 37°32'05


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# ASTRODIENST EPHEMERIS for the year 2977
# geocentric

## MARCH 2977 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 38 12 | 10♓45'48 | 2♏38 | 27♒12 | 1♓21 | 16♏15 | 11°R 3 | 3°R37 | 17°R17 | 23♑14 | 17°R 3 | 7°R 8 | 5♒58 | 2♊33 | 4°R20 | S 1 |
| S 2 | 10 42 8 | 11°46'23 | 16°56 | 28°49 | 2°36 | 16°28 | 10♎57 | 3♌34 | 17♎15 | 23°16 | 17♏ 2 | 7♒ 4 | 5°55 | 2°39 | 4♋20 | S 2 |
| M 3 | 10 46 5 | 12°46'58 | 1♐11 | 0♓27 | 3°51 | 16°41 | 10°51 | 3°30 | 17°13 | 23°17 | 17° 2 | 7° 2 | 5°52 | 2°46 | 4°19 | M 3 |
| T 4 | 10 50 1 | 13°47'32 | 15°22 | 2° 6 | 5° 6 | 16°53 | 10°45 | 3°27 | 17°11 | 23°19 | 17° 1 | 7°D 1 | 5°49 | 2°53 | 4°18 | T 4 |
| W 5 | 10 53 58 | 14°48'05 | 29°26 | 3°46 | 6°22 | 17° 5 | 10°39 | 3°24 | 17° 9 | 23°20 | 17° 1 | 7° 2 | 5°45 | 2°59 | 4°18 | W 5 |
| T 6 | 10 57 54 | 15°48'37 | 13♑22 | 5°26 | 7°37 | 17°16 | 10°32 | 3°21 | 17° 7 | 23°22 | 17° 0 | 7° 3 | 5°42 | 3° 6 | 4°18 | T 6 |
| F 7 | 11 1 51 | 16°49'07 | 27°10 | 7° 8 | 8°52 | 17°27 | 10°26 | 3°18 | 17° 5 | 23°24 | 17° 0 | 7° 5 | 5°39 | 3°13 | 4°17 | F 7 |
| S 8 | 11 5 47 | 17°49'36 | 10♒48 | 8°50 | 10° 7 | 17°37 | 10°19 | 3°15 | 17° 3 | 23°25 | 16°59 | 7°R 5 | 5°36 | 3°19 | 4°17 | S 8 |
| S 9 | 11 9 44 | 18°50'04 | 24°16 | 10°33 | 11°22 | 17°47 | 10°12 | 3°13 | 17° 1 | 23°27 | 16°58 | 7° 4 | 5°33 | 3°26 | 4°17 | S 9 |
| M10 | 11 13 41 | 19°50'30 | 7♓33 | 12°18 | 12°37 | 17°56 | 10° 6 | 3°10 | 16°58 | 23°28 | 16°58 | 7° 0 | 5°29 | 3°33 | 4°D17 | M10 |
| T 11 | 11 17 37 | 20°50'54 | 20°38 | 14° 3 | 13°52 | 18° 4 | 9°59 | 3° 8 | 16°56 | 23°30 | 16°57 | 6°54 | 5°26 | 3°40 | 4°17 | T 11 |
| W12 | 11 21 34 | 21°51'17 | 3♈29 | 15°49 | 15° 7 | 18°12 | 9°52 | 3° 5 | 16°54 | 23°31 | 16°56 | 6°47 | 5°23 | 3°46 | 4°17 | W12 |
| T 13 | 11 25 30 | 22°51'39 | 16° 6 | 17°36 | 16°22 | 18°19 | 9°44 | 3° 3 | 16°52 | 23°32 | 16°55 | 6°38 | 5°20 | 3°53 | 4°17 | T 13 |
| F 14 | 11 29 27 | 23°51'58 | 28°29 | 19°25 | 17°37 | 18°25 | 9°37 | 3° 1 | 16°49 | 23°34 | 16°55 | 6°29 | 5°17 | 4° 0 | 4°17 | F 14 |
| S 15 | 11 33 23 | 24°52'16 | 10♉40 | 21°14 | 18°53 | 18°31 | 9°30 | 2°59 | 16°47 | 23°35 | 16°54 | 6°21 | 5°14 | 4° 6 | 4°18 | S 15 |
| S 16 | 11 37 20 | 25°52'32 | 22°40 | 23° 4 | 20° 8 | 18°36 | 9°23 | 2°57 | 16°45 | 23°36 | 16°53 | 6°14 | 5°10 | 4°13 | 4°18 | S 16 |
| M17 | 11 41 16 | 26°52'46 | 4♊34 | 24°55 | 21°23 | 18°41 | 9°15 | 2°55 | 16°42 | 23°38 | 16°52 | 6° 9 | 5° 7 | 4°20 | 4°18 | M17 |
| T 18 | 11 45 13 | 27°52'58 | 16°24 | 26°47 | 22°38 | 18°44 | 9° 8 | 2°53 | 16°40 | 23°39 | 16°51 | 6° 6 | 5° 4 | 4°27 | 4°19 | T 18 |
| W19 | 11 49 10 | 28°53'08 | 28°16 | 28°40 | 23°53 | 18°47 | 9° 0 | 2°51 | 16°37 | 23°40 | 16°50 | 6°D 5 | 5° 1 | 4°33 | 4°20 | W19 |
| T 20 | 11 53 6 | 29°53'17 | 10♋15 | 0♈34 | 25° 8 | 18°50 | 8°52 | 2°50 | 16°35 | 23°41 | 16°49 | 6° 6 | 4°58 | 4°40 | 4°20 | T 20 |
| F 21 | 11 57 3 | 0♈53'23 | 22°27 | 2°29 | 26°23 | 18°52 | 8°45 | 2°48 | 16°32 | 23°42 | 16°48 | 6° 7 | 4°55 | 4°47 | 4°21 | F 21 |
| S 22 | 12 0 59 | 1°53'27 | 4♌55 | 4°25 | 27°37 | 18°53 | 8°37 | 2°47 | 16°30 | 23°43 | 16°47 | 6°R 7 | 4°51 | 4°53 | 4°22 | S 22 |
| S 23 | 12 4 56 | 2°53'29 | 17°46 | 6°21 | 28°52 | 18°R53 | 8°29 | 2°45 | 16°27 | 23°45 | 16°46 | 6° 7 | 4°48 | 5° 0 | 4°23 | S 23 |
| M24 | 12 8 52 | 3°53'29 | 1♍ 0 | 8°18 | 0♈ 7 | 18°52 | 8°22 | 2°44 | 16°25 | 23°46 | 16°45 | 6° 4 | 4°45 | 5° 7 | 4°24 | M24 |
| T 25 | 12 12 49 | 4°53'26 | 14°40 | 10°15 | 1°22 | 18°51 | 8°14 | 2°43 | 16°22 | 23°47 | 16°44 | 5°59 | 4°42 | 5°13 | 4°25 | T 25 |
| W26 | 12 16 45 | 5°53'22 | 28°45 | 12°13 | 2°37 | 18°49 | 8° 6 | 2°42 | 16°20 | 23°48 | 16°43 | 5°51 | 4°39 | 5°20 | 4°27 | W26 |
| T 27 | 12 20 42 | 6°53'16 | 13♎ 9 | 14°11 | 3°52 | 18°47 | 7°58 | 2°41 | 16°17 | 23°49 | 16°41 | 5°42 | 4°35 | 5°27 | 4°28 | T 27 |
| F 28 | 12 24 39 | 7°53'09 | 27°48 | 16° 9 | 5° 7 | 18°43 | 7°50 | 2°41 | 16°15 | 23°50 | 16°40 | 5°32 | 4°32 | 5°34 | 4°29 | F 28 |
| S 29 | 12 28 35 | 8°52'59 | 12♏33 | 18° 6 | 6°22 | 18°39 | 7°43 | 2°40 | 16°12 | 23°50 | 16°39 | 5°22 | 4°29 | 5°40 | 4°31 | S 29 |
| S 30 | 12 32 32 | 9°52'48 | 27°16 | 20° 3 | 7°36 | 18°34 | 7°35 | 2°40 | 16° 9 | 23°51 | 16°38 | 5°14 | 4°26 | 5°47 | 4°32 | S 30 |
| M31 | 12 36 28 | 10♈52'35 | 11♐50 | 21♈58 | 8♈51 | 18♏29 | 7♎27 | 2♌39 | 16♎ 7 | 23♑52 | 16♏36 | 5♒ 9 | 4♒23 | 5♊54 | 4♋34 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7s30 | 17s11 | 5s10 | 14s14 | 1s59 | 12s 2 | 1s11 | 14s33 | 2n 9 | 3s 2 | 1n26 | 19n29 | 0n15 | 6s 4 | 0n44 | 20s30 | 0n50 | 0s31 | 16n59 | 18s24 | 18s41 | 25n 4 | 16n18 | 6s57 |
| S 2 | 7 7 | 21 42 | 5 7 | 13 43 | 2 1 | 11 37 | 1 12 | 14 37 | 2 9 | 2 59 | 1 27 | 19 30 | 0 15 | 6 3 | 0 44 | 20 30 | 0 50 | 0 30 | 16 59 | 18 25 | 18 42 | 25 5 | 16 18 | 6 57 |
| M 3 | 6 44 | 24 56 | 4 44 | 13 11 | 2 4 | 11 11 | 1 13 | 14 40 | 2 9 | 2 57 | 1 27 | 19 31 | 0 15 | 6 3 | 0 44 | 20 29 | 0 50 | 0 29 | 17 0 | 18 25 | 18 42 | 25 6 | 16 19 | 6 56 |
| T 4 | 6 21 | 26 34 | 4 5 | 12 38 | 2 6 | 10 45 | 1 14 | 14 43 | 2 9 | 2 54 | 1 27 | 19 31 | 0 15 | 6 2 | 0 44 | 20 29 | 0 50 | 0 29 | 17 0 | 18 25 | 18 43 | 25 7 | 16 19 | 6 56 |
| W 5 | 5 57 | 26 29 | 3 10 | 12 3 | 2 7 | 10 18 | 1 16 | 14 47 | 2 9 | 2 51 | 1 27 | 19 32 | 0 15 | 6 1 | 0 44 | 20 29 | 0 50 | 0 28 | 17 1 | 18 25 | 18 44 | 25 8 | 16 20 | 6 55 |
| T 6 | 5 34 | 24 44 | 2 5 | 11 27 | 2 8 | 9 52 | 1 17 | 14 50 | 2 10 | 2 49 | 1 27 | 19 33 | 0 15 | 6 0 | 0 44 | 20 28 | 0 50 | 0 28 | 17 1 | 18 25 | 18 45 | 25 9 | 16 20 | 6 55 |
| F 7 | 5 11 | 21 30 | 0 54 | 10 51 | 2 9 | 9 25 | 1 18 | 14 53 | 2 10 | 2 46 | 1 27 | 19 34 | 0 15 | 6 0 | 0 44 | 20 28 | 0 50 | 0 27 | 17 2 | 18 24 | 18 46 | 25 10 | 16 21 | 6 54 |
| S 8 | 4 47 | 17 7 | 0n20 | 10 13 | 2 9 | 8 57 | 1 19 | 14 55 | 2 10 | 2 43 | 1 28 | 19 34 | 0 15 | 5 59 | 0 44 | 20 28 | 0 50 | 0 26 | 17 2 | 18 24 | 18 46 | 25 11 | 16 21 | 6 54 |
| S 9 | 4 24 | 11 55 | 1 32 | 9 34 | 2 9 | 8 30 | 1 20 | 14 58 | 2 10 | 2 40 | 1 28 | 19 35 | 0 15 | 5 58 | 0 44 | 20 28 | 0 50 | 0 26 | 17 3 | 18 25 | 18 47 | 25 12 | 16 22 | 6 53 |
| M10 | 4 0 | 6 15 | 2 37 | 8 54 | 2 9 | 8 2 | 1 21 | 15 0 | 2 10 | 2 38 | 1 28 | 19 36 | 0 15 | 5 57 | 0 44 | 20 27 | 0 51 | 0 25 | 17 3 | 18 26 | 18 48 | 25 13 | 16 22 | 6 53 |
| T 11 | 3 37 | 0 25 | 3 33 | 8 12 | 2 8 | 7 34 | 1 22 | 15 3 | 2 10 | 2 35 | 1 28 | 19 36 | 0 15 | 5 56 | 0 44 | 20 27 | 0 51 | 0 24 | 17 4 | 18 27 | 18 49 | 25 14 | 16 23 | 6 52 |
| W12 | 3 13 | 5n19 | 4 17 | 7 30 | 2 6 | 7 6 | 1 22 | 15 5 | 2 10 | 2 32 | 1 28 | 19 37 | 0 16 | 5 55 | 0 44 | 20 27 | 0 51 | 0 24 | 17 4 | 18 29 | 18 49 | 25 15 | 16 23 | 6 52 |
| T 13 | 2 49 | 10 44 | 4 48 | 6 47 | 2 4 | 6 38 | 1 23 | 15 7 | 2 10 | 2 29 | 1 28 | 19 38 | 0 16 | 5 54 | 0 44 | 20 27 | 0 51 | 0 23 | 17 4 | 18 31 | 18 50 | 25 15 | 16 24 | 6 51 |
| F 14 | 2 25 | 15 37 | 5 4 | 6 2 | 2 2 | 6 9 | 1 24 | 15 8 | 2 10 | 2 26 | 1 28 | 19 38 | 0 16 | 5 53 | 0 44 | 20 26 | 0 51 | 0 22 | 17 5 | 18 33 | 18 51 | 25 16 | 16 24 | 6 51 |
| S 15 | 2 2 | 19 47 | 5 6 | 5 17 | 1 59 | 5 40 | 1 24 | 15 10 | 2 10 | 2 23 | 1 29 | 19 39 | 0 16 | 5 53 | 0 44 | 20 26 | 0 51 | 0 22 | 17 5 | 18 35 | 18 52 | 25 17 | 16 25 | 6 50 |
| S 16 | 1 38 | 23 5 | 4 55 | 4 31 | 1 56 | 5 12 | 1 25 | 15 12 | 2 10 | 2 20 | 1 29 | 19 39 | 0 16 | 5 52 | 0 45 | 20 26 | 0 51 | 0 21 | 17 6 | 18 37 | 18 53 | 25 18 | 16 25 | 6 50 |
| M17 | 1 14 | 25 22 | 4 30 | 3 43 | 1 52 | 4 43 | 1 25 | 15 13 | 2 9 | 2 17 | 1 29 | 19 40 | 0 16 | 5 51 | 0 45 | 20 26 | 0 51 | 0 20 | 17 6 | 18 38 | 18 53 | 25 19 | 16 25 | 6 49 |
| T 18 | 0 50 | 26 31 | 3 55 | 2 55 | 1 47 | 4 13 | 1 26 | 15 14 | 2 9 | 2 14 | 1 29 | 19 40 | 0 16 | 5 50 | 0 45 | 20 26 | 0 51 | 0 20 | 17 7 | 18 39 | 18 54 | 25 20 | 16 26 | 6 49 |
| W19 | 0 26 | 26 27 | 3 9 | 2 6 | 1 42 | 3 44 | 1 26 | 15 15 | 2 9 | 2 11 | 1 29 | 19 41 | 0 16 | 5 49 | 0 45 | 20 25 | 0 51 | 0 19 | 17 7 | 18 39 | 18 55 | 25 20 | 16 26 | 6 48 |
| T 20 | 0 3 | 25 9 | 2 14 | 1 15 | 1 37 | 3 15 | 1 26 | 15 16 | 2 9 | 2 8 | 1 29 | 19 41 | 0 16 | 5 48 | 0 45 | 20 25 | 0 51 | 0 18 | 17 8 | 18 39 | 18 56 | 25 21 | 16 27 | 6 48 |
| F 21 | 0n21 | 22 39 | 1 13 | 0 24 | 1 31 | 2 45 | 1 26 | 15 17 | 2 9 | 2 5 | 1 29 | 19 42 | 0 16 | 5 47 | 0 45 | 20 25 | 0 51 | 0 18 | 17 8 | 18 39 | 18 56 | 25 22 | 16 27 | 6 47 |
| S 22 | 0 45 | 19 2 | 0 6 | 0n27 | 1 24 | 2 16 | 1 27 | 15 17 | 2 8 | 2 2 | 1 29 | 19 42 | 0 16 | 5 46 | 0 45 | 20 25 | 0 51 | 0 17 | 17 8 | 18 39 | 18 57 | 25 23 | 16 28 | 6 47 |
| S 23 | 1 9 | 14 27 | 1s 2 | 1 20 | 1 17 | 1 46 | 1 27 | 15 17 | 2 8 | 1 59 | 1 29 | 19 42 | 0 16 | 5 45 | 0 45 | 20 24 | 0 51 | 0 16 | 17 9 | 18 39 | 18 58 | 25 24 | 16 28 | 6 46 |
| M24 | 1 32 | 9 3 | 2 9 | 2 13 | 1 10 | 1 17 | 1 27 | 15 18 | 2 8 | 1 56 | 1 29 | 19 43 | 0 16 | 5 44 | 0 45 | 20 24 | 0 51 | 0 16 | 17 9 | 18 40 | 18 59 | 25 25 | 16 29 | 6 46 |
| T 25 | 1 56 | 3 4 | 3 11 | 3 6 | 1 1 | 0 47 | 1 27 | 15 18 | 2 8 | 1 53 | 1 29 | 19 43 | 0 17 | 5 43 | 0 45 | 20 24 | 0 51 | 0 15 | 17 10 | 18 41 | 18 59 | 25 25 | 16 29 | 6 46 |
| W26 | 2 20 | 3s13 | 4 3 | 4 0 | 0 53 | 0 17 | 1 26 | 15 18 | 2 7 | 1 50 | 1 29 | 19 43 | 0 17 | 5 42 | 0 45 | 20 24 | 0 51 | 0 14 | 17 10 | 18 43 | 19 0 | 25 26 | 16 30 | 6 45 |
| T 27 | 2 43 | 9 28 | 4 40 | 4 54 | 0 43 | 0n12 | 1 26 | 15 17 | 2 7 | 1 46 | 1 29 | 19 44 | 0 17 | 5 41 | 0 45 | 20 24 | 0 51 | 0 14 | 17 10 | 18 45 | 19 1 | 25 27 | 16 30 | 6 45 |
| F 28 | 3 7 | 15 19 | 5 1 | 5 48 | 0 34 | 0 42 | 1 26 | 15 17 | 2 6 | 1 43 | 1 30 | 19 44 | 0 17 | 5 40 | 0 45 | 20 24 | 0 51 | 0 13 | 17 11 | 18 47 | 19 2 | 25 28 | 16 30 | 6 44 |
| S 29 | 3 30 | 20 18 | 5 1 | 6 42 | 0 23 | 1 12 | 1 26 | 15 16 | 2 6 | 1 40 | 1 30 | 19 44 | 0 17 | 5 39 | 0 45 | 20 23 | 0 51 | 0 13 | 17 11 | 18 50 | 19 2 | 25 28 | 16 31 | 6 44 |
| S 30 | 3 54 | 24 1 | 4 41 | 7 36 | 0 13 | 1 42 | 1 25 | 15 15 | 2 5 | 1 37 | 1 30 | 19 44 | 0 17 | 5 38 | 0 45 | 20 23 | 0 51 | 0 12 | 17 11 | 18 52 | 19 3 | 25 29 | 16 31 | 6 43 |
| M31 | 4n17 | 26s 7 | 4s 4 | 8n30 | 0s 1 | 2n11 | 1s25 | 15s14 | 2n 5 | 1s34 | 1n30 | 19n44 | 0n17 | 5s37 | 0n45 | 20s23 | 0n51 | 0s11 | 17n12 | 18s53 | 19s 4 | 25n30 | 16n32 | 6s43 |

Julian Day Number = 2808446.5, Delta T = 52m25s
Ecliptic obliquity = 23°18'52, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'08, Lahiri = 37°32'08


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# ASTRODIENST EPHEMERIS for the year 2977
# geocentric

## APRIL 2977 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 40 25 | 11♈52'21 | 26♐11 | 23♈53 | 10♈ 6 | 18°R22 | 7°R19 | 2°R39 | 16°R 4 | 23♑53 | 16°R35 | 5°R 6 | 4♒20 | 6♊ 0 | 4♋35 | T 1 |
| W 2 | 12 44 21 | 12°52'05 | 10♑16 | 25°46 | 11°21 | 18♏15 | 7♎12 | 2♌39 | 16♎ 2 | 23°54 | 16♏34 | 5°D 5 | 4°16 | 6° 7 | 4°37 | W 2 |
| T 3 | 12 48 18 | 13°51'47 | 24° 5 | 27°36 | 12°36 | 18° 7 | 7° 4 | 2°D39 | 15°59 | 23°54 | 16°33 | 5♒ 5 | 4°13 | 6°14 | 4°39 | T 3 |
| F 4 | 12 52 14 | 14°51'28 | 7♒38 | 29°24 | 13°50 | 17°58 | 6°56 | 2°39 | 15°56 | 23°55 | 16°31 | 5°R 5 | 4°10 | 6°20 | 4°41 | F 4 |
| S 5 | 12 56 11 | 15°51'07 | 20°57 | 1♉10 | 15° 5 | 17°48 | 6°48 | 2°39 | 15°54 | 23°56 | 16°30 | 5° 4 | 4° 7 | 6°27 | 4°43 | S 5 |
| S 6 | 13 0 8 | 16°50'44 | 4♓ 3 | 2°51 | 16°20 | 17°38 | 6°41 | 2°39 | 15°51 | 23°57 | 16°28 | 5° 1 | 4° 4 | 6°34 | 4°45 | S 6 |
| M 7 | 13 4 4 | 17°50'20 | 16°57 | 4°29 | 17°35 | 17°27 | 6°33 | 2°40 | 15°49 | 23°57 | 16°27 | 4°55 | 4° 0 | 6°41 | 4°47 | M 7 |
| T 8 | 13 8 1 | 18°49'53 | 29°41 | 6° 2 | 18°49 | 17°15 | 6°26 | 2°40 | 15°46 | 23°58 | 16°26 | 4°46 | 3°57 | 6°47 | 4°49 | T 8 |
| W 9 | 13 11 57 | 19°49'25 | 12♈14 | 7°31 | 20° 4 | 17° 2 | 6°18 | 2°41 | 15°43 | 23°58 | 16°24 | 4°34 | 3°54 | 6°54 | 4°52 | W 9 |
| T 10 | 13 15 54 | 20°48'55 | 24°38 | 8°54 | 21°19 | 16°49 | 6°11 | 2°41 | 15°41 | 23°59 | 16°23 | 4°21 | 3°51 | 7° 1 | 4°54 | T 10 |
| F 11 | 13 19 50 | 21°48'22 | 6♉51 | 10°12 | 22°33 | 16°35 | 6° 4 | 2°42 | 15°38 | 23°59 | 16°21 | 4° 7 | 3°48 | 7° 7 | 4°56 | F 11 |
| S 12 | 13 23 47 | 22°47'48 | 18°55 | 11°24 | 23°48 | 16°20 | 5°56 | 2°43 | 15°36 | 24° 0 | 16°20 | 3°54 | 3°45 | 7°14 | 4°59 | S 12 |
| S 13 | 13 27 43 | 23°47'12 | 0♊52 | 12°30 | 25° 3 | 16° 4 | 5°49 | 2°44 | 15°33 | 24° 0 | 16°18 | 3°42 | 3°41 | 7°21 | 5° 1 | S 13 |
| M14 | 13 31 40 | 24°46'34 | 12°43 | 13°29 | 26°17 | 15°48 | 5°42 | 2°45 | 15°30 | 24° 1 | 16°17 | 3°33 | 3°38 | 7°27 | 5° 4 | M14 |
| T 15 | 13 35 36 | 25°45'53 | 24°32 | 14°22 | 27°32 | 15°31 | 5°35 | 2°47 | 15°28 | 24° 1 | 16°15 | 3°27 | 3°35 | 7°34 | 5° 7 | T 15 |
| W16 | 13 39 33 | 26°45'10 | 6♋23 | 15° 8 | 28°46 | 15°14 | 5°28 | 2°48 | 15°25 | 24° 1 | 16°13 | 3°23 | 3°32 | 7°41 | 5° 9 | W16 |
| T 17 | 13 43 30 | 27°44'25 | 18°19 | 15°47 | 0♌ 1 | 14°56 | 5°22 | 2°50 | 15°23 | 24° 1 | 16°12 | 3°22 | 3°29 | 7°48 | 5°12 | T 17 |
| F 18 | 13 47 26 | 28°43'38 | 0♌28 | 16°19 | 1°15 | 14°37 | 5°15 | 2°51 | 15°20 | 24° 2 | 16°10 | 3°22 | 3°26 | 7°54 | 5°15 | F 18 |
| S 19 | 13 51 23 | 29°42'48 | 12°53 | 16°44 | 2°30 | 14°18 | 5° 8 | 2°53 | 15°18 | 24° 2 | 16° 9 | 3°22 | 3°22 | 8° 1 | 5°18 | S 19 |
| S 20 | 13 55 19 | 0♌41'56 | 25°41 | 17° 1 | 3°44 | 13°59 | 5° 2 | 2°55 | 15°15 | 24° 2 | 16° 7 | 3°20 | 3°19 | 8° 8 | 5°21 | S 20 |
| M21 | 13 59 16 | 1°41'02 | 8♍54 | 17°12 | 4°59 | 13°39 | 4°55 | 2°57 | 15°13 | 24° 2 | 16° 5 | 3°17 | 3°16 | 8°14 | 5°24 | M21 |
| T 22 | 14 3 12 | 2°40'06 | 22°37 | 17°R16 | 6°13 | 13°18 | 4°49 | 2°59 | 15°10 | 24° 2 | 16° 4 | 3°11 | 3°13 | 8°21 | 5°27 | T 22 |
| W23 | 14 7 9 | 3°39'07 | 6♎49 | 17°13 | 7°28 | 12°57 | 4°43 | 3° 1 | 15° 8 | 24° 2 | 16° 2 | 3° 3 | 3°10 | 8°28 | 5°31 | W23 |
| T 24 | 14 11 5 | 4°38'06 | 21°27 | 17° 3 | 8°42 | 12°36 | 4°37 | 3° 3 | 15° 5 | 24° 3 | 16° 1 | 2°52 | 3° 6 | 8°34 | 5°34 | T 24 |
| F 25 | 14 15 2 | 5°37'04 | 6♏24 | 16°48 | 9°56 | 12°14 | 4°31 | 3° 5 | 15° 3 | 24°R 3 | 15°59 | 2°41 | 3° 3 | 8°41 | 5°37 | F 25 |
| S 26 | 14 18 59 | 6°35'59 | 21°30 | 16°26 | 11°11 | 11°52 | 4°26 | 3° 8 | 15° 1 | 24° 3 | 15°57 | 2°30 | 3° 0 | 8°48 | 5°41 | S 26 |
| S 27 | 14 22 55 | 7°34'53 | 6♐37 | 16° 0 | 12°25 | 11°30 | 4°20 | 3°10 | 14°58 | 24° 2 | 15°56 | 2°20 | 2°57 | 8°55 | 5°44 | S 27 |
| M28 | 14 26 52 | 8°33'44 | 21°33 | 15°29 | 13°39 | 11° 7 | 4°15 | 3°13 | 14°56 | 24° 2 | 15°54 | 2°13 | 2°54 | 9° 1 | 5°48 | M28 |
| T 29 | 14 30 48 | 9°32'35 | 6♑12 | 14°54 | 14°54 | 10°45 | 4° 9 | 3°16 | 14°54 | 24° 2 | 15°52 | 2° 9 | 2°51 | 9° 8 | 5°51 | T 29 |
| W30 | 14 34 45 | 10♌31'23 | 20♑29 | 14♌16 | 16♌ 8 | 10♏22 | 4♎ 4 | 3♌18 | 14♎51 | 24♑ 2 | 15♏51 | 2♒ 7 | 2♒47 | 9♊15 | 5♋55 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4n40 | 26s27 | 3s11 | 9n23 | 0n10 | 2n41 | 1s24 | 15s13 | 2n 4 | 1s31 | 1n30 | 19n45 | 0n17 | 5s36 | 0n45 | 20s23 | 0n51 | 0s11 | 17n12 | 18s54 | 19s 5 | 25n31 | 16n32 | 6s42 |
| W 2 | 5 3 | 25 3 | 2 8 | 10 15 | 0 22 | 3 11 | 1 24 | 15 12 | 2 3 | 1 28 | 1 30 | 19 45 | 0 17 | 5 35 | 0 45 | 20 23 | 0 51 | 0 10 | 17 12 | 18 54 | 19 5 | 25 31 | 16 33 | 6 42 |
| T 3 | 5 26 | 22 8 | 0 58 | 11 6 | 0 34 | 3 40 | 1 23 | 15 10 | 2 3 | 1 25 | 1 30 | 19 45 | 0 17 | 5 34 | 0 45 | 20 23 | 0 51 | 0 9 | 17 13 | 18 54 | 19 6 | 25 32 | 16 33 | 6 41 |
| F 4 | 5 49 | 18 3 | 0n14 | 11 56 | 0 46 | 4 10 | 1 22 | 15 9 | 2 2 | 1 22 | 1 30 | 19 45 | 0 17 | 5 33 | 0 45 | 20 22 | 0 51 | 0 9 | 17 13 | 18 54 | 19 7 | 25 33 | 16 33 | 6 41 |
| S 5 | 6 12 | 13 8 | 1 23 | 12 44 | 0 58 | 4 39 | 1 22 | 15 7 | 2 1 | 1 19 | 1 30 | 19 45 | 0 17 | 5 32 | 0 45 | 20 22 | 0 51 | 0 8 | 17 13 | 18 54 | 19 8 | 25 34 | 16 34 | 6 40 |
| S 6 | 6 35 | 7 41 | 2 27 | 13 30 | 1 11 | 5 9 | 1 21 | 15 5 | 2 0 | 1 16 | 1 30 | 19 45 | 0 17 | 5 31 | 0 45 | 20 22 | 0 51 | 0 7 | 17 14 | 18 55 | 19 8 | 25 34 | 16 34 | 6 40 |
| M 7 | 6 58 | 2 1 | 3 22 | 14 15 | 1 23 | 5 38 | 1 20 | 15 2 | 1 59 | 1 13 | 1 30 | 19 45 | 0 17 | 5 30 | 0 45 | 20 22 | 0 51 | 0 7 | 17 14 | 18 56 | 19 9 | 25 35 | 16 35 | 6 39 |
| T 8 | 7 20 | 3n39 | 4 7 | 14 57 | 1 35 | 6 7 | 1 19 | 15 0 | 1 58 | 1 10 | 1 29 | 19 45 | 0 18 | 5 29 | 0 45 | 20 22 | 0 51 | 0 6 | 17 14 | 18 58 | 19 10 | 25 36 | 16 35 | 6 39 |
| W 9 | 7 43 | 9 5 | 4 38 | 15 37 | 1 46 | 6 36 | 1 18 | 14 57 | 1 57 | 1 7 | 1 29 | 19 45 | 0 18 | 5 28 | 0 45 | 20 22 | 0 51 | 0 5 | 17 14 | 19 1 | 19 11 | 25 36 | 16 35 | 6 39 |
| T 10 | 8 5 | 14 5 | 4 56 | 16 15 | 1 58 | 7 5 | 1 17 | 14 55 | 1 56 | 1 4 | 1 29 | 19 45 | 0 18 | 5 27 | 0 45 | 20 22 | 0 51 | 0 5 | 17 15 | 19 4 | 19 11 | 25 37 | 16 36 | 6 38 |
| F 11 | 8 27 | 18 27 | 5 0 | 16 50 | 2 8 | 7 33 | 1 16 | 14 52 | 1 55 | 1 2 | 1 29 | 19 44 | 0 18 | 5 26 | 0 45 | 20 22 | 0 51 | 0 4 | 17 15 | 19 8 | 19 12 | 25 38 | 16 36 | 6 38 |
| S 12 | 8 49 | 22 0 | 4 50 | 17 22 | 2 18 | 8 2 | 1 15 | 14 49 | 1 54 | 0 59 | 1 29 | 19 44 | 0 18 | 5 25 | 0 45 | 20 21 | 0 51 | 0 4 | 17 15 | 19 11 | 19 13 | 25 38 | 16 36 | 6 37 |
| S 13 | 9 11 | 24 35 | 4 28 | 17 51 | 2 28 | 8 30 | 1 14 | 14 46 | 1 53 | 0 56 | 1 29 | 19 44 | 0 18 | 5 24 | 0 45 | 20 21 | 0 51 | 0 3 | 17 15 | 19 13 | 19 14 | 25 39 | 16 37 | 6 37 |
| M14 | 9 33 | 26 4 | 3 54 | 18 17 | 2 36 | 8 58 | 1 12 | 14 42 | 1 52 | 0 53 | 1 29 | 19 44 | 0 18 | 5 23 | 0 45 | 20 21 | 0 51 | 0 2 | 17 16 | 19 16 | 19 14 | 25 40 | 16 37 | 6 36 |
| T 15 | 9 54 | 26 22 | 3 10 | 18 41 | 2 44 | 9 26 | 1 11 | 14 39 | 1 50 | 0 51 | 1 29 | 19 44 | 0 18 | 5 22 | 0 44 | 20 21 | 0 51 | 0 2 | 17 16 | 19 17 | 19 15 | 25 40 | 16 37 | 6 36 |
| W16 | 10 16 | 25 27 | 2 18 | 19 1 | 2 51 | 9 54 | 1 10 | 14 35 | 1 49 | 0 48 | 1 29 | 19 43 | 0 18 | 5 21 | 0 44 | 20 21 | 0 51 | 0 1 | 17 16 | 19 18 | 19 16 | 25 41 | 16 38 | 6 35 |
| T 17 | 10 37 | 23 22 | 1 19 | 19 17 | 2 56 | 10 21 | 1 8 | 14 31 | 1 47 | 0 45 | 1 29 | 19 43 | 0 18 | 5 20 | 0 44 | 20 21 | 0 51 | 0 1 | 17 16 | 19 18 | 19 17 | 25 41 | 16 38 | 6 35 |
| F 18 | 10 58 | 20 12 | 0 15 | 19 31 | 3 1 | 10 48 | 1 7 | 14 27 | 1 46 | 0 43 | 1 29 | 19 43 | 0 18 | 5 19 | 0 44 | 20 21 | 0 51 | 0n 0 | 17 16 | 19 18 | 19 17 | 25 42 | 16 38 | 6 35 |
| S 19 | 11 19 | 16 3 | 0s50 | 19 41 | 3 4 | 11 15 | 1 5 | 14 23 | 1 44 | 0 40 | 1 29 | 19 42 | 0 18 | 5 19 | 0 44 | 20 21 | 0 51 | 0 1 | 17 16 | 19 18 | 19 18 | 25 43 | 16 39 | 6 34 |
| S 20 | 11 39 | 11 5 | 1 55 | 19 48 | 3 6 | 11 42 | 1 4 | 14 19 | 1 43 | 0 38 | 1 29 | 19 42 | 0 18 | 5 18 | 0 44 | 20 21 | 0 51 | 0 1 | 17 17 | 19 18 | 19 19 | 25 43 | 16 39 | 6 34 |
| M21 | 12 0 | 5 28 | 2 56 | 19 52 | 3 7 | 12 8 | 1 2 | 14 15 | 1 41 | 0 36 | 1 28 | 19 42 | 0 18 | 5 17 | 0 44 | 20 21 | 0 51 | 0 2 | 17 17 | 19 19 | 19 19 | 25 44 | 16 39 | 6 33 |
| T 22 | 12 20 | 0s36 | 3 49 | 19 52 | 3 6 | 12 35 | 1 0 | 14 10 | 1 39 | 0 33 | 1 28 | 19 41 | 0 18 | 5 16 | 0 44 | 20 21 | 0 51 | 0 2 | 17 17 | 19 21 | 19 20 | 25 44 | 16 39 | 6 33 |
| W23 | 12 40 | 6 49 | 4 30 | 19 49 | 3 3 | 13 0 | 0 58 | 14 6 | 1 38 | 0 31 | 1 28 | 19 41 | 0 18 | 5 15 | 0 44 | 20 21 | 0 51 | 0 3 | 17 17 | 19 23 | 19 21 | 25 45 | 16 40 | 6 33 |
| T 24 | 13 0 | 12 52 | 4 54 | 19 42 | 2 59 | 13 26 | 0 57 | 14 1 | 1 36 | 0 29 | 1 28 | 19 40 | 0 19 | 5 14 | 0 44 | 20 21 | 0 51 | 0 3 | 17 17 | 19 25 | 19 22 | 25 46 | 16 40 | 6 32 |
| F 25 | 13 20 | 18 17 | 5 0 | 19 33 | 2 54 | 13 51 | 0 55 | 13 56 | 1 34 | 0 26 | 1 28 | 19 40 | 0 19 | 5 13 | 0 44 | 20 21 | 0 51 | 0 4 | 17 17 | 19 28 | 19 22 | 25 46 | 16 40 | 6 32 |
| S 26 | 13 39 | 22 37 | 4 44 | 19 20 | 2 47 | 14 16 | 0 53 | 13 51 | 1 32 | 0 24 | 1 28 | 19 39 | 0 19 | 5 12 | 0 44 | 20 21 | 0 51 | 0 4 | 17 17 | 19 30 | 19 23 | 25 47 | 16 40 | 6 31 |
| S 27 | 13 58 | 25 23 | 4 9 | 19 4 | 2 39 | 14 40 | 0 51 | 13 47 | 1 30 | 0 22 | 1 28 | 19 39 | 0 19 | 5 11 | 0 44 | 20 21 | 0 51 | 0 5 | 17 17 | 19 32 | 19 24 | 25 47 | 16 41 | 6 31 |
| M28 | 14 17 | 26 19 | 3 17 | 18 46 | 2 29 | 15 4 | 0 49 | 13 42 | 1 28 | 0 20 | 1 28 | 19 38 | 0 19 | 5 10 | 0 44 | 20 21 | 0 51 | 0 5 | 17 17 | 19 34 | 19 25 | 25 48 | 16 41 | 6 31 |
| T 29 | 14 36 | 25 22 | 2 12 | 18 25 | 2 17 | 15 28 | 0 47 | 13 37 | 1 26 | 0 18 | 1 27 | 19 38 | 0 19 | 5 9 | 0 44 | 20 21 | 0 51 | 0 6 | 17 17 | 19 35 | 19 25 | 25 48 | 16 41 | 6 30 |
| W30 | 14n54 | 22s46 | 1s 1 | 18n 1 | 2n 5 | 15n51 | 0s45 | 13s32 | 1n24 | 0s16 | 1n27 | 19n37 | 0n19 | 5s 9 | 0n44 | 20s21 | 0n51 | 0n 6 | 17n18 | 19s35 | 19s26 | 25n49 | 16n41 | 6s30 |

Julian Day Number = 2808477.5, Delta T = 52m26s
Ecliptic obliquity = 23°18'51, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'12, Lahiri = 37°32'13


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# ASTRODIENST EPHEMERIS for the year 2977
# geocentric

## MAY 2977 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 38 41 | 11♉30'10 | 4♒24 | 13°R35 | 17♉22 | 9°R59 | 3°R59 | 3♌21 | 14°R49 | 24°R 2 | 15°R49 | 2°R 7 | 2♒44 | 9♊21 | 5♋58 | T 1 |
| F 2 | 14 42 38 | 12°28'55 | 17°55 | 12♉53 | 18°36 | 9♏36 | 3♎54 | 3°24 | 14♎47 | 24♑ 2 | 15♏47 | 2♒ 7 | 2°41 | 9°28 | 6° 2 | F 2 |
| S 3 | 14 46 34 | 13°27'38 | 1♓ 7 | 12°10 | 19°51 | 9°13 | 3°50 | 3°28 | 14°45 | 24° 2 | 15°45 | 2° 6 | 2°38 | 9°35 | 6° 6 | S 3 |
| S 4 | 14 50 31 | 14°26'20 | 14° 1 | 11°27 | 21° 5 | 8°50 | 3°45 | 3°31 | 14°43 | 24° 1 | 15°44 | 2° 3 | 2°35 | 9°41 | 6°10 | S 4 |
| M 5 | 14 54 28 | 15°25'00 | 26°41 | 10°44 | 22°19 | 8°27 | 3°41 | 3°34 | 14°40 | 24° 1 | 15°42 | 1°57 | 2°32 | 9°48 | 6°14 | M 5 |
| T 6 | 14 58 24 | 16°23'38 | 9♈ 9 | 10° 3 | 23°33 | 8° 5 | 3°37 | 3°38 | 14°38 | 24° 1 | 15°40 | 1°49 | 2°28 | 9°55 | 6°18 | T 6 |
| W 7 | 15 2 21 | 17°22'15 | 21°27 | 9°25 | 24°47 | 7°42 | 3°32 | 3°41 | 14°36 | 24° 0 | 15°39 | 1°38 | 2°25 | 10° 1 | 6°22 | W 7 |
| T 8 | 15 6 17 | 18°20'49 | 3♉37 | 8°49 | 26° 2 | 7°20 | 3°29 | 3°45 | 14°34 | 24° 0 | 15°37 | 1°25 | 2°22 | 10° 8 | 6°26 | T 8 |
| F 9 | 15 10 14 | 19°19'23 | 15°40 | 8°16 | 27°16 | 6°58 | 3°25 | 3°48 | 14°32 | 23°59 | 15°35 | 1°11 | 2°19 | 10°15 | 6°30 | F 9 |
| S 10 | 15 14 10 | 20°17'54 | 27°37 | 7°48 | 28°30 | 6°36 | 3°21 | 3°52 | 14°30 | 23°59 | 15°34 | 0°59 | 2°16 | 10°22 | 6°34 | S 10 |
| S 11 | 15 18 7 | 21°16'24 | 9♊29 | 7°23 | 29°44 | 6°15 | 3°18 | 3°56 | 14°28 | 23°58 | 15°32 | 0°47 | 2°12 | 10°28 | 6°38 | S 11 |
| M12 | 15 22 3 | 22°14'51 | 21°18 | 7° 3 | 0♊58 | 5°54 | 3°15 | 4° 0 | 14°26 | 23°58 | 15°30 | 0°39 | 2° 9 | 10°35 | 6°43 | M12 |
| T 13 | 15 26 0 | 23°13'17 | 3♋ 7 | 6°48 | 2°12 | 5°33 | 3°12 | 4° 4 | 14°25 | 23°57 | 15°29 | 0°33 | 2° 6 | 10°42 | 6°47 | T 13 |
| W14 | 15 29 57 | 24°11'41 | 14°58 | 6°37 | 3°26 | 5°13 | 3° 9 | 4° 8 | 14°23 | 23°57 | 15°27 | 0°29 | 2° 3 | 10°48 | 6°51 | W14 |
| T 15 | 15 33 53 | 25°10'02 | 26°55 | 6°31 | 4°40 | 4°54 | 3° 6 | 4°12 | 14°21 | 23°56 | 15°25 | 0°D28 | 2° 0 | 10°55 | 6°56 | T 15 |
| F 16 | 15 37 50 | 26° 8'22 | 9♌ 3 | 6°D30 | 5°54 | 4°35 | 3° 4 | 4°17 | 14°19 | 23°55 | 15°24 | 0°28 | 1°57 | 11° 2 | 7° 0 | F 16 |
| S 17 | 15 41 46 | 27° 6'40 | 21°27 | 6°34 | 7° 8 | 4°16 | 3° 2 | 4°21 | 14°18 | 23°55 | 15°22 | 0°R29 | 1°53 | 11° 8 | 7° 5 | S 17 |
| S 18 | 15 45 43 | 28° 4'56 | 4♍10 | 6°42 | 8°22 | 3°59 | 2°59 | 4°26 | 14°16 | 23°54 | 15°20 | 0°29 | 1°50 | 11°15 | 7° 9 | S 18 |
| M19 | 15 49 39 | 29° 3'09 | 17°19 | 6°56 | 9°36 | 3°41 | 2°57 | 4°30 | 14°14 | 23°53 | 15°19 | 0°27 | 1°47 | 11°22 | 7°14 | M19 |
| T 20 | 15 53 36 | 0♊ 1'21 | 0♎57 | 7°13 | 10°50 | 3°25 | 2°56 | 4°35 | 14°13 | 23°53 | 15°17 | 0°23 | 1°44 | 11°28 | 7°18 | T 20 |
| W21 | 15 57 32 | 0°59'31 | 15° 4 | 7°36 | 12° 4 | 3° 9 | 2°54 | 4°40 | 14°11 | 23°52 | 15°15 | 0°17 | 1°41 | 11°35 | 7°23 | W21 |
| T 22 | 16 1 29 | 1°57'38 | 29°40 | 8° 2 | 13°17 | 2°54 | 2°53 | 4°44 | 14°10 | 23°51 | 15°14 | 0°10 | 1°38 | 11°42 | 7°28 | T 22 |
| F 23 | 16 5 26 | 2°55'44 | 14♏38 | 8°33 | 14°31 | 2°39 | 2°52 | 4°49 | 14° 8 | 23°50 | 15°12 | 0° 1 | 1°34 | 11°49 | 7°32 | F 23 |
| S 24 | 16 9 22 | 3°53'49 | 29°52 | 9° 8 | 15°45 | 2°26 | 2°50 | 4°54 | 14° 7 | 23°49 | 15°11 | 29♑53 | 1°31 | 11°55 | 7°37 | S 24 |
| S 25 | 16 13 19 | 4°51'52 | 15♐ 9 | 9°47 | 16°59 | 2°13 | 2°50 | 4°59 | 14° 5 | 23°48 | 15° 9 | 29°46 | 1°28 | 12° 2 | 7°42 | S 25 |
| M26 | 16 17 15 | 5°49'53 | 0♑20 | 10°29 | 18°13 | 2° 1 | 2°49 | 5° 5 | 14° 4 | 23°47 | 15° 7 | 29°41 | 1°25 | 12° 9 | 7°47 | M26 |
| T 27 | 16 21 12 | 6°47'53 | 15°15 | 11°15 | 19°26 | 1°49 | 2°49 | 5°10 | 14° 3 | 23°47 | 15° 6 | 29°38 | 1°22 | 12°15 | 7°52 | T 27 |
| W28 | 16 25 8 | 7°45'52 | 29°47 | 12° 5 | 20°40 | 1°38 | 2°48 | 5°15 | 14° 2 | 23°46 | 15° 4 | 29°D37 | 1°18 | 12°22 | 7°56 | W28 |
| T 29 | 16 29 5 | 8°43'49 | 13♒53 | 12°58 | 21°54 | 1°28 | 2°D48 | 5°20 | 14° 0 | 23°45 | 15° 3 | 29°37 | 1°15 | 12°29 | 8° 1 | T 29 |
| F 30 | 16 33 2 | 9°41'45 | 27°32 | 13°54 | 23° 8 | 1°19 | 2°48 | 5°26 | 13°59 | 23°44 | 15° 1 | 29°38 | 1°12 | 12°35 | 8° 6 | F 30 |
| S 31 | 16 36 58 | 10♊39'40 | 10♓47 | 14♉54 | 24♊21 | 1♏11 | 2♎48 | 5♌31 | 13♎58 | 23♑42 | 15♏ 0 | 29°R39 | 1♒ 9 | 12♊42 | 8♋11 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15n12 | 18s52 | 0n12 | 17n36 | 1n51 | 16n14 | 0s43 | 13s27 | 1n21 | 0s15 | 1n27 | 19n37 | 0n19 | 5s 8 | 0n44 | 20s21 | 0n51 | 0n 7 | 17n18 | 19s35 | 19s27 | 25n49 | 16n42 | 6s30 |
| F 2 | 15 30 | 14 4 | 1 23 | 17 9 | 1 36 | 16 37 | 0 41 | 13 21 | 1 19 | 0 13 | 1 27 | 19 36 | 0 19 | 5 7 | 0 44 | 20 21 | 0 51 | 0 7 | 17 18 | 19 35 | 19 27 | 25 50 | 16 42 | 6 29 |
| S 3 | 15 48 | 8 44 | 2 27 | 16 41 | 1 21 | 16 59 | 0 39 | 13 16 | 1 17 | 0 11 | 1 27 | 19 35 | 0 19 | 5 6 | 0 44 | 20 21 | 0 52 | 0 8 | 17 18 | 19 35 | 19 28 | 25 50 | 16 42 | 6 29 |
| S 4 | 16 5 | 3 8 | 3 22 | 16 13 | 1 5 | 17 21 | 0 37 | 13 11 | 1 15 | 0 9 | 1 27 | 19 35 | 0 19 | 5 5 | 0 44 | 20 21 | 0 52 | 0 8 | 17 18 | 19 36 | 19 29 | 25 51 | 16 42 | 6 29 |
| M 5 | 16 22 | 2n28 | 4 6 | 15 43 | 0 48 | 17 42 | 0 35 | 13 6 | 1 12 | 0 8 | 1 26 | 19 34 | 0 19 | 5 5 | 0 44 | 20 21 | 0 52 | 0 9 | 17 18 | 19 37 | 19 30 | 25 51 | 16 42 | 6 28 |
| T 6 | 16 39 | 7 52 | 4 38 | 15 14 | 0 31 | 18 2 | 0 32 | 13 1 | 1 10 | 0 6 | 1 26 | 19 33 | 0 19 | 5 4 | 0 44 | 20 21 | 0 52 | 0 9 | 17 18 | 19 39 | 19 30 | 25 52 | 16 42 | 6 28 |
| W 7 | 16 56 | 12 54 | 4 56 | 14 46 | 0 14 | 18 23 | 0 30 | 12 56 | 1 8 | 0 5 | 1 26 | 19 32 | 0 19 | 5 3 | 0 44 | 20 21 | 0 52 | 0 10 | 17 18 | 19 42 | 19 31 | 25 52 | 16 43 | 6 28 |
| T 8 | 17 12 | 17 22 | 5 1 | 14 18 | 0s 4 | 18 43 | 0 28 | 12 51 | 1 5 | 0 4 | 1 26 | 19 32 | 0 19 | 5 2 | 0 44 | 20 21 | 0 52 | 0 10 | 17 17 | 19 44 | 19 32 | 25 53 | 16 43 | 6 27 |
| F 9 | 17 28 | 21 5 | 4 51 | 13 52 | 0 21 | 19 2 | 0 26 | 12 47 | 1 3 | 0 2 | 1 26 | 19 31 | 0 19 | 5 1 | 0 44 | 20 21 | 0 52 | 0 10 | 17 17 | 19 47 | 19 32 | 25 53 | 16 43 | 6 27 |
| S 10 | 17 44 | 23 54 | 4 30 | 13 27 | 0 37 | 19 21 | 0 23 | 12 42 | 1 0 | 0 1 | 1 26 | 19 30 | 0 19 | 5 1 | 0 44 | 20 21 | 0 52 | 0 11 | 17 17 | 19 50 | 19 33 | 25 54 | 16 43 | 6 27 |
| S 11 | 17 59 | 25 39 | 3 56 | 13 4 | 0 53 | 19 39 | 0 21 | 12 37 | 0 58 | 0n 0 | 1 25 | 19 29 | 0 20 | 5 0 | 0 44 | 20 21 | 0 52 | 0 11 | 17 17 | 19 53 | 19 34 | 25 54 | 16 43 | 6 26 |
| M12 | 18 14 | 26 14 | 3 12 | 12 43 | 1 9 | 19 57 | 0 19 | 12 33 | 0 55 | 0 1 | 1 25 | 19 28 | 0 20 | 4 59 | 0 44 | 20 21 | 0 52 | 0 12 | 17 17 | 19 54 | 19 35 | 25 55 | 16 43 | 6 26 |
| T 13 | 18 29 | 25 37 | 2 20 | 12 24 | 1 24 | 20 14 | 0 16 | 12 28 | 0 53 | 0 2 | 1 25 | 19 27 | 0 20 | 4 59 | 0 44 | 20 21 | 0 52 | 0 12 | 17 17 | 19 56 | 19 35 | 25 55 | 16 43 | 6 26 |
| W14 | 18 43 | 23 50 | 1 22 | 12 7 | 1 38 | 20 30 | 0 14 | 12 24 | 0 50 | 0 3 | 1 25 | 19 26 | 0 20 | 4 58 | 0 44 | 20 21 | 0 52 | 0 12 | 17 17 | 19 56 | 19 36 | 25 55 | 16 43 | 6 26 |
| T 15 | 18 57 | 20 58 | 0 19 | 11 52 | 1 51 | 20 46 | 0 11 | 12 20 | 0 48 | 0 4 | 1 25 | 19 25 | 0 20 | 4 57 | 0 44 | 20 21 | 0 52 | 0 13 | 17 17 | 19 57 | 19 37 | 25 56 | 16 43 | 6 25 |
| F 16 | 19 11 | 17 10 | 0s46 | 11 40 | 2 4 | 21 2 | 0 9 | 12 16 | 0 45 | 0 5 | 1 24 | 19 25 | 0 20 | 4 57 | 0 44 | 20 22 | 0 52 | 0 13 | 17 17 | 19 57 | 19 37 | 25 56 | 16 43 | 6 25 |
| S 17 | 19 25 | 12 33 | 1 50 | 11 30 | 2 15 | 21 17 | 0 7 | 12 12 | 0 43 | 0 6 | 1 24 | 19 24 | 0 20 | 4 56 | 0 44 | 20 22 | 0 52 | 0 13 | 17 17 | 19 57 | 19 38 | 25 57 | 16 43 | 6 25 |
| S 18 | 19 38 | 7 17 | 2 50 | 11 23 | 2 26 | 21 31 | 0 4 | 12 9 | 0 40 | 0 6 | 1 24 | 19 23 | 0 20 | 4 55 | 0 44 | 20 22 | 0 52 | 0 13 | 17 17 | 19 57 | 19 39 | 25 57 | 16 43 | 6 24 |
| M19 | 19 51 | 1 33 | 3 43 | 11 18 | 2 35 | 21 45 | 0 2 | 12 5 | 0 38 | 0 7 | 1 24 | 19 22 | 0 20 | 4 55 | 0 44 | 20 22 | 0 52 | 0 14 | 17 16 | 19 57 | 19 40 | 25 57 | 16 43 | 6 24 |
| T 20 | 20 3 | 4s27 | 4 26 | 11 16 | 2 44 | 21 58 | 0n 1 | 12 2 | 0 35 | 0 7 | 1 24 | 19 20 | 0 20 | 4 54 | 0 44 | 20 22 | 0 52 | 0 14 | 17 16 | 19 58 | 19 40 | 25 58 | 16 43 | 6 24 |
| W21 | 20 15 | 10 26 | 4 54 | 11 15 | 2 52 | 22 10 | 0 3 | 11 59 | 0 33 | 0 8 | 1 23 | 19 19 | 0 20 | 4 54 | 0 44 | 20 22 | 0 52 | 0 14 | 17 16 | 19 59 | 19 41 | 25 58 | 16 43 | 6 24 |
| T 22 | 20 27 | 16 3 | 5 5 | 11 17 | 2 59 | 22 22 | 0 6 | 11 56 | 0 30 | 0 8 | 1 23 | 19 18 | 0 20 | 4 53 | 0 44 | 20 22 | 0 52 | 0 15 | 17 16 | 20 1 | 19 42 | 25 59 | 16 43 | 6 23 |
| F 23 | 20 38 | 20 51 | 4 55 | 11 21 | 3 5 | 22 33 | 0 8 | 11 54 | 0 28 | 0 8 | 1 23 | 19 17 | 0 20 | 4 53 | 0 44 | 20 22 | 0 52 | 0 15 | 17 16 | 20 2 | 19 42 | 25 59 | 16 43 | 6 23 |
| S 24 | 20 49 | 24 19 | 4 25 | 11 27 | 3 11 | 22 44 | 0 11 | 11 51 | 0 26 | 0 9 | 1 23 | 19 16 | 0 20 | 4 52 | 0 44 | 20 22 | 0 52 | 0 15 | 17 15 | 20 4 | 19 43 | 25 59 | 16 43 | 6 23 |
| S 25 | 21 0 | 26 3 | 3 35 | 11 35 | 3 15 | 22 54 | 0 13 | 11 49 | 0 23 | 0 9 | 1 22 | 19 15 | 0 20 | 4 52 | 0 43 | 20 23 | 0 52 | 0 15 | 17 15 | 20 6 | 19 44 | 26 0 | 16 43 | 6 23 |
| M26 | 21 10 | 25 49 | 2 30 | 11 45 | 3 19 | 23 3 | 0 16 | 11 47 | 0 21 | 0 9 | 1 22 | 19 14 | 0 20 | 4 51 | 0 43 | 20 23 | 0 52 | 0 15 | 17 15 | 20 7 | 19 44 | 26 0 | 16 43 | 6 23 |
| T 27 | 21 20 | 23 43 | 1 16 | 11 56 | 3 21 | 23 12 | 0 18 | 11 45 | 0 18 | 0 9 | 1 22 | 19 13 | 0 20 | 4 51 | 0 43 | 20 23 | 0 52 | 0 16 | 17 15 | 20 7 | 19 45 | 26 0 | 16 43 | 6 22 |
| W28 | 21 29 | 20 5 | 0n 1 | 12 9 | 3 23 | 23 20 | 0 20 | 11 44 | 0 16 | 0 9 | 1 22 | 19 11 | 0 21 | 4 50 | 0 43 | 20 23 | 0 52 | 0 16 | 17 15 | 20 8 | 19 46 | 26 1 | 16 43 | 6 22 |
| T 29 | 21 39 | 15 22 | 1 16 | 12 24 | 3 25 | 23 27 | 0 23 | 11 43 | 0 14 | 0 8 | 1 22 | 19 10 | 0 21 | 4 50 | 0 43 | 20 23 | 0 52 | 0 16 | 17 14 | 20 7 | 19 47 | 26 1 | 16 43 | 6 22 |
| F 30 | 21 47 | 10 0 | 2 25 | 12 40 | 3 25 | 23 33 | 0 25 | 11 42 | 0 11 | 0 8 | 1 21 | 19 9 | 0 21 | 4 49 | 0 43 | 20 23 | 0 52 | 0 16 | 17 14 | 20 7 | 19 47 | 26 1 | 16 43 | 6 22 |
| S 31 | 21n56 | 4s21 | 3n23 | 12n57 | 3s25 | 23n39 | 0n28 | 11s41 | 0n 9 | 0n 8 | 1n21 | 19n 8 | 0n21 | 4s49 | 0n43 | 20s24 | 0n52 | 0n16 | 17n14 | 20s 7 | 19s48 | 26n 1 | 16n43 | 6s22 |

Julian Day Number = 2808507.5, Delta T = 52m26s
Ecliptic obliquity = 23°18'51, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'16, Lahiri = 37°32'17


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# ASTRODIENST EPHEMERIS for the year 2977
# geocentric

## JUNE 2977 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 40 55 | 11♊37'33 | 23♓40 | 15♉56 | 25♊35 | 1°R 3 | 2♎49 | 5♌37 | 13°R57 | 23°R41 | 14°R58 | 29°R38 | 1♒ 6 | 12♊49 | 8♋16 | S 1 |
| M 2 | 16 44 51 | 12°35'26 | 6♈14 | 17° 1 | 26°49 | 0♏57 | 2°49 | 5°42 | 13♎56 | 23♑40 | 14♏57 | 29♑36 | 1° 3 | 12°55 | 8°21 | M 2 |
| T 3 | 16 48 48 | 13°33'17 | 18°34 | 18°10 | 28° 2 | 0°51 | 2°50 | 5°48 | 13°55 | 23°39 | 14°55 | 29°31 | 0°59 | 13° 2 | 8°26 | T 3 |
| W 4 | 16 52 44 | 14°31'07 | 0♉43 | 19°21 | 29°16 | 0°45 | 2°51 | 5°54 | 13°54 | 23°38 | 14°54 | 29°25 | 0°56 | 13° 9 | 8°32 | W 4 |
| T 5 | 16 56 41 | 15°28'56 | 12°44 | 20°34 | 0♋29 | 0°41 | 2°52 | 6° 0 | 13°54 | 23°37 | 14°53 | 29°17 | 0°53 | 13°16 | 8°37 | T 5 |
| F 6 | 17 0 37 | 16°26'44 | 24°39 | 21°51 | 1°43 | 0°38 | 2°54 | 6° 6 | 13°53 | 23°36 | 14°51 | 29° 9 | 0°50 | 13°22 | 8°42 | F 6 |
| S 7 | 17 4 34 | 17°24'30 | 6♊31 | 23°10 | 2°56 | 0°35 | 2°55 | 6°11 | 13°52 | 23°34 | 14°50 | 29° 1 | 0°47 | 13°29 | 8°47 | S 7 |
| S 8 | 17 8 31 | 18°22'16 | 18°20 | 24°31 | 4°10 | 0°33 | 2°57 | 6°17 | 13°51 | 23°33 | 14°49 | 28°54 | 0°44 | 13°36 | 8°52 | S 8 |
| M 9 | 17 12 27 | 19°20'00 | 0♋10 | 25°56 | 5°24 | 0°32 | 2°59 | 6°24 | 13°51 | 23°32 | 14°47 | 28°49 | 0°40 | 13°42 | 8°57 | M 9 |
| T 10 | 17 16 24 | 20°17'43 | 12° 2 | 27°22 | 6°37 | 0°D31 | 3° 1 | 6°30 | 13°50 | 23°31 | 14°46 | 28°46 | 0°37 | 13°49 | 9° 3 | T 10 |
| W11 | 17 20 20 | 21°15'24 | 23°58 | 28°51 | 7°51 | 0°32 | 3° 3 | 6°36 | 13°50 | 23°29 | 14°45 | 28°D44 | 0°34 | 13°56 | 9° 8 | W11 |
| T 12 | 17 24 17 | 22°13'05 | 6♌ 0 | 0♊23 | 9° 4 | 0°33 | 3° 5 | 6°42 | 13°49 | 23°28 | 14°43 | 28°44 | 0°31 | 14° 2 | 9°13 | T 12 |
| F 13 | 17 28 13 | 23°10'43 | 18°14 | 1°57 | 10°17 | 0°35 | 3° 8 | 6°48 | 13°49 | 23°27 | 14°42 | 28°45 | 0°28 | 14° 9 | 9°19 | F 13 |
| S 14 | 17 32 10 | 24° 8'21 | 0♍41 | 3°33 | 11°31 | 0°38 | 3°11 | 6°55 | 13°49 | 23°25 | 14°41 | 28°47 | 0°24 | 14°16 | 9°24 | S 14 |
| S 15 | 17 36 6 | 25° 5'57 | 13°26 | 5°12 | 12°44 | 0°41 | 3°14 | 7° 1 | 13°48 | 23°24 | 14°40 | 28°48 | 0°21 | 14°22 | 9°29 | S 15 |
| M16 | 17 40 3 | 26° 3'31 | 26°33 | 6°54 | 13°58 | 0°46 | 3°17 | 7° 8 | 13°48 | 23°23 | 14°39 | 28°R49 | 0°18 | 14°29 | 9°35 | M16 |
| T 17 | 17 44 0 | 27° 1'04 | 10♎ 4 | 8°37 | 15°11 | 0°50 | 3°20 | 7°14 | 13°48 | 23°21 | 14°37 | 28°48 | 0°15 | 14°36 | 9°40 | T 17 |
| W18 | 17 47 56 | 27°58'36 | 24° 2 | 10°23 | 16°24 | 0°56 | 3°23 | 7°21 | 13°48 | 23°20 | 14°36 | 28°46 | 0°12 | 14°42 | 9°45 | W18 |
| T 19 | 17 51 53 | 28°56'07 | 8♏26 | 12°12 | 17°38 | 1° 3 | 3°27 | 7°27 | 13°47 | 23°18 | 14°35 | 28°43 | 0° 9 | 14°49 | 9°51 | T 19 |
| F 20 | 17 55 49 | 29°53'37 | 23°12 | 14° 3 | 18°51 | 1°10 | 3°31 | 7°34 | 13°D47 | 23°17 | 14°34 | 28°39 | 0° 5 | 14°56 | 9°56 | F 20 |
| S 21 | 17 59 46 | 0♋51'05 | 8♐16 | 15°56 | 20° 4 | 1°17 | 3°34 | 7°41 | 13°47 | 23°16 | 14°33 | 28°35 | 0° 2 | 15° 3 | 10° 2 | S 21 |
| S 22 | 18 3 42 | 1°48'33 | 23°28 | 17°51 | 21°17 | 1°26 | 3°39 | 7°47 | 13°48 | 23°14 | 14°32 | 28°32 | 29♑59 | 15° 9 | 10° 7 | S 22 |
| M23 | 18 7 39 | 2°45'59 | 8♑38 | 19°49 | 22°31 | 1°35 | 3°43 | 7°54 | 13°48 | 23°13 | 14°31 | 28°30 | 29°56 | 15°16 | 10°13 | M23 |
| T 24 | 18 11 35 | 3°43'25 | 23°37 | 21°49 | 23°44 | 1°45 | 3°47 | 8° 1 | 13°48 | 23°11 | 14°30 | 28°D29 | 29°53 | 15°23 | 10°18 | T 24 |
| W25 | 18 15 32 | 4°40'50 | 8♒16 | 23°51 | 24°57 | 1°55 | 3°52 | 8° 8 | 13°48 | 23°10 | 14°29 | 28°29 | 29°50 | 15°29 | 10°23 | W25 |
| T 26 | 18 19 29 | 5°38'14 | 22°32 | 25°55 | 26°10 | 2° 6 | 3°56 | 8°15 | 13°48 | 23° 8 | 14°28 | 28°30 | 29°46 | 15°36 | 10°29 | T 26 |
| F 27 | 18 23 25 | 6°35'38 | 6♓20 | 28° 1 | 27°23 | 2°18 | 4° 1 | 8°22 | 13°49 | 23° 7 | 14°27 | 28°32 | 29°43 | 15°43 | 10°34 | F 27 |
| S 28 | 18 27 22 | 7°33'01 | 19°42 | 0♋ 8 | 28°36 | 2°30 | 4° 6 | 8°29 | 13°49 | 23° 5 | 14°27 | 28°33 | 29°40 | 15°49 | 10°40 | S 28 |
| S 29 | 18 31 18 | 8°30'23 | 2♈40 | 2°16 | 29°49 | 2°42 | 4°11 | 8°36 | 13°49 | 23° 3 | 14°26 | 28°34 | 29°37 | 15°56 | 10°45 | S 29 |
| M30 | 18 35 15 | 9♋27'46 | 15♈16 | 4♋26 | 1♌ 3 | 2♏56 | 4♎17 | 8♌43 | 13♎50 | 23♑ 2 | 14♏25 | 28°R34 | 29♑34 | 16♊ 3 | 10♋51 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n 4 | 1n19 | 4n10 | 13n16 | 3s24 | 23n45 | 0n30 | 11s40 | 0n 7 | 0n 8 | 1n21 | 19n 6 | 0n21 | 4s49 | 0n43 | 20s24 | 0n52 | 0n16 | 17n13 | 20s 7 | 19s49 | 26n 2 | 16n43 | 6s21 |
| M 2 | 22 11 | 6 48 | 4 43 | 13 36 | 3 22 | 23 49 | 0 33 | 11 40 | 0 5 | 0 7 | 1 21 | 19 5 | 0 21 | 4 48 | 0 43 | 20 24 | 0 52 | 0 17 | 17 13 | 20 8 | 19 49 | 26 2 | 16 43 | 6 21 |
| T 3 | 22 18 | 11 54 | 5 3 | 13 57 | 3 20 | 23 53 | 0 35 | 11 40 | 0 2 | 0 7 | 1 21 | 19 4 | 0 21 | 4 48 | 0 43 | 20 24 | 0 52 | 0 17 | 17 13 | 20 9 | 19 50 | 26 2 | 16 42 | 6 21 |
| W 4 | 22 25 | 16 28 | 5 8 | 14 19 | 3 17 | 23 56 | 0 37 | 11 40 | 0 0 | 0 6 | 1 20 | 19 2 | 0 21 | 4 48 | 0 43 | 20 24 | 0 52 | 0 17 | 17 13 | 20 10 | 19 51 | 26 3 | 16 42 | 6 21 |
| T 5 | 22 32 | 20 20 | 5 0 | 14 42 | 3 13 | 23 58 | 0 40 | 11 41 | 0s 2 | 0 5 | 1 20 | 19 1 | 0 21 | 4 47 | 0 43 | 20 24 | 0 52 | 0 17 | 17 12 | 20 12 | 19 51 | 26 3 | 16 42 | 6 21 |
| F 6 | 22 38 | 23 20 | 4 38 | 15 5 | 3 9 | 24 0 | 0 42 | 11 42 | 0 4 | 0 5 | 1 20 | 18 59 | 0 21 | 4 47 | 0 43 | 20 25 | 0 52 | 0 17 | 17 12 | 20 13 | 19 52 | 26 3 | 16 42 | 6 21 |
| S 7 | 22 43 | 25 19 | 4 5 | 15 30 | 3 4 | 24 1 | 0 44 | 11 43 | 0 6 | 0 4 | 1 20 | 18 58 | 0 21 | 4 47 | 0 43 | 20 25 | 0 52 | 0 17 | 17 12 | 20 15 | 19 53 | 26 3 | 16 42 | 6 21 |
| S 8 | 22 48 | 26 9 | 3 22 | 15 55 | 2 59 | 24 1 | 0 46 | 11 44 | 0 8 | 0 3 | 1 19 | 18 57 | 0 21 | 4 47 | 0 43 | 20 25 | 0 52 | 0 17 | 17 11 | 20 16 | 19 53 | 26 4 | 16 41 | 6 20 |
| M 9 | 22 53 | 25 48 | 2 29 | 16 20 | 2 53 | 24 1 | 0 49 | 11 46 | 0 10 | 0 2 | 1 19 | 18 55 | 0 21 | 4 47 | 0 43 | 20 25 | 0 52 | 0 17 | 17 11 | 20 17 | 19 54 | 26 4 | 16 41 | 6 20 |
| T 10 | 22 58 | 24 16 | 1 30 | 16 46 | 2 46 | 24 0 | 0 51 | 11 47 | 0 12 | 0 1 | 1 19 | 18 54 | 0 21 | 4 46 | 0 43 | 20 25 | 0 52 | 0 17 | 17 11 | 20 18 | 19 55 | 26 4 | 16 41 | 6 20 |
| W11 | 23 2 | 21 38 | 0 26 | 17 12 | 2 40 | 23 58 | 0 53 | 11 49 | 0 14 | 0s 0 | 1 19 | 18 52 | 0 21 | 4 46 | 0 43 | 20 26 | 0 52 | 0 17 | 17 10 | 20 18 | 19 55 | 26 4 | 16 41 | 6 20 |
| T 12 | 23 5 | 18 2 | 0s40 | 17 39 | 2 32 | 23 55 | 0 55 | 11 52 | 0 16 | 0 1 | 1 19 | 18 51 | 0 21 | 4 46 | 0 43 | 20 26 | 0 52 | 0 17 | 17 10 | 20 18 | 19 56 | 26 4 | 16 41 | 6 20 |
| F 13 | 23 8 | 13 38 | 1 44 | 18 5 | 2 24 | 23 52 | 0 57 | 11 54 | 0 18 | 0 2 | 1 18 | 18 49 | 0 21 | 4 46 | 0 43 | 20 26 | 0 52 | 0 17 | 17 9 | 20 18 | 19 57 | 26 5 | 16 40 | 6 20 |
| S 14 | 23 11 | 8 35 | 2 46 | 18 32 | 2 16 | 23 48 | 0 59 | 11 57 | 0 20 | 0 4 | 1 18 | 18 48 | 0 22 | 4 46 | 0 43 | 20 26 | 0 52 | 0 17 | 17 9 | 20 18 | 19 57 | 26 5 | 16 40 | 6 20 |
| S 15 | 23 13 | 3 5 | 3 40 | 18 58 | 2 7 | 23 44 | 1 1 | 12 0 | 0 22 | 0 5 | 1 18 | 18 46 | 0 22 | 4 46 | 0 43 | 20 27 | 0 52 | 0 17 | 17 9 | 20 17 | 19 58 | 26 5 | 16 40 | 6 20 |
| M16 | 23 15 | 2s41 | 4 25 | 19 25 | 1 58 | 23 38 | 1 3 | 12 3 | 0 24 | 0 6 | 1 18 | 18 45 | 0 22 | 4 46 | 0 43 | 20 27 | 0 52 | 0 17 | 17 8 | 20 17 | 19 59 | 26 5 | 16 39 | 6 20 |
| T 17 | 23 17 | 8 31 | 4 56 | 19 51 | 1 48 | 23 32 | 1 5 | 12 6 | 0 25 | 0 8 | 1 17 | 18 43 | 0 22 | 4 46 | 0 43 | 20 27 | 0 52 | 0 17 | 17 8 | 20 17 | 19 59 | 26 5 | 16 39 | 6 20 |
| W18 | 23 18 | 14 6 | 5 12 | 20 16 | 1 38 | 23 26 | 1 7 | 12 10 | 0 27 | 0 9 | 1 17 | 18 41 | 0 22 | 4 46 | 0 42 | 20 27 | 0 52 | 0 16 | 17 7 | 20 18 | 20 0 | 26 6 | 16 39 | 6 20 |
| T 19 | 23 19 | 19 6 | 5 9 | 20 41 | 1 28 | 23 18 | 1 9 | 12 14 | 0 29 | 0 11 | 1 17 | 18 40 | 0 22 | 4 46 | 0 42 | 20 27 | 0 52 | 0 16 | 17 7 | 20 19 | 20 1 | 26 6 | 16 38 | 6 20 |
| F 20 | 23 19 | 23 4 | 4 45 | 21 5 | 1 18 | 23 10 | 1 11 | 12 18 | 0 31 | 0 13 | 1 17 | 18 38 | 0 22 | 4 46 | 0 42 | 20 28 | 0 52 | 0 16 | 17 7 | 20 19 | 20 2 | 26 6 | 16 38 | 6 20 |
| S 21 | 23 19 | 25 32 | 4 1 | 21 28 | 1 7 | 23 1 | 1 13 | 12 22 | 0 32 | 0 15 | 1 17 | 18 37 | 0 22 | 4 46 | 0 42 | 20 28 | 0 52 | 0 16 | 17 6 | 20 20 | 20 2 | 26 6 | 16 38 | 6 19 |
| S 22 | 23 18 | 26 10 | 3 1 | 21 50 | 0 56 | 22 52 | 1 15 | 12 26 | 0 34 | 0 16 | 1 16 | 18 35 | 0 22 | 4 46 | 0 42 | 20 28 | 0 52 | 0 16 | 17 6 | 20 21 | 20 3 | 26 6 | 16 37 | 6 19 |
| M23 | 23 17 | 24 49 | 1 47 | 22 10 | 0 45 | 22 42 | 1 16 | 12 31 | 0 36 | 0 18 | 1 16 | 18 33 | 0 22 | 4 46 | 0 42 | 20 28 | 0 52 | 0 16 | 17 5 | 20 21 | 20 4 | 26 6 | 16 37 | 6 19 |
| T 24 | 23 16 | 21 42 | 0 27 | 22 30 | 0 34 | 22 31 | 1 18 | 12 36 | 0 37 | 0 20 | 1 16 | 18 31 | 0 22 | 4 46 | 0 42 | 20 29 | 0 52 | 0 16 | 17 5 | 20 21 | 20 4 | 26 6 | 16 37 | 6 19 |
| W25 | 23 14 | 17 14 | 0n54 | 22 47 | 0 23 | 22 20 | 1 20 | 12 41 | 0 39 | 0 22 | 1 16 | 18 30 | 0 22 | 4 46 | 0 42 | 20 29 | 0 52 | 0 15 | 17 4 | 20 21 | 20 5 | 26 6 | 16 36 | 6 19 |
| T 26 | 23 12 | 11 54 | 2 9 | 23 3 | 0 12 | 22 8 | 1 21 | 12 46 | 0 40 | 0 24 | 1 16 | 18 28 | 0 22 | 4 46 | 0 42 | 20 29 | 0 52 | 0 15 | 17 4 | 20 21 | 20 6 | 26 7 | 16 36 | 6 19 |
| F 27 | 23 9 | 6 8 | 3 14 | 23 17 | 0 1 | 21 55 | 1 23 | 12 52 | 0 42 | 0 26 | 1 15 | 18 26 | 0 22 | 4 46 | 0 42 | 20 29 | 0 52 | 0 15 | 17 3 | 20 21 | 20 6 | 26 7 | 16 35 | 6 19 |
| S 28 | 23 6 | 0 17 | 4 6 | 23 29 | 0n10 | 21 42 | 1 24 | 12 57 | 0 43 | 0 28 | 1 15 | 18 25 | 0 22 | 4 47 | 0 42 | 20 30 | 0 52 | 0 15 | 17 3 | 20 21 | 20 7 | 26 7 | 16 35 | 6 19 |
| S 29 | 23 3 | 5n24 | 4 44 | 23 38 | 0 20 | 21 28 | 1 25 | 13 3 | 0 45 | 0 31 | 1 15 | 18 23 | 0 22 | 4 47 | 0 42 | 20 30 | 0 52 | 0 14 | 17 2 | 20 20 | 20 8 | 26 7 | 16 35 | 6 19 |
| M30 | 22n59 | 10n42 | 5n 7 | 23n45 | 0n31 | 21n14 | 1n27 | 13s 9 | 0s46 | 0s33 | 1n15 | 18n21 | 0n23 | 4s47 | 0n42 | 20s30 | 0n52 | 0n14 | 17n 2 | 20s20 | 20s 8 | 26n 7 | 16n34 | 6s19 |

Julian Day Number = 2808538.5, Delta T = 52m27s
Ecliptic obliquity = 23°18'50, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'21, Lahiri = 37°32'21


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# ASTRODIENST EPHEMERIS for the year 2977
# geocentric

## JULY 2977 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 39 11 | 10♋25'07 | 27♈36 | 6♋37 | 2♌16 | 3♏10 | 4♎22 | 8♌50 | 13♎50 | 23°R 0 | 14°R24 | 28°R33 | 29♑30 | 16♊ 9 | 10♋56 | T 1 |
| W 2 | 18 43 8 | 11°22'29 | 9♉41 | 8°49 | 3°29 | 3°24 | 4°28 | 8°57 | 13°51 | 22♑59 | 14♏23 | 28♑31 | 29°27 | 16°16 | 11° 2 | W 2 |
| T 3 | 18 47 4 | 12°19'50 | 21°38 | 11° 0 | 4°42 | 3°39 | 4°33 | 9° 4 | 13°52 | 22°57 | 14°23 | 28°29 | 29°24 | 16°23 | 11° 7 | T 3 |
| F 4 | 18 51 1 | 13°17'11 | 3♊30 | 13°12 | 5°55 | 3°55 | 4°39 | 9°12 | 13°52 | 22°56 | 14°22 | 28°27 | 29°21 | 16°29 | 11°13 | F 4 |
| S 5 | 18 54 58 | 14°14'32 | 15°19 | 15°24 | 7° 8 | 4°11 | 4°45 | 9°19 | 13°53 | 22°54 | 14°21 | 28°25 | 29°18 | 16°36 | 11°18 | S 5 |
| S 6 | 18 58 54 | 15°11'52 | 27° 9 | 17°36 | 8°21 | 4°28 | 4°51 | 9°26 | 13°54 | 22°52 | 14°21 | 28°23 | 29°15 | 16°43 | 11°24 | S 6 |
| M 7 | 19 2 51 | 16° 9'12 | 9♋ 2 | 19°46 | 9°33 | 4°45 | 4°58 | 9°33 | 13°55 | 22°51 | 14°20 | 28°21 | 29°11 | 16°49 | 11°29 | M 7 |
| T 8 | 19 6 47 | 17° 6'31 | 21° 0 | 21°56 | 10°46 | 5° 3 | 5° 4 | 9°41 | 13°56 | 22°49 | 14°20 | 28°21 | 29° 8 | 16°56 | 11°35 | T 8 |
| W 9 | 19 10 44 | 18° 3'50 | 3♌ 6 | 24° 5 | 11°59 | 5°21 | 5°11 | 9°48 | 13°57 | 22°48 | 14°19 | 28°D21 | 29° 5 | 17° 3 | 11°40 | W 9 |
| T 10 | 19 14 40 | 19° 1'08 | 15°20 | 26°12 | 13°12 | 5°40 | 5°18 | 9°56 | 13°58 | 22°46 | 14°19 | 28°21 | 29° 2 | 17° 9 | 11°46 | T 10 |
| F 11 | 19 18 37 | 19°58'26 | 27°46 | 28°18 | 14°25 | 5°59 | 5°24 | 10° 3 | 13°59 | 22°44 | 14°18 | 28°22 | 28°59 | 17°16 | 11°51 | F 11 |
| S 12 | 19 22 34 | 20°55'44 | 10♍25 | 0♌22 | 15°38 | 6°19 | 5°31 | 10°11 | 14° 0 | 22°43 | 14°18 | 28°23 | 28°56 | 17°23 | 11°57 | S 12 |
| S 13 | 19 26 30 | 21°53'01 | 23°20 | 2°25 | 16°50 | 6°39 | 5°38 | 10°18 | 14° 1 | 22°41 | 14°18 | 28°23 | 28°52 | 17°30 | 12° 2 | S 13 |
| M14 | 19 30 27 | 22°50'17 | 6♎31 | 4°25 | 18° 3 | 6°59 | 5°46 | 10°25 | 14° 2 | 22°40 | 14°17 | 28°24 | 28°49 | 17°36 | 12° 8 | M14 |
| T 15 | 19 34 23 | 23°47'33 | 20° 2 | 6°24 | 19°16 | 7°20 | 5°53 | 10°33 | 14° 4 | 22°38 | 14°17 | 28°R24 | 28°46 | 17°43 | 12°13 | T 15 |
| W16 | 19 38 20 | 24°44'48 | 3♏53 | 8°21 | 20°29 | 7°42 | 6° 1 | 10°41 | 14° 5 | 22°36 | 14°17 | 28°24 | 28°43 | 17°50 | 12°19 | W16 |
| T 17 | 19 42 16 | 25°42'03 | 18° 4 | 10°16 | 21°41 | 8° 4 | 6° 8 | 10°48 | 14° 6 | 22°35 | 14°16 | 28°24 | 28°40 | 17°56 | 12°24 | T 17 |
| F 18 | 19 46 13 | 26°39'18 | 2♐34 | 12° 9 | 22°54 | 8°26 | 6°16 | 10°56 | 14° 8 | 22°33 | 14°16 | 28°23 | 28°36 | 18° 3 | 12°29 | F 18 |
| S 19 | 19 50 9 | 27°36'32 | 17°17 | 13°59 | 24° 6 | 8°49 | 6°24 | 11° 3 | 14° 9 | 22°31 | 14°16 | 28°23 | 28°33 | 18°10 | 12°35 | S 19 |
| S 20 | 19 54 6 | 28°33'46 | 2♑10 | 15°48 | 25°19 | 9°12 | 6°32 | 11°11 | 14°11 | 22°30 | 14°16 | 28°D23 | 28°30 | 18°16 | 12°40 | S 20 |
| M21 | 19 58 3 | 29°31'00 | 17° 4 | 17°35 | 26°32 | 9°35 | 6°40 | 11°19 | 14°12 | 22°28 | 14°16 | 28°23 | 28°27 | 18°23 | 12°46 | M21 |
| T 22 | 20 1 59 | 0♒28'14 | 1♓52 | 19°19 | 27°44 | 9°59 | 6°48 | 11°26 | 14°14 | 22°27 | 14°16 | 28°R23 | 28°24 | 18°30 | 12°51 | T 22 |
| W23 | 20 5 56 | 1°25'28 | 16°26 | 21° 2 | 28°56 | 10°23 | 6°56 | 11°34 | 14°16 | 22°25 | 14°16 | 28°23 | 28°21 | 18°36 | 12°56 | W23 |
| T 24 | 20 9 52 | 2°22'42 | 0♈42 | 22°42 | 0♍ 9 | 10°48 | 7° 5 | 11°42 | 14°17 | 22°23 | 14°D16 | 28°23 | 28°17 | 18°43 | 13° 2 | T 24 |
| F 25 | 20 13 49 | 3°19'56 | 14°34 | 24°21 | 1°21 | 11°13 | 7°13 | 11°49 | 14°19 | 22°22 | 14°16 | 28°22 | 28°14 | 18°50 | 13° 7 | F 25 |
| S 26 | 20 17 45 | 4°17'10 | 28° 1 | 25°57 | 2°34 | 11°38 | 7°22 | 11°57 | 14°21 | 22°20 | 14°16 | 28°22 | 28°11 | 18°56 | 13°12 | S 26 |
| S 27 | 20 21 42 | 5°14'24 | 11♈ 3 | 27°31 | 3°46 | 12° 4 | 7°31 | 12° 5 | 14°23 | 22°19 | 14°16 | 28°21 | 28° 8 | 19° 3 | 13°18 | S 27 |
| M28 | 20 25 38 | 6°11'40 | 23°43 | 29° 4 | 4°58 | 12°30 | 7°40 | 12°12 | 14°25 | 22°17 | 14°16 | 28°21 | 28° 5 | 19°10 | 13°23 | M28 |
| T 29 | 20 29 35 | 7° 8'55 | 6♉ 5 | 0♍34 | 6°11 | 12°56 | 7°48 | 12°20 | 14°27 | 22°16 | 14°16 | 28°D20 | 28° 2 | 19°16 | 13°28 | T 29 |
| W30 | 20 33 32 | 8° 6'12 | 18°11 | 2° 2 | 7°23 | 13°23 | 7°58 | 12°28 | 14°29 | 22°14 | 14°16 | 28°21 | 27°58 | 19°23 | 13°33 | W30 |
| T 31 | 20 37 28 | 9♌ 3'28 | 0♊ 7 | 3♍28 | 8♍35 | 13♏50 | 8♎ 7 | 12♌36 | 14♎31 | 22♑12 | 14♏16 | 28♑21 | 27♑55 | 19♊30 | 13♋38 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n54 | 15n28 | 5n15 | 23n49 | 0n40 | 20n59 | 1n28 | 13s15 | 0s47 | 0s35 | 1n14 | 18n19 | 0n23 | 4s47 | 0n42 | 20s30 | 0n52 | 0n14 | 17n 1 | 20s21 | 20s 9 | 26n 7 | 16n34 | 6s20 |
| W 2 | 22 50 | 19 32 | 5 10 | 23 51 | 0 50 | 20 43 | 1 29 | 13 21 | 0 49 | 0 38 | 1 14 | 18 17 | 0 23 | 4 48 | 0 42 | 20 31 | 0 52 | 0 14 | 17 1 | 20 21 | 20 9 | 26 7 | 16 33 | 6 20 |
| T 3 | 22 45 | 22 45 | 4 50 | 23 50 | 0 59 | 20 27 | 1 30 | 13 27 | 0 50 | 0 40 | 1 14 | 18 16 | 0 23 | 4 48 | 0 42 | 20 31 | 0 52 | 0 13 | 17 0 | 20 21 | 20 10 | 26 7 | 16 33 | 6 20 |
| F 4 | 22 39 | 24 58 | 4 19 | 23 46 | 1 7 | 20 10 | 1 31 | 13 34 | 0 51 | 0 43 | 1 14 | 18 14 | 0 23 | 4 48 | 0 42 | 20 31 | 0 52 | 0 13 | 17 0 | 20 22 | 20 11 | 26 7 | 16 32 | 6 20 |
| S 5 | 22 33 | 26 5 | 3 36 | 23 40 | 1 15 | 19 53 | 1 32 | 13 40 | 0 53 | 0 45 | 1 14 | 18 12 | 0 23 | 4 48 | 0 42 | 20 32 | 0 52 | 0 13 | 16 59 | 20 22 | 20 11 | 26 7 | 16 32 | 6 20 |
| S 6 | 22 27 | 26 1 | 2 44 | 23 31 | 1 22 | 19 35 | 1 33 | 13 47 | 0 54 | 0 48 | 1 13 | 18 10 | 0 23 | 4 49 | 0 42 | 20 32 | 0 52 | 0 12 | 16 59 | 20 23 | 20 12 | 26 7 | 16 31 | 6 20 |
| M 7 | 22 21 | 24 45 | 1 45 | 23 19 | 1 28 | 19 17 | 1 34 | 13 54 | 0 55 | 0 50 | 1 13 | 18 8 | 0 23 | 4 49 | 0 42 | 20 32 | 0 52 | 0 12 | 16 58 | 20 23 | 20 13 | 26 7 | 16 31 | 6 20 |
| T 8 | 22 14 | 22 21 | 0 41 | 23 5 | 1 34 | 18 58 | 1 35 | 14 1 | 0 56 | 0 53 | 1 13 | 18 6 | 0 23 | 4 50 | 0 42 | 20 32 | 0 52 | 0 12 | 16 58 | 20 23 | 20 13 | 26 7 | 16 30 | 6 20 |
| W 9 | 22 6 | 18 56 | 0s26 | 22 48 | 1 39 | 18 38 | 1 36 | 14 8 | 0 58 | 0 56 | 1 13 | 18 4 | 0 23 | 4 50 | 0 42 | 20 33 | 0 52 | 0 11 | 16 57 | 20 23 | 20 14 | 26 7 | 16 30 | 6 20 |
| T 10 | 21 58 | 14 40 | 1 33 | 22 29 | 1 43 | 18 18 | 1 36 | 14 16 | 0 59 | 0 59 | 1 13 | 18 2 | 0 23 | 4 50 | 0 42 | 20 33 | 0 52 | 0 11 | 16 57 | 20 23 | 20 15 | 26 7 | 16 29 | 6 20 |
| F 11 | 21 50 | 9 44 | 2 36 | 22 8 | 1 46 | 17 58 | 1 37 | 14 23 | 1 0 | 1 2 | 1 13 | 18 1 | 0 23 | 4 51 | 0 41 | 20 33 | 0 52 | 0 10 | 16 56 | 20 23 | 20 15 | 26 7 | 16 28 | 6 20 |
| S 12 | 21 42 | 4 20 | 3 33 | 21 44 | 1 49 | 17 37 | 1 38 | 14 31 | 1 1 | 1 4 | 1 12 | 17 59 | 0 23 | 4 51 | 0 41 | 20 33 | 0 52 | 0 10 | 16 56 | 20 23 | 20 16 | 26 7 | 16 28 | 6 20 |
| S 13 | 21 33 | 1s21 | 4 20 | 21 19 | 1 51 | 17 16 | 1 38 | 14 38 | 1 2 | 1 7 | 1 12 | 17 57 | 0 23 | 4 52 | 0 41 | 20 34 | 0 52 | 0 10 | 16 55 | 20 23 | 20 17 | 26 7 | 16 27 | 6 20 |
| M14 | 21 23 | 7 5 | 4 55 | 20 52 | 1 52 | 16 54 | 1 38 | 14 46 | 1 3 | 1 10 | 1 12 | 17 55 | 0 24 | 4 52 | 0 41 | 20 34 | 0 52 | 0 9 | 16 54 | 20 22 | 20 17 | 26 7 | 16 27 | 6 21 |
| T 15 | 21 14 | 12 38 | 5 14 | 20 23 | 1 52 | 16 32 | 1 39 | 14 54 | 1 4 | 1 14 | 1 12 | 17 53 | 0 24 | 4 53 | 0 41 | 20 34 | 0 52 | 0 9 | 16 54 | 20 22 | 20 18 | 26 7 | 16 26 | 6 21 |
| W16 | 21 4 | 17 42 | 5 16 | 19 53 | 1 52 | 16 9 | 1 39 | 15 2 | 1 5 | 1 17 | 1 12 | 17 51 | 0 24 | 4 53 | 0 41 | 20 34 | 0 52 | 0 8 | 16 53 | 20 22 | 20 19 | 26 7 | 16 25 | 6 21 |
| T 17 | 20 54 | 21 54 | 4 59 | 19 21 | 1 51 | 15 46 | 1 39 | 15 10 | 1 6 | 1 20 | 1 11 | 17 49 | 0 24 | 4 54 | 0 41 | 20 35 | 0 52 | 0 8 | 16 53 | 20 22 | 20 19 | 26 7 | 16 25 | 6 21 |
| F 18 | 20 43 | 24 51 | 4 23 | 18 49 | 1 49 | 15 23 | 1 39 | 15 18 | 1 7 | 1 23 | 1 11 | 17 47 | 0 24 | 4 55 | 0 41 | 20 35 | 0 52 | 0 7 | 16 52 | 20 23 | 20 20 | 26 7 | 16 24 | 6 21 |
| S 19 | 20 32 | 26 11 | 3 29 | 18 15 | 1 47 | 14 59 | 1 39 | 15 26 | 1 8 | 1 26 | 1 11 | 17 45 | 0 24 | 4 55 | 0 41 | 20 35 | 0 52 | 0 7 | 16 52 | 20 23 | 20 21 | 26 7 | 16 24 | 6 21 |
| S 20 | 20 20 | 25 38 | 2 21 | 17 40 | 1 44 | 14 34 | 1 39 | 15 35 | 1 9 | 1 30 | 1 11 | 17 43 | 0 24 | 4 56 | 0 41 | 20 36 | 0 52 | 0 6 | 16 51 | 20 23 | 20 21 | 26 7 | 16 23 | 6 22 |
| M21 | 20 9 | 23 16 | 1 2 | 17 4 | 1 40 | 14 10 | 1 39 | 15 43 | 1 10 | 1 33 | 1 11 | 17 41 | 0 24 | 4 56 | 0 41 | 20 36 | 0 52 | 0 6 | 16 50 | 20 23 | 20 22 | 26 7 | 16 22 | 6 22 |
| T 22 | 19 57 | 19 20 | 0n19 | 16 28 | 1 36 | 13 45 | 1 39 | 15 51 | 1 11 | 1 36 | 1 11 | 17 39 | 0 24 | 4 57 | 0 41 | 20 36 | 0 52 | 0 5 | 16 50 | 20 23 | 20 22 | 26 7 | 16 22 | 6 22 |
| W23 | 19 44 | 14 15 | 1 39 | 15 51 | 1 31 | 13 19 | 1 39 | 16 0 | 1 12 | 1 40 | 1 10 | 17 37 | 0 24 | 4 58 | 0 41 | 20 36 | 0 52 | 0 5 | 16 49 | 20 23 | 20 23 | 26 7 | 16 21 | 6 22 |
| T 24 | 19 32 | 8 31 | 2 50 | 15 14 | 1 26 | 12 54 | 1 38 | 16 8 | 1 13 | 1 43 | 1 10 | 17 35 | 0 24 | 4 59 | 0 41 | 20 37 | 0 52 | 0 4 | 16 49 | 20 23 | 20 24 | 26 7 | 16 20 | 6 22 |
| F 25 | 19 19 | 2 31 | 3 49 | 14 36 | 1 20 | 12 28 | 1 38 | 16 17 | 1 14 | 1 47 | 1 10 | 17 33 | 0 24 | 4 59 | 0 41 | 20 37 | 0 52 | 0 4 | 16 48 | 20 23 | 20 24 | 26 6 | 16 20 | 6 22 |
| S 26 | 19 5 | 3n24 | 4 34 | 13 58 | 1 14 | 12 1 | 1 37 | 16 26 | 1 15 | 1 50 | 1 10 | 17 31 | 0 24 | 5 0 | 0 41 | 20 37 | 0 52 | 0 3 | 16 48 | 20 23 | 20 25 | 26 6 | 16 19 | 6 23 |
| S 27 | 18 52 | 9 0 | 5 3 | 13 19 | 1 7 | 11 35 | 1 37 | 16 34 | 1 15 | 1 54 | 1 10 | 17 29 | 0 25 | 5 1 | 0 41 | 20 37 | 0 52 | 0 2 | 16 47 | 20 23 | 20 26 | 26 6 | 16 18 | 6 23 |
| M28 | 18 38 | 14 3 | 5 16 | 12 40 | 1 0 | 11 8 | 1 36 | 16 43 | 1 16 | 1 57 | 1 10 | 17 26 | 0 25 | 5 1 | 0 41 | 20 38 | 0 52 | 0 2 | 16 46 | 20 23 | 20 26 | 26 6 | 16 17 | 6 23 |
| T 29 | 18 23 | 18 25 | 5 14 | 12 2 | 0 52 | 10 41 | 1 35 | 16 52 | 1 17 | 2 1 | 1 9 | 17 24 | 0 25 | 5 2 | 0 41 | 20 38 | 0 52 | 0 1 | 16 46 | 20 23 | 20 27 | 26 6 | 16 17 | 6 23 |
| W30 | 18 9 | 21 56 | 4 58 | 11 23 | 0 44 | 10 13 | 1 34 | 17 1 | 1 18 | 2 5 | 1 9 | 17 22 | 0 25 | 5 3 | 0 41 | 20 38 | 0 52 | 0 1 | 16 45 | 20 23 | 20 28 | 26 6 | 16 16 | 6 24 |
| T 31 | 17n54 | 24n28 | 4n30 | 10n44 | 0n35 | 9n45 | 1n33 | 17s 9 | 1s19 | 2s 8 | 1n 9 | 17n20 | 0n25 | 5s 4 | 0n41 | 20s39 | 0n52 | 0n 0 | 16n45 | 20s23 | 20s28 | 26n 6 | 16n15 | 6s24 |

Julian Day Number = 2808568.5, Delta T = 52m27s
Ecliptic obliquity = 23°18'50, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'25, Lahiri = 37°32'25


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# ASTRODIENST EPHEMERIS for the year 2977
# geocentric

## AUGUST 2977 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 20 41 25 | 10♌ 0'46 | 11♊58 | 4♍52 | 9♍47 | 14♏17 | 8♎16 | 12♌43 | 14♎33 | 22°R11 | 14♏17 | 28♑22 | 27♑52 | 19♊36 | 13♋44 | F 1 |
| S 2 | 20 45 21 | 10°58'04 | 23°48 | 6°13 | 10°59 | 14°45 | 8°25 | 12°51 | 14°35 | 22♑ 9 | 14°17 | 28°23 | 27°49 | 19°43 | 13°49 | S 2 |
| S 3 | 20 49 18 | 11°55'22 | 5♋40 | 7°33 | 12°11 | 15°13 | 8°35 | 12°59 | 14°37 | 22° 8 | 14°17 | 28°24 | 27°46 | 19°50 | 13°54 | S 3 |
| M 4 | 20 53 14 | 12°52'41 | 17°38 | 8°50 | 13°23 | 15°41 | 8°44 | 13° 7 | 14°39 | 22° 6 | 14°18 | 28°25 | 27°42 | 19°56 | 13°59 | M 4 |
| T 5 | 20 57 11 | 13°50'01 | 29°45 | 10° 4 | 14°35 | 16° 9 | 8°54 | 13°14 | 14°41 | 22° 5 | 14°18 | 28°R26 | 27°39 | 20° 3 | 14° 4 | T 5 |
| W 6 | 21 1 7 | 14°47'21 | 12♌ 3 | 11°17 | 15°47 | 16°38 | 9° 4 | 13°22 | 14°44 | 22° 3 | 14°18 | 28°25 | 27°36 | 20°10 | 14° 9 | W 6 |
| T 7 | 21 5 4 | 15°44'42 | 24°34 | 12°27 | 16°59 | 17° 7 | 9°14 | 13°30 | 14°46 | 22° 2 | 14°19 | 28°24 | 27°33 | 20°16 | 14°14 | T 7 |
| F 8 | 21 9 1 | 16°42'03 | 7♍19 | 13°34 | 18°11 | 17°37 | 9°24 | 13°38 | 14°48 | 22° 1 | 14°19 | 28°22 | 27°30 | 20°23 | 14°19 | F 8 |
| S 9 | 21 12 57 | 17°39'24 | 20°18 | 14°39 | 19°23 | 18° 7 | 9°34 | 13°45 | 14°51 | 21°59 | 14°20 | 28°19 | 27°27 | 20°30 | 14°24 | S 9 |
| S 10 | 21 16 54 | 18°36'46 | 3♎30 | 15°41 | 20°35 | 18°37 | 9°44 | 13°53 | 14°53 | 21°58 | 14°20 | 28°16 | 27°23 | 20°36 | 14°29 | S 10 |
| M11 | 21 20 50 | 19°34'08 | 16°57 | 16°41 | 21°47 | 19° 7 | 9°54 | 14° 1 | 14°56 | 21°56 | 14°21 | 28°14 | 27°20 | 20°43 | 14°33 | M11 |
| T 12 | 21 24 47 | 20°31'31 | 0♏37 | 17°37 | 22°59 | 19°37 | 10° 4 | 14° 8 | 14°58 | 21°55 | 14°22 | 28°12 | 27°17 | 20°50 | 14°38 | T 12 |
| W13 | 21 28 43 | 21°28'54 | 14°29 | 18°31 | 24°10 | 20° 8 | 10°15 | 14°16 | 15° 1 | 21°54 | 14°22 | 28°11 | 27°14 | 20°56 | 14°43 | W13 |
| T 14 | 21 32 40 | 22°26'18 | 28°34 | 19°21 | 25°22 | 20°39 | 10°25 | 14°24 | 15° 4 | 21°52 | 14°23 | 28°D10 | 27°11 | 21° 3 | 14°48 | T 14 |
| F 15 | 21 36 36 | 23°23'42 | 12♐48 | 20° 8 | 26°34 | 21°10 | 10°36 | 14°32 | 15° 6 | 21°51 | 14°24 | 28°11 | 27° 8 | 21°10 | 14°53 | F 15 |
| S 16 | 21 40 33 | 24°21'07 | 27°11 | 20°51 | 27°45 | 21°42 | 10°46 | 14°39 | 15° 9 | 21°50 | 14°25 | 28°13 | 27° 4 | 21°16 | 14°57 | S 16 |
| S 17 | 21 44 30 | 25°18'32 | 11♑40 | 21°31 | 28°57 | 22°14 | 10°57 | 14°47 | 15°12 | 21°48 | 14°25 | 28°14 | 27° 1 | 21°23 | 15° 2 | S 17 |
| M18 | 21 48 26 | 26°15'57 | 26° 9 | 22° 7 | 0♎ 8 | 22°46 | 11° 8 | 14°55 | 15°14 | 21°47 | 14°26 | 28°R15 | 26°58 | 21°30 | 15° 6 | M18 |
| T 19 | 21 52 23 | 27°13'24 | 10♒34 | 22°39 | 1°20 | 23°18 | 11°18 | 15° 2 | 15°17 | 21°46 | 14°27 | 28°14 | 26°55 | 21°36 | 15°11 | T 19 |
| W20 | 21 56 19 | 28°10'51 | 24°51 | 23° 6 | 2°31 | 23°51 | 11°29 | 15°10 | 15°20 | 21°45 | 14°28 | 28°12 | 26°52 | 21°43 | 15°16 | W20 |
| T 21 | 22 0 16 | 29° 8'19 | 8♓54 | 23°30 | 3°42 | 24°23 | 11°40 | 15°17 | 15°23 | 21°43 | 14°29 | 28° 9 | 26°48 | 21°50 | 15°20 | T 21 |
| F 22 | 22 4 12 | 0♍ 5'48 | 22°39 | 23°48 | 4°54 | 24°56 | 11°51 | 15°25 | 15°26 | 21°42 | 14°30 | 28° 5 | 26°45 | 21°57 | 15°24 | F 22 |
| S 23 | 22 8 9 | 1° 3'18 | 6♈ 3 | 24° 2 | 6° 5 | 25°29 | 12° 2 | 15°33 | 15°29 | 21°41 | 14°31 | 27°59 | 26°42 | 22° 3 | 15°29 | S 23 |
| S 24 | 22 12 5 | 2° 0'49 | 19° 5 | 24°11 | 7°16 | 26° 3 | 12°14 | 15°40 | 15°32 | 21°40 | 14°32 | 27°54 | 26°39 | 22°10 | 15°33 | S 24 |
| M25 | 22 16 2 | 2°58'21 | 1♉46 | 24°R15 | 8°27 | 26°36 | 12°25 | 15°48 | 15°35 | 21°39 | 14°33 | 27°50 | 26°36 | 22°17 | 15°37 | M25 |
| T 26 | 22 19 59 | 3°55'55 | 14° 9 | 24°14 | 9°38 | 27°10 | 12°36 | 15°55 | 15°38 | 21°38 | 14°34 | 27°46 | 26°33 | 22°23 | 15°42 | T 26 |
| W27 | 22 23 55 | 4°53'30 | 26°16 | 24° 7 | 10°49 | 27°44 | 12°48 | 16° 3 | 15°41 | 21°37 | 14°35 | 27°45 | 26°29 | 22°30 | 15°46 | W27 |
| T 28 | 22 27 52 | 5°51'06 | 8♊13 | 23°55 | 12° 0 | 28°18 | 12°59 | 16°10 | 15°44 | 21°35 | 14°36 | 27°D44 | 26°26 | 22°37 | 15°50 | T 28 |
| F 29 | 22 31 48 | 6°48'44 | 20° 3 | 23°37 | 13°11 | 28°53 | 13°10 | 16°18 | 15°47 | 21°34 | 14°37 | 27°45 | 26°23 | 22°43 | 15°54 | F 29 |
| S 30 | 22 35 45 | 7°46'23 | 1♋53 | 23°14 | 14°22 | 29°27 | 13°22 | 16°25 | 15°50 | 21°33 | 14°39 | 27°46 | 26°20 | 22°50 | 15°58 | S 30 |
| S 31 | 22 39 41 | 8♍44'04 | 13♋48 | 22♍45 | 15♎33 | 0♐ 2 | 13♎34 | 16♌32 | 15♎53 | 21♑32 | 14♏40 | 27♑48 | 26♑17 | 22♊57 | 16♋ 2 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17n39 | 25n54 | 3n50 | 10n 5 | 0n26 | 9n17 | 1n32 | 17s18 | 1s19 | 2s12 | 1n 9 | 17n18 | 0n25 | 5s 5 | 0n41 | 20s39 | 0n52 | 0s 1 | 16n44 | 20s23 | 20s29 | 26n 5 | 16n14 | 6s24 |
| S 2 | 17 23 | 26 10 | 3 0 | 9 27 | 0 17 | 8 49 | 1 31 | 17 27 | 1 20 | 2 16 | 1 9 | 17 16 | 0 25 | 5 6 | 0 41 | 20 39 | 0 52 | 0 1 | 16 43 | 20 23 | 20 29 | 26 5 | 16 14 | 6 24 |
| S 3 | 17 8 | 25 14 | 2 3 | 8 49 | 0 7 | 8 21 | 1 30 | 17 36 | 1 21 | 2 20 | 1 9 | 17 14 | 0 25 | 5 6 | 0 41 | 20 39 | 0 52 | 0 2 | 16 43 | 20 22 | 20 30 | 26 5 | 16 13 | 6 25 |
| M 4 | 16 52 | 23 8 | 0 59 | 8 11 | 0s 2 | 7 52 | 1 29 | 17 45 | 1 21 | 2 24 | 1 9 | 17 12 | 0 25 | 5 7 | 0 41 | 20 40 | 0 52 | 0 3 | 16 42 | 20 22 | 20 31 | 26 5 | 16 12 | 6 25 |
| T 5 | 16 35 | 19 59 | 0s 7 | 7 33 | 0 13 | 7 23 | 1 28 | 17 54 | 1 22 | 2 28 | 1 8 | 17 10 | 0 25 | 5 8 | 0 41 | 20 40 | 0 52 | 0 3 | 16 42 | 20 22 | 20 31 | 26 5 | 16 11 | 6 25 |
| W 6 | 16 19 | 15 54 | 1 15 | 6 56 | 0 23 | 6 54 | 1 26 | 18 3 | 1 23 | 2 32 | 1 8 | 17 8 | 0 25 | 5 9 | 0 40 | 20 40 | 0 52 | 0 4 | 16 41 | 20 22 | 20 32 | 26 5 | 16 11 | 6 25 |
| T 7 | 16 2 | 11 4 | 2 19 | 6 20 | 0 34 | 6 25 | 1 25 | 18 12 | 1 23 | 2 36 | 1 8 | 17 5 | 0 25 | 5 10 | 0 40 | 20 40 | 0 52 | 0 5 | 16 41 | 20 22 | 20 33 | 26 4 | 16 10 | 6 26 |
| F 8 | 15 45 | 5 42 | 3 18 | 5 44 | 0 45 | 5 56 | 1 23 | 18 21 | 1 24 | 2 40 | 1 8 | 17 3 | 0 25 | 5 11 | 0 40 | 20 41 | 0 52 | 0 5 | 16 40 | 20 23 | 20 33 | 26 4 | 16 9 | 6 26 |
| S 9 | 15 28 | 0 1 | 4 8 | 5 9 | 0 56 | 5 26 | 1 22 | 18 29 | 1 25 | 2 44 | 1 8 | 17 1 | 0 26 | 5 12 | 0 40 | 20 41 | 0 52 | 0 6 | 16 39 | 20 23 | 20 34 | 26 4 | 16 8 | 6 26 |
| S 10 | 15 10 | 5s46 | 4 46 | 4 34 | 1 8 | 4 56 | 1 20 | 18 38 | 1 25 | 2 48 | 1 8 | 16 59 | 0 26 | 5 13 | 0 40 | 20 41 | 0 52 | 0 7 | 16 39 | 20 24 | 20 34 | 26 4 | 16 7 | 6 27 |
| M11 | 14 52 | 11 23 | 5 9 | 4 1 | 1 19 | 4 27 | 1 18 | 18 47 | 1 26 | 2 52 | 1 8 | 16 57 | 0 26 | 5 14 | 0 40 | 20 41 | 0 52 | 0 7 | 16 38 | 20 24 | 20 35 | 26 3 | 16 7 | 6 27 |
| T 12 | 14 34 | 16 32 | 5 14 | 3 28 | 1 31 | 3 57 | 1 16 | 18 56 | 1 27 | 2 56 | 1 7 | 16 55 | 0 26 | 5 15 | 0 40 | 20 42 | 0 52 | 0 8 | 16 38 | 20 25 | 20 36 | 26 3 | 16 6 | 6 27 |
| W13 | 14 16 | 20 54 | 5 2 | 2 56 | 1 43 | 3 27 | 1 14 | 19 5 | 1 27 | 3 0 | 1 7 | 16 53 | 0 26 | 5 16 | 0 40 | 20 42 | 0 52 | 0 9 | 16 37 | 20 25 | 20 36 | 26 3 | 16 5 | 6 28 |
| T 14 | 13 58 | 24 9 | 4 32 | 2 26 | 1 55 | 2 57 | 1 13 | 19 14 | 1 28 | 3 4 | 1 7 | 16 50 | 0 26 | 5 17 | 0 40 | 20 42 | 0 51 | 0 10 | 16 37 | 20 25 | 20 37 | 26 3 | 16 4 | 6 28 |
| F 15 | 13 39 | 25 55 | 3 44 | 1 56 | 2 7 | 2 26 | 1 10 | 19 23 | 1 28 | 3 9 | 1 7 | 16 48 | 0 26 | 5 18 | 0 40 | 20 42 | 0 51 | 0 10 | 16 36 | 20 25 | 20 37 | 26 2 | 16 3 | 6 28 |
| S 16 | 13 20 | 25 59 | 2 42 | 1 28 | 2 19 | 1 56 | 1 8 | 19 31 | 1 29 | 3 13 | 1 7 | 16 46 | 0 26 | 5 19 | 0 40 | 20 43 | 0 51 | 0 11 | 16 35 | 20 25 | 20 38 | 26 2 | 16 2 | 6 29 |
| S 17 | 13 1 | 24 18 | 1 30 | 1 2 | 2 31 | 1 26 | 1 6 | 19 40 | 1 29 | 3 17 | 1 7 | 16 44 | 0 26 | 5 20 | 0 40 | 20 43 | 0 51 | 0 12 | 16 35 | 20 24 | 20 39 | 26 2 | 16 2 | 6 29 |
| M18 | 12 42 | 21 0 | 0 12 | 0 37 | 2 43 | 0 55 | 1 4 | 19 49 | 1 30 | 3 21 | 1 7 | 16 42 | 0 26 | 5 21 | 0 40 | 20 43 | 0 51 | 0 13 | 16 34 | 20 24 | 20 39 | 26 2 | 16 1 | 6 29 |
| T 19 | 12 22 | 16 25 | 1n 7 | 0 13 | 2 55 | 0 25 | 1 1 | 19 58 | 1 30 | 3 26 | 1 7 | 16 40 | 0 26 | 5 22 | 0 40 | 20 43 | 0 51 | 0 13 | 16 34 | 20 24 | 20 40 | 26 1 | 16 0 | 6 30 |
| W20 | 12 3 | 10 58 | 2 21 | 0s 9 | 3 7 | 0s 6 | 0 59 | 20 6 | 1 31 | 3 30 | 1 7 | 16 38 | 0 27 | 5 24 | 0 40 | 20 43 | 0 51 | 0 14 | 16 33 | 20 25 | 20 41 | 26 1 | 15 59 | 6 30 |
| T 21 | 11 43 | 5 2 | 3 24 | 0 28 | 3 19 | 0 36 | 0 56 | 20 15 | 1 31 | 3 34 | 1 6 | 16 35 | 0 27 | 5 25 | 0 40 | 20 44 | 0 51 | 0 15 | 16 33 | 20 25 | 20 41 | 26 1 | 15 58 | 6 31 |
| F 22 | 11 23 | 1n 0 | 4 14 | 0 46 | 3 30 | 1 7 | 0 54 | 20 23 | 1 32 | 3 39 | 1 6 | 16 33 | 0 27 | 5 26 | 0 40 | 20 44 | 0 51 | 0 16 | 16 32 | 20 26 | 20 42 | 26 0 | 15 57 | 6 31 |
| S 23 | 11 3 | 6 49 | 4 49 | 1 2 | 3 41 | 1 37 | 0 51 | 20 32 | 1 32 | 3 43 | 1 6 | 16 31 | 0 27 | 5 27 | 0 40 | 20 44 | 0 51 | 0 17 | 16 31 | 20 27 | 20 42 | 26 0 | 15 56 | 6 31 |
| S 24 | 10 42 | 12 11 | 5 8 | 1 15 | 3 51 | 2 7 | 0 49 | 20 40 | 1 33 | 3 48 | 1 6 | 16 29 | 0 27 | 5 28 | 0 40 | 20 44 | 0 51 | 0 17 | 16 31 | 20 28 | 20 43 | 26 0 | 15 56 | 6 32 |
| M25 | 10 22 | 16 53 | 5 11 | 1 25 | 4 1 | 2 38 | 0 46 | 20 48 | 1 33 | 3 52 | 1 6 | 16 27 | 0 27 | 5 29 | 0 40 | 20 44 | 0 51 | 0 18 | 16 30 | 20 29 | 20 44 | 25 59 | 15 55 | 6 32 |
| T 26 | 10 1 | 20 45 | 4 59 | 1 33 | 4 10 | 3 8 | 0 43 | 20 56 | 1 34 | 3 56 | 1 6 | 16 25 | 0 27 | 5 30 | 0 40 | 20 45 | 0 51 | 0 19 | 16 30 | 20 30 | 20 44 | 25 59 | 15 54 | 6 33 |
| W27 | 9 40 | 23 39 | 4 34 | 1 38 | 4 19 | 3 39 | 0 40 | 21 5 | 1 34 | 4 1 | 1 6 | 16 23 | 0 27 | 5 32 | 0 40 | 20 45 | 0 51 | 0 20 | 16 29 | 20 30 | 20 45 | 25 59 | 15 53 | 6 33 |
| T 28 | 9 19 | 25 28 | 3 57 | 1 41 | 4 27 | 4 9 | 0 37 | 21 13 | 1 34 | 4 5 | 1 6 | 16 21 | 0 27 | 5 33 | 0 40 | 20 45 | 0 51 | 0 21 | 16 29 | 20 30 | 20 45 | 25 58 | 15 52 | 6 33 |
| F 29 | 8 58 | 26 7 | 3 11 | 1 40 | 4 33 | 4 39 | 0 34 | 21 21 | 1 35 | 4 10 | 1 6 | 16 18 | 0 27 | 5 34 | 0 40 | 20 45 | 0 51 | 0 21 | 16 28 | 20 30 | 20 46 | 25 58 | 15 51 | 6 34 |
| S 30 | 8 37 | 25 34 | 2 16 | 1 36 | 4 39 | 5 9 | 0 31 | 21 29 | 1 35 | 4 15 | 1 5 | 16 16 | 0 28 | 5 35 | 0 40 | 20 45 | 0 51 | 0 22 | 16 28 | 20 30 | 20 47 | 25 58 | 15 50 | 6 34 |
| S 31 | 8n15 | 23n51 | 1n15 | 1s28 | 4s43 | 5s40 | 0n28 | 21s36 | 1s35 | 4s19 | 1n 5 | 16n14 | 0n28 | 5s37 | 0n40 | 20s46 | 0n51 | 0s23 | 16n27 | 20s30 | 20s47 | 25n57 | 15n49 | 6s35 |

Julian Day Number = 2808599.5, Delta T = 52m28s
Ecliptic obliquity = 23°18'50, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'29, Lahiri = 37°32'30


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# ASTRODIENST EPHEMERIS for the year 2977
# geocentric

## SEPTEMBER 2977 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 22 43 38 | 9♍41'46 | 25♋50 | 22°R11 | 16♎43 | 0♐37 | 13♎45 | 16♌40 | 15♎57 | 21°R31 | 14♏41 | 27°R49 | 26♑13 | 23♊ 3 | 16♋ 6 | M 1 |
| T 2 | 22 47 34 | 10°39'30 | 8♌ 6 | 21♍33 | 17°54 | 1°12 | 13°57 | 16°47 | 16° 0 | 21♑31 | 14°42 | 27♑48 | 26°10 | 23°10 | 16°10 | T 2 |
| W 3 | 22 51 31 | 11°37'15 | 20°37 | 20°50 | 19° 5 | 1°48 | 14° 9 | 16°54 | 16° 3 | 21°30 | 14°44 | 27°46 | 26° 7 | 23°17 | 16°14 | W 3 |
| T 4 | 22 55 28 | 12°35'01 | 3♍25 | 20° 3 | 20°15 | 2°23 | 14°21 | 17° 2 | 16° 6 | 21°29 | 14°45 | 27°41 | 26° 4 | 23°23 | 16°18 | T 4 |
| F 5 | 22 59 24 | 13°32'48 | 16°31 | 19°14 | 21°26 | 2°59 | 14°33 | 17° 9 | 16°10 | 21°28 | 14°47 | 27°35 | 26° 1 | 23°30 | 16°21 | F 5 |
| S 6 | 23 3 21 | 14°30'37 | 29°53 | 18°22 | 22°36 | 3°35 | 14°44 | 17°16 | 16°13 | 21°27 | 14°48 | 27°28 | 25°58 | 23°37 | 16°25 | S 6 |
| S 7 | 23 7 17 | 15°28'27 | 13♎31 | 17°29 | 23°47 | 4°11 | 14°56 | 17°23 | 16°17 | 21°26 | 14°49 | 27°20 | 25°54 | 23°43 | 16°29 | S 7 |
| M 8 | 23 11 14 | 16°26'19 | 27°21 | 16°35 | 24°57 | 4°47 | 15° 8 | 17°30 | 16°20 | 21°26 | 14°51 | 27°12 | 25°51 | 23°50 | 16°32 | M 8 |
| T 9 | 23 15 10 | 17°24'11 | 11♏19 | 15°43 | 26° 7 | 5°24 | 15°21 | 17°38 | 16°23 | 21°25 | 14°52 | 27° 6 | 25°48 | 23°57 | 16°36 | T 9 |
| W10 | 23 19 7 | 18°22'05 | 25°24 | 14°52 | 27°17 | 6° 1 | 15°33 | 17°45 | 16°27 | 21°24 | 14°54 | 27° 2 | 25°45 | 24° 3 | 16°39 | W10 |
| T 11 | 23 23 3 | 19°20'00 | 9♐32 | 14° 4 | 28°27 | 6°37 | 15°45 | 17°52 | 16°30 | 21°23 | 14°55 | 27° 0 | 25°42 | 24°10 | 16°43 | T 11 |
| F 12 | 23 27 0 | 20°17'57 | 23°41 | 13°21 | 29°38 | 7°14 | 15°57 | 17°59 | 16°34 | 21°23 | 14°57 | 26°D59 | 25°39 | 24°17 | 16°46 | F 12 |
| S 13 | 23 30 57 | 21°15'54 | 7♑50 | 12°42 | 0♏48 | 7°52 | 16° 9 | 18° 6 | 16°37 | 21°22 | 14°59 | 27° 0 | 25°35 | 24°23 | 16°49 | S 13 |
| S 14 | 23 34 53 | 22°13'53 | 21°58 | 12°10 | 1°57 | 8°29 | 16°22 | 18°12 | 16°41 | 21°22 | 15° 0 | 27°R 1 | 25°32 | 24°30 | 16°52 | S 14 |
| M15 | 23 38 50 | 23°11'53 | 6♒ 2 | 11°44 | 3° 7 | 9° 7 | 16°34 | 18°19 | 16°44 | 21°21 | 15° 2 | 27° 1 | 25°29 | 24°37 | 16°56 | M15 |
| T 16 | 23 42 46 | 24° 9'54 | 20° 1 | 11°25 | 4°17 | 9°44 | 16°46 | 18°26 | 16°48 | 21°20 | 15° 4 | 26°58 | 25°26 | 24°43 | 16°59 | T 16 |
| W17 | 23 46 43 | 25° 7'56 | 3♓53 | 11°15 | 5°27 | 10°22 | 16°59 | 18°33 | 16°51 | 21°20 | 15° 5 | 26°54 | 25°23 | 24°50 | 17° 2 | W17 |
| T 18 | 23 50 39 | 26° 6'00 | 17°34 | 11°D13 | 6°36 | 11° 0 | 17°11 | 18°40 | 16°55 | 21°19 | 15° 7 | 26°47 | 25°19 | 24°57 | 17° 5 | T 18 |
| F 19 | 23 54 36 | 27° 4'06 | 1♈ 2 | 11°19 | 7°46 | 11°38 | 17°24 | 18°46 | 16°59 | 21°19 | 15° 9 | 26°38 | 25°16 | 25° 3 | 17° 8 | F 19 |
| S 20 | 23 58 32 | 28° 2'13 | 14°14 | 11°34 | 8°55 | 12°16 | 17°36 | 18°53 | 17° 2 | 21°19 | 15°11 | 26°27 | 25°13 | 25°10 | 17°10 | S 20 |
| S 21 | 0 2 29 | 29° 0'22 | 27° 8 | 11°58 | 10° 4 | 12°55 | 17°49 | 18°59 | 17° 6 | 21°18 | 15°12 | 26°17 | 25°10 | 25°16 | 17°13 | S 21 |
| M22 | 0 6 25 | 29°58'32 | 9♉45 | 12°31 | 11°14 | 13°33 | 18° 1 | 19° 6 | 17°10 | 21°18 | 15°14 | 26° 7 | 25° 7 | 25°23 | 17°16 | M22 |
| T 23 | 0 10 22 | 0♎56'45 | 22° 5 | 13°11 | 12°23 | 14°12 | 18°14 | 19°12 | 17°13 | 21°18 | 15°16 | 25°58 | 25° 4 | 25°30 | 17°18 | T 23 |
| W24 | 0 14 19 | 1°55'00 | 4♊11 | 14° 0 | 13°32 | 14°51 | 18°27 | 19°19 | 17°17 | 21°17 | 15°18 | 25°52 | 25° 0 | 25°36 | 17°21 | W24 |
| T 25 | 0 18 15 | 2°53'16 | 16° 6 | 14°56 | 14°41 | 15°30 | 18°39 | 19°25 | 17°21 | 21°17 | 15°20 | 25°49 | 24°57 | 25°43 | 17°23 | T 25 |
| F 26 | 0 22 12 | 3°51'35 | 27°56 | 16° 0 | 15°50 | 16° 9 | 18°52 | 19°32 | 17°24 | 21°17 | 15°22 | 25°47 | 24°54 | 25°50 | 17°26 | F 26 |
| S 27 | 0 26 8 | 4°49'55 | 9♋46 | 17°11 | 16°58 | 16°48 | 19° 5 | 19°38 | 17°28 | 21°17 | 15°24 | 25°D47 | 24°51 | 25°56 | 17°28 | S 27 |
| S 28 | 0 30 5 | 5°48'18 | 21°40 | 18°27 | 18° 7 | 17°28 | 19°17 | 19°44 | 17°32 | 21°16 | 15°26 | 25°R48 | 24°48 | 26° 3 | 17°30 | S 28 |
| M29 | 0 34 1 | 6°46'43 | 3♌44 | 19°50 | 19°16 | 18° 7 | 19°30 | 19°50 | 17°36 | 21°16 | 15°28 | 25°47 | 24°45 | 26°10 | 17°33 | M29 |
| T 30 | 0 37 58 | 7♎45'09 | 16♌ 4 | 21♍17 | 20♏24 | 18♐47 | 19♎43 | 19♌56 | 17♎39 | 21♑16 | 15♏30 | 25♑46 | 24♑41 | 26♊16 | 17♋35 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7n54 | 21n 3 | 0n11 | 1s18 | 4s45 | 6s10 | 0n25 | 21s44 | 1s36 | 4s24 | 1n 5 | 16n12 | 0n28 | 5s38 | 0n40 | 20s46 | 0n51 | 0s24 | 16n27 | 20s29 | 20s48 | 25n57 | 15n48 | 6s35 |
| T 2 | 7 32 | 17 15 | 0s56 | 1 4 | 4 47 | 6 39 | 0 21 | 21 52 | 1 36 | 4 28 | 1 5 | 16 10 | 0 28 | 5 39 | 0 40 | 20 46 | 0 51 | 0 25 | 16 26 | 20 30 | 20 48 | 25 57 | 15 48 | 6 36 |
| W 3 | 7 10 | 12 39 | 2 0 | 0 46 | 4 46 | 7 9 | 0 18 | 21 59 | 1 36 | 4 33 | 1 5 | 16 8 | 0 28 | 5 40 | 0 40 | 20 46 | 0 51 | 0 26 | 16 26 | 20 30 | 20 49 | 25 56 | 15 47 | 6 36 |
| T 4 | 6 48 | 7 24 | 3 0 | 0 26 | 4 44 | 7 39 | 0 15 | 22 7 | 1 37 | 4 38 | 1 5 | 16 6 | 0 28 | 5 42 | 0 40 | 20 46 | 0 51 | 0 26 | 16 25 | 20 31 | 20 49 | 25 56 | 15 46 | 6 37 |
| F 5 | 6 26 | 1 43 | 3 52 | 0 3 | 4 40 | 8 8 | 0 11 | 22 14 | 1 37 | 4 42 | 1 5 | 16 4 | 0 28 | 5 43 | 0 40 | 20 46 | 0 51 | 0 27 | 16 25 | 20 32 | 20 50 | 25 55 | 15 45 | 6 37 |
| S 6 | 6 4 | 4s 8 | 4 33 | 0n22 | 4 34 | 8 38 | 0 8 | 22 21 | 1 37 | 4 47 | 1 5 | 16 2 | 0 28 | 5 44 | 0 40 | 20 47 | 0 51 | 0 28 | 16 24 | 20 34 | 20 51 | 25 55 | 15 44 | 6 38 |
| S 7 | 5 42 | 9 53 | 4 58 | 0 50 | 4 26 | 9 7 | 0 4 | 22 28 | 1 38 | 4 52 | 1 5 | 16 0 | 0 28 | 5 46 | 0 40 | 20 47 | 0 51 | 0 29 | 16 24 | 20 35 | 20 51 | 25 55 | 15 43 | 6 38 |
| M 8 | 5 19 | 15 15 | 5 7 | 1 20 | 4 16 | 9 36 | 0 1 | 22 35 | 1 38 | 4 56 | 1 5 | 15 57 | 0 28 | 5 47 | 0 39 | 20 47 | 0 51 | 0 30 | 16 23 | 20 37 | 20 52 | 25 54 | 15 42 | 6 39 |
| T 9 | 4 57 | 19 52 | 4 58 | 1 51 | 4 4 | 10 5 | 0s 3 | 22 42 | 1 38 | 5 1 | 1 5 | 15 55 | 0 29 | 5 48 | 0 39 | 20 47 | 0 51 | 0 31 | 16 23 | 20 38 | 20 52 | 25 54 | 15 41 | 6 39 |
| W10 | 4 35 | 23 23 | 4 31 | 2 22 | 3 51 | 10 33 | 0 6 | 22 49 | 1 39 | 5 6 | 1 5 | 15 53 | 0 29 | 5 50 | 0 39 | 20 47 | 0 51 | 0 32 | 16 22 | 20 39 | 20 53 | 25 53 | 15 40 | 6 40 |
| T 11 | 4 12 | 25 30 | 3 47 | 2 54 | 3 37 | 11 2 | 0 10 | 22 55 | 1 39 | 5 10 | 1 5 | 15 51 | 0 29 | 5 51 | 0 39 | 20 47 | 0 51 | 0 33 | 16 22 | 20 39 | 20 54 | 25 53 | 15 39 | 6 40 |
| F 12 | 3 49 | 25 59 | 2 49 | 3 25 | 3 20 | 11 30 | 0 14 | 23 2 | 1 39 | 5 15 | 1 4 | 15 49 | 0 29 | 5 52 | 0 39 | 20 47 | 0 51 | 0 33 | 16 21 | 20 39 | 20 54 | 25 52 | 15 38 | 6 41 |
| S 13 | 3 27 | 24 46 | 1 41 | 3 56 | 3 3 | 11 58 | 0 17 | 23 8 | 1 39 | 5 20 | 1 4 | 15 47 | 0 29 | 5 54 | 0 39 | 20 48 | 0 51 | 0 34 | 16 21 | 20 39 | 20 55 | 25 52 | 15 38 | 6 41 |
| S 14 | 3 4 | 21 59 | 0 27 | 4 25 | 2 45 | 12 25 | 0 21 | 23 14 | 1 39 | 5 25 | 1 4 | 15 45 | 0 29 | 5 55 | 0 39 | 20 48 | 0 51 | 0 35 | 16 20 | 20 39 | 20 55 | 25 51 | 15 37 | 6 42 |
| M15 | 2 41 | 17 53 | 0n48 | 4 52 | 2 27 | 12 53 | 0 25 | 23 20 | 1 40 | 5 29 | 1 4 | 15 43 | 0 29 | 5 56 | 0 39 | 20 48 | 0 51 | 0 36 | 16 20 | 20 39 | 20 56 | 25 51 | 15 36 | 6 42 |
| T 16 | 2 18 | 12 50 | 2 0 | 5 16 | 2 8 | 13 20 | 0 29 | 23 26 | 1 40 | 5 34 | 1 4 | 15 41 | 0 29 | 5 58 | 0 39 | 20 48 | 0 50 | 0 37 | 16 19 | 20 39 | 20 57 | 25 50 | 15 35 | 6 43 |
| W17 | 1 55 | 7 10 | 3 4 | 5 38 | 1 48 | 13 47 | 0 33 | 23 32 | 1 40 | 5 39 | 1 4 | 15 39 | 0 29 | 5 59 | 0 39 | 20 48 | 0 50 | 0 38 | 16 19 | 20 40 | 20 57 | 25 50 | 15 34 | 6 43 |
| T 18 | 1 33 | 1 15 | 3 56 | 5 57 | 1 29 | 14 14 | 0 37 | 23 38 | 1 40 | 5 44 | 1 4 | 15 37 | 0 30 | 6 0 | 0 39 | 20 48 | 0 50 | 0 39 | 16 19 | 20 41 | 20 58 | 25 49 | 15 33 | 6 44 |
| F 19 | 1 10 | 4n36 | 4 34 | 6 12 | 1 10 | 14 40 | 0 41 | 23 43 | 1 40 | 5 48 | 1 4 | 15 35 | 0 30 | 6 2 | 0 39 | 20 48 | 0 50 | 0 40 | 16 18 | 20 43 | 20 58 | 25 49 | 15 32 | 6 44 |
| S 20 | 0 47 | 10 9 | 4 57 | 6 23 | 0 52 | 15 6 | 0 45 | 23 48 | 1 40 | 5 53 | 1 4 | 15 34 | 0 30 | 6 3 | 0 39 | 20 48 | 0 50 | 0 40 | 16 18 | 20 45 | 20 59 | 25 48 | 15 31 | 6 45 |
| S 21 | 0 24 | 15 7 | 5 4 | 6 31 | 0 34 | 15 32 | 0 49 | 23 54 | 1 41 | 5 58 | 1 4 | 15 32 | 0 30 | 6 5 | 0 39 | 20 49 | 0 50 | 0 41 | 16 17 | 20 47 | 20 59 | 25 48 | 15 30 | 6 45 |
| M22 | 0 1 | 19 19 | 4 55 | 6 34 | 0 17 | 15 57 | 0 52 | 23 58 | 1 41 | 6 3 | 1 4 | 15 30 | 0 30 | 6 6 | 0 39 | 20 49 | 0 50 | 0 42 | 16 17 | 20 49 | 21 0 | 25 47 | 15 30 | 6 46 |
| T 23 | 0s22 | 22 35 | 4 33 | 6 34 | 0 1 | 16 22 | 0 56 | 24 3 | 1 41 | 6 8 | 1 4 | 15 28 | 0 30 | 6 7 | 0 39 | 20 49 | 0 50 | 0 43 | 16 16 | 20 51 | 21 1 | 25 47 | 15 29 | 6 46 |
| W24 | 0 45 | 24 47 | 3 59 | 6 29 | 0n14 | 16 47 | 1 1 | 24 8 | 1 41 | 6 12 | 1 4 | 15 26 | 0 30 | 6 9 | 0 39 | 20 49 | 0 50 | 0 44 | 16 16 | 20 52 | 21 1 | 25 46 | 15 28 | 6 47 |
| T 25 | 1 9 | 25 49 | 3 15 | 6 20 | 0 29 | 17 11 | 1 5 | 24 12 | 1 41 | 6 17 | 1 4 | 15 24 | 0 30 | 6 10 | 0 39 | 20 49 | 0 50 | 0 45 | 16 16 | 20 52 | 21 2 | 25 46 | 15 27 | 6 48 |
| F 26 | 1 32 | 25 41 | 2 23 | 6 8 | 0 42 | 17 35 | 1 9 | 24 17 | 1 41 | 6 22 | 1 4 | 15 22 | 0 31 | 6 12 | 0 39 | 20 49 | 0 50 | 0 46 | 16 15 | 20 53 | 21 2 | 25 45 | 15 26 | 6 48 |
| S 27 | 1 55 | 24 22 | 1 24 | 5 52 | 0 54 | 17 59 | 1 13 | 24 21 | 1 41 | 6 27 | 1 4 | 15 20 | 0 31 | 6 13 | 0 39 | 20 49 | 0 50 | 0 47 | 16 15 | 20 53 | 21 3 | 25 45 | 15 25 | 6 49 |
| S 28 | 2 18 | 21 57 | 0 22 | 5 32 | 1 4 | 18 22 | 1 17 | 24 25 | 1 41 | 6 32 | 1 4 | 15 19 | 0 31 | 6 15 | 0 39 | 20 49 | 0 50 | 0 47 | 16 15 | 20 53 | 21 3 | 25 44 | 15 24 | 6 49 |
| M29 | 2 41 | 18 32 | 0s42 | 5 9 | 1 14 | 18 45 | 1 21 | 24 28 | 1 41 | 6 37 | 1 4 | 15 17 | 0 31 | 6 16 | 0 39 | 20 49 | 0 50 | 0 48 | 16 14 | 20 53 | 21 4 | 25 43 | 15 24 | 6 50 |
| T 30 | 3s 4 | 14n16 | 1s46 | 4n42 | 1n23 | 19s 7 | 1s25 | 24s32 | 1s42 | 6s41 | 1n 4 | 15n15 | 0n31 | 6s17 | 0n39 | 20s49 | 0n50 | 0s49 | 16n14 | 20s53 | 21s 4 | 25n43 | 15n23 | 6s50 |

Julian Day Number = 2808630.5, Delta T = 52m28s
Ecliptic obliquity = 23°18'50, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'33, Lahiri = 37°32'34


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# ASTRODIENST EPHEMERIS for the year 2977
# geocentric

## OCTOBER 2977 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 0 41 54 | 8♎43'38 | 28♌42 | 22♍49 | 21♏33 | 19♐27 | 19♎56 | 20♌ 2 | 17♎43 | 21°R16 | 15♏32 | 25°R42 | 24♑38 | 26♊23 | 17♋37 | W 1 |
| T 2 | 0 45 51 | 9°42'09 | 11♍43 | 24°25 | 22°41 | 20° 7 | 20° 9 | 20° 8 | 17°47 | 21°D16 | 15°34 | 25♑35 | 24°35 | 26°30 | 17°39 | T 2 |
| F 3 | 0 49 48 | 10°40'41 | 25° 6 | 26° 4 | 23°49 | 20°47 | 20°21 | 20°14 | 17°51 | 21♑16 | 15°36 | 25°26 | 24°32 | 26°36 | 17°41 | F 3 |
| S 4 | 0 53 44 | 11°39'16 | 8♎51 | 27°46 | 24°57 | 21°27 | 20°34 | 20°20 | 17°54 | 21°16 | 15°38 | 25°15 | 24°29 | 26°43 | 17°43 | S 4 |
| S 5 | 0 57 41 | 12°37'52 | 22°55 | 29°30 | 26° 5 | 22° 7 | 20°47 | 20°26 | 17°58 | 21°16 | 15°40 | 25° 3 | 24°25 | 26°50 | 17°44 | S 5 |
| M 6 | 1 1 37 | 13°36'30 | 7♏12 | 1♎16 | 27°13 | 22°48 | 21° 0 | 20°31 | 18° 2 | 21°16 | 15°42 | 24°52 | 24°22 | 26°56 | 17°46 | M 6 |
| T 7 | 1 5 34 | 14°35'10 | 21°37 | 3° 4 | 28°21 | 23°28 | 21°13 | 20°37 | 18° 6 | 21°17 | 15°44 | 24°42 | 24°19 | 27° 3 | 17°48 | T 7 |
| W 8 | 1 9 30 | 15°33'52 | 6♐ 3 | 4°52 | 29°28 | 24° 9 | 21°26 | 20°42 | 18° 9 | 21°17 | 15°46 | 24°35 | 24°16 | 27°10 | 17°49 | W 8 |
| T 9 | 1 13 27 | 16°32'36 | 20°25 | 6°42 | 0♐36 | 24°50 | 21°39 | 20°48 | 18°13 | 21°17 | 15°49 | 24°31 | 24°13 | 27°16 | 17°51 | T 9 |
| F 10 | 1 17 23 | 17°31'21 | 4♑41 | 8°31 | 1°43 | 25°31 | 21°52 | 20°53 | 18°17 | 21°17 | 15°51 | 24°29 | 24°10 | 27°23 | 17°52 | F 10 |
| S 11 | 1 21 20 | 18°30'08 | 18°47 | 10°21 | 2°50 | 26°12 | 22° 5 | 20°59 | 18°21 | 21°17 | 15°53 | 24°29 | 24° 6 | 27°30 | 17°53 | S 11 |
| S 12 | 1 25 17 | 19°28'56 | 2♒44 | 12°11 | 3°58 | 26°53 | 22°18 | 21° 4 | 18°25 | 21°18 | 15°55 | 24°29 | 24° 3 | 27°36 | 17°54 | S 12 |
| M13 | 1 29 13 | 20°27'46 | 16°31 | 14° 1 | 5° 4 | 27°35 | 22°30 | 21° 9 | 18°28 | 21°18 | 15°57 | 24°27 | 24° 0 | 27°43 | 17°56 | M13 |
| T 14 | 1 33 10 | 21°26'37 | 0♓ 8 | 15°50 | 6°11 | 28°16 | 22°43 | 21°14 | 18°32 | 21°18 | 16° 0 | 24°24 | 23°57 | 27°50 | 17°57 | T 14 |
| W15 | 1 37 6 | 22°25'31 | 13°36 | 17°39 | 7°18 | 28°58 | 22°56 | 21°19 | 18°36 | 21°19 | 16° 2 | 24°18 | 23°54 | 27°56 | 17°58 | W15 |
| T 16 | 1 41 3 | 23°24'26 | 26°53 | 19°28 | 8°24 | 29°39 | 23° 9 | 21°24 | 18°40 | 21°19 | 16° 4 | 24° 9 | 23°50 | 28° 3 | 17°58 | T 16 |
| F 17 | 1 44 59 | 24°23'22 | 9♈59 | 21°16 | 9°31 | 0♑21 | 23°22 | 21°29 | 18°44 | 21°20 | 16° 6 | 23°57 | 23°47 | 28°10 | 17°59 | F 17 |
| S 18 | 1 48 56 | 25°22'21 | 22°52 | 23° 3 | 10°37 | 1° 3 | 23°35 | 21°34 | 18°47 | 21°20 | 16° 9 | 23°44 | 23°44 | 28°16 | 18° 0 | S 18 |
| S 19 | 1 52 52 | 26°21'22 | 5♉32 | 24°50 | 11°43 | 1°45 | 23°48 | 21°39 | 18°51 | 21°21 | 16°11 | 23°31 | 23°41 | 28°23 | 18° 1 | S 19 |
| M20 | 1 56 49 | 27°20'25 | 17°58 | 26°35 | 12°49 | 2°27 | 24° 1 | 21°43 | 18°55 | 21°21 | 16°13 | 23°18 | 23°38 | 28°30 | 18° 1 | M20 |
| T 21 | 2 0 46 | 28°19'30 | 0♊11 | 28°20 | 13°54 | 3° 9 | 24°14 | 21°48 | 18°59 | 21°22 | 16°16 | 23° 7 | 23°35 | 28°36 | 18° 2 | T 21 |
| W22 | 2 4 42 | 29°18'37 | 12°13 | 0♏ 5 | 15° 0 | 3°52 | 24°27 | 21°52 | 19° 2 | 21°23 | 16°18 | 22°59 | 23°31 | 28°43 | 18° 2 | W22 |
| T 23 | 2 8 39 | 0♏17'46 | 24° 6 | 1°48 | 16° 5 | 4°34 | 24°40 | 21°57 | 19° 6 | 21°23 | 16°20 | 22°53 | 23°28 | 28°50 | 18° 2 | T 23 |
| F 24 | 2 12 35 | 1°16'57 | 5♋54 | 3°31 | 17°10 | 5°16 | 24°53 | 22° 1 | 19°10 | 21°24 | 16°23 | 22°50 | 23°25 | 28°56 | 18° 3 | F 24 |
| S 25 | 2 16 32 | 2°16'11 | 17°42 | 5°13 | 18°15 | 5°59 | 25° 6 | 22° 5 | 19°14 | 21°25 | 16°25 | 22°49 | 23°22 | 29° 3 | 18° 3 | S 25 |
| S 26 | 2 20 28 | 3°15'27 | 29°34 | 6°54 | 19°19 | 6°42 | 25°19 | 22° 9 | 19°17 | 21°25 | 16°27 | 22°49 | 23°19 | 29°10 | 18°R 3 | S 26 |
| M27 | 2 24 25 | 4°14'45 | 11♌37 | 8°35 | 20°24 | 7°25 | 25°32 | 22°13 | 19°21 | 21°26 | 16°30 | 22°49 | 23°16 | 29°16 | 18° 3 | M27 |
| T 28 | 2 28 21 | 5°14'05 | 23°56 | 10°14 | 21°28 | 8° 7 | 25°44 | 22°17 | 19°25 | 21°27 | 16°32 | 22°48 | 23°12 | 29°23 | 18° 3 | T 28 |
| W29 | 2 32 18 | 6°13'28 | 6♍35 | 11°53 | 22°32 | 8°50 | 25°57 | 22°21 | 19°28 | 21°28 | 16°35 | 22°44 | 23° 9 | 29°30 | 18° 3 | W29 |
| T 30 | 2 36 15 | 7°12'53 | 19°39 | 13°32 | 23°36 | 9°34 | 26°10 | 22°25 | 19°32 | 21°29 | 16°37 | 22°38 | 23° 6 | 29°36 | 18° 2 | T 30 |
| F 31 | 2 40 11 | 8♏12'20 | 3♎10 | 15♏ 9 | 24♐39 | 10♑17 | 26♎23 | 22♌29 | 19♎36 | 21♑30 | 16♏39 | 22♑30 | 23♑ 3 | 29♊43 | 18♋ 2 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 3s27 | 9n17 | 2s45 | 4n13 | 1n30 | 19s29 | 1s29 | 24s35 | 1s42 | 6s46 | 1n 4 | 15n13 | 0n31 | 6s19 | 0n39 | 20s49 | 0n50 | 0s50 | 16n14 | 20s54 | 21s 5 | 25n42 | 15n22 | 6s51 |
| T 2 | 3 49 | 3 46 | 3 38 | 3 41 | 1 36 | 19 51 | 1 33 | 24 38 | 1 42 | 6 51 | 1 4 | 15 11 | 0 31 | 6 20 | 0 39 | 20 49 | 0 50 | 0 51 | 16 13 | 20 55 | 21 6 | 25 42 | 15 21 | 6 52 |
| F 3 | 4 12 | 2s 3 | 4 20 | 3 6 | 1 41 | 20 12 | 1 37 | 24 41 | 1 42 | 6 56 | 1 3 | 15 10 | 0 31 | 6 22 | 0 39 | 20 49 | 0 50 | 0 52 | 16 13 | 20 57 | 21 6 | 25 41 | 15 20 | 6 52 |
| S 4 | 4 35 | 7 55 | 4 49 | 2 29 | 1 45 | 20 32 | 1 41 | 24 44 | 1 42 | 7 1 | 1 3 | 15 8 | 0 32 | 6 23 | 0 39 | 20 49 | 0 50 | 0 53 | 16 13 | 20 59 | 21 7 | 25 40 | 15 19 | 6 53 |
| S 5 | 4 58 | 13 31 | 5 1 | 1 51 | 1 48 | 20 52 | 1 45 | 24 46 | 1 42 | 7 6 | 1 3 | 15 6 | 0 32 | 6 25 | 0 39 | 20 49 | 0 50 | 0 54 | 16 12 | 21 1 | 21 7 | 25 40 | 15 19 | 6 53 |
| M 6 | 5 21 | 18 28 | 4 54 | 1 11 | 1 50 | 21 12 | 1 49 | 24 49 | 1 42 | 7 10 | 1 3 | 15 5 | 0 32 | 6 26 | 0 39 | 20 49 | 0 50 | 0 54 | 16 12 | 21 3 | 21 8 | 25 39 | 15 18 | 6 54 |
| T 7 | 5 43 | 22 24 | 4 29 | 0 29 | 1 51 | 21 31 | 1 53 | 24 51 | 1 42 | 7 15 | 1 3 | 15 3 | 0 32 | 6 27 | 0 39 | 20 49 | 0 50 | 0 55 | 16 12 | 21 4 | 21 8 | 25 39 | 15 17 | 6 55 |
| W 8 | 6 6 | 24 55 | 3 46 | 0s13 | 1 51 | 21 50 | 1 57 | 24 53 | 1 42 | 7 20 | 1 3 | 15 1 | 0 32 | 6 29 | 0 39 | 20 49 | 0 50 | 0 56 | 16 11 | 21 6 | 21 9 | 25 38 | 15 16 | 6 55 |
| T 9 | 6 28 | 25 47 | 2 50 | 0 57 | 1 51 | 22 8 | 2 1 | 24 54 | 1 42 | 7 25 | 1 3 | 15 0 | 0 32 | 6 30 | 0 39 | 20 49 | 0 50 | 0 57 | 16 11 | 21 6 | 21 10 | 25 37 | 15 15 | 6 56 |
| F 10 | 6 51 | 24 57 | 1 43 | 1 41 | 1 50 | 22 26 | 2 5 | 24 56 | 1 42 | 7 30 | 1 3 | 14 58 | 0 32 | 6 32 | 0 39 | 20 49 | 0 50 | 0 58 | 16 11 | 21 7 | 21 10 | 25 37 | 15 15 | 6 57 |
| S 11 | 7 13 | 22 30 | 0 30 | 2 25 | 1 48 | 22 43 | 2 8 | 24 57 | 1 42 | 7 34 | 1 3 | 14 57 | 0 32 | 6 33 | 0 39 | 20 49 | 0 50 | 0 59 | 16 10 | 21 7 | 21 11 | 25 36 | 15 14 | 6 57 |
| S 12 | 7 35 | 18 44 | 0n44 | 3 10 | 1 45 | 23 0 | 2 12 | 24 58 | 1 41 | 7 39 | 1 3 | 14 55 | 0 33 | 6 35 | 0 39 | 20 49 | 0 50 | 0 59 | 16 10 | 21 7 | 21 11 | 25 35 | 15 13 | 6 58 |
| M13 | 7 57 | 14 0 | 1 54 | 3 56 | 1 42 | 23 16 | 2 16 | 24 59 | 1 41 | 7 44 | 1 3 | 14 53 | 0 33 | 6 36 | 0 39 | 20 49 | 0 50 | 1 0 | 16 10 | 21 7 | 21 12 | 25 35 | 15 12 | 6 58 |
| T 14 | 8 19 | 8 37 | 2 56 | 4 41 | 1 39 | 23 31 | 2 20 | 24 59 | 1 41 | 7 49 | 1 3 | 14 52 | 0 33 | 6 38 | 0 39 | 20 49 | 0 49 | 1 1 | 16 10 | 21 8 | 21 12 | 25 34 | 15 12 | 6 59 |
| W15 | 8 41 | 2 54 | 3 48 | 5 26 | 1 35 | 23 46 | 2 24 | 25 0 | 1 41 | 7 54 | 1 3 | 14 50 | 0 33 | 6 39 | 0 39 | 20 49 | 0 49 | 1 2 | 16 9 | 21 9 | 21 13 | 25 33 | 15 11 | 7 0 |
| T 16 | 9 3 | 2n52 | 4 27 | 6 11 | 1 31 | 24 1 | 2 27 | 25 0 | 1 41 | 7 58 | 1 3 | 14 49 | 0 33 | 6 40 | 0 39 | 20 49 | 0 49 | 1 3 | 16 9 | 21 10 | 21 13 | 25 33 | 15 10 | 7 0 |
| F 17 | 9 24 | 8 24 | 4 51 | 6 55 | 1 26 | 24 15 | 2 31 | 25 0 | 1 41 | 8 3 | 1 3 | 14 48 | 0 33 | 6 42 | 0 39 | 20 49 | 0 49 | 1 4 | 16 9 | 21 12 | 21 14 | 25 32 | 15 9 | 7 1 |
| S 18 | 9 46 | 13 29 | 5 0 | 7 40 | 1 21 | 24 28 | 2 34 | 25 0 | 1 41 | 8 8 | 1 3 | 14 46 | 0 33 | 6 43 | 0 39 | 20 49 | 0 49 | 1 4 | 16 9 | 21 14 | 21 14 | 25 31 | 15 9 | 7 1 |
| S 19 | 10 7 | 17 54 | 4 53 | 8 24 | 1 15 | 24 41 | 2 38 | 24 59 | 1 41 | 8 13 | 1 3 | 14 45 | 0 34 | 6 45 | 0 39 | 20 49 | 0 49 | 1 5 | 16 9 | 21 17 | 21 15 | 25 30 | 15 8 | 7 2 |
| M20 | 10 28 | 21 28 | 4 33 | 9 7 | 1 10 | 24 53 | 2 41 | 24 58 | 1 41 | 8 17 | 1 3 | 14 43 | 0 34 | 6 46 | 0 39 | 20 49 | 0 49 | 1 6 | 16 8 | 21 19 | 21 16 | 25 30 | 15 7 | 7 3 |
| T 21 | 10 49 | 24 0 | 4 0 | 9 50 | 1 4 | 25 5 | 2 45 | 24 57 | 1 41 | 8 22 | 1 3 | 14 42 | 0 34 | 6 48 | 0 39 | 20 49 | 0 49 | 1 7 | 16 8 | 21 21 | 21 16 | 25 29 | 15 7 | 7 3 |
| W22 | 11 10 | 25 24 | 3 17 | 10 32 | 0 58 | 25 15 | 2 48 | 24 56 | 1 40 | 8 27 | 1 3 | 14 41 | 0 34 | 6 49 | 0 39 | 20 49 | 0 49 | 1 8 | 16 8 | 21 22 | 21 17 | 25 28 | 15 6 | 7 4 |
| T 23 | 11 31 | 25 37 | 2 26 | 11 14 | 0 52 | 25 26 | 2 51 | 24 54 | 1 40 | 8 31 | 1 3 | 14 40 | 0 34 | 6 50 | 0 39 | 20 49 | 0 49 | 1 8 | 16 8 | 21 23 | 21 17 | 25 28 | 15 5 | 7 5 |
| F 24 | 11 52 | 24 39 | 1 28 | 11 55 | 0 45 | 25 36 | 2 55 | 24 53 | 1 40 | 8 36 | 1 3 | 14 38 | 0 34 | 6 52 | 0 39 | 20 49 | 0 49 | 1 9 | 16 8 | 21 24 | 21 18 | 25 27 | 15 5 | 7 5 |
| S 25 | 12 12 | 22 36 | 0 27 | 12 35 | 0 39 | 25 45 | 2 58 | 24 51 | 1 40 | 8 41 | 1 3 | 14 37 | 0 34 | 6 53 | 0 39 | 20 49 | 0 49 | 1 10 | 16 8 | 21 24 | 21 18 | 25 26 | 15 4 | 7 6 |
| S 26 | 12 32 | 19 33 | 0s36 | 13 14 | 0 32 | 25 53 | 3 1 | 24 48 | 1 40 | 8 45 | 1 3 | 14 36 | 0 35 | 6 55 | 0 39 | 20 49 | 0 49 | 1 11 | 16 7 | 21 24 | 21 19 | 25 25 | 15 3 | 7 6 |
| M27 | 12 52 | 15 38 | 1 38 | 13 53 | 0 25 | 26 1 | 3 4 | 24 46 | 1 40 | 8 50 | 1 3 | 14 35 | 0 35 | 6 56 | 0 39 | 20 49 | 0 49 | 1 11 | 16 7 | 21 24 | 21 19 | 25 24 | 15 3 | 7 7 |
| T 28 | 13 12 | 11 0 | 2 37 | 14 31 | 0 19 | 26 9 | 3 7 | 24 43 | 1 39 | 8 55 | 1 3 | 14 34 | 0 35 | 6 57 | 0 39 | 20 48 | 0 49 | 1 12 | 16 7 | 21 24 | 21 20 | 25 24 | 15 2 | 7 8 |
| W29 | 13 32 | 5 47 | 3 30 | 15 8 | 0 12 | 26 15 | 3 9 | 24 40 | 1 39 | 8 59 | 1 3 | 14 32 | 0 35 | 6 59 | 0 39 | 20 48 | 0 49 | 1 13 | 16 7 | 21 24 | 21 20 | 25 23 | 15 2 | 7 8 |
| T 30 | 13 51 | 0 11 | 4 14 | 15 44 | 0 5 | 26 21 | 3 12 | 24 37 | 1 39 | 9 4 | 1 4 | 14 31 | 0 35 | 7 0 | 0 39 | 20 48 | 0 49 | 1 14 | 16 7 | 21 25 | 21 21 | 25 22 | 15 1 | 7 9 |
| F 31 | 14s10 | 5s37 | 4s45 | 16s20 | 0s 2 | 26s27 | 3s15 | 24s34 | 1s39 | 9s 8 | 1n 4 | 14n30 | 0n35 | 7s 1 | 0n39 | 20s48 | 0n49 | 1s14 | 16n 7 | 21s27 | 21s21 | 25n21 | 15n 0 | 7s10 |

Julian Day Number = 2808660.5, Delta T = 52m29s
Ecliptic obliquity = 23°18'50, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'38, Lahiri = 37°32'38


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# ASTRODIENST EPHEMERIS for the year 2977
# geocentric

## NOVEMBER 2977 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 44 8 | 9♏11'49 | 17♎ 8 | 16♏46 | 25♐43 | 11♑ 0 | 26♎36 | 22♌32 | 19♎39 | 21♑31 | 16♏42 | 22°R19 | 23♑ 0 | 29♊50 | 18°R 2 | S 1 |
| S 2 | 2 48 4 | 10°11'20 | 1♏30 | 18°23 | 26°46 | 11°43 | 26°49 | 22°36 | 19°43 | 21°32 | 16°44 | 22♑ 8 | 22°56 | 29°56 | 18♋ 1 | S 2 |
| M 3 | 2 52 1 | 11°10'53 | 16°10 | 19°59 | 27°48 | 12°27 | 27° 1 | 22°39 | 19°47 | 21°33 | 16°47 | 21°57 | 22°53 | 0♋ 3 | 18° 1 | M 3 |
| T 4 | 2 55 57 | 12°10'29 | 0♐59 | 21°34 | 28°51 | 13°10 | 27°14 | 22°42 | 19°50 | 21°34 | 16°49 | 21°48 | 22°50 | 0°10 | 18° 0 | T 4 |
| W 5 | 2 59 54 | 13°10'06 | 15°51 | 23° 8 | 29°53 | 13°54 | 27°27 | 22°46 | 19°54 | 21°35 | 16°51 | 21°41 | 22°47 | 0°16 | 17°59 | W 5 |
| T 6 | 3 3 50 | 14° 9'45 | 0♑35 | 24°42 | 0♑55 | 14°38 | 27°40 | 22°49 | 19°57 | 21°36 | 16°54 | 21°37 | 22°44 | 0°23 | 17°58 | T 6 |
| F 7 | 3 7 47 | 15° 9'26 | 15° 8 | 26°15 | 1°57 | 15°22 | 27°52 | 22°52 | 20° 1 | 21°37 | 16°56 | 21°D35 | 22°41 | 0°29 | 17°57 | F 7 |
| S 8 | 3 11 44 | 16° 9'08 | 29°25 | 27°48 | 2°58 | 16° 6 | 28° 5 | 22°55 | 20° 4 | 21°38 | 16°59 | 21°35 | 22°37 | 0°36 | 17°56 | S 8 |
| S 9 | 3 15 40 | 17° 8'52 | 13♒24 | 29°20 | 3°59 | 16°49 | 28°18 | 22°57 | 20° 8 | 21°39 | 17° 1 | 21°R36 | 22°34 | 0°43 | 17°55 | S 9 |
| M10 | 3 19 37 | 18° 8'38 | 27° 6 | 0♐52 | 5° 0 | 17°34 | 28°30 | 23° 0 | 20°11 | 21°41 | 17° 4 | 21°35 | 22°31 | 0°49 | 17°54 | M10 |
| T 11 | 3 23 33 | 19° 8'25 | 10♓31 | 2°23 | 6° 0 | 18°18 | 28°43 | 23° 3 | 20°15 | 21°42 | 17° 6 | 21°33 | 22°28 | 0°56 | 17°53 | T 11 |
| W12 | 3 27 30 | 20° 8'13 | 23°42 | 3°54 | 7° 0 | 19° 2 | 28°55 | 23° 5 | 20°18 | 21°43 | 17° 8 | 21°29 | 22°25 | 1° 3 | 17°52 | W12 |
| T 13 | 3 31 26 | 21° 8'04 | 6♈40 | 5°24 | 7°59 | 19°46 | 29° 8 | 23° 7 | 20°22 | 21°44 | 17°11 | 21°22 | 22°22 | 1° 9 | 17°50 | T 13 |
| F 14 | 3 35 23 | 22° 7'56 | 19°25 | 6°54 | 8°58 | 20°31 | 29°20 | 23°10 | 20°25 | 21°46 | 17°13 | 21°12 | 22°18 | 1°16 | 17°49 | F 14 |
| S 15 | 3 39 19 | 23° 7'50 | 1♉59 | 8°23 | 9°57 | 21°15 | 29°33 | 23°12 | 20°28 | 21°47 | 17°16 | 21° 2 | 22°15 | 1°23 | 17°47 | S 15 |
| S 16 | 3 43 16 | 24° 7'45 | 14°22 | 9°51 | 10°55 | 22° 0 | 29°45 | 23°14 | 20°32 | 21°49 | 17°18 | 20°51 | 22°12 | 1°29 | 17°46 | S 16 |
| M17 | 3 47 13 | 25° 7'43 | 26°35 | 11°19 | 11°53 | 22°44 | 29°57 | 23°16 | 20°35 | 21°50 | 17°20 | 20°40 | 22° 9 | 1°36 | 17°44 | M17 |
| T 18 | 3 51 9 | 26° 7'42 | 8♊39 | 12°46 | 12°50 | 23°29 | 0♏10 | 23°18 | 20°38 | 21°51 | 17°23 | 20°31 | 22° 6 | 1°43 | 17°42 | T 18 |
| W19 | 3 55 6 | 27° 7'43 | 20°35 | 14°13 | 13°47 | 24°13 | 0°22 | 23°19 | 20°42 | 21°53 | 17°25 | 20°25 | 22° 2 | 1°49 | 17°40 | W19 |
| T 20 | 3 59 2 | 28° 7'46 | 2♋24 | 15°40 | 14°43 | 24°58 | 0°34 | 23°21 | 20°45 | 21°54 | 17°28 | 20°20 | 21°59 | 1°56 | 17°39 | T 20 |
| F 21 | 4 2 59 | 29° 7'51 | 14°11 | 17° 5 | 15°39 | 25°43 | 0°46 | 23°23 | 20°48 | 21°56 | 17°30 | 20°18 | 21°56 | 2° 3 | 17°37 | F 21 |
| S 22 | 4 6 55 | 0♐ 7'58 | 25°58 | 18°30 | 16°34 | 26°28 | 0°58 | 23°24 | 20°51 | 21°57 | 17°32 | 20°D18 | 21°53 | 2° 9 | 17°35 | S 22 |
| S 23 | 4 10 52 | 1° 8'07 | 7♌50 | 19°54 | 17°29 | 27°13 | 1°10 | 23°25 | 20°54 | 21°59 | 17°35 | 20°19 | 21°50 | 2°16 | 17°32 | S 23 |
| M24 | 4 14 48 | 2° 8'18 | 19°51 | 21°17 | 18°23 | 27°58 | 1°22 | 23°27 | 20°57 | 22° 1 | 17°37 | 20°21 | 21°47 | 2°23 | 17°30 | M24 |
| T 25 | 4 18 45 | 3° 8'31 | 2♍ 7 | 22°40 | 19°16 | 28°43 | 1°34 | 23°28 | 21° 1 | 22° 2 | 17°40 | 20°R22 | 21°43 | 2°29 | 17°28 | T 25 |
| W26 | 4 22 42 | 4° 8'45 | 14°42 | 24° 2 | 20° 9 | 29°28 | 1°46 | 23°29 | 21° 4 | 22° 4 | 17°42 | 20°21 | 21°40 | 2°36 | 17°26 | W26 |
| T 27 | 4 26 38 | 5° 9'02 | 27°42 | 25°22 | 21° 1 | 0♒14 | 1°58 | 23°29 | 21° 7 | 22° 6 | 17°44 | 20°18 | 21°37 | 2°43 | 17°23 | T 27 |
| F 28 | 4 30 35 | 6° 9'21 | 11♎10 | 26°41 | 21°53 | 0°59 | 2°10 | 23°30 | 21°10 | 22° 7 | 17°47 | 20°14 | 21°34 | 2°49 | 17°21 | F 28 |
| S 29 | 4 34 31 | 7° 9'41 | 25° 6 | 28° 0 | 22°44 | 1°44 | 2°22 | 23°31 | 21°12 | 22° 9 | 17°49 | 20° 8 | 21°31 | 2°56 | 17°18 | S 29 |
| S 30 | 4 38 28 | 8♐10'04 | 9♏31 | 29♐16 | 23♑34 | 2♒30 | 2♏33 | 23♌31 | 21♎15 | 22♑11 | 17♏51 | 20♑ 2 | 21♑28 | 3♋ 3 | 17♋16 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s29 | 11s20 | 5s 1 | 16s54 | 0s 9 | 26s32 | 3s17 | 24s30 | 1s39 | 9s13 | 1n 4 | 14n29 | 0n35 | 7s 3 | 0n39 | 20s48 | 0n49 | 1s15 | 16n 7 | 21s29 | 21s22 | 25n21 | 15n 0 | 7s10 |
| S 2 | 14 48 | 16 35 | 4 58 | 17 28 | 0 16 | 26 36 | 3 20 | 24 26 | 1 38 | 9 18 | 1 4 | 14 28 | 0 36 | 7 4 | 0 39 | 20 48 | 0 49 | 1 16 | 16 7 | 21 30 | 21 22 | 25 20 | 14 59 | 7 11 |
| M 3 | 15 6 | 20 59 | 4 36 | 18 0 | 0 23 | 26 40 | 3 22 | 24 22 | 1 38 | 9 22 | 1 4 | 14 27 | 0 36 | 7 6 | 0 39 | 20 48 | 0 49 | 1 16 | 16 7 | 21 32 | 21 23 | 25 19 | 14 59 | 7 11 |
| T 4 | 15 25 | 24 5 | 3 55 | 18 32 | 0 29 | 26 43 | 3 24 | 24 17 | 1 38 | 9 27 | 1 4 | 14 26 | 0 36 | 7 7 | 0 39 | 20 48 | 0 49 | 1 17 | 16 6 | 21 34 | 21 24 | 25 18 | 14 58 | 7 12 |
| W 5 | 15 43 | 25 31 | 2 58 | 19 3 | 0 36 | 26 45 | 3 26 | 24 13 | 1 38 | 9 31 | 1 4 | 14 26 | 0 36 | 7 8 | 0 39 | 20 48 | 0 49 | 1 18 | 16 6 | 21 35 | 21 24 | 25 17 | 14 58 | 7 13 |
| T 6 | 16 0 | 25 8 | 1 49 | 19 32 | 0 43 | 26 47 | 3 28 | 24 8 | 1 37 | 9 36 | 1 4 | 14 25 | 0 36 | 7 10 | 0 39 | 20 47 | 0 49 | 1 19 | 16 6 | 21 35 | 21 25 | 25 16 | 14 57 | 7 13 |
| F 7 | 16 18 | 23 2 | 0 34 | 20 1 | 0 50 | 26 48 | 3 30 | 24 2 | 1 37 | 9 40 | 1 4 | 14 24 | 0 36 | 7 11 | 0 39 | 20 47 | 0 49 | 1 19 | 16 6 | 21 36 | 21 25 | 25 16 | 14 57 | 7 14 |
| S 8 | 16 35 | 19 29 | 0n42 | 20 29 | 0 56 | 26 49 | 3 32 | 23 57 | 1 37 | 9 45 | 1 4 | 14 23 | 0 37 | 7 12 | 0 39 | 20 47 | 0 49 | 1 20 | 16 6 | 21 36 | 21 26 | 25 15 | 14 56 | 7 14 |
| S 9 | 16 52 | 14 54 | 1 54 | 20 56 | 1 3 | 26 49 | 3 33 | 23 51 | 1 36 | 9 49 | 1 4 | 14 22 | 0 37 | 7 13 | 0 39 | 20 47 | 0 49 | 1 21 | 16 6 | 21 35 | 21 26 | 25 14 | 14 56 | 7 15 |
| M10 | 17 9 | 9 38 | 2 58 | 21 21 | 1 9 | 26 48 | 3 35 | 23 45 | 1 36 | 9 53 | 1 4 | 14 22 | 0 37 | 7 15 | 0 39 | 20 47 | 0 49 | 1 21 | 16 6 | 21 36 | 21 27 | 25 13 | 14 55 | 7 16 |
| T 11 | 17 25 | 4 2 | 3 50 | 21 46 | 1 15 | 26 47 | 3 36 | 23 39 | 1 36 | 9 58 | 1 4 | 14 21 | 0 37 | 7 16 | 0 39 | 20 47 | 0 48 | 1 22 | 16 6 | 21 36 | 21 27 | 25 12 | 14 55 | 7 16 |
| W12 | 17 41 | 1n39 | 4 30 | 22 9 | 1 22 | 26 45 | 3 37 | 23 33 | 1 35 | 10 2 | 1 4 | 14 20 | 0 37 | 7 17 | 0 39 | 20 46 | 0 48 | 1 22 | 16 6 | 21 37 | 21 28 | 25 11 | 14 55 | 7 17 |
| T 13 | 17 57 | 7 9 | 4 55 | 22 32 | 1 28 | 26 43 | 3 39 | 23 26 | 1 35 | 10 6 | 1 4 | 14 20 | 0 37 | 7 19 | 0 39 | 20 46 | 0 48 | 1 23 | 16 6 | 21 38 | 21 28 | 25 10 | 14 54 | 7 17 |
| F 14 | 18 12 | 12 15 | 5 4 | 22 53 | 1 34 | 26 40 | 3 39 | 23 19 | 1 35 | 10 11 | 1 4 | 14 19 | 0 38 | 7 20 | 0 39 | 20 46 | 0 48 | 1 24 | 16 6 | 21 39 | 21 29 | 25 10 | 14 54 | 7 18 |
| S 15 | 18 27 | 16 46 | 4 59 | 23 13 | 1 39 | 26 36 | 3 40 | 23 12 | 1 34 | 10 15 | 1 4 | 14 18 | 0 38 | 7 21 | 0 39 | 20 46 | 0 48 | 1 24 | 16 6 | 21 41 | 21 29 | 25 9 | 14 53 | 7 18 |
| S 16 | 18 42 | 20 31 | 4 40 | 23 32 | 1 45 | 26 32 | 3 41 | 23 5 | 1 34 | 10 19 | 1 4 | 14 18 | 0 38 | 7 22 | 0 39 | 20 46 | 0 48 | 1 25 | 16 6 | 21 42 | 21 30 | 25 8 | 14 53 | 7 19 |
| M17 | 18 57 | 23 18 | 4 7 | 23 50 | 1 50 | 26 27 | 3 41 | 22 57 | 1 34 | 10 24 | 1 4 | 14 17 | 0 38 | 7 23 | 0 39 | 20 46 | 0 48 | 1 25 | 16 6 | 21 44 | 21 30 | 25 7 | 14 53 | 7 20 |
| T 18 | 19 11 | 25 0 | 3 25 | 24 7 | 1 55 | 26 22 | 3 42 | 22 49 | 1 33 | 10 28 | 1 4 | 14 17 | 0 38 | 7 25 | 0 39 | 20 45 | 0 48 | 1 26 | 16 6 | 21 45 | 21 31 | 25 6 | 14 52 | 7 20 |
| W19 | 19 25 | 25 31 | 2 33 | 24 23 | 2 0 | 26 17 | 3 42 | 22 41 | 1 33 | 10 32 | 1 4 | 14 17 | 0 38 | 7 26 | 0 39 | 20 45 | 0 48 | 1 27 | 16 7 | 21 46 | 21 31 | 25 5 | 14 52 | 7 21 |
| T 20 | 19 38 | 24 52 | 1 35 | 24 37 | 2 5 | 26 11 | 3 42 | 22 33 | 1 33 | 10 36 | 1 5 | 14 16 | 0 38 | 7 27 | 0 39 | 20 45 | 0 48 | 1 27 | 16 7 | 21 47 | 21 32 | 25 4 | 14 52 | 7 21 |
| F 21 | 19 52 | 23 7 | 0 33 | 24 50 | 2 9 | 26 4 | 3 41 | 22 24 | 1 32 | 10 40 | 1 5 | 14 16 | 0 39 | 7 28 | 0 39 | 20 45 | 0 48 | 1 28 | 16 7 | 21 47 | 21 32 | 25 3 | 14 51 | 7 22 |
| S 22 | 20 4 | 20 21 | 0s31 | 25 2 | 2 14 | 25 57 | 3 41 | 22 15 | 1 32 | 10 44 | 1 5 | 14 16 | 0 39 | 7 29 | 0 39 | 20 45 | 0 48 | 1 28 | 16 7 | 21 47 | 21 33 | 25 2 | 14 51 | 7 22 |
| S 23 | 20 17 | 16 43 | 1 33 | 25 13 | 2 17 | 25 49 | 3 40 | 22 6 | 1 31 | 10 49 | 1 5 | 14 15 | 0 39 | 7 31 | 0 39 | 20 44 | 0 48 | 1 29 | 16 7 | 21 47 | 21 33 | 25 1 | 14 51 | 7 23 |
| M24 | 20 29 | 12 22 | 2 33 | 25 22 | 2 21 | 25 41 | 3 39 | 21 57 | 1 31 | 10 53 | 1 5 | 14 15 | 0 39 | 7 32 | 0 39 | 20 44 | 0 48 | 1 29 | 16 7 | 21 47 | 21 34 | 25 0 | 14 51 | 7 23 |
| T 25 | 20 41 | 7 27 | 3 27 | 25 31 | 2 24 | 25 32 | 3 38 | 21 47 | 1 31 | 10 57 | 1 5 | 14 15 | 0 39 | 7 33 | 0 39 | 20 44 | 0 48 | 1 30 | 16 7 | 21 47 | 21 34 | 24 59 | 14 50 | 7 24 |
| W26 | 20 52 | 2 7 | 4 12 | 25 38 | 2 27 | 25 23 | 3 37 | 21 37 | 1 30 | 11 1 | 1 5 | 14 15 | 0 39 | 7 34 | 0 39 | 20 44 | 0 48 | 1 30 | 16 7 | 21 47 | 21 35 | 24 58 | 14 50 | 7 24 |
| T 27 | 21 3 | 3s28 | 4 46 | 25 44 | 2 30 | 25 14 | 3 36 | 21 27 | 1 30 | 11 5 | 1 5 | 14 15 | 0 40 | 7 35 | 0 39 | 20 43 | 0 48 | 1 31 | 16 7 | 21 47 | 21 35 | 24 57 | 14 50 | 7 25 |
| F 28 | 21 13 | 9 5 | 5 6 | 25 48 | 2 32 | 25 4 | 3 34 | 21 17 | 1 29 | 11 9 | 1 5 | 14 14 | 0 40 | 7 36 | 0 39 | 20 43 | 0 48 | 1 31 | 16 8 | 21 48 | 21 36 | 24 56 | 14 50 | 7 25 |
| S 29 | 21 23 | 14 27 | 5 9 | 25 51 | 2 33 | 24 54 | 3 32 | 21 7 | 1 29 | 11 12 | 1 5 | 14 14 | 0 40 | 7 37 | 0 39 | 20 43 | 0 48 | 1 31 | 16 8 | 21 49 | 21 36 | 24 55 | 14 50 | 7 26 |
| S 30 | 21s33 | 19s12 | 4s52 | 25s53 | 2s35 | 24s43 | 3s30 | 20s56 | 1s28 | 11s16 | 1n 5 | 14n14 | 0n40 | 7s38 | 0n40 | 20s43 | 0n48 | 1s32 | 16n 8 | 21s50 | 21s37 | 24n54 | 14n50 | 7s26 |

Julian Day Number = 2808691.5, Delta T = 52m29s
Ecliptic obliquity = 23°18'49, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'42, Lahiri = 37°32'42


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# ASTRODIENST EPHEMERIS for the year 2977
# geocentric

## DECEMBER 2977 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 4 42 24 | 9♐10'28 | 24♏19 | 0♑31 | 24♑23 | 3♒15 | 2♏45 | 23♌32 | 21♎18 | 22♑12 | 17♏54 | 19°R55 | 21♑24 | 3♋ 9 | 17°R13 | M 1 |
| T 2 | 4 46 21 | 10°10'54 | 9♐22 | 1°45 | 25°12 | 4° 1 | 2°57 | 23°32 | 21°21 | 22°14 | 17°56 | 19♑49 | 21°21 | 3°16 | 17♋10 | T 2 |
| W 3 | 4 50 17 | 11°11'22 | 24°32 | 2°56 | 25°59 | 4°46 | 3° 8 | 23°32 | 21°24 | 22°16 | 17°58 | 19°45 | 21°18 | 3°22 | 17° 7 | W 3 |
| T 4 | 4 54 14 | 12°11'51 | 9♑38 | 4° 5 | 26°46 | 5°32 | 3°20 | 23°R32 | 21°27 | 22°18 | 18° 0 | 19°43 | 21°15 | 3°29 | 17° 5 | T 4 |
| F 5 | 4 58 11 | 13°12'21 | 24°32 | 5°11 | 27°32 | 6°18 | 3°31 | 23°32 | 21°29 | 22°20 | 18° 3 | 19°D43 | 21°12 | 3°36 | 17° 2 | F 5 |
| S 6 | 5 2 7 | 14°12'53 | 9♒ 8 | 6°14 | 28°17 | 7° 4 | 3°42 | 23°32 | 21°32 | 22°22 | 18° 5 | 19°44 | 21° 8 | 3°42 | 16°59 | S 6 |
| S 7 | 5 6 4 | 15°13'26 | 23°20 | 7°14 | 29° 1 | 7°49 | 3°53 | 23°32 | 21°35 | 22°23 | 18° 7 | 19°45 | 21° 5 | 3°49 | 16°56 | S 7 |
| M 8 | 5 10 0 | 16°13'59 | 7♓ 9 | 8°10 | 29°44 | 8°35 | 4° 5 | 23°32 | 21°37 | 22°25 | 18° 9 | 19°47 | 21° 2 | 3°56 | 16°53 | M 8 |
| T 9 | 5 13 57 | 17°14'34 | 20°36 | 9° 2 | 0♒26 | 9°21 | 4°16 | 23°31 | 21°40 | 22°27 | 18°11 | 19°R47 | 20°59 | 4° 2 | 16°50 | T 9 |
| W10 | 5 17 53 | 18°15'10 | 3♈41 | 9°49 | 1° 7 | 10° 7 | 4°27 | 23°30 | 21°42 | 22°29 | 18°14 | 19°46 | 20°56 | 4° 9 | 16°46 | W10 |
| T 11 | 5 21 50 | 19°15'47 | 16°28 | 10°30 | 1°46 | 10°53 | 4°38 | 23°30 | 21°45 | 22°31 | 18°16 | 19°43 | 20°53 | 4°16 | 16°43 | T 11 |
| F 12 | 5 25 46 | 20°16'26 | 29° 0 | 11° 4 | 2°25 | 11°39 | 4°48 | 23°29 | 21°47 | 22°33 | 18°18 | 19°39 | 20°49 | 4°22 | 16°40 | F 12 |
| S 13 | 5 29 43 | 21°17'05 | 11♉19 | 11°32 | 3° 2 | 12°25 | 4°59 | 23°28 | 21°50 | 22°35 | 18°20 | 19°34 | 20°46 | 4°29 | 16°37 | S 13 |
| S 14 | 5 33 40 | 22°17'45 | 23°29 | 11°52 | 3°38 | 13°11 | 5°10 | 23°27 | 21°52 | 22°37 | 18°22 | 19°29 | 20°43 | 4°36 | 16°33 | S 14 |
| M15 | 5 37 36 | 23°18'27 | 5♊30 | 12° 3 | 4°12 | 13°57 | 5°21 | 23°26 | 21°54 | 22°39 | 18°24 | 19°25 | 20°40 | 4°42 | 16°30 | M15 |
| T 16 | 5 41 33 | 24°19'10 | 17°24 | 12°R 5 | 4°45 | 14°44 | 5°31 | 23°25 | 21°56 | 22°41 | 18°26 | 19°21 | 20°37 | 4°49 | 16°26 | T 16 |
| W17 | 5 45 29 | 25°19'54 | 29°15 | 11°57 | 5°16 | 15°30 | 5°41 | 23°23 | 21°59 | 22°43 | 18°28 | 19°18 | 20°34 | 4°56 | 16°23 | W17 |
| T 18 | 5 49 26 | 26°20'39 | 11♋ 3 | 11°37 | 5°46 | 16°16 | 5°52 | 23°22 | 22° 1 | 22°45 | 18°30 | 19°16 | 20°30 | 5° 2 | 16°19 | T 18 |
| F 19 | 5 53 22 | 27°21'25 | 22°50 | 11° 7 | 6°14 | 17° 3 | 6° 2 | 23°20 | 22° 3 | 22°47 | 18°32 | 19°D16 | 20°27 | 5° 9 | 16°16 | F 19 |
| S 20 | 5 57 19 | 28°22'13 | 4♌40 | 10°25 | 6°41 | 17°49 | 6°12 | 23°18 | 22° 5 | 22°50 | 18°34 | 19°17 | 20°24 | 5°16 | 16°12 | S 20 |
| S 21 | 6 1 16 | 29°23'02 | 16°35 | 9°33 | 7° 6 | 18°35 | 6°22 | 23°17 | 22° 7 | 22°52 | 18°36 | 19°18 | 20°21 | 5°22 | 16° 9 | S 21 |
| M22 | 6 5 12 | 0♑23'51 | 28°39 | 8°30 | 7°29 | 19°22 | 6°32 | 23°15 | 22° 9 | 22°54 | 18°38 | 19°20 | 20°18 | 5°29 | 16° 5 | M22 |
| T 23 | 6 9 9 | 1°24'43 | 10♍56 | 7°19 | 7°50 | 20° 8 | 6°42 | 23°13 | 22°11 | 22°56 | 18°40 | 19°22 | 20°14 | 5°36 | 16° 1 | T 23 |
| W24 | 6 13 5 | 2°25'35 | 23°29 | 6° 2 | 8° 9 | 20°55 | 6°52 | 23°11 | 22°13 | 22°58 | 18°42 | 19°23 | 20°11 | 5°42 | 15°58 | W24 |
| T 25 | 6 17 2 | 3°26'28 | 6♎23 | 4°40 | 8°27 | 21°41 | 7° 2 | 23° 8 | 22°15 | 23° 0 | 18°44 | 19°R23 | 20° 8 | 5°49 | 15°54 | T 25 |
| F 26 | 6 20 58 | 4°27'23 | 19°42 | 3°17 | 8°42 | 22°28 | 7°11 | 23° 6 | 22°16 | 23° 2 | 18°46 | 19°22 | 20° 5 | 5°55 | 15°50 | F 26 |
| S 27 | 6 24 55 | 5°28'19 | 3♏28 | 1°55 | 8°55 | 23°14 | 7°21 | 23° 4 | 22°18 | 23° 5 | 18°48 | 19°21 | 20° 2 | 6° 2 | 15°46 | S 27 |
| S 28 | 6 28 51 | 6°29'17 | 17°41 | 0°38 | 9° 6 | 24° 1 | 7°30 | 23° 1 | 22°20 | 23° 7 | 18°50 | 19°19 | 19°59 | 6° 9 | 15°42 | S 28 |
| M29 | 6 32 48 | 7°30'15 | 2♐19 | 29♐27 | 9°15 | 24°47 | 7°39 | 22°59 | 22°21 | 23° 9 | 18°51 | 19°18 | 19°55 | 6°15 | 15°39 | M29 |
| T 30 | 6 36 45 | 8°31'14 | 17°18 | 28°24 | 9°21 | 25°34 | 7°48 | 22°56 | 22°23 | 23°11 | 18°53 | 19°16 | 19°52 | 6°22 | 15°35 | T 30 |
| W31 | 6 40 41 | 9♑32'15 | 2♑29 | 27♐31 | 9♒26 | 26♒21 | 7♏58 | 22♌53 | 22♎24 | 23♑13 | 18♏55 | 19♑16 | 19♑49 | 6♋29 | 15♋31 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21s43 | 22s53 | 4s16 | 25s54 | 2s35 | 24s32 | 3s28 | 20s45 | 1s28 | 11s20 | 1n 5 | 14n14 | 0n40 | 7s39 | 0n40 | 20s42 | 0n48 | 1s32 | 16n 8 | 21s51 | 21s37 | 24n53 | 14n49 | 7s27 |
| T 2 | 21 52 | 25 4 | 3 22 | 25 54 | 2 35 | 24 21 | 3 25 | 20 34 | 1 27 | 11 24 | 1 6 | 14 14 | 0 40 | 7 40 | 0 40 | 20 42 | 0 48 | 1 33 | 16 8 | 21 52 | 21 38 | 24 52 | 14 49 | 7 27 |
| W 3 | 22 0 | 25 25 | 2 13 | 25 52 | 2 35 | 24 9 | 3 22 | 20 23 | 1 27 | 11 28 | 1 6 | 14 15 | 0 41 | 7 41 | 0 40 | 20 42 | 0 48 | 1 33 | 16 8 | 21 52 | 21 38 | 24 51 | 14 49 | 7 28 |
| T 4 | 22 8 | 23 52 | 0 55 | 25 49 | 2 34 | 23 57 | 3 19 | 20 11 | 1 26 | 11 32 | 1 6 | 14 15 | 0 41 | 7 42 | 0 40 | 20 42 | 0 48 | 1 34 | 16 9 | 21 52 | 21 39 | 24 50 | 14 49 | 7 28 |
| F 5 | 22 16 | 20 40 | 0n26 | 25 45 | 2 32 | 23 45 | 3 16 | 19 59 | 1 26 | 11 35 | 1 6 | 14 15 | 0 41 | 7 43 | 0 40 | 20 41 | 0 48 | 1 34 | 16 9 | 21 52 | 21 39 | 24 49 | 14 49 | 7 28 |
| S 6 | 22 23 | 16 12 | 1 44 | 25 39 | 2 30 | 23 32 | 3 12 | 19 47 | 1 25 | 11 39 | 1 6 | 14 15 | 0 41 | 7 44 | 0 40 | 20 41 | 0 48 | 1 34 | 16 9 | 21 52 | 21 40 | 24 48 | 14 49 | 7 29 |
| S 7 | 22 30 | 10 56 | 2 53 | 25 33 | 2 26 | 23 19 | 3 8 | 19 35 | 1 25 | 11 43 | 1 6 | 14 15 | 0 41 | 7 45 | 0 40 | 20 41 | 0 48 | 1 35 | 16 9 | 21 52 | 21 40 | 24 47 | 14 49 | 7 29 |
| M 8 | 22 36 | 5 16 | 3 51 | 25 26 | 2 22 | 23 6 | 3 4 | 19 23 | 1 24 | 11 46 | 1 6 | 14 16 | 0 41 | 7 46 | 0 40 | 20 40 | 0 48 | 1 35 | 16 9 | 21 52 | 21 41 | 24 46 | 14 49 | 7 30 |
| T 9 | 22 42 | 0n29 | 4 34 | 25 17 | 2 17 | 22 53 | 3 0 | 19 10 | 1 24 | 11 50 | 1 6 | 14 16 | 0 42 | 7 47 | 0 40 | 20 40 | 0 48 | 1 35 | 16 10 | 21 52 | 21 41 | 24 45 | 14 49 | 7 30 |
| W10 | 22 48 | 6 4 | 5 1 | 25 8 | 2 11 | 22 39 | 2 55 | 18 57 | 1 23 | 11 54 | 1 6 | 14 16 | 0 42 | 7 48 | 0 40 | 20 40 | 0 48 | 1 36 | 16 10 | 21 52 | 21 42 | 24 44 | 14 49 | 7 30 |
| T 11 | 22 53 | 11 15 | 5 13 | 24 57 | 2 4 | 22 25 | 2 50 | 18 44 | 1 23 | 11 57 | 1 6 | 14 17 | 0 42 | 7 49 | 0 40 | 20 40 | 0 48 | 1 36 | 16 10 | 21 52 | 21 42 | 24 43 | 14 49 | 7 31 |
| F 12 | 22 58 | 15 52 | 5 9 | 24 46 | 1 55 | 22 11 | 2 44 | 18 31 | 1 22 | 12 1 | 1 7 | 14 17 | 0 42 | 7 50 | 0 40 | 20 39 | 0 48 | 1 36 | 16 10 | 21 53 | 21 43 | 24 42 | 14 49 | 7 31 |
| S 13 | 23 2 | 19 45 | 4 51 | 24 34 | 1 45 | 21 57 | 2 39 | 18 18 | 1 22 | 12 4 | 1 7 | 14 18 | 0 42 | 7 51 | 0 40 | 20 39 | 0 48 | 1 37 | 16 11 | 21 54 | 21 43 | 24 41 | 14 49 | 7 31 |
| S 14 | 23 5 | 22 44 | 4 20 | 24 21 | 1 34 | 21 43 | 2 33 | 18 4 | 1 21 | 12 7 | 1 7 | 14 18 | 0 42 | 7 52 | 0 40 | 20 39 | 0 48 | 1 37 | 16 11 | 21 54 | 21 44 | 24 40 | 14 49 | 7 32 |
| M15 | 23 9 | 24 41 | 3 38 | 24 8 | 1 22 | 21 28 | 2 26 | 17 50 | 1 21 | 12 11 | 1 7 | 14 19 | 0 43 | 7 52 | 0 40 | 20 38 | 0 48 | 1 37 | 16 11 | 21 55 | 21 44 | 24 39 | 14 49 | 7 32 |
| T 16 | 23 12 | 25 29 | 2 47 | 23 54 | 1 8 | 21 14 | 2 19 | 17 36 | 1 20 | 12 14 | 1 7 | 14 19 | 0 43 | 7 53 | 0 40 | 20 38 | 0 48 | 1 37 | 16 12 | 21 56 | 21 45 | 24 38 | 14 49 | 7 32 |
| W17 | 23 14 | 25 7 | 1 48 | 23 40 | 0 53 | 20 59 | 2 12 | 17 22 | 1 20 | 12 18 | 1 7 | 14 20 | 0 43 | 7 54 | 0 40 | 20 38 | 0 47 | 1 38 | 16 12 | 21 56 | 21 45 | 24 37 | 14 49 | 7 33 |
| T 18 | 23 16 | 23 36 | 0 45 | 23 25 | 0 37 | 20 45 | 2 5 | 17 8 | 1 19 | 12 21 | 1 7 | 14 20 | 0 43 | 7 55 | 0 40 | 20 37 | 0 47 | 1 38 | 16 12 | 21 56 | 21 45 | 24 36 | 14 49 | 7 33 |
| F 19 | 23 17 | 21 4 | 0s20 | 23 10 | 0 19 | 20 30 | 1 57 | 16 54 | 1 18 | 12 24 | 1 7 | 14 21 | 0 43 | 7 55 | 0 40 | 20 37 | 0 47 | 1 38 | 16 12 | 21 56 | 21 46 | 24 34 | 14 50 | 7 33 |
| S 20 | 23 18 | 17 38 | 1 24 | 22 55 | 0 1 | 20 16 | 1 49 | 16 39 | 1 18 | 12 27 | 1 8 | 14 22 | 0 44 | 7 56 | 0 40 | 20 37 | 0 47 | 1 38 | 16 13 | 21 56 | 21 46 | 24 33 | 14 50 | 7 34 |
| S 21 | 23 19 | 13 28 | 2 25 | 22 39 | 0n19 | 20 1 | 1 40 | 16 24 | 1 17 | 12 30 | 1 8 | 14 23 | 0 44 | 7 57 | 0 40 | 20 36 | 0 47 | 1 38 | 16 13 | 21 56 | 21 47 | 24 32 | 14 50 | 7 34 |
| M22 | 23 19 | 8 44 | 3 21 | 22 23 | 0 39 | 19 47 | 1 31 | 16 9 | 1 17 | 12 34 | 1 8 | 14 23 | 0 44 | 7 58 | 0 40 | 20 36 | 0 47 | 1 38 | 16 13 | 21 56 | 21 47 | 24 31 | 14 50 | 7 34 |
| T 23 | 23 18 | 3 35 | 4 9 | 22 8 | 0 59 | 19 32 | 1 22 | 15 54 | 1 16 | 12 37 | 1 8 | 14 24 | 0 44 | 7 58 | 0 40 | 20 36 | 0 47 | 1 39 | 16 14 | 21 55 | 21 48 | 24 30 | 14 50 | 7 34 |
| W24 | 23 17 | 1s48 | 4 45 | 21 52 | 1 19 | 19 18 | 1 12 | 15 39 | 1 15 | 12 40 | 1 8 | 14 25 | 0 44 | 7 59 | 0 40 | 20 35 | 0 47 | 1 39 | 16 14 | 21 55 | 21 48 | 24 29 | 14 50 | 7 35 |
| T 25 | 23 16 | 7 15 | 5 9 | 21 36 | 1 38 | 19 3 | 1 2 | 15 23 | 1 15 | 12 43 | 1 8 | 14 26 | 0 44 | 8 0 | 0 40 | 20 35 | 0 47 | 1 39 | 16 14 | 21 55 | 21 49 | 24 28 | 14 51 | 7 35 |
| F 26 | 23 14 | 12 33 | 5 17 | 21 21 | 1 55 | 18 49 | 0 51 | 15 7 | 1 14 | 12 46 | 1 8 | 14 27 | 0 44 | 8 0 | 0 40 | 20 35 | 0 47 | 1 39 | 16 15 | 21 55 | 21 49 | 24 27 | 14 51 | 7 35 |
| S 27 | 23 12 | 17 25 | 5 7 | 21 7 | 2 11 | 18 35 | 0 40 | 14 52 | 1 14 | 12 49 | 1 9 | 14 28 | 0 45 | 8 1 | 0 40 | 20 34 | 0 47 | 1 39 | 16 15 | 21 56 | 21 50 | 24 25 | 14 51 | 7 35 |
| S 28 | 23 9 | 21 29 | 4 39 | 20 54 | 2 25 | 18 21 | 0 29 | 14 36 | 1 13 | 12 51 | 1 9 | 14 29 | 0 45 | 8 1 | 0 40 | 20 34 | 0 47 | 1 39 | 16 16 | 21 56 | 21 50 | 24 24 | 14 51 | 7 35 |
| M29 | 23 6 | 24 19 | 3 52 | 20 43 | 2 36 | 18 7 | 0 17 | 14 20 | 1 12 | 12 54 | 1 9 | 14 30 | 0 45 | 8 2 | 0 40 | 20 34 | 0 47 | 1 39 | 16 16 | 21 56 | 21 51 | 24 23 | 14 52 | 7 35 |
| T 30 | 23 2 | 25 30 | 2 48 | 20 34 | 2 45 | 17 54 | 0 5 | 14 3 | 1 12 | 12 57 | 1 9 | 14 31 | 0 45 | 8 3 | 0 40 | 20 33 | 0 47 | 1 39 | 16 16 | 21 56 | 21 51 | 24 22 | 14 52 | 7 36 |
| W31 | 22s58 | 24s49 | 1s32 | 20s26 | 2n51 | 17s40 | 0n 8 | 13s47 | 1s11 | 13s 0 | 1n 9 | 14n32 | 0n45 | 8s 3 | 0n40 | 20s33 | 0n47 | 1s39 | 16n17 | 21s56 | 21s52 | 24n21 | 14n52 | 7s36 |

Julian Day Number = 2808721.5, Delta T = 52m30s
Ecliptic obliquity = 23°18'48, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'46, Lahiri = 37°32'46


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# ASTRODIENST EPHEMERIS for the year 2978
# geocentric

## JANUARY 2978 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 44 38 | 10♑33'16 | 17♑43 | 26°R49 | 9°R27 | 27♒ 7 | 8♏ 6 | 22°R50 | 22♎26 | 23♑16 | 18♏57 | 19°D15 | 19♑46 | 6♋35 | 15°R27 | T 1 |
| F 2 | 6 48 34 | 11°34'17 | 2♒51 | 26♐17 | 9♒27 | 27°54 | 8°15 | 22♌47 | 22°27 | 23°18 | 18°58 | 19♑16 | 19°43 | 6°42 | 15♋23 | F 2 |
| S 3 | 6 52 31 | 12°35'19 | 17°43 | 25°57 | 9°24 | 28°41 | 8°24 | 22°44 | 22°29 | 23°20 | 19° 0 | 19°16 | 19°40 | 6°49 | 15°19 | S 3 |
| S 4 | 6 56 27 | 13°36'22 | 2♓12 | 25°D48 | 9°18 | 29°28 | 8°33 | 22°41 | 22°30 | 23°22 | 19° 2 | 19°17 | 19°36 | 6°55 | 15°15 | S 4 |
| M 5 | 7 0 24 | 14°37'24 | 16°15 | 25°48 | 9°10 | 0♓14 | 8°41 | 22°38 | 22°31 | 23°25 | 19° 3 | 19°17 | 19°33 | 7° 2 | 15°11 | M 5 |
| T 6 | 7 4 20 | 15°38'27 | 29°51 | 25°58 | 8°59 | 1° 1 | 8°49 | 22°34 | 22°32 | 23°27 | 19° 5 | 19°17 | 19°30 | 7° 9 | 15° 8 | T 6 |
| W 7 | 7 8 17 | 16°39'30 | 13♈ 2 | 26°17 | 8°46 | 1°48 | 8°58 | 22°31 | 22°33 | 23°29 | 19° 6 | 19°R18 | 19°27 | 7°15 | 15° 4 | W 7 |
| T 8 | 7 12 14 | 17°40'34 | 25°49 | 26°43 | 8°31 | 2°35 | 9° 6 | 22°27 | 22°35 | 23°31 | 19° 8 | 19°18 | 19°24 | 7°22 | 15° 0 | T 8 |
| F 9 | 7 16 10 | 18°41'37 | 8♉17 | 27°16 | 8°13 | 3°22 | 9°14 | 22°24 | 22°36 | 23°34 | 19° 9 | 19°17 | 19°20 | 7°29 | 14°56 | F 9 |
| S 10 | 7 20 7 | 19°42'41 | 20°29 | 27°56 | 7°52 | 4° 9 | 9°21 | 22°20 | 22°37 | 23°36 | 19°11 | 19°D17 | 19°17 | 7°35 | 14°52 | S 10 |
| S 11 | 7 24 3 | 20°43'45 | 2♊30 | 28°41 | 7°29 | 4°55 | 9°29 | 22°16 | 22°37 | 23°38 | 19°12 | 19°18 | 19°14 | 7°42 | 14°48 | S 11 |
| M12 | 7 28 0 | 21°44'49 | 14°23 | 29°31 | 7° 5 | 5°42 | 9°37 | 22°12 | 22°38 | 23°40 | 19°14 | 19°18 | 19°11 | 7°48 | 14°44 | M12 |
| T 13 | 7 31 56 | 22°45'53 | 26°12 | 0♑26 | 6°38 | 6°29 | 9°44 | 22° 9 | 22°39 | 23°43 | 19°15 | 19°18 | 19° 8 | 7°55 | 14°40 | T 13 |
| W14 | 7 35 53 | 23°46'57 | 7♋59 | 1°25 | 6° 9 | 7°16 | 9°51 | 22° 5 | 22°40 | 23°45 | 19°16 | 19°18 | 19° 5 | 8° 2 | 14°36 | W14 |
| T 15 | 7 39 50 | 24°48'02 | 19°48 | 2°27 | 5°38 | 8° 3 | 9°59 | 22° 1 | 22°41 | 23°47 | 19°18 | 19°R19 | 19° 1 | 8° 8 | 14°33 | T 15 |
| F 16 | 7 43 46 | 25°49'06 | 1♌40 | 3°32 | 5° 6 | 8°50 | 10° 6 | 21°56 | 22°41 | 23°49 | 19°19 | 19°18 | 18°58 | 8°15 | 14°29 | F 16 |
| S 17 | 7 47 43 | 26°50'11 | 13°38 | 4°39 | 4°33 | 9°37 | 10°13 | 21°52 | 22°42 | 23°52 | 19°20 | 19°18 | 18°55 | 8°22 | 14°25 | S 17 |
| S 18 | 7 51 39 | 27°51'16 | 25°42 | 5°49 | 3°58 | 10°24 | 10°19 | 21°48 | 22°42 | 23°54 | 19°21 | 19°17 | 18°52 | 8°28 | 14°21 | S 18 |
| M19 | 7 55 36 | 28°52'21 | 7♍56 | 7° 2 | 3°22 | 11°11 | 10°26 | 21°44 | 22°43 | 23°56 | 19°22 | 19°16 | 18°49 | 8°35 | 14°18 | M19 |
| T 20 | 7 59 32 | 29°53'26 | 20°22 | 8°16 | 2°46 | 11°57 | 10°32 | 21°39 | 22°43 | 23°59 | 19°24 | 19°14 | 18°46 | 8°42 | 14°14 | T 20 |
| W21 | 8 3 29 | 0♒54'31 | 3♎ 1 | 9°32 | 2° 9 | 12°44 | 10°39 | 21°35 | 22°43 | 24° 1 | 19°25 | 19°13 | 18°42 | 8°48 | 14°10 | W21 |
| T 22 | 8 7 25 | 1°55'37 | 15°57 | 10°50 | 1°33 | 13°31 | 10°45 | 21°31 | 22°44 | 24° 3 | 19°26 | 19°11 | 18°39 | 8°55 | 14° 6 | T 22 |
| F 23 | 8 11 22 | 2°56'43 | 29°11 | 12° 8 | 0°56 | 14°18 | 10°51 | 21°26 | 22°44 | 24° 5 | 19°27 | 19°D11 | 18°36 | 9° 2 | 14° 3 | F 23 |
| S 24 | 8 15 18 | 3°57'49 | 12♏46 | 13°29 | 0°20 | 15° 5 | 10°57 | 21°22 | 22°44 | 24° 8 | 19°28 | 19°11 | 18°33 | 9° 8 | 13°59 | S 24 |
| S 25 | 8 19 15 | 4°58'55 | 26°44 | 14°50 | 29♑44 | 15°52 | 11° 2 | 21°17 | 22°44 | 24°10 | 19°29 | 19°12 | 18°30 | 9°15 | 13°56 | S 25 |
| M26 | 8 23 12 | 6° 0'02 | 11♐ 3 | 16°12 | 29° 9 | 16°39 | 11° 8 | 21°12 | 22°44 | 24°12 | 19°30 | 19°13 | 18°26 | 9°22 | 13°52 | M26 |
| T 27 | 8 27 8 | 7° 1'08 | 25°42 | 17°36 | 28°35 | 17°26 | 11°13 | 21° 8 | 22°R44 | 24°14 | 19°31 | 19°14 | 18°23 | 9°28 | 13°49 | T 27 |
| W28 | 8 31 5 | 8° 2'15 | 10♑36 | 19° 0 | 28° 3 | 18°13 | 11°18 | 21° 3 | 22°44 | 24°16 | 19°31 | 19°15 | 18°20 | 9°35 | 13°45 | W28 |
| T 29 | 8 35 1 | 9° 3'21 | 25°39 | 20°25 | 27°32 | 19° 0 | 11°23 | 20°58 | 22°44 | 24°19 | 19°32 | 19°R15 | 18°17 | 9°41 | 13°42 | T 29 |
| F 30 | 8 38 58 | 10° 4'27 | 10♒41 | 21°51 | 27° 3 | 19°46 | 11°28 | 20°53 | 22°44 | 24°21 | 19°33 | 19°14 | 18°14 | 9°48 | 13°38 | F 30 |
| S 31 | 8 42 54 | 11♒ 5'32 | 25♒35 | 23♑18 | 26♑35 | 20♓33 | 11♏33 | 20♌49 | 22♎44 | 24♑23 | 19♏34 | 19♑12 | 18♑11 | 9♋55 | 13♋35 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s54 | 22s17 | 0s 9 | 20s21 | 2n55 | 17s27 | 0n21 | 13s30 | 1s10 | 13s 3 | 1n 9 | 14n33 | 0n45 | 8s 4 | 0n40 | 20s33 | 0n47 | 1s39 | 16n17 | 21s56 | 21s52 | 24n19 | 14n52 | 7s36 |
| F 2 | 22 49 | 18 12 | 1n15 | 20 18 | 2 57 | 17 15 | 0 34 | 13 14 | 1 10 | 13 5 | 1 9 | 14 34 | 0 46 | 8 4 | 0 40 | 20 32 | 0 47 | 1 39 | 16 18 | 21 56 | 21 52 | 24 18 | 14 53 | 7 36 |
| S 3 | 22 43 | 13 2 | 2 32 | 20 18 | 2 58 | 17 2 | 0 48 | 12 57 | 1 9 | 13 8 | 1 10 | 14 35 | 0 46 | 8 5 | 0 40 | 20 32 | 0 47 | 1 40 | 16 18 | 21 56 | 21 53 | 24 17 | 14 53 | 7 36 |
| S 4 | 22 37 | 7 15 | 3 37 | 20 19 | 2 56 | 16 50 | 1 2 | 12 40 | 1 8 | 13 10 | 1 10 | 14 36 | 0 46 | 8 5 | 0 40 | 20 32 | 0 47 | 1 40 | 16 18 | 21 56 | 21 53 | 24 16 | 14 53 | 7 36 |
| M 5 | 22 31 | 1 17 | 4 27 | 20 22 | 2 53 | 16 38 | 1 17 | 12 23 | 1 8 | 13 13 | 1 10 | 14 38 | 0 46 | 8 5 | 0 41 | 20 31 | 0 47 | 1 39 | 16 19 | 21 56 | 21 54 | 24 15 | 14 54 | 7 36 |
| T 6 | 22 24 | 4n32 | 5 0 | 20 26 | 2 49 | 16 27 | 1 32 | 12 6 | 1 7 | 13 15 | 1 10 | 14 39 | 0 46 | 8 6 | 0 41 | 20 31 | 0 47 | 1 39 | 16 19 | 21 56 | 21 54 | 24 13 | 14 54 | 7 36 |
| W 7 | 22 17 | 9 58 | 5 16 | 20 32 | 2 44 | 16 15 | 1 47 | 11 49 | 1 6 | 13 18 | 1 10 | 14 40 | 0 46 | 8 6 | 0 41 | 20 31 | 0 47 | 1 39 | 16 20 | 21 56 | 21 55 | 24 12 | 14 54 | 7 36 |
| T 8 | 22 9 | 14 50 | 5 16 | 20 39 | 2 37 | 16 5 | 2 2 | 11 31 | 1 6 | 13 20 | 1 10 | 14 41 | 0 47 | 8 7 | 0 41 | 20 30 | 0 47 | 1 39 | 16 20 | 21 56 | 21 55 | 24 11 | 14 55 | 7 36 |
| F 9 | 22 1 | 18 56 | 5 1 | 20 46 | 2 31 | 15 54 | 2 17 | 11 14 | 1 5 | 13 23 | 1 11 | 14 43 | 0 47 | 8 7 | 0 41 | 20 30 | 0 47 | 1 39 | 16 21 | 21 56 | 21 56 | 24 10 | 14 55 | 7 36 |
| S 10 | 21 52 | 22 9 | 4 32 | 20 55 | 2 23 | 15 45 | 2 33 | 10 56 | 1 4 | 13 25 | 1 11 | 14 44 | 0 47 | 8 7 | 0 41 | 20 29 | 0 47 | 1 39 | 16 21 | 21 56 | 21 56 | 24 9 | 14 56 | 7 36 |
| S 11 | 21 43 | 24 21 | 3 52 | 21 3 | 2 15 | 15 35 | 2 48 | 10 39 | 1 4 | 13 27 | 1 11 | 14 45 | 0 47 | 8 8 | 0 41 | 20 29 | 0 47 | 1 39 | 16 21 | 21 56 | 21 57 | 24 7 | 14 56 | 7 36 |
| M12 | 21 34 | 25 25 | 3 2 | 21 12 | 2 7 | 15 26 | 3 4 | 10 21 | 1 3 | 13 29 | 1 11 | 14 47 | 0 47 | 8 8 | 0 41 | 20 29 | 0 47 | 1 39 | 16 22 | 21 56 | 21 57 | 24 6 | 14 56 | 7 36 |
| T 13 | 21 24 | 25 21 | 2 5 | 21 20 | 1 59 | 15 18 | 3 20 | 10 3 | 1 2 | 13 32 | 1 11 | 14 48 | 0 47 | 8 8 | 0 41 | 20 28 | 0 47 | 1 39 | 16 22 | 21 56 | 21 57 | 24 5 | 14 57 | 7 36 |
| W14 | 21 14 | 24 7 | 1 3 | 21 28 | 1 50 | 15 9 | 3 35 | 9 45 | 1 2 | 13 34 | 1 12 | 14 50 | 0 47 | 8 8 | 0 41 | 20 28 | 0 47 | 1 39 | 16 23 | 21 56 | 21 58 | 24 3 | 14 57 | 7 36 |
| T 15 | 21 3 | 21 49 | 0s 3 | 21 36 | 1 41 | 15 2 | 3 51 | 9 27 | 1 1 | 13 36 | 1 12 | 14 51 | 0 48 | 8 9 | 0 41 | 20 28 | 0 47 | 1 39 | 16 23 | 21 56 | 21 58 | 24 2 | 14 58 | 7 36 |
| F 16 | 20 52 | 18 35 | 1 8 | 21 44 | 1 32 | 14 55 | 4 6 | 9 9 | 1 0 | 13 38 | 1 12 | 14 52 | 0 48 | 8 9 | 0 41 | 20 27 | 0 47 | 1 39 | 16 24 | 21 56 | 21 59 | 24 1 | 14 58 | 7 36 |
| S 17 | 20 41 | 14 33 | 2 11 | 21 51 | 1 23 | 14 48 | 4 21 | 8 51 | 0 59 | 13 40 | 1 12 | 14 54 | 0 48 | 8 9 | 0 41 | 20 27 | 0 47 | 1 38 | 16 24 | 21 56 | 21 59 | 24 0 | 14 59 | 7 36 |
| S 18 | 20 29 | 9 55 | 3 9 | 21 57 | 1 14 | 14 42 | 4 36 | 8 32 | 0 59 | 13 42 | 1 12 | 14 55 | 0 48 | 8 9 | 0 41 | 20 26 | 0 47 | 1 38 | 16 25 | 21 56 | 22 0 | 23 58 | 14 59 | 7 36 |
| M19 | 20 17 | 4 51 | 3 59 | 22 2 | 1 6 | 14 36 | 4 50 | 8 14 | 0 58 | 13 43 | 1 12 | 14 57 | 0 48 | 8 9 | 0 41 | 20 26 | 0 47 | 1 38 | 16 25 | 21 56 | 22 0 | 23 57 | 15 0 | 7 36 |
| T 20 | 20 4 | 0s28 | 4 38 | 22 7 | 0 57 | 14 31 | 5 3 | 7 55 | 0 57 | 13 45 | 1 13 | 14 58 | 0 48 | 8 9 | 0 41 | 20 26 | 0 47 | 1 38 | 16 26 | 21 57 | 22 0 | 23 56 | 15 0 | 7 36 |
| W21 | 19 51 | 5 51 | 5 5 | 22 11 | 0 48 | 14 26 | 5 17 | 7 37 | 0 57 | 13 47 | 1 13 | 15 0 | 0 48 | 8 9 | 0 41 | 20 25 | 0 47 | 1 38 | 16 26 | 21 57 | 22 1 | 23 54 | 15 1 | 7 36 |
| T 22 | 19 38 | 11 7 | 5 17 | 22 13 | 0 39 | 14 21 | 5 29 | 7 18 | 0 56 | 13 49 | 1 13 | 15 2 | 0 49 | 8 10 | 0 41 | 20 25 | 0 47 | 1 37 | 16 27 | 21 57 | 22 1 | 23 53 | 15 1 | 7 35 |
| F 23 | 19 24 | 15 59 | 5 12 | 22 15 | 0 31 | 14 18 | 5 41 | 7 0 | 0 55 | 13 50 | 1 13 | 15 3 | 0 49 | 8 10 | 0 41 | 20 24 | 0 47 | 1 37 | 16 27 | 21 57 | 22 2 | 23 52 | 15 2 | 7 35 |
| S 24 | 19 10 | 20 12 | 4 51 | 22 16 | 0 22 | 14 14 | 5 52 | 6 41 | 0 54 | 13 52 | 1 13 | 15 5 | 0 49 | 8 10 | 0 41 | 20 24 | 0 47 | 1 37 | 16 28 | 21 57 | 22 2 | 23 51 | 15 2 | 7 35 |
| S 25 | 18 55 | 23 24 | 4 12 | 22 16 | 0 14 | 14 11 | 6 3 | 6 22 | 0 54 | 13 54 | 1 14 | 15 6 | 0 49 | 8 10 | 0 41 | 20 24 | 0 47 | 1 37 | 16 28 | 21 57 | 22 3 | 23 49 | 15 3 | 7 35 |
| M26 | 18 40 | 25 13 | 3 16 | 22 15 | 0 6 | 14 9 | 6 12 | 6 3 | 0 53 | 13 55 | 1 14 | 15 8 | 0 49 | 8 10 | 0 41 | 20 23 | 0 47 | 1 36 | 16 29 | 21 57 | 22 3 | 23 48 | 15 3 | 7 35 |
| T 27 | 18 25 | 25 21 | 2 7 | 22 12 | 0s 2 | 14 6 | 6 21 | 5 45 | 0 52 | 13 57 | 1 14 | 15 10 | 0 49 | 8 10 | 0 41 | 20 23 | 0 47 | 1 36 | 16 29 | 21 56 | 22 4 | 23 46 | 15 4 | 7 34 |
| W28 | 18 10 | 23 41 | 0 48 | 22 9 | 0 10 | 14 5 | 6 29 | 5 26 | 0 51 | 13 58 | 1 14 | 15 11 | 0 49 | 8 10 | 0 41 | 20 23 | 0 47 | 1 36 | 16 30 | 21 56 | 22 4 | 23 45 | 15 4 | 7 34 |
| T 29 | 17 54 | 20 19 | 0n35 | 22 4 | 0 18 | 14 3 | 6 37 | 5 7 | 0 51 | 13 59 | 1 14 | 15 13 | 0 49 | 8 10 | 0 41 | 20 22 | 0 47 | 1 35 | 16 30 | 21 56 | 22 4 | 23 44 | 15 5 | 7 34 |
| F 30 | 17 38 | 15 36 | 1 56 | 21 58 | 0 25 | 14 2 | 6 43 | 4 48 | 0 50 | 14 1 | 1 15 | 15 14 | 0 50 | 8 9 | 0 41 | 20 22 | 0 47 | 1 35 | 16 31 | 21 56 | 22 5 | 23 42 | 15 6 | 7 34 |
| S 31 | 17s21 | 9s59 | 3n 7 | 21s51 | 0s33 | 14s 2 | 6n49 | 4s29 | 0s49 | 14s 2 | 1n15 | 15n16 | 0n50 | 8s 9 | 0n41 | 20s21 | 0n47 | 1s35 | 16n31 | 21s57 | 22s 5 | 23n41 | 15n 6 | 7s34 |

Julian Day Number = 2808752.5, Delta T = 52m30s
Ecliptic obliquity = 23°18'48, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'50, Lahiri = 37°32'51


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# ASTRODIENST EPHEMERIS for the year 2978
# geocentric

## FEBRUARY 2978 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 46 51 | 12♒ 6'37 | 10♓12 | 24♑45 | 26°R10 | 21♓20 | 11♏38 | 20°R44 | 22°R44 | 24♑25 | 19♏35 | 19°R 9 | 18♑ 7 | 10♋ 1 | 13°R32 | S 1 |
| M 2 | 8 50 48 | 13° 7'42 | 24°25 | 26°13 | 25♑46 | 22° 7 | 11°42 | 20♌39 | 22♎43 | 24°27 | 19°35 | 19♑ 5 | 18° 4 | 10° 8 | 13♋28 | M 2 |
| T 3 | 8 54 44 | 14° 8'45 | 8♈12 | 27°42 | 25°25 | 22°54 | 11°46 | 20°34 | 22°43 | 24°30 | 19°36 | 19° 2 | 18° 1 | 10°15 | 13°25 | T 3 |
| W 4 | 8 58 41 | 15° 9'48 | 21°31 | 29°11 | 25° 6 | 23°41 | 11°50 | 20°29 | 22°42 | 24°32 | 19°37 | 18°59 | 17°58 | 10°21 | 13°22 | W 4 |
| T 5 | 9 2 37 | 16°10'50 | 4♉24 | 0♒41 | 24°50 | 24°28 | 11°54 | 20°24 | 22°42 | 24°34 | 19°37 | 18°57 | 17°55 | 10°28 | 13°19 | T 5 |
| F 6 | 9 6 34 | 17°11'52 | 16°55 | 2°12 | 24°36 | 25°15 | 11°58 | 20°19 | 22°41 | 24°36 | 19°38 | 18°D56 | 17°52 | 10°35 | 13°16 | F 6 |
| S 7 | 9 10 30 | 18°12'52 | 29° 7 | 3°43 | 24°24 | 26° 1 | 12° 1 | 20°15 | 22°41 | 24°38 | 19°38 | 18°57 | 17°48 | 10°41 | 13°13 | S 7 |
| S 8 | 9 14 27 | 19°13'52 | 11♊ 6 | 5°15 | 24°15 | 26°48 | 12° 5 | 20°10 | 22°40 | 24°40 | 19°39 | 18°58 | 17°45 | 10°48 | 13°10 | S 8 |
| M 9 | 9 18 23 | 20°14'50 | 22°56 | 6°47 | 24° 9 | 27°35 | 12° 8 | 20° 5 | 22°39 | 24°42 | 19°39 | 19° 0 | 17°42 | 10°55 | 13° 7 | M 9 |
| T 10 | 9 22 20 | 21°15'48 | 4♋43 | 8°20 | 24° 4 | 28°22 | 12°11 | 20° 0 | 22°39 | 24°45 | 19°40 | 19° 2 | 17°39 | 11° 1 | 13° 5 | T 10 |
| W11 | 9 26 17 | 22°16'44 | 16°31 | 9°54 | 24°D 3 | 29° 8 | 12°14 | 19°55 | 22°38 | 24°47 | 19°40 | 19°R 3 | 17°36 | 11° 8 | 13° 2 | W11 |
| T 12 | 9 30 13 | 23°17'40 | 28°22 | 11°28 | 24° 3 | 29°55 | 12°16 | 19°50 | 22°37 | 24°49 | 19°40 | 19° 2 | 17°32 | 11°15 | 12°59 | T 12 |
| F 13 | 9 34 10 | 24°18'35 | 10♌21 | 13° 3 | 24° 7 | 0♈42 | 12°19 | 19°45 | 22°36 | 24°51 | 19°41 | 19° 0 | 17°29 | 11°21 | 12°57 | F 13 |
| S 14 | 9 38 6 | 25°19'29 | 22°29 | 14°39 | 24°12 | 1°29 | 12°21 | 19°40 | 22°35 | 24°53 | 19°41 | 18°56 | 17°26 | 11°28 | 12°54 | S 14 |
| S 15 | 9 42 3 | 26°20'22 | 4♍48 | 16°16 | 24°20 | 2°15 | 12°23 | 19°35 | 22°34 | 24°55 | 19°41 | 18°51 | 17°23 | 11°34 | 12°52 | S 15 |
| M16 | 9 45 59 | 27°21'13 | 17°19 | 17°53 | 24°30 | 3° 2 | 12°25 | 19°30 | 22°33 | 24°57 | 19°41 | 18°44 | 17°20 | 11°41 | 12°49 | M16 |
| T 17 | 9 49 56 | 28°22'04 | 0♎ 2 | 19°30 | 24°42 | 3°48 | 12°27 | 19°26 | 22°32 | 24°59 | 19°41 | 18°37 | 17°17 | 11°48 | 12°47 | T 17 |
| W18 | 9 53 52 | 29°22'55 | 12°57 | 21° 9 | 24°57 | 4°35 | 12°28 | 19°21 | 22°31 | 25° 1 | 19°41 | 18°30 | 17°13 | 11°54 | 12°45 | W18 |
| T 19 | 9 57 49 | 0♓23'44 | 26° 6 | 22°48 | 25°13 | 5°22 | 12°30 | 19°16 | 22°29 | 25° 3 | 19°42 | 18°24 | 17°10 | 12° 1 | 12°42 | T 19 |
| F 20 | 10 1 45 | 1°24'33 | 9♏27 | 24°28 | 25°32 | 6° 8 | 12°31 | 19°11 | 22°28 | 25° 5 | 19°42 | 18°19 | 17° 7 | 12° 8 | 12°40 | F 20 |
| S 21 | 10 5 42 | 2°25'21 | 23° 3 | 26° 8 | 25°52 | 6°55 | 12°32 | 19° 6 | 22°27 | 25° 6 | 19°R42 | 18°17 | 17° 4 | 12°14 | 12°38 | S 21 |
| S 22 | 10 9 39 | 3°26'08 | 6♐52 | 27°50 | 26°15 | 7°41 | 12°33 | 19° 2 | 22°25 | 25° 8 | 19°42 | 18°D17 | 17° 1 | 12°21 | 12°36 | S 22 |
| M23 | 10 13 35 | 4°26'54 | 20°56 | 29°32 | 26°39 | 8°28 | 12°33 | 18°57 | 22°24 | 25°10 | 19°41 | 18°18 | 16°58 | 12°28 | 12°34 | M23 |
| T 24 | 10 17 32 | 5°27'39 | 5♑13 | 1♓15 | 27° 5 | 9°14 | 12°34 | 18°53 | 22°22 | 25°12 | 19°41 | 18°19 | 16°54 | 12°34 | 12°32 | T 24 |
| W25 | 10 21 28 | 6°28'24 | 19°43 | 2°59 | 27°32 | 10° 0 | 12°34 | 18°48 | 22°21 | 25°14 | 19°41 | 18°R19 | 16°51 | 12°41 | 12°31 | W25 |
| T 26 | 10 25 25 | 7°29'08 | 4♒21 | 4°43 | 28° 2 | 10°47 | 12°R34 | 18°43 | 22°19 | 25°16 | 19°41 | 18°18 | 16°48 | 12°48 | 12°29 | T 26 |
| F 27 | 10 29 21 | 8°29'50 | 19° 2 | 6°29 | 28°32 | 11°33 | 12°34 | 18°39 | 22°18 | 25°18 | 19°41 | 18°15 | 16°45 | 12°54 | 12°27 | F 27 |
| S 28 | 10 33 18 | 9♓30'31 | 3♓39 | 8♓15 | 29♑ 5 | 12♈20 | 12♏33 | 18♌34 | 22♎16 | 25♑19 | 19♏41 | 18♑ 9 | 16♑42 | 13♋ 1 | 12♋26 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17s 4 | 3s55 | 4n 5 | 21s43 | 0s40 | 14s 2 | 6n54 | 4s10 | 0s48 | 14s 3 | 1n15 | 15n18 | 0n50 | 8s 9 | 0n41 | 20s21 | 0n47 | 1s35 | 16n32 | 21s57 | 22s 6 | 23n40 | 15n 7 | 7s33 |
| M 2 | 16 47 | 2n11 | 4 46 | 21 33 | 0 46 | 14 2 | 6 58 | 3 51 | 0 48 | 14 4 | 1 15 | 15 19 | 0 50 | 8 9 | 0 41 | 20 21 | 0 47 | 1 34 | 16 33 | 21 58 | 22 6 | 23 38 | 15 7 | 7 33 |
| T 3 | 16 30 | 7 58 | 5 9 | 21 23 | 0 53 | 14 2 | 7 1 | 3 31 | 0 47 | 14 5 | 1 15 | 15 21 | 0 50 | 8 9 | 0 41 | 20 20 | 0 47 | 1 34 | 16 33 | 21 58 | 22 6 | 23 37 | 15 8 | 7 33 |
| W 4 | 16 12 | 13 12 | 5 14 | 21 11 | 0 59 | 14 3 | 7 4 | 3 12 | 0 46 | 14 6 | 1 16 | 15 23 | 0 50 | 8 9 | 0 41 | 20 20 | 0 47 | 1 33 | 16 34 | 21 59 | 22 7 | 23 36 | 15 8 | 7 32 |
| T 5 | 15 54 | 17 41 | 5 3 | 20 58 | 1 6 | 14 4 | 7 6 | 2 53 | 0 45 | 14 7 | 1 16 | 15 24 | 0 50 | 8 8 | 0 42 | 20 20 | 0 47 | 1 33 | 16 34 | 21 59 | 22 7 | 23 34 | 15 9 | 7 32 |
| F 6 | 15 36 | 21 15 | 4 38 | 20 44 | 1 11 | 14 5 | 7 7 | 2 34 | 0 45 | 14 8 | 1 16 | 15 26 | 0 50 | 8 8 | 0 42 | 20 19 | 0 47 | 1 33 | 16 35 | 21 59 | 22 8 | 23 33 | 15 10 | 7 32 |
| S 7 | 15 17 | 23 46 | 4 1 | 20 28 | 1 17 | 14 6 | 7 7 | 2 15 | 0 44 | 14 9 | 1 16 | 15 28 | 0 50 | 8 8 | 0 42 | 20 19 | 0 47 | 1 32 | 16 35 | 21 59 | 22 8 | 23 31 | 15 10 | 7 31 |
| S 8 | 14 59 | 25 11 | 3 13 | 20 11 | 1 22 | 14 8 | 7 7 | 1 56 | 0 43 | 14 10 | 1 17 | 15 29 | 0 51 | 8 8 | 0 42 | 20 18 | 0 47 | 1 32 | 16 36 | 21 59 | 22 9 | 23 30 | 15 11 | 7 31 |
| M 9 | 14 40 | 25 26 | 2 18 | 19 53 | 1 28 | 14 10 | 7 7 | 1 36 | 0 42 | 14 11 | 1 17 | 15 31 | 0 51 | 8 7 | 0 42 | 20 18 | 0 47 | 1 31 | 16 36 | 21 58 | 22 9 | 23 29 | 15 12 | 7 31 |
| T 10 | 14 20 | 24 32 | 1 18 | 19 34 | 1 32 | 14 12 | 7 5 | 1 17 | 0 42 | 14 11 | 1 17 | 15 33 | 0 51 | 8 7 | 0 42 | 20 18 | 0 47 | 1 31 | 16 37 | 21 58 | 22 9 | 23 27 | 15 12 | 7 30 |
| W11 | 14 1 | 22 32 | 0 14 | 19 14 | 1 37 | 14 14 | 7 4 | 0 58 | 0 41 | 14 12 | 1 17 | 15 34 | 0 51 | 8 7 | 0 42 | 20 17 | 0 47 | 1 31 | 16 37 | 21 58 | 22 10 | 23 26 | 15 13 | 7 30 |
| T 12 | 13 41 | 19 33 | 0s51 | 18 52 | 1 41 | 14 16 | 7 1 | 0 39 | 0 40 | 14 13 | 1 17 | 15 36 | 0 51 | 8 6 | 0 42 | 20 17 | 0 47 | 1 30 | 16 38 | 21 58 | 22 10 | 23 24 | 15 13 | 7 30 |
| F 13 | 13 21 | 15 44 | 1 54 | 18 29 | 1 45 | 14 18 | 6 59 | 0 20 | 0 39 | 14 13 | 1 18 | 15 37 | 0 51 | 8 6 | 0 42 | 20 17 | 0 47 | 1 30 | 16 38 | 21 58 | 22 11 | 23 23 | 15 14 | 7 29 |
| S 14 | 13 1 | 11 14 | 2 52 | 18 5 | 1 49 | 14 20 | 6 56 | 0 0 | 0 39 | 14 14 | 1 18 | 15 39 | 0 51 | 8 6 | 0 42 | 20 16 | 0 47 | 1 29 | 16 39 | 21 59 | 22 11 | 23 21 | 15 15 | 7 29 |
| S 15 | 12 40 | 6 14 | 3 44 | 17 40 | 1 52 | 14 22 | 6 52 | 0n19 | 0 38 | 14 14 | 1 18 | 15 41 | 0 51 | 8 5 | 0 42 | 20 16 | 0 47 | 1 29 | 16 40 | 22 0 | 22 11 | 23 20 | 15 15 | 7 28 |
| M16 | 12 20 | 0 55 | 4 25 | 17 13 | 1 55 | 14 25 | 6 48 | 0 38 | 0 37 | 14 14 | 1 18 | 15 42 | 0 51 | 8 5 | 0 42 | 20 15 | 0 47 | 1 28 | 16 40 | 22 1 | 22 12 | 23 18 | 15 16 | 7 28 |
| T 17 | 11 59 | 4s30 | 4 54 | 16 46 | 1 58 | 14 27 | 6 44 | 0 57 | 0 36 | 14 15 | 1 18 | 15 44 | 0 51 | 8 4 | 0 42 | 20 15 | 0 47 | 1 28 | 16 41 | 22 2 | 22 12 | 23 17 | 15 16 | 7 28 |
| W18 | 11 38 | 9 49 | 5 8 | 16 17 | 2 0 | 14 29 | 6 39 | 1 16 | 0 36 | 14 15 | 1 19 | 15 45 | 0 52 | 8 4 | 0 42 | 20 15 | 0 47 | 1 27 | 16 41 | 22 3 | 22 13 | 23 16 | 15 17 | 7 27 |
| T 19 | 11 16 | 14 47 | 5 7 | 15 46 | 2 2 | 14 31 | 6 34 | 1 35 | 0 35 | 14 15 | 1 19 | 15 47 | 0 52 | 8 3 | 0 42 | 20 14 | 0 47 | 1 27 | 16 42 | 22 3 | 22 13 | 23 14 | 15 18 | 7 27 |
| F 20 | 10 55 | 19 8 | 4 49 | 15 15 | 2 4 | 14 32 | 6 29 | 1 54 | 0 34 | 14 15 | 1 19 | 15 49 | 0 52 | 8 3 | 0 42 | 20 14 | 0 47 | 1 26 | 16 42 | 22 4 | 22 13 | 23 13 | 15 18 | 7 26 |
| S 21 | 10 33 | 22 33 | 4 15 | 14 42 | 2 5 | 14 34 | 6 24 | 2 13 | 0 33 | 14 15 | 1 19 | 15 50 | 0 52 | 8 2 | 0 42 | 20 14 | 0 47 | 1 26 | 16 43 | 22 4 | 22 14 | 23 11 | 15 19 | 7 26 |
| S 22 | 10 12 | 24 43 | 3 25 | 14 8 | 2 6 | 14 35 | 6 18 | 2 32 | 0 33 | 14 15 | 1 20 | 15 52 | 0 52 | 8 2 | 0 42 | 20 13 | 0 47 | 1 25 | 16 43 | 22 4 | 22 14 | 23 10 | 15 20 | 7 25 |
| M23 | 9 50 | 25 23 | 2 23 | 13 33 | 2 7 | 14 37 | 6 13 | 2 51 | 0 32 | 14 15 | 1 20 | 15 53 | 0 52 | 8 1 | 0 42 | 20 13 | 0 47 | 1 25 | 16 44 | 22 4 | 22 15 | 23 8 | 15 20 | 7 25 |
| T 24 | 9 28 | 24 23 | 1 10 | 12 57 | 2 7 | 14 38 | 6 7 | 3 10 | 0 31 | 14 15 | 1 20 | 15 55 | 0 52 | 8 1 | 0 42 | 20 13 | 0 47 | 1 24 | 16 44 | 22 4 | 22 15 | 23 7 | 15 21 | 7 25 |
| W25 | 9 5 | 21 45 | 0n 8 | 12 20 | 2 7 | 14 39 | 6 1 | 3 29 | 0 30 | 14 15 | 1 20 | 15 56 | 0 52 | 8 0 | 0 42 | 20 12 | 0 47 | 1 24 | 16 45 | 22 4 | 22 15 | 23 5 | 15 21 | 7 24 |
| T 26 | 8 43 | 17 41 | 1 25 | 11 41 | 2 6 | 14 39 | 5 54 | 3 48 | 0 29 | 14 15 | 1 20 | 15 58 | 0 52 | 8 0 | 0 42 | 20 12 | 0 47 | 1 23 | 16 45 | 22 4 | 22 16 | 23 4 | 15 22 | 7 24 |
| F 27 | 8 20 | 12 32 | 2 38 | 11 1 | 2 5 | 14 40 | 5 48 | 4 6 | 0 29 | 14 15 | 1 21 | 15 59 | 0 52 | 7 59 | 0 42 | 20 12 | 0 47 | 1 23 | 16 46 | 22 5 | 22 16 | 23 2 | 15 23 | 7 23 |
| S 28 | 7s58 | 6s42 | 3n39 | 10s20 | 2s 3 | 14s40 | 5n42 | 4n25 | 0s28 | 14s14 | 1n21 | 16n 1 | 0n52 | 7s58 | 0n42 | 20s11 | 0n47 | 1s22 | 16n47 | 22s 5 | 22s17 | 23n 1 | 15n23 | 7s23 |

Julian Day Number = 2808783.5, Delta T = 52m31s
Ecliptic obliquity = 23°18'48, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'55, Lahiri = 37°32'55


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# ASTRODIENST EPHEMERIS for the year 2978
# geocentric

## MARCH 2978 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 37 15 | 10♓31'11 | 18♓ 6 | 10♓ 2 | 29♉38 | 13♈ 6 | 12°R33 | 18°R30 | 22°R14 | 25♉21 | 19°R40 | 18°R 1 | 16♉38 | 13♋ 7 | 12°R24 | S 1 |
| M 2 | 10 41 11 | 11°31'49 | 2♈15 | 11°50 | 0♒14 | 13°52 | 12♏32 | 18♌26 | 22♎13 | 25°23 | 19♏40 | 17♉52 | 16°35 | 13°14 | 12♋23 | M 2 |
| T 3 | 10 45 8 | 12°32'26 | 16° 3 | 13°39 | 0°50 | 14°38 | 12°31 | 18°21 | 22°11 | 25°24 | 19°40 | 17°43 | 16°32 | 13°21 | 12°22 | T 3 |
| W 4 | 10 49 4 | 13°33'02 | 29°25 | 15°28 | 1°28 | 15°25 | 12°30 | 18°17 | 22° 9 | 25°26 | 19°39 | 17°34 | 16°29 | 13°27 | 12°21 | W 4 |
| T 5 | 10 53 1 | 14°33'35 | 12♉23 | 17°18 | 2° 7 | 16°11 | 12°29 | 18°13 | 22° 7 | 25°28 | 19°39 | 17°27 | 16°26 | 13°34 | 12°20 | T 5 |
| F 6 | 10 56 57 | 15°34'08 | 24°57 | 19° 9 | 2°47 | 16°57 | 12°27 | 18° 9 | 22° 5 | 25°29 | 19°38 | 17°23 | 16°23 | 13°41 | 12°18 | F 6 |
| S 7 | 11 0 54 | 16°34'38 | 7♊12 | 21° 0 | 3°28 | 17°43 | 12°26 | 18° 5 | 22° 3 | 25°31 | 19°38 | 17°20 | 16°19 | 13°47 | 12°18 | S 7 |
| S 8 | 11 4 50 | 17°35'07 | 19°12 | 22°52 | 4°10 | 18°29 | 12°24 | 18° 1 | 22° 1 | 25°33 | 19°37 | 17°D20 | 16°16 | 13°54 | 12°17 | S 8 |
| M 9 | 11 8 47 | 18°35'34 | 1♋ 3 | 24°45 | 4°54 | 19°15 | 12°22 | 17°57 | 21°59 | 25°34 | 19°37 | 17°20 | 16°13 | 14° 1 | 12°16 | M 9 |
| T 10 | 11 12 43 | 19°35'59 | 12°50 | 26°38 | 5°38 | 20° 1 | 12°19 | 17°53 | 21°57 | 25°36 | 19°36 | 17°R21 | 16°10 | 14° 7 | 12°15 | T 10 |
| W11 | 11 16 40 | 20°36'22 | 24°39 | 28°31 | 6°23 | 20°47 | 12°17 | 17°50 | 21°55 | 25°37 | 19°36 | 17°21 | 16° 7 | 14°14 | 12°15 | W11 |
| T 12 | 11 20 37 | 21°36'43 | 6♌34 | 0♈24 | 7° 9 | 21°33 | 12°14 | 17°46 | 21°53 | 25°39 | 19°35 | 17°19 | 16° 3 | 14°21 | 12°14 | T 12 |
| F 13 | 11 24 33 | 22°37'03 | 18°39 | 2°16 | 7°56 | 22°19 | 12°12 | 17°42 | 21°51 | 25°40 | 19°34 | 17°14 | 16° 0 | 14°27 | 12°14 | F 13 |
| S 14 | 11 28 30 | 23°37'21 | 0♍57 | 4° 9 | 8°44 | 23° 5 | 12° 9 | 17°39 | 21°49 | 25°41 | 19°34 | 17° 7 | 15°57 | 14°34 | 12°13 | S 14 |
| S 15 | 11 32 26 | 24°37'37 | 13°31 | 6° 0 | 9°33 | 23°51 | 12° 6 | 17°35 | 21°47 | 25°43 | 19°33 | 16°58 | 15°54 | 14°40 | 12°13 | S 15 |
| M16 | 11 36 23 | 25°37'51 | 26°21 | 7°51 | 10°23 | 24°37 | 12° 2 | 17°32 | 21°45 | 25°44 | 19°32 | 16°46 | 15°51 | 14°47 | 12°13 | M16 |
| T 17 | 11 40 19 | 26°38'04 | 9♎26 | 9°40 | 11°13 | 25°22 | 11°59 | 17°29 | 21°42 | 25°46 | 19°31 | 16°34 | 15°48 | 14°54 | 12°13 | T 17 |
| W18 | 11 44 16 | 27°38'15 | 22°45 | 11°27 | 12° 4 | 26° 8 | 11°55 | 17°26 | 21°40 | 25°47 | 19°30 | 16°22 | 15°44 | 15° 0 | 12°D13 | W18 |
| T 19 | 11 48 12 | 28°38'24 | 6♏16 | 13°12 | 12°56 | 26°54 | 11°51 | 17°23 | 21°38 | 25°48 | 19°30 | 16°12 | 15°41 | 15° 7 | 12°13 | T 19 |
| F 20 | 11 52 9 | 29°38'32 | 19°57 | 14°55 | 13°49 | 27°39 | 11°47 | 17°20 | 21°35 | 25°49 | 19°29 | 16° 4 | 15°38 | 15°14 | 12°13 | F 20 |
| S 21 | 11 56 6 | 0♈38'38 | 3♐45 | 16°34 | 14°42 | 28°25 | 11°43 | 17°17 | 21°33 | 25°51 | 19°28 | 15°58 | 15°35 | 15°20 | 12°13 | S 21 |
| S 22 | 12 0 2 | 1°38'43 | 17°41 | 18° 9 | 15°35 | 29°10 | 11°39 | 17°14 | 21°31 | 25°52 | 19°27 | 15°56 | 15°32 | 15°27 | 12°13 | S 22 |
| M23 | 12 3 59 | 2°38'47 | 1♑41 | 19°40 | 16°30 | 29°56 | 11°34 | 17°11 | 21°28 | 25°53 | 19°26 | 15°D55 | 15°29 | 15°34 | 12°14 | M23 |
| T 24 | 12 7 55 | 3°38'49 | 15°47 | 21° 6 | 17°25 | 0♉41 | 11°30 | 17° 8 | 21°26 | 25°54 | 19°25 | 15°R55 | 15°25 | 15°40 | 12°14 | T 24 |
| W25 | 12 11 52 | 4°38'49 | 29°58 | 22°27 | 18°20 | 1°27 | 11°25 | 17° 6 | 21°23 | 25°55 | 19°24 | 15°55 | 15°22 | 15°47 | 12°15 | W25 |
| T 26 | 12 15 48 | 5°38'48 | 14♒11 | 23°42 | 19°16 | 2°12 | 11°20 | 17° 4 | 21°21 | 25°56 | 19°23 | 15°52 | 15°19 | 15°54 | 12°16 | T 26 |
| F 27 | 12 19 45 | 6°38'45 | 28°25 | 24°50 | 20°13 | 2°58 | 11°15 | 17° 1 | 21°18 | 25°57 | 19°22 | 15°47 | 15°16 | 16° 0 | 12°16 | F 27 |
| S 28 | 12 23 41 | 7°38'41 | 12♓36 | 25°52 | 21°10 | 3°43 | 11°10 | 16°59 | 21°16 | 25°58 | 19°20 | 15°39 | 15°13 | 16° 7 | 12°17 | S 28 |
| S 29 | 12 27 38 | 8°38'35 | 26°39 | 26°46 | 22° 7 | 4°28 | 11° 4 | 16°57 | 21°13 | 25°59 | 19°19 | 15°28 | 15° 9 | 16°14 | 12°18 | S 29 |
| M30 | 12 31 35 | 9°38'26 | 10♈30 | 27°33 | 23° 5 | 5°13 | 10°59 | 16°55 | 21°11 | 26° 0 | 19°18 | 15°16 | 15° 6 | 16°20 | 12°19 | M30 |
| T 31 | 12 35 31 | 10♈38'16 | 24♈ 4 | 28♈11 | 24♒ 4 | 5♉58 | 10♏53 | 16♌53 | 21♎ 8 | 26♉ 1 | 19♏17 | 15♉ 3 | 15♉ 3 | 16♋27 | 12♋20 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7s35 | 0s36 | 4n26 | 9s38 | 2s 1 | 14s39 | 5n35 | 4n44 | 0s27 | 14s14 | 1n21 | 16n 2 | 0n52 | 7s58 | 0n42 | 20s11 | 0n47 | 1s21 | 16n47 | 22s 6 | 22s17 | 22n59 | 15n24 | 7s22 |
| M 2 | 7 12 | 5n24 | 4 55 | 8 55 | 1 58 | 14 39 | 5 28 | 5 2 | 0 26 | 14 14 | 1 21 | 16 3 | 0 52 | 7 57 | 0 42 | 20 11 | 0 47 | 1 21 | 16 48 | 22 8 | 22 17 | 22 58 | 15 25 | 7 22 |
| T 3 | 6 49 | 10 59 | 5 6 | 8 10 | 1 55 | 14 38 | 5 21 | 5 21 | 0 26 | 14 13 | 1 21 | 16 5 | 0 52 | 7 56 | 0 42 | 20 10 | 0 47 | 1 20 | 16 48 | 22 9 | 22 18 | 22 56 | 15 25 | 7 21 |
| W 4 | 6 26 | 15 53 | 5 0 | 7 25 | 1 51 | 14 37 | 5 14 | 5 39 | 0 25 | 14 13 | 1 22 | 16 6 | 0 52 | 7 56 | 0 42 | 20 10 | 0 47 | 1 20 | 16 49 | 22 10 | 22 18 | 22 54 | 15 26 | 7 21 |
| T 5 | 6 3 | 19 53 | 4 38 | 6 38 | 1 47 | 14 35 | 5 7 | 5 58 | 0 24 | 14 12 | 1 22 | 16 7 | 0 53 | 7 55 | 0 42 | 20 10 | 0 47 | 1 19 | 16 49 | 22 11 | 22 19 | 22 53 | 15 26 | 7 20 |
| F 6 | 5 40 | 22 50 | 4 3 | 5 51 | 1 42 | 14 33 | 5 0 | 6 16 | 0 23 | 14 11 | 1 22 | 16 9 | 0 53 | 7 54 | 0 42 | 20 9 | 0 47 | 1 18 | 16 50 | 22 11 | 22 19 | 22 51 | 15 27 | 7 20 |
| S 7 | 5 16 | 24 39 | 3 18 | 5 2 | 1 37 | 14 31 | 4 53 | 6 34 | 0 23 | 14 11 | 1 22 | 16 10 | 0 53 | 7 54 | 0 42 | 20 9 | 0 47 | 1 18 | 16 50 | 22 12 | 22 19 | 22 50 | 15 28 | 7 19 |
| S 8 | 4 53 | 25 17 | 2 25 | 4 13 | 1 31 | 14 28 | 4 46 | 6 52 | 0 22 | 14 10 | 1 22 | 16 11 | 0 53 | 7 53 | 0 42 | 20 9 | 0 47 | 1 17 | 16 51 | 22 12 | 22 20 | 22 48 | 15 28 | 7 19 |
| M 9 | 4 29 | 24 45 | 1 26 | 3 23 | 1 25 | 14 25 | 4 39 | 7 10 | 0 21 | 14 9 | 1 23 | 16 12 | 0 53 | 7 52 | 0 42 | 20 9 | 0 47 | 1 17 | 16 51 | 22 12 | 22 20 | 22 47 | 15 29 | 7 18 |
| T 10 | 4 6 | 23 6 | 0 24 | 2 31 | 1 18 | 14 22 | 4 32 | 7 28 | 0 20 | 14 8 | 1 23 | 16 14 | 0 53 | 7 51 | 0 42 | 20 8 | 0 47 | 1 16 | 16 52 | 22 12 | 22 20 | 22 45 | 15 29 | 7 17 |
| W11 | 3 42 | 20 27 | 0s39 | 1 40 | 1 10 | 14 18 | 4 25 | 7 46 | 0 20 | 14 7 | 1 23 | 16 15 | 0 53 | 7 50 | 0 42 | 20 8 | 0 47 | 1 15 | 16 52 | 22 12 | 22 21 | 22 44 | 15 30 | 7 17 |
| T 12 | 3 19 | 16 54 | 1 41 | 0 47 | 1 2 | 14 14 | 4 17 | 8 4 | 0 19 | 14 6 | 1 23 | 16 16 | 0 53 | 7 50 | 0 42 | 20 8 | 0 47 | 1 15 | 16 53 | 22 12 | 22 21 | 22 42 | 15 31 | 7 16 |
| F 13 | 2 55 | 12 38 | 2 39 | 0n 5 | 0 53 | 14 9 | 4 10 | 8 22 | 0 18 | 14 5 | 1 23 | 16 17 | 0 53 | 7 49 | 0 42 | 20 7 | 0 47 | 1 14 | 16 53 | 22 13 | 22 22 | 22 40 | 15 31 | 7 16 |
| S 14 | 2 31 | 7 48 | 3 30 | 0 58 | 0 43 | 14 4 | 4 3 | 8 39 | 0 17 | 14 4 | 1 24 | 16 18 | 0 53 | 7 48 | 0 42 | 20 7 | 0 47 | 1 14 | 16 53 | 22 13 | 22 22 | 22 39 | 15 32 | 7 15 |
| S 15 | 2 7 | 2 33 | 4 13 | 1 52 | 0 33 | 13 58 | 3 56 | 8 57 | 0 17 | 14 3 | 1 24 | 16 19 | 0 53 | 7 47 | 0 42 | 20 7 | 0 47 | 1 13 | 16 54 | 22 15 | 22 22 | 22 37 | 15 32 | 7 15 |
| M16 | 1 44 | 2s53 | 4 43 | 2 45 | 0 23 | 13 52 | 3 49 | 9 14 | 0 16 | 14 2 | 1 24 | 16 20 | 0 53 | 7 46 | 0 42 | 20 7 | 0 47 | 1 12 | 16 54 | 22 16 | 22 23 | 22 36 | 15 33 | 7 14 |
| T 17 | 1 20 | 8 19 | 5 0 | 3 38 | 0 12 | 13 46 | 3 41 | 9 32 | 0 15 | 14 1 | 1 24 | 16 21 | 0 53 | 7 46 | 0 42 | 20 6 | 0 47 | 1 12 | 16 55 | 22 18 | 22 23 | 22 34 | 15 33 | 7 14 |
| W18 | 0 56 | 13 27 | 5 0 | 4 30 | 0n 0 | 13 39 | 3 34 | 9 49 | 0 14 | 13 59 | 1 24 | 16 22 | 0 53 | 7 45 | 0 42 | 20 6 | 0 47 | 1 11 | 16 55 | 22 19 | 22 23 | 22 32 | 15 34 | 7 13 |
| T 19 | 0 32 | 18 0 | 4 44 | 5 22 | 0 12 | 13 32 | 3 27 | 10 6 | 0 14 | 13 58 | 1 25 | 16 23 | 0 53 | 7 44 | 0 42 | 20 6 | 0 47 | 1 10 | 16 56 | 22 20 | 22 24 | 22 31 | 15 35 | 7 13 |
| F 20 | 0 9 | 21 40 | 4 11 | 6 13 | 0 25 | 13 24 | 3 20 | 10 23 | 0 13 | 13 57 | 1 25 | 16 24 | 0 53 | 7 43 | 0 42 | 20 6 | 0 47 | 1 10 | 16 56 | 22 21 | 22 24 | 22 29 | 15 35 | 7 12 |
| S 21 | 0n15 | 24 8 | 3 24 | 7 3 | 0 37 | 13 16 | 3 13 | 10 40 | 0 12 | 13 55 | 1 25 | 16 25 | 0 53 | 7 42 | 0 43 | 20 5 | 0 47 | 1 9 | 16 57 | 22 22 | 22 25 | 22 27 | 15 36 | 7 11 |
| S 22 | 0 39 | 25 8 | 2 24 | 7 52 | 0 51 | 13 7 | 3 6 | 10 57 | 0 11 | 13 54 | 1 25 | 16 26 | 0 53 | 7 41 | 0 43 | 20 5 | 0 47 | 1 8 | 16 57 | 22 22 | 22 25 | 22 26 | 15 36 | 7 11 |
| M23 | 1 3 | 24 33 | 1 15 | 8 38 | 1 4 | 12 58 | 2 58 | 11 13 | 0 11 | 13 52 | 1 25 | 16 27 | 0 53 | 7 40 | 0 43 | 20 5 | 0 47 | 1 8 | 16 57 | 22 22 | 22 25 | 22 24 | 15 37 | 7 10 |
| T 24 | 1 27 | 22 24 | 0 1 | 9 23 | 1 17 | 12 49 | 2 51 | 11 30 | 0 10 | 13 51 | 1 25 | 16 28 | 0 53 | 7 39 | 0 43 | 20 5 | 0 47 | 1 7 | 16 58 | 22 22 | 22 26 | 22 23 | 15 37 | 7 10 |
| W25 | 1 50 | 18 51 | 1n14 | 10 6 | 1 30 | 12 39 | 2 44 | 11 46 | 0 9 | 13 49 | 1 26 | 16 28 | 0 53 | 7 38 | 0 43 | 20 4 | 0 47 | 1 6 | 16 58 | 22 22 | 22 26 | 22 21 | 15 38 | 7 9 |
| T 26 | 2 14 | 14 11 | 2 24 | 10 45 | 1 43 | 12 28 | 2 37 | 12 3 | 0 8 | 13 48 | 1 26 | 16 29 | 0 53 | 7 38 | 0 43 | 20 4 | 0 47 | 1 6 | 16 59 | 22 23 | 22 26 | 22 19 | 15 38 | 7 9 |
| F 27 | 2 38 | 8 45 | 3 25 | 11 23 | 1 56 | 12 17 | 2 31 | 12 19 | 0 8 | 13 46 | 1 26 | 16 30 | 0 53 | 7 37 | 0 43 | 20 4 | 0 47 | 1 5 | 16 59 | 22 23 | 22 27 | 22 18 | 15 39 | 7 8 |
| S 28 | 3 1 | 2 54 | 4 13 | 11 57 | 2 9 | 12 6 | 2 24 | 12 35 | 0 7 | 13 44 | 1 26 | 16 31 | 0 53 | 7 36 | 0 43 | 20 4 | 0 47 | 1 5 | 16 59 | 22 24 | 22 27 | 22 16 | 15 39 | 7 8 |
| S 29 | 3 25 | 3n 2 | 4 45 | 12 27 | 2 21 | 11 54 | 2 17 | 12 51 | 0 6 | 13 42 | 1 26 | 16 31 | 0 53 | 7 35 | 0 43 | 20 4 | 0 47 | 1 4 | 17 0 | 22 25 | 22 27 | 22 14 | 15 40 | 7 7 |
| M30 | 3 48 | 8 44 | 4 59 | 12 55 | 2 32 | 11 42 | 2 10 | 13 6 | 0 6 | 13 40 | 1 26 | 16 32 | 0 53 | 7 34 | 0 43 | 20 3 | 0 47 | 1 3 | 17 0 | 22 27 | 22 28 | 22 13 | 15 40 | 7 6 |
| T 31 | 4n11 | 13n53 | 4n57 | 13n18 | 2n42 | 11s29 | 2n 3 | 13n22 | 0s 5 | 13s39 | 1n26 | 16n33 | 0n53 | 7s33 | 0n43 | 20s 3 | 0n48 | 1s 3 | 17n 0 | 22s28 | 22s28 | 22n11 | 15n41 | 7s 6 |

Julian Day Number = 2808811.5, Delta T = 52m31s
Ecliptic obliquity = 23°18'48, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°25'58, Lahiri = 37°32'59


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# ASTRODIENST EPHEMERIS for the year 2978
# geocentric

## APRIL 2978 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 39 28 | 11♈38'05 | 7♉18 | 28♈42 | 25♒ 3 | 6♉44 | 10°R47 | 16°R51 | 21°R 6 | 26♑ 2 | 19°R16 | 14°R51 | 15♑ 0 | 16♋33 | 12♋21 | W 1 |
| T 2 | 12 43 24 | 12°37'51 | 20°12 | 29° 4 | 26° 2 | 7°29 | 10♏41 | 16♌49 | 21♎ 3 | 26° 3 | 19♏14 | 14♑41 | 14°57 | 16°40 | 12°23 | T 2 |
| F 3 | 12 47 21 | 13°37'35 | 2♊45 | 29°18 | 27° 1 | 8°14 | 10°35 | 16°48 | 21° 1 | 26° 4 | 19°13 | 14°33 | 14°54 | 16°47 | 12°24 | F 3 |
| S 4 | 12 51 17 | 14°37'17 | 15° 0 | 29°R24 | 28° 1 | 8°59 | 10°29 | 16°46 | 20°58 | 26° 5 | 19°12 | 14°28 | 14°50 | 16°53 | 12°25 | S 4 |
| S 5 | 12 55 14 | 15°36'56 | 27° 1 | 29°21 | 29° 2 | 9°44 | 10°23 | 16°45 | 20°55 | 26° 5 | 19°11 | 14°26 | 14°47 | 17° 0 | 12°27 | S 5 |
| M 6 | 12 59 10 | 16°36'34 | 8♋53 | 29°11 | 0♓ 3 | 10°29 | 10°16 | 16°44 | 20°53 | 26° 6 | 19° 9 | 14°25 | 14°44 | 17° 7 | 12°28 | M 6 |
| T 7 | 13 3 7 | 17°36'09 | 20°41 | 28°53 | 1° 4 | 11°13 | 10°10 | 16°42 | 20°50 | 26° 7 | 19° 8 | 14°25 | 14°41 | 17°13 | 12°30 | T 7 |
| W 8 | 13 7 4 | 18°35'42 | 2♌30 | 28°28 | 2° 5 | 11°58 | 10° 3 | 16°41 | 20°48 | 26° 7 | 19° 6 | 14°24 | 14°38 | 17°20 | 12°32 | W 8 |
| T 9 | 13 11 0 | 19°35'13 | 14°27 | 27°57 | 3° 7 | 12°43 | 9°56 | 16°40 | 20°45 | 26° 8 | 19° 5 | 14°22 | 14°35 | 17°27 | 12°34 | T 9 |
| F 10 | 13 14 57 | 20°34'42 | 26°35 | 27°20 | 4° 9 | 13°28 | 9°49 | 16°39 | 20°42 | 26° 9 | 19° 4 | 14°18 | 14°31 | 17°33 | 12°36 | F 10 |
| S 11 | 13 18 53 | 21°34'08 | 9♍ 0 | 26°39 | 5°11 | 14°12 | 9°42 | 16°39 | 20°40 | 26° 9 | 19° 2 | 14°11 | 14°28 | 17°40 | 12°38 | S 11 |
| S 12 | 13 22 50 | 22°33'32 | 21°44 | 25°53 | 6°14 | 14°57 | 9°35 | 16°38 | 20°37 | 26°10 | 19° 1 | 14° 1 | 14°25 | 17°47 | 12°40 | S 12 |
| M13 | 13 26 46 | 23°32'54 | 4♎49 | 25° 5 | 7°16 | 15°42 | 9°28 | 16°37 | 20°35 | 26°10 | 18°59 | 13°50 | 14°22 | 17°53 | 12°42 | M13 |
| T 14 | 13 30 43 | 24°32'14 | 18°14 | 24°15 | 8°20 | 16°26 | 9°21 | 16°37 | 20°32 | 26°11 | 18°58 | 13°37 | 14°19 | 18° 0 | 12°44 | T 14 |
| W15 | 13 34 39 | 25°31'32 | 1♏56 | 23°24 | 9°23 | 17°10 | 9°14 | 16°37 | 20°29 | 26°11 | 18°56 | 13°25 | 14°15 | 18° 6 | 12°46 | W15 |
| T 16 | 13 38 36 | 26°30'48 | 15°54 | 22°34 | 10°27 | 17°55 | 9° 7 | 16°37 | 20°27 | 26°12 | 18°55 | 13°15 | 14°12 | 18°13 | 12°49 | T 16 |
| F 17 | 13 42 32 | 27°30'02 | 0♐ 0 | 21°45 | 11°31 | 18°39 | 8°59 | 16°D36 | 20°24 | 26°12 | 18°53 | 13° 6 | 14° 9 | 18°20 | 12°51 | F 17 |
| S 18 | 13 46 29 | 28°29'15 | 14°13 | 20°58 | 12°35 | 19°24 | 8°52 | 16°36 | 20°22 | 26°12 | 18°52 | 13° 1 | 14° 6 | 18°26 | 12°54 | S 18 |
| S 19 | 13 50 26 | 29°28'25 | 28°26 | 20°14 | 13°39 | 20° 8 | 8°44 | 16°37 | 20°19 | 26°13 | 18°50 | 12°58 | 14° 3 | 18°33 | 12°56 | S 19 |
| M20 | 13 54 22 | 0♑27'34 | 12♑38 | 19°33 | 14°44 | 20°52 | 8°37 | 16°37 | 20°17 | 26°13 | 18°49 | 12°D58 | 14° 0 | 18°40 | 12°59 | M20 |
| T 21 | 13 58 19 | 1°26'42 | 26°47 | 18°57 | 15°49 | 21°36 | 8°29 | 16°37 | 20°14 | 26°13 | 18°47 | 12°R58 | 13°56 | 18°46 | 13° 2 | T 21 |
| W22 | 14 2 15 | 2°25'47 | 10♒52 | 18°25 | 16°54 | 22°20 | 8°22 | 16°38 | 20°11 | 26°13 | 18°45 | 12°58 | 13°53 | 18°53 | 13° 4 | W22 |
| T 23 | 14 6 12 | 3°24'51 | 24°51 | 17°59 | 17°59 | 23° 4 | 8°14 | 16°38 | 20° 9 | 26°13 | 18°44 | 12°56 | 13°50 | 19° 0 | 13° 7 | T 23 |
| F 24 | 14 10 8 | 4°23'53 | 8♓44 | 17°37 | 19° 4 | 23°49 | 8° 6 | 16°39 | 20° 6 | 26°14 | 18°42 | 12°52 | 13°47 | 19° 6 | 13°10 | F 24 |
| S 25 | 14 14 5 | 5°22'53 | 22°30 | 17°21 | 20°10 | 24°33 | 7°59 | 16°40 | 20° 4 | 26°14 | 18°40 | 12°45 | 13°44 | 19°13 | 13°13 | S 25 |
| S 26 | 14 18 1 | 6°21'52 | 6♈ 6 | 17°11 | 21°16 | 25°16 | 7°51 | 16°41 | 20° 1 | 26°14 | 18°39 | 12°36 | 13°40 | 19°20 | 13°16 | S 26 |
| M27 | 14 21 58 | 7°20'49 | 19°32 | 17°D 6 | 22°22 | 26° 0 | 7°43 | 16°42 | 19°59 | 26°R14 | 18°37 | 12°25 | 13°37 | 19°26 | 13°20 | M27 |
| T 28 | 14 25 55 | 8°19'44 | 2♉43 | 17° 6 | 23°28 | 26°44 | 7°36 | 16°43 | 19°57 | 26°14 | 18°36 | 12°14 | 13°34 | 19°33 | 13°23 | T 28 |
| W29 | 14 29 51 | 9°18'37 | 15°40 | 17°11 | 24°34 | 27°28 | 7°28 | 16°44 | 19°54 | 26°14 | 18°34 | 12° 3 | 13°31 | 19°39 | 13°26 | W29 |
| T 30 | 14 33 48 | 10♉17'28 | 28♉20 | 17♈21 | 25♓41 | 28♉12 | 7♏20 | 16♌45 | 19♎52 | 26♑14 | 18♏32 | 11♑54 | 13♑28 | 19♋46 | 13♋29 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4n35 | 18n15 | 4n38 | 13n38 | 2n52 | 11s16 | 1n57 | 13n37 | 0s 4 | 13s37 | 1n26 | 16n33 | 0n53 | 7s32 | 0n43 | 20s 3 | 0n48 | 1s 2 | 17n 1 | 22s29 | 22s28 | 22n 9 | 15n41 | 7s 5 |
| T 2 | 4 58 | 21 38 | 4 5 | 13 54 | 3 0 | 11 3 | 1 50 | 13 53 | 0 3 | 13 35 | 1 27 | 16 34 | 0 53 | 7 31 | 0 43 | 20 3 | 0 48 | 1 1 | 17 1 | 22 31 | 22 29 | 22 8 | 15 41 | 7 5 |
| F 3 | 5 21 | 23 53 | 3 21 | 14 6 | 3 8 | 10 49 | 1 44 | 14 8 | 0 3 | 13 33 | 1 27 | 16 34 | 0 53 | 7 30 | 0 43 | 20 3 | 0 48 | 1 1 | 17 1 | 22 31 | 22 29 | 22 6 | 15 42 | 7 4 |
| S 4 | 5 44 | 24 57 | 2 29 | 14 13 | 3 14 | 10 34 | 1 37 | 14 23 | 0 2 | 13 31 | 1 27 | 16 35 | 0 53 | 7 29 | 0 43 | 20 3 | 0 48 | 1 0 | 17 2 | 22 32 | 22 30 | 22 4 | 15 42 | 7 4 |
| S 5 | 6 7 | 24 48 | 1 31 | 14 17 | 3 18 | 10 20 | 1 31 | 14 38 | 0 1 | 13 29 | 1 27 | 16 35 | 0 53 | 7 28 | 0 43 | 20 2 | 0 48 | 0 59 | 17 2 | 22 32 | 22 30 | 22 2 | 15 43 | 7 3 |
| M 6 | 6 30 | 23 30 | 0 29 | 14 16 | 3 21 | 10 5 | 1 25 | 14 53 | 0 1 | 13 27 | 1 27 | 16 35 | 0 53 | 7 27 | 0 43 | 20 2 | 0 48 | 0 59 | 17 2 | 22 32 | 22 30 | 22 1 | 15 43 | 7 3 |
| T 7 | 6 52 | 21 11 | 0s33 | 14 10 | 3 22 | 9 49 | 1 18 | 15 7 | 0n 0 | 13 24 | 1 27 | 16 36 | 0 53 | 7 26 | 0 43 | 20 2 | 0 48 | 0 58 | 17 3 | 22 32 | 22 31 | 21 59 | 15 43 | 7 2 |
| W 8 | 7 15 | 17 58 | 1 34 | 14 1 | 3 22 | 9 33 | 1 12 | 15 22 | 0 1 | 13 22 | 1 27 | 16 36 | 0 53 | 7 25 | 0 43 | 20 2 | 0 48 | 0 58 | 17 3 | 22 32 | 22 31 | 21 57 | 15 44 | 7 1 |
| T 9 | 7 37 | 13 59 | 2 32 | 13 48 | 3 20 | 9 17 | 1 6 | 15 36 | 0 2 | 13 20 | 1 27 | 16 36 | 0 53 | 7 24 | 0 43 | 20 2 | 0 48 | 0 57 | 17 3 | 22 33 | 22 31 | 21 56 | 15 44 | 7 1 |
| F 10 | 8 0 | 9 24 | 3 24 | 13 31 | 3 16 | 9 0 | 1 0 | 15 50 | 0 2 | 13 18 | 1 27 | 16 37 | 0 53 | 7 23 | 0 43 | 20 2 | 0 48 | 0 56 | 17 4 | 22 33 | 22 32 | 21 54 | 15 45 | 7 0 |
| S 11 | 8 22 | 4 20 | 4 7 | 13 11 | 3 10 | 8 43 | 0 54 | 16 4 | 0 3 | 13 16 | 1 27 | 16 37 | 0 53 | 7 22 | 0 43 | 20 2 | 0 48 | 0 56 | 17 4 | 22 34 | 22 32 | 21 52 | 15 45 | 7 0 |
| S 12 | 8 44 | 1s 1 | 4 39 | 12 47 | 3 3 | 8 26 | 0 48 | 16 18 | 0 4 | 13 13 | 1 28 | 16 37 | 0 53 | 7 21 | 0 43 | 20 1 | 0 48 | 0 55 | 17 4 | 22 35 | 22 32 | 21 50 | 15 45 | 6 59 |
| M13 | 9 6 | 6 27 | 4 57 | 12 21 | 2 53 | 8 8 | 0 43 | 16 31 | 0 4 | 13 11 | 1 28 | 16 37 | 0 53 | 7 20 | 0 43 | 20 1 | 0 48 | 0 55 | 17 4 | 22 36 | 22 33 | 21 49 | 15 46 | 6 59 |
| T 14 | 9 28 | 11 44 | 5 0 | 11 53 | 2 43 | 7 50 | 0 37 | 16 45 | 0 5 | 13 9 | 1 28 | 16 37 | 0 53 | 7 19 | 0 43 | 20 1 | 0 48 | 0 54 | 17 4 | 22 37 | 22 33 | 21 47 | 15 46 | 6 58 |
| W15 | 9 49 | 16 33 | 4 46 | 11 23 | 2 31 | 7 31 | 0 31 | 16 58 | 0 6 | 13 7 | 1 28 | 16 37 | 0 53 | 7 18 | 0 43 | 20 1 | 0 48 | 0 53 | 17 5 | 22 38 | 22 33 | 21 45 | 15 46 | 6 58 |
| T 16 | 10 11 | 20 34 | 4 14 | 10 52 | 2 17 | 7 13 | 0 26 | 17 11 | 0 6 | 13 4 | 1 28 | 16 37 | 0 53 | 7 17 | 0 43 | 20 1 | 0 48 | 0 53 | 17 5 | 22 39 | 22 34 | 21 43 | 15 47 | 6 57 |
| F 17 | 10 32 | 23 25 | 3 27 | 10 20 | 2 3 | 6 54 | 0 20 | 17 24 | 0 7 | 13 2 | 1 28 | 16 38 | 0 53 | 7 16 | 0 43 | 20 1 | 0 48 | 0 52 | 17 5 | 22 40 | 22 34 | 21 42 | 15 47 | 6 57 |
| S 18 | 10 53 | 24 48 | 2 26 | 9 48 | 1 48 | 6 34 | 0 15 | 17 36 | 0 8 | 12 59 | 1 28 | 16 37 | 0 53 | 7 15 | 0 42 | 20 1 | 0 48 | 0 52 | 17 5 | 22 41 | 22 34 | 21 40 | 15 47 | 6 56 |
| S 19 | 11 14 | 24 35 | 1 16 | 9 17 | 1 32 | 6 15 | 0 10 | 17 49 | 0 8 | 12 57 | 1 28 | 16 37 | 0 53 | 7 15 | 0 42 | 20 1 | 0 48 | 0 51 | 17 6 | 22 41 | 22 35 | 21 38 | 15 47 | 6 56 |
| M20 | 11 34 | 22 45 | 0 2 | 8 47 | 1 16 | 5 55 | 0 5 | 18 1 | 0 9 | 12 55 | 1 28 | 16 37 | 0 53 | 7 14 | 0 42 | 20 1 | 0 48 | 0 51 | 17 6 | 22 41 | 22 35 | 21 36 | 15 48 | 6 55 |
| T 21 | 11 55 | 19 30 | 1n13 | 8 18 | 1 0 | 5 34 | 0s 0 | 18 14 | 0 10 | 12 52 | 1 28 | 16 37 | 0 53 | 7 13 | 0 42 | 20 1 | 0 48 | 0 50 | 17 6 | 22 41 | 22 35 | 21 35 | 15 48 | 6 55 |
| W22 | 12 15 | 15 8 | 2 23 | 7 51 | 0 43 | 5 14 | 0 5 | 18 25 | 0 10 | 12 50 | 1 28 | 16 37 | 0 53 | 7 12 | 0 42 | 20 1 | 0 48 | 0 49 | 17 6 | 22 41 | 22 36 | 21 33 | 15 48 | 6 54 |
| T 23 | 12 35 | 9 59 | 3 23 | 7 26 | 0 27 | 4 53 | 0 10 | 18 37 | 0 11 | 12 47 | 1 28 | 16 37 | 0 53 | 7 11 | 0 42 | 20 1 | 0 48 | 0 49 | 17 6 | 22 41 | 22 36 | 21 31 | 15 48 | 6 54 |
| F 24 | 12 55 | 4 22 | 4 11 | 7 3 | 0 10 | 4 32 | 0 15 | 18 49 | 0 12 | 12 45 | 1 28 | 16 37 | 0 53 | 7 10 | 0 42 | 20 1 | 0 48 | 0 48 | 17 6 | 22 42 | 22 36 | 21 29 | 15 49 | 6 53 |
| S 25 | 13 15 | 1n24 | 4 44 | 6 42 | 0s 5 | 4 10 | 0 19 | 19 0 | 0 12 | 12 43 | 1 28 | 16 37 | 0 53 | 7 9 | 0 42 | 20 1 | 0 48 | 0 48 | 17 6 | 22 42 | 22 37 | 21 27 | 15 49 | 6 53 |
| S 26 | 13 34 | 7 1 | 5 1 | 6 24 | 0 21 | 3 49 | 0 24 | 19 11 | 0 13 | 12 40 | 1 28 | 16 36 | 0 53 | 7 8 | 0 42 | 20 1 | 0 48 | 0 47 | 17 7 | 22 43 | 22 37 | 21 26 | 15 49 | 6 52 |
| M27 | 13 53 | 12 14 | 5 1 | 6 8 | 0 35 | 3 27 | 0 28 | 19 22 | 0 14 | 12 38 | 1 28 | 16 36 | 0 53 | 7 7 | 0 42 | 20 0 | 0 48 | 0 47 | 17 7 | 22 44 | 22 37 | 21 24 | 15 49 | 6 52 |
| T 28 | 14 12 | 16 48 | 4 44 | 5 55 | 0 50 | 3 5 | 0 33 | 19 33 | 0 14 | 12 35 | 1 28 | 16 36 | 0 53 | 7 6 | 0 42 | 20 0 | 0 48 | 0 46 | 17 7 | 22 45 | 22 38 | 21 22 | 15 49 | 6 51 |
| W29 | 14 31 | 20 29 | 4 13 | 5 44 | 1 3 | 2 43 | 0 37 | 19 44 | 0 15 | 12 33 | 1 28 | 16 35 | 0 53 | 7 5 | 0 42 | 20 0 | 0 48 | 0 46 | 17 7 | 22 46 | 22 38 | 21 20 | 15 50 | 6 51 |
| T 30 | 14n50 | 23n 6 | 3n30 | 5n36 | 1s16 | 2s20 | 0s41 | 19n54 | 0n15 | 12s30 | 1n28 | 16n35 | 0n53 | 7s 4 | 0n42 | 20s 0 | 0n48 | 0s45 | 17n 7 | 22s47 | 22s38 | 21n18 | 15n50 | 6s50 |

Julian Day Number = 2808842.5, Delta T = 52m32s
Ecliptic obliquity = 23°18'48, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°26'03, Lahiri = 37°33'03


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# ASTRODIENST EPHEMERIS for the year 2978
# geocentric

## MAY 2978 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 37 44 | 11♉16'17 | 10♊45 | 17♈37 | 26♓47 | 28♉55 | 7°R13 | 16♌47 | 19°R49 | 26°R14 | 18°R31 | 11°R47 | 13♑25 | 19♋53 | 13♋33 | F 1 |
| S 2 | 14 41 41 | 12°15'04 | 22°55 | 17°57 | 27°54 | 29°39 | 7♏ 5 | 16°48 | 19♎47 | 26♑13 | 18♏29 | 11♑43 | 13°21 | 19°59 | 13°36 | S 2 |
| S 3 | 14 45 37 | 13°13'49 | 4♋54 | 18°22 | 29° 1 | 0♊23 | 6°57 | 16°50 | 19°45 | 26°13 | 18°27 | 11°41 | 13°18 | 20° 6 | 13°40 | S 3 |
| M 4 | 14 49 34 | 14°12'32 | 16°45 | 18°51 | 0♈ 8 | 1° 6 | 6°50 | 16°52 | 19°42 | 26°13 | 18°25 | 11°D41 | 13°15 | 20°13 | 13°44 | M 4 |
| T 5 | 14 53 30 | 15°11'12 | 28°32 | 19°24 | 1°15 | 1°50 | 6°42 | 16°53 | 19°40 | 26°13 | 18°24 | 11°42 | 13°12 | 20°19 | 13°47 | T 5 |
| W 6 | 14 57 27 | 16° 9'51 | 10♌22 | 20° 1 | 2°23 | 2°33 | 6°35 | 16°55 | 19°38 | 26°13 | 18°22 | 11°42 | 13° 9 | 20°26 | 13°51 | W 6 |
| T 7 | 15 1 24 | 17° 8'27 | 22°19 | 20°42 | 3°30 | 3°17 | 6°27 | 16°57 | 19°36 | 26°12 | 18°20 | 11°R42 | 13° 6 | 20°33 | 13°55 | T 7 |
| F 8 | 15 5 20 | 18° 7'01 | 4♍28 | 21°27 | 4°38 | 4° 0 | 6°20 | 17° 0 | 19°33 | 26°12 | 18°19 | 11°41 | 13° 2 | 20°39 | 13°59 | F 8 |
| S 9 | 15 9 17 | 19° 5'33 | 16°54 | 22°15 | 5°45 | 4°43 | 6°12 | 17° 2 | 19°31 | 26°12 | 18°17 | 11°37 | 12°59 | 20°46 | 14° 3 | S 9 |
| S 10 | 15 13 13 | 20° 4'03 | 29°41 | 23° 6 | 6°53 | 5°26 | 6° 5 | 17° 4 | 19°29 | 26°11 | 18°15 | 11°32 | 12°56 | 20°53 | 14° 7 | S 10 |
| M11 | 15 17 10 | 21° 2'31 | 12♎53 | 24° 1 | 8° 1 | 6°10 | 5°58 | 17° 7 | 19°27 | 26°11 | 18°14 | 11°25 | 12°53 | 20°59 | 14°11 | M11 |
| T 12 | 15 21 6 | 22° 0'57 | 26°28 | 24°59 | 9° 9 | 6°53 | 5°51 | 17° 9 | 19°25 | 26°10 | 18°12 | 11°17 | 12°50 | 21° 6 | 14°15 | T 12 |
| W13 | 15 25 3 | 22°59'21 | 10♏27 | 25°59 | 10°17 | 7°36 | 5°43 | 17°12 | 19°23 | 26°10 | 18°10 | 11° 9 | 12°46 | 21°12 | 14°19 | W13 |
| T 14 | 15 28 59 | 23°57'43 | 24°45 | 27° 3 | 11°26 | 8°19 | 5°36 | 17°15 | 19°21 | 26° 9 | 18° 9 | 11° 2 | 12°43 | 21°19 | 14°23 | T 14 |
| F 15 | 15 32 56 | 24°56'04 | 9♐16 | 28° 9 | 12°34 | 9° 2 | 5°30 | 17°18 | 19°19 | 26° 9 | 18° 7 | 10°56 | 12°40 | 21°26 | 14°28 | F 15 |
| S 16 | 15 36 53 | 25°54'23 | 23°54 | 29°18 | 13°42 | 9°45 | 5°23 | 17°21 | 19°17 | 26° 8 | 18° 5 | 10°53 | 12°37 | 21°32 | 14°32 | S 16 |
| S 17 | 15 40 49 | 26°52'40 | 8♑32 | 0♉29 | 14°51 | 10°28 | 5°16 | 17°24 | 19°15 | 26° 8 | 18° 4 | 10°D52 | 12°34 | 21°39 | 14°36 | S 17 |
| M18 | 15 44 46 | 27°50'55 | 23° 6 | 1°43 | 16° 0 | 11°11 | 5° 9 | 17°27 | 19°13 | 26° 7 | 18° 2 | 10°52 | 12°31 | 21°46 | 14°41 | M18 |
| T 19 | 15 48 42 | 28°49'10 | 7♒29 | 2°59 | 17° 8 | 11°53 | 5° 3 | 17°30 | 19°11 | 26° 6 | 18° 0 | 10°54 | 12°27 | 21°52 | 14°45 | T 19 |
| W20 | 15 52 39 | 29°47'22 | 21°41 | 4°18 | 18°17 | 12°36 | 4°56 | 17°33 | 19°10 | 26° 6 | 17°59 | 10°55 | 12°24 | 21°59 | 14°50 | W20 |
| T 21 | 15 56 35 | 0♊45'34 | 5♓39 | 5°38 | 19°26 | 13°19 | 4°50 | 17°37 | 19° 8 | 26° 5 | 17°57 | 10°R55 | 12°21 | 22° 6 | 14°54 | T 21 |
| F 22 | 16 0 32 | 1°43'44 | 19°22 | 7° 1 | 20°35 | 14° 2 | 4°44 | 17°40 | 19° 6 | 26° 4 | 17°55 | 10°53 | 12°18 | 22°12 | 14°59 | F 22 |
| S 23 | 16 4 28 | 2°41'52 | 2♈52 | 8°26 | 21°44 | 14°44 | 4°38 | 17°44 | 19° 5 | 26° 3 | 17°54 | 10°50 | 12°15 | 22°19 | 15° 4 | S 23 |
| S 24 | 16 8 25 | 3°39'59 | 16° 8 | 9°54 | 22°53 | 15°27 | 4°32 | 17°48 | 19° 3 | 26° 3 | 17°52 | 10°46 | 12°12 | 22°26 | 15° 8 | S 24 |
| M25 | 16 12 22 | 4°38'05 | 29°10 | 11°23 | 24° 3 | 16° 9 | 4°26 | 17°51 | 19° 1 | 26° 2 | 17°50 | 10°40 | 12° 8 | 22°32 | 15°13 | M25 |
| T 26 | 16 16 18 | 5°36'10 | 11♉59 | 12°55 | 25°12 | 16°52 | 4°20 | 17°55 | 19° 0 | 26° 1 | 17°49 | 10°34 | 12° 5 | 22°39 | 15°18 | T 26 |
| W27 | 16 20 15 | 6°34'13 | 24°35 | 14°28 | 26°22 | 17°34 | 4°14 | 17°59 | 18°58 | 26° 0 | 17°47 | 10°28 | 12° 2 | 22°46 | 15°23 | W27 |
| T 28 | 16 24 11 | 7°32'14 | 6♊59 | 16° 4 | 27°31 | 18°16 | 4° 9 | 18° 3 | 18°57 | 25°59 | 17°46 | 10°23 | 11°59 | 22°52 | 15°28 | T 28 |
| F 29 | 16 28 8 | 8°30'14 | 19°11 | 17°42 | 28°41 | 18°59 | 4° 3 | 18° 8 | 18°55 | 25°58 | 17°44 | 10°20 | 11°56 | 22°59 | 15°33 | F 29 |
| S 30 | 16 32 4 | 9°28'13 | 1♋13 | 19°21 | 29°50 | 19°41 | 3°58 | 18°12 | 18°54 | 25°57 | 17°43 | 10°18 | 11°52 | 23° 6 | 15°38 | S 30 |
| S 31 | 16 36 1 | 10♊26'10 | 13♋ 7 | 21♉ 3 | 1♉ 0 | 20♊23 | 3♏53 | 18♌16 | 18♎53 | 25♑56 | 17♏41 | 10°D18 | 11♑49 | 23♋12 | 15♋43 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15n 8 | 24n32 | 2n38 | 5n31 | 1s28 | 1s58 | 0s45 | 20n 5 | 0n16 | 12s28 | 1n28 | 16n34 | 0n53 | 7s 4 | 0n42 | 20s 0 | 0n48 | 0s45 | 17n 7 | 22s48 | 22s38 | 21n16 | 15n50 | 6s50 |
| S 2 | 15 26 | 24 46 | 1 39 | 5 28 | 1 40 | 1 35 | 0 49 | 20 15 | 0 17 | 12 25 | 1 28 | 16 34 | 0 53 | 7 3 | 0 42 | 20 0 | 0 48 | 0 44 | 17 7 | 22 48 | 22 39 | 21 15 | 15 50 | 6 49 |
| S 3 | 15 44 | 23 50 | 0 36 | 5 28 | 1 50 | 1 12 | 0 53 | 20 24 | 0 17 | 12 23 | 1 28 | 16 33 | 0 53 | 7 2 | 0 42 | 20 0 | 0 48 | 0 44 | 17 7 | 22 48 | 22 39 | 21 13 | 15 50 | 6 49 |
| M 4 | 16 1 | 21 49 | 0s27 | 5 29 | 2 0 | 0 49 | 0 57 | 20 34 | 0 18 | 12 21 | 1 27 | 16 33 | 0 53 | 7 1 | 0 42 | 20 0 | 0 48 | 0 43 | 17 7 | 22 48 | 22 39 | 21 11 | 15 50 | 6 49 |
| T 5 | 16 18 | 18 53 | 1 29 | 5 33 | 2 9 | 0 26 | 1 1 | 20 43 | 0 19 | 12 18 | 1 27 | 16 32 | 0 53 | 7 0 | 0 42 | 20 1 | 0 48 | 0 43 | 17 7 | 22 48 | 22 40 | 21 9 | 15 50 | 6 48 |
| W 6 | 16 35 | 15 10 | 2 28 | 5 39 | 2 18 | 0 2 | 1 4 | 20 53 | 0 19 | 12 16 | 1 27 | 16 32 | 0 53 | 6 59 | 0 42 | 20 1 | 0 48 | 0 43 | 17 7 | 22 48 | 22 40 | 21 7 | 15 50 | 6 48 |
| T 7 | 16 52 | 10 50 | 3 21 | 5 48 | 2 25 | 0n21 | 1 8 | 21 2 | 0 20 | 12 14 | 1 27 | 16 31 | 0 53 | 6 59 | 0 42 | 20 1 | 0 48 | 0 42 | 17 7 | 22 48 | 22 40 | 21 5 | 15 50 | 6 47 |
| F 8 | 17 8 | 6 1 | 4 5 | 5 58 | 2 32 | 0 45 | 1 11 | 21 10 | 0 20 | 12 11 | 1 27 | 16 30 | 0 53 | 6 58 | 0 42 | 20 1 | 0 48 | 0 42 | 17 7 | 22 48 | 22 41 | 21 4 | 15 50 | 6 47 |
| S 9 | 17 24 | 0 51 | 4 39 | 6 10 | 2 39 | 1 8 | 1 14 | 21 19 | 0 21 | 12 9 | 1 27 | 16 30 | 0 53 | 6 57 | 0 42 | 20 1 | 0 48 | 0 41 | 17 7 | 22 48 | 22 41 | 21 2 | 15 50 | 6 46 |
| S 10 | 17 40 | 4s29 | 5 1 | 6 24 | 2 44 | 1 32 | 1 17 | 21 27 | 0 22 | 12 7 | 1 27 | 16 29 | 0 53 | 6 56 | 0 42 | 20 1 | 0 48 | 0 41 | 17 7 | 22 49 | 22 41 | 21 0 | 15 50 | 6 46 |
| M11 | 17 55 | 9 47 | 5 7 | 6 39 | 2 49 | 1 56 | 1 20 | 21 35 | 0 22 | 12 4 | 1 27 | 16 28 | 0 53 | 6 55 | 0 42 | 20 1 | 0 48 | 0 41 | 17 7 | 22 50 | 22 42 | 20 58 | 15 50 | 6 46 |
| T 12 | 18 11 | 14 46 | 4 57 | 6 56 | 2 53 | 2 20 | 1 23 | 21 43 | 0 23 | 12 2 | 1 27 | 16 27 | 0 53 | 6 55 | 0 42 | 20 1 | 0 48 | 0 40 | 17 7 | 22 50 | 22 42 | 20 56 | 15 50 | 6 45 |
| W13 | 18 25 | 19 7 | 4 28 | 7 15 | 2 56 | 2 44 | 1 26 | 21 51 | 0 23 | 12 0 | 1 27 | 16 27 | 0 53 | 6 54 | 0 42 | 20 1 | 0 48 | 0 40 | 17 7 | 22 51 | 22 42 | 20 54 | 15 50 | 6 45 |
| T 14 | 18 40 | 22 28 | 3 43 | 7 35 | 2 59 | 3 8 | 1 29 | 21 58 | 0 24 | 11 58 | 1 26 | 16 26 | 0 53 | 6 53 | 0 42 | 20 1 | 0 48 | 0 39 | 17 7 | 22 51 | 22 42 | 20 52 | 15 50 | 6 44 |
| F 15 | 18 54 | 24 24 | 2 42 | 7 56 | 3 1 | 3 32 | 1 31 | 22 6 | 0 25 | 11 56 | 1 26 | 16 25 | 0 53 | 6 52 | 0 42 | 20 1 | 0 48 | 0 39 | 17 7 | 22 52 | 22 43 | 20 50 | 15 50 | 6 44 |
| S 16 | 19 8 | 24 41 | 1 31 | 8 19 | 3 2 | 3 56 | 1 34 | 22 13 | 0 25 | 11 53 | 1 26 | 16 24 | 0 53 | 6 52 | 0 42 | 20 1 | 0 48 | 0 39 | 17 7 | 22 52 | 22 43 | 20 49 | 15 50 | 6 44 |
| S 17 | 19 21 | 23 15 | 0 13 | 8 43 | 3 3 | 4 20 | 1 36 | 22 19 | 0 26 | 11 51 | 1 26 | 16 23 | 0 53 | 6 51 | 0 42 | 20 1 | 0 48 | 0 38 | 17 6 | 22 52 | 22 43 | 20 47 | 15 50 | 6 43 |
| M18 | 19 35 | 20 16 | 1n 6 | 9 8 | 3 3 | 4 45 | 1 38 | 22 26 | 0 26 | 11 49 | 1 26 | 16 22 | 0 53 | 6 50 | 0 42 | 20 1 | 0 48 | 0 38 | 17 6 | 22 52 | 22 44 | 20 45 | 15 50 | 6 43 |
| T 19 | 19 47 | 16 3 | 2 19 | 9 34 | 3 3 | 5 9 | 1 41 | 22 32 | 0 27 | 11 47 | 1 26 | 16 21 | 0 53 | 6 50 | 0 42 | 20 2 | 0 48 | 0 38 | 17 6 | 22 52 | 22 44 | 20 43 | 15 50 | 6 43 |
| W20 | 20 0 | 10 59 | 3 23 | 10 2 | 3 2 | 5 33 | 1 43 | 22 39 | 0 27 | 11 45 | 1 26 | 16 20 | 0 53 | 6 49 | 0 42 | 20 2 | 0 48 | 0 38 | 17 6 | 22 52 | 22 44 | 20 41 | 15 50 | 6 42 |
| T 21 | 20 12 | 5 27 | 4 14 | 10 30 | 3 0 | 5 57 | 1 45 | 22 44 | 0 28 | 11 43 | 1 25 | 16 19 | 0 53 | 6 48 | 0 42 | 20 2 | 0 48 | 0 37 | 17 6 | 22 52 | 22 45 | 20 39 | 15 50 | 6 42 |
| F 22 | 20 24 | 0n15 | 4 49 | 10 59 | 2 58 | 6 21 | 1 46 | 22 50 | 0 29 | 11 41 | 1 25 | 16 18 | 0 53 | 6 48 | 0 42 | 20 2 | 0 48 | 0 37 | 17 6 | 22 52 | 22 45 | 20 37 | 15 49 | 6 42 |
| S 23 | 20 35 | 5 51 | 5 8 | 11 28 | 2 55 | 6 45 | 1 48 | 22 56 | 0 29 | 11 39 | 1 25 | 16 17 | 0 53 | 6 47 | 0 42 | 20 2 | 0 48 | 0 37 | 17 6 | 22 52 | 22 45 | 20 35 | 15 49 | 6 41 |
| S 24 | 20 46 | 11 4 | 5 9 | 11 59 | 2 52 | 7 9 | 1 50 | 23 1 | 0 30 | 11 38 | 1 25 | 16 16 | 0 53 | 6 47 | 0 42 | 20 2 | 0 48 | 0 37 | 17 5 | 22 53 | 22 45 | 20 33 | 15 49 | 6 41 |
| M25 | 20 57 | 15 43 | 4 55 | 12 30 | 2 48 | 7 33 | 1 51 | 23 6 | 0 30 | 11 36 | 1 25 | 16 15 | 0 53 | 6 46 | 0 42 | 20 2 | 0 48 | 0 36 | 17 5 | 22 53 | 22 46 | 20 31 | 15 49 | 6 41 |
| T 26 | 21 8 | 19 34 | 4 26 | 13 2 | 2 44 | 7 57 | 1 53 | 23 11 | 0 31 | 11 34 | 1 25 | 16 13 | 0 53 | 6 46 | 0 42 | 20 2 | 0 48 | 0 36 | 17 5 | 22 54 | 22 46 | 20 29 | 15 49 | 6 40 |
| W27 | 21 18 | 22 26 | 3 44 | 13 34 | 2 39 | 8 21 | 1 54 | 23 15 | 0 31 | 11 32 | 1 24 | 16 12 | 0 53 | 6 45 | 0 42 | 20 3 | 0 48 | 0 36 | 17 5 | 22 54 | 22 46 | 20 27 | 15 48 | 6 40 |
| T 28 | 21 27 | 24 11 | 2 52 | 14 7 | 2 33 | 8 44 | 1 55 | 23 20 | 0 32 | 11 31 | 1 24 | 16 11 | 0 53 | 6 45 | 0 42 | 20 3 | 0 48 | 0 36 | 17 5 | 22 55 | 22 47 | 20 25 | 15 48 | 6 40 |
| F 29 | 21 36 | 24 45 | 1 53 | 14 40 | 2 27 | 9 8 | 1 57 | 23 24 | 0 32 | 11 29 | 1 24 | 16 10 | 0 53 | 6 44 | 0 41 | 20 3 | 0 48 | 0 36 | 17 4 | 22 55 | 22 47 | 20 24 | 15 48 | 6 39 |
| S 30 | 21 45 | 24 8 | 0 50 | 15 13 | 2 21 | 9 31 | 1 58 | 23 28 | 0 33 | 11 28 | 1 24 | 16 8 | 0 53 | 6 44 | 0 41 | 20 3 | 0 48 | 0 35 | 17 4 | 22 55 | 22 47 | 20 22 | 15 48 | 6 39 |
| S 31 | 21n54 | 22n25 | 0s15 | 15n47 | 2s14 | 9n54 | 1s59 | 23n31 | 0n33 | 11s26 | 1n24 | 16n 7 | 0n53 | 6s43 | 0n41 | 20s 3 | 0n48 | 0s35 | 17n 4 | 22s55 | 22s47 | 20n20 | 15n47 | 6s39 |

Julian Day Number = 2808872.5, Delta T = 52m33s
Ecliptic obliquity = 23°18'47, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°26'07, Lahiri = 37°33'07


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# ASTRODIENST EPHEMERIS for the year 2978
# geocentric

## JUNE 2978 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 39 58 | 11♊24'05 | 24♋56 | 22♉47 | 2♉10 | 21♊ 6 | 3°R48 | 18♌21 | 18°R51 | 25°R55 | 17°R39 | 10♑19 | 11♑46 | 23♋19 | 15♋48 | M 1 |
| T 2 | 16 43 54 | 12°21'58 | 6♌43 | 24°33 | 3°19 | 21°48 | 3♏44 | 18°25 | 18♎50 | 25♑54 | 17♏38 | 10°20 | 11°43 | 23°25 | 15°53 | T 2 |
| W 3 | 16 47 51 | 13°19'50 | 18°32 | 26°21 | 4°29 | 22°30 | 3°39 | 18°30 | 18°49 | 25°53 | 17°36 | 10°22 | 11°40 | 23°32 | 15°58 | W 3 |
| T 4 | 16 51 47 | 14°17'41 | 0♍29 | 28°11 | 5°39 | 23°12 | 3°35 | 18°34 | 18°48 | 25°52 | 17°35 | 10°23 | 11°37 | 23°39 | 16° 3 | T 4 |
| F 5 | 16 55 44 | 15°15'29 | 12°37 | 0♊ 4 | 6°49 | 23°54 | 3°30 | 18°39 | 18°47 | 25°51 | 17°34 | 10°R24 | 11°33 | 23°45 | 16° 8 | F 5 |
| S 6 | 16 59 40 | 16°13'16 | 25° 1 | 1°58 | 7°59 | 24°36 | 3°26 | 18°44 | 18°46 | 25°50 | 17°32 | 10°24 | 11°30 | 23°52 | 16°13 | S 6 |
| S 7 | 17 3 37 | 17°11'02 | 7♎47 | 3°54 | 9° 9 | 25°18 | 3°22 | 18°49 | 18°45 | 25°49 | 17°31 | 10°22 | 11°27 | 23°59 | 16°19 | S 7 |
| M 8 | 17 7 33 | 18° 8'45 | 20°57 | 5°52 | 10°20 | 25°59 | 3°18 | 18°54 | 18°44 | 25°47 | 17°29 | 10°20 | 11°24 | 24° 5 | 16°24 | M 8 |
| T 9 | 17 11 30 | 19° 6'28 | 4♏33 | 7°52 | 11°30 | 26°41 | 3°15 | 18°59 | 18°43 | 25°46 | 17°28 | 10°18 | 11°21 | 24°12 | 16°29 | T 9 |
| W10 | 17 15 27 | 20° 4'09 | 18°35 | 9°55 | 12°40 | 27°23 | 3°11 | 19° 4 | 18°42 | 25°45 | 17°27 | 10°15 | 11°18 | 24°19 | 16°35 | W10 |
| T 11 | 17 19 23 | 21° 1'48 | 3♐ 2 | 11°58 | 13°50 | 28° 5 | 3° 8 | 19° 9 | 18°41 | 25°44 | 17°25 | 10°12 | 11°14 | 24°25 | 16°40 | T 11 |
| F 12 | 17 23 20 | 21°59'27 | 17°47 | 14° 4 | 15° 1 | 28°46 | 3° 5 | 19°14 | 18°41 | 25°43 | 17°24 | 10°11 | 11°11 | 24°32 | 16°46 | F 12 |
| S 13 | 17 27 16 | 22°57'04 | 2♑44 | 16°11 | 16°11 | 29°28 | 3° 2 | 19°20 | 18°40 | 25°41 | 17°23 | 10°D10 | 11° 8 | 24°39 | 16°51 | S 13 |
| S 14 | 17 31 13 | 23°54'40 | 17°45 | 18°20 | 17°22 | 0♋ 9 | 2°59 | 19°25 | 18°39 | 25°40 | 17°21 | 10°10 | 11° 5 | 24°45 | 16°57 | S 14 |
| M15 | 17 35 9 | 24°52'15 | 2♒41 | 20°29 | 18°32 | 0°51 | 2°57 | 19°30 | 18°39 | 25°39 | 17°20 | 10°10 | 11° 2 | 24°52 | 17° 2 | M15 |
| T 16 | 17 39 6 | 25°49'49 | 17°25 | 22°40 | 19°43 | 1°32 | 2°54 | 19°36 | 18°38 | 25°37 | 17°19 | 10°11 | 10°58 | 24°59 | 17° 8 | T 16 |
| W17 | 17 43 2 | 26°47'22 | 1♓52 | 24°51 | 20°53 | 2°14 | 2°52 | 19°42 | 18°38 | 25°36 | 17°18 | 10°12 | 10°55 | 25° 5 | 17°13 | W17 |
| T 18 | 17 46 59 | 27°44'55 | 15°59 | 27° 3 | 22° 4 | 2°55 | 2°50 | 19°47 | 18°37 | 25°35 | 17°16 | 10°13 | 10°52 | 25°12 | 17°19 | T 18 |
| F 19 | 17 50 56 | 28°42'26 | 29°44 | 29°16 | 23°15 | 3°37 | 2°48 | 19°53 | 18°37 | 25°33 | 17°15 | 10°R13 | 10°49 | 25°18 | 17°24 | F 19 |
| S 20 | 17 54 52 | 29°39'57 | 13♈ 8 | 1♋28 | 24°26 | 4°18 | 2°46 | 19°59 | 18°37 | 25°32 | 17°14 | 10°13 | 10°46 | 25°25 | 17°30 | S 20 |
| S 21 | 17 58 49 | 0♋37'28 | 26°13 | 3°40 | 25°36 | 4°59 | 2°45 | 20° 5 | 18°36 | 25°30 | 17°13 | 10°12 | 10°43 | 25°32 | 17°36 | S 21 |
| M22 | 18 2 45 | 1°34'57 | 9♉ 0 | 5°51 | 26°47 | 5°40 | 2°43 | 20°11 | 18°36 | 25°29 | 17°12 | 10°11 | 10°39 | 25°38 | 17°41 | M22 |
| T 23 | 18 6 42 | 2°32'27 | 21°32 | 8° 2 | 27°58 | 6°22 | 2°42 | 20°17 | 18°36 | 25°28 | 17°11 | 10°10 | 10°36 | 25°45 | 17°47 | T 23 |
| W24 | 18 10 38 | 3°29'55 | 3♊52 | 10°11 | 29° 9 | 7° 3 | 2°41 | 20°23 | 18°36 | 25°26 | 17°10 | 10° 9 | 10°33 | 25°52 | 17°53 | W24 |
| T 25 | 18 14 35 | 4°27'23 | 16° 0 | 12°19 | 0♊20 | 7°44 | 2°40 | 20°29 | 18°36 | 25°25 | 17° 9 | 10° 9 | 10°30 | 25°58 | 17°58 | T 25 |
| F 26 | 18 18 31 | 5°24'50 | 28° 0 | 14°26 | 1°31 | 8°25 | 2°40 | 20°35 | 18°D36 | 25°23 | 17° 8 | 10° 8 | 10°27 | 26° 5 | 18° 4 | F 26 |
| S 27 | 18 22 28 | 6°22'16 | 9♋54 | 16°31 | 2°42 | 9° 6 | 2°39 | 20°41 | 18°36 | 25°22 | 17° 7 | 10°D 8 | 10°24 | 26°12 | 18°10 | S 27 |
| S 28 | 18 26 25 | 7°19'41 | 21°43 | 18°34 | 3°53 | 9°47 | 2°39 | 20°47 | 18°36 | 25°20 | 17° 6 | 10° 8 | 10°20 | 26°18 | 18°16 | S 28 |
| M29 | 18 30 21 | 8°17'06 | 3♌30 | 20°35 | 5° 5 | 10°28 | 2°D39 | 20°54 | 18°36 | 25°19 | 17° 5 | 10° 8 | 10°17 | 26°25 | 18°22 | M29 |
| T 30 | 18 34 18 | 9♋14'30 | 15♌18 | 22♋35 | 6♊16 | 11♋ 9 | 2♏39 | 21♌ 0 | 18♎36 | 25♑17 | 17♏ 4 | 10♑ 9 | 10♑14 | 26♋32 | 18♋27 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n 2 | 19n44 | 1s20 | 16n20 | 2s 6 | 10n17 | 1s59 | 23n35 | 0n34 | 11s25 | 1n23 | 16n 6 | 0n53 | 6s43 | 0n41 | 20s 3 | 0n49 | 0s35 | 17n 4 | 22s55 | 22s48 | 20n18 | 15n47 | 6s39 |
| T 2 | 22 9 | 16 14 | 2 20 | 16 54 | 1 58 | 10 40 | 2 0 | 23 38 | 0 34 | 11 23 | 1 23 | 16 4 | 0 53 | 6 42 | 0 41 | 20 4 | 0 49 | 0 35 | 17 3 | 22 55 | 22 48 | 20 16 | 15 47 | 6 38 |
| W 3 | 22 17 | 12 6 | 3 15 | 17 27 | 1 50 | 11 3 | 2 1 | 23 41 | 0 35 | 11 22 | 1 23 | 16 3 | 0 53 | 6 42 | 0 41 | 20 4 | 0 49 | 0 35 | 17 3 | 22 55 | 22 48 | 20 14 | 15 46 | 6 38 |
| T 4 | 22 24 | 7 28 | 4 2 | 18 0 | 1 41 | 11 26 | 2 1 | 23 44 | 0 36 | 11 21 | 1 23 | 16 1 | 0 53 | 6 41 | 0 41 | 20 4 | 0 49 | 0 35 | 17 3 | 22 55 | 22 49 | 20 12 | 15 46 | 6 38 |
| F 5 | 22 30 | 2 29 | 4 39 | 18 33 | 1 32 | 11 48 | 2 2 | 23 46 | 0 36 | 11 19 | 1 22 | 16 0 | 0 53 | 6 41 | 0 41 | 20 4 | 0 49 | 0 35 | 17 3 | 22 54 | 22 49 | 20 10 | 15 46 | 6 38 |
| S 6 | 22 36 | 2s41 | 5 4 | 19 6 | 1 23 | 12 10 | 2 2 | 23 49 | 0 37 | 11 18 | 1 22 | 15 58 | 0 53 | 6 41 | 0 41 | 20 4 | 0 49 | 0 35 | 17 2 | 22 54 | 22 49 | 20 8 | 15 45 | 6 37 |
| S 7 | 22 42 | 7 54 | 5 15 | 19 37 | 1 13 | 12 32 | 2 2 | 23 51 | 0 37 | 11 17 | 1 22 | 15 57 | 0 53 | 6 40 | 0 41 | 20 5 | 0 49 | 0 35 | 17 2 | 22 55 | 22 49 | 20 6 | 15 45 | 6 37 |
| M 8 | 22 47 | 12 55 | 5 10 | 20 8 | 1 3 | 12 54 | 2 2 | 23 53 | 0 38 | 11 16 | 1 22 | 15 55 | 0 53 | 6 40 | 0 41 | 20 5 | 0 49 | 0 34 | 17 2 | 22 55 | 22 50 | 20 4 | 15 45 | 6 37 |
| T 9 | 22 52 | 17 29 | 4 48 | 20 38 | 0 53 | 13 15 | 2 3 | 23 54 | 0 38 | 11 15 | 1 22 | 15 54 | 0 53 | 6 40 | 0 41 | 20 5 | 0 49 | 0 34 | 17 1 | 22 55 | 22 50 | 20 2 | 15 44 | 6 37 |
| W10 | 22 57 | 21 14 | 4 8 | 21 7 | 0 42 | 13 37 | 2 3 | 23 56 | 0 39 | 11 14 | 1 21 | 15 52 | 0 53 | 6 39 | 0 41 | 20 5 | 0 49 | 0 34 | 17 1 | 22 55 | 22 50 | 20 0 | 15 44 | 6 36 |
| T 11 | 23 1 | 23 47 | 3 11 | 21 35 | 0 32 | 13 58 | 2 2 | 23 57 | 0 39 | 11 13 | 1 21 | 15 51 | 0 53 | 6 39 | 0 41 | 20 5 | 0 49 | 0 34 | 17 1 | 22 55 | 22 50 | 19 58 | 15 43 | 6 36 |
| F 12 | 23 4 | 24 45 | 2 1 | 22 1 | 0 21 | 14 18 | 2 2 | 23 58 | 0 40 | 11 12 | 1 21 | 15 49 | 0 53 | 6 39 | 0 41 | 20 6 | 0 49 | 0 34 | 17 0 | 22 56 | 22 51 | 19 56 | 15 43 | 6 36 |
| S 13 | 23 8 | 23 58 | 0 41 | 22 26 | 0 10 | 14 39 | 2 2 | 23 59 | 0 40 | 11 12 | 1 21 | 15 47 | 0 53 | 6 39 | 0 41 | 20 6 | 0 49 | 0 34 | 17 0 | 22 56 | 22 51 | 19 54 | 15 42 | 6 36 |
| S 14 | 23 10 | 21 27 | 0n42 | 22 49 | 0n 0 | 14 59 | 2 2 | 23 59 | 0 40 | 11 11 | 1 20 | 15 46 | 0 53 | 6 39 | 0 41 | 20 6 | 0 49 | 0 34 | 16 59 | 22 56 | 22 51 | 19 52 | 15 42 | 6 36 |
| M15 | 23 13 | 17 29 | 2 2 | 23 9 | 0 11 | 15 19 | 2 1 | 24 0 | 0 41 | 11 10 | 1 20 | 15 44 | 0 53 | 6 38 | 0 41 | 20 6 | 0 49 | 0 35 | 16 59 | 22 56 | 22 51 | 19 50 | 15 42 | 6 36 |
| T 16 | 23 15 | 12 29 | 3 12 | 23 28 | 0 21 | 15 38 | 2 1 | 24 0 | 0 41 | 11 10 | 1 20 | 15 42 | 0 53 | 6 38 | 0 41 | 20 7 | 0 49 | 0 35 | 16 59 | 22 55 | 22 52 | 19 48 | 15 41 | 6 35 |
| W17 | 23 16 | 6 52 | 4 9 | 23 44 | 0 32 | 15 57 | 2 0 | 24 0 | 0 42 | 11 9 | 1 20 | 15 40 | 0 53 | 6 38 | 0 41 | 20 7 | 0 49 | 0 35 | 16 58 | 22 55 | 22 52 | 19 46 | 15 41 | 6 35 |
| T 18 | 23 18 | 1 3 | 4 49 | 23 58 | 0 41 | 16 16 | 1 59 | 23 59 | 0 42 | 11 9 | 1 19 | 15 39 | 0 53 | 6 38 | 0 41 | 20 7 | 0 49 | 0 35 | 16 58 | 22 55 | 22 52 | 19 44 | 15 40 | 6 35 |
| F 19 | 23 18 | 4n40 | 5 12 | 24 10 | 0 51 | 16 35 | 1 58 | 23 59 | 0 43 | 11 8 | 1 19 | 15 37 | 0 53 | 6 38 | 0 41 | 20 7 | 0 49 | 0 35 | 16 58 | 22 55 | 22 52 | 19 42 | 15 39 | 6 35 |
| S 20 | 23 19 | 10 1 | 5 17 | 24 18 | 1 0 | 16 53 | 1 57 | 23 58 | 0 43 | 11 8 | 1 19 | 15 35 | 0 53 | 6 38 | 0 41 | 20 8 | 0 49 | 0 35 | 16 57 | 22 55 | 22 53 | 19 40 | 15 39 | 6 35 |
| S 21 | 23 19 | 14 48 | 5 5 | 24 24 | 1 8 | 17 10 | 1 57 | 23 57 | 0 44 | 11 8 | 1 19 | 15 33 | 0 53 | 6 38 | 0 41 | 20 8 | 0 49 | 0 35 | 16 57 | 22 55 | 22 53 | 19 38 | 15 38 | 6 35 |
| M22 | 23 18 | 18 49 | 4 38 | 24 27 | 1 16 | 17 28 | 1 56 | 23 56 | 0 44 | 11 7 | 1 18 | 15 31 | 0 53 | 6 38 | 0 41 | 20 8 | 0 49 | 0 35 | 16 56 | 22 55 | 22 53 | 19 35 | 15 38 | 6 35 |
| T 23 | 23 17 | 21 53 | 3 58 | 24 28 | 1 24 | 17 45 | 1 54 | 23 54 | 0 45 | 11 7 | 1 18 | 15 30 | 0 53 | 6 38 | 0 41 | 20 8 | 0 49 | 0 35 | 16 56 | 22 56 | 22 54 | 19 33 | 15 37 | 6 34 |
| W24 | 23 16 | 23 53 | 3 8 | 24 26 | 1 30 | 18 1 | 1 53 | 23 53 | 0 45 | 11 7 | 1 18 | 15 28 | 0 53 | 6 38 | 0 40 | 20 9 | 0 49 | 0 35 | 16 55 | 22 56 | 22 54 | 19 31 | 15 37 | 6 34 |
| T 25 | 23 14 | 24 44 | 2 10 | 24 21 | 1 36 | 18 17 | 1 52 | 23 51 | 0 45 | 11 7 | 1 18 | 15 26 | 0 53 | 6 38 | 0 40 | 20 9 | 0 49 | 0 36 | 16 55 | 22 56 | 22 54 | 19 29 | 15 36 | 6 34 |
| F 26 | 23 12 | 24 25 | 1 7 | 24 13 | 1 42 | 18 33 | 1 51 | 23 49 | 0 46 | 11 7 | 1 17 | 15 24 | 0 53 | 6 38 | 0 40 | 20 9 | 0 49 | 0 36 | 16 54 | 22 56 | 22 54 | 19 27 | 15 35 | 6 34 |
| S 27 | 23 10 | 22 58 | 0 1 | 24 3 | 1 46 | 18 48 | 1 49 | 23 46 | 0 46 | 11 7 | 1 17 | 15 22 | 0 53 | 6 38 | 0 40 | 20 9 | 0 49 | 0 36 | 16 54 | 22 56 | 22 55 | 19 25 | 15 35 | 6 34 |
| S 28 | 23 7 | 20 31 | 1s 4 | 23 51 | 1 50 | 19 3 | 1 48 | 23 44 | 0 47 | 11 7 | 1 17 | 15 20 | 0 53 | 6 38 | 0 40 | 20 10 | 0 49 | 0 36 | 16 54 | 22 56 | 22 55 | 19 23 | 15 34 | 6 34 |
| M29 | 23 3 | 17 13 | 2 6 | 23 36 | 1 53 | 19 17 | 1 46 | 23 41 | 0 47 | 11 8 | 1 17 | 15 18 | 0 53 | 6 38 | 0 40 | 20 10 | 0 49 | 0 36 | 16 53 | 22 56 | 22 55 | 19 21 | 15 33 | 6 34 |
| T 30 | 23n 0 | 13n14 | 3s 3 | 23n20 | 1n55 | 19n31 | 1s45 | 23n38 | 0n48 | 11s 8 | 1n16 | 15n16 | 0n53 | 6s38 | 0n40 | 20s10 | 0n49 | 0s37 | 16n53 | 22s56 | 22s55 | 19n19 | 15n33 | 6s34 |

Julian Day Number = 2808903.5, Delta T = 52m33s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°26'11, Lahiri = 37°33'12


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# ASTRODIENST EPHEMERIS for the year 2978
# geocentric

## JULY 2978 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 38 14 | 10♋11'53 | 27♌10 | 24♋32 | 7♊27 | 11♋49 | 2♏39 | 21♌ 7 | 18♎37 | 25°R15 | 17°R 3 | 10°R 9 | 10♑11 | 26♋38 | 18♋33 | W 1 |
| T 2 | 18 42 11 | 11° 9'15 | 9♍ 8 | 26°27 | 8°38 | 12°30 | 2°39 | 21°13 | 18°37 | 25♑14 | 17♏ 2 | 10♑ 8 | 10° 8 | 26°45 | 18°39 | T 2 |
| F 3 | 18 46 7 | 12° 6'36 | 21°17 | 28°19 | 9°50 | 13°11 | 2°40 | 21°20 | 18°37 | 25°12 | 17° 2 | 10° 8 | 10° 4 | 26°52 | 18°45 | F 3 |
| S 4 | 18 50 4 | 13° 3'56 | 3♎41 | 0♌ 9 | 11° 1 | 13°52 | 2°41 | 21°26 | 18°38 | 25°11 | 17° 1 | 10° 8 | 10° 1 | 26°58 | 18°51 | S 4 |
| S 5 | 18 54 0 | 14° 1'16 | 16°24 | 1°57 | 12°12 | 14°32 | 2°42 | 21°33 | 18°38 | 25° 9 | 17° 0 | 10°D 8 | 9°58 | 27° 5 | 18°57 | S 5 |
| M 6 | 18 57 57 | 14°58'35 | 29°28 | 3°43 | 13°24 | 15°13 | 2°43 | 21°39 | 18°39 | 25° 8 | 17° 0 | 10° 8 | 9°55 | 27°12 | 19° 2 | M 6 |
| T 7 | 19 1 54 | 15°55'53 | 12♏58 | 5°26 | 14°35 | 15°53 | 2°44 | 21°46 | 18°39 | 25° 6 | 16°59 | 10° 9 | 9°52 | 27°18 | 19° 8 | T 7 |
| W 8 | 19 5 50 | 16°53'10 | 26°54 | 7° 7 | 15°47 | 16°34 | 2°46 | 21°53 | 18°40 | 25° 4 | 16°58 | 10° 9 | 9°49 | 27°25 | 19°14 | W 8 |
| T 9 | 19 9 47 | 17°50'27 | 11♐16 | 8°46 | 16°58 | 17°14 | 2°48 | 22° 0 | 18°41 | 25° 3 | 16°58 | 10°10 | 9°45 | 27°31 | 19°20 | T 9 |
| F 10 | 19 13 43 | 18°47'43 | 26° 2 | 10°22 | 18°10 | 17°55 | 2°49 | 22° 7 | 18°41 | 25° 1 | 16°57 | 10°10 | 9°42 | 27°38 | 19°26 | F 10 |
| S 11 | 19 17 40 | 19°44'59 | 11♑ 4 | 11°56 | 19°21 | 18°35 | 2°51 | 22°13 | 18°42 | 25° 0 | 16°57 | 10°R11 | 9°39 | 27°45 | 19°32 | S 11 |
| S 12 | 19 21 36 | 20°42'14 | 26°15 | 13°28 | 20°33 | 19°16 | 2°54 | 22°20 | 18°43 | 24°58 | 16°56 | 10°10 | 9°36 | 27°51 | 19°38 | S 12 |
| M13 | 19 25 33 | 21°39'29 | 11♒26 | 14°57 | 21°45 | 19°56 | 2°56 | 22°27 | 18°44 | 24°56 | 16°56 | 10° 9 | 9°33 | 27°58 | 19°43 | M13 |
| T 14 | 19 29 30 | 22°36'44 | 26°27 | 16°23 | 22°56 | 20°36 | 2°59 | 22°34 | 18°45 | 24°55 | 16°55 | 10° 8 | 9°30 | 28° 5 | 19°49 | T 14 |
| W15 | 19 33 26 | 23°33'58 | 11♓11 | 17°47 | 24° 8 | 21°17 | 3° 1 | 22°41 | 18°46 | 24°53 | 16°55 | 10° 7 | 9°26 | 28°11 | 19°55 | W15 |
| T 16 | 19 37 23 | 24°31'13 | 25°31 | 19° 9 | 25°20 | 21°57 | 3° 4 | 22°49 | 18°47 | 24°52 | 16°54 | 10° 5 | 9°23 | 28°18 | 20° 1 | T 16 |
| F 17 | 19 41 19 | 25°28'28 | 9♈24 | 20°28 | 26°32 | 22°37 | 3° 7 | 22°56 | 18°48 | 24°50 | 16°54 | 10° 4 | 9°20 | 28°25 | 20° 7 | F 17 |
| S 18 | 19 45 16 | 26°25'43 | 22°52 | 21°45 | 27°44 | 23°17 | 3°10 | 23° 3 | 18°49 | 24°48 | 16°54 | 10°D 3 | 9°17 | 28°31 | 20°13 | S 18 |
| S 19 | 19 49 12 | 27°22'58 | 5♉54 | 22°59 | 28°56 | 23°57 | 3°14 | 23°10 | 18°50 | 24°47 | 16°53 | 10° 4 | 9°14 | 28°38 | 20°19 | S 19 |
| M20 | 19 53 9 | 28°20'13 | 18°35 | 24°10 | 0♋ 8 | 24°37 | 3°17 | 23°17 | 18°52 | 24°45 | 16°53 | 10° 4 | 9°10 | 28°45 | 20°25 | M20 |
| T 21 | 19 57 5 | 29°17'29 | 0♊58 | 25°18 | 1°20 | 25°17 | 3°21 | 23°24 | 18°53 | 24°43 | 16°53 | 10° 6 | 9° 7 | 28°51 | 20°30 | T 21 |
| W22 | 20 1 2 | 0♌14'45 | 13° 7 | 26°24 | 2°32 | 25°57 | 3°25 | 23°32 | 18°54 | 24°42 | 16°53 | 10° 7 | 9° 4 | 28°58 | 20°36 | W22 |
| T 23 | 20 4 59 | 1°12'01 | 25° 5 | 27°27 | 3°44 | 26°37 | 3°29 | 23°39 | 18°56 | 24°40 | 16°53 | 10° 9 | 9° 1 | 29° 5 | 20°42 | T 23 |
| F 24 | 20 8 55 | 2° 9'17 | 6♋57 | 28°26 | 4°56 | 27°17 | 3°33 | 23°46 | 18°57 | 24°39 | 16°52 | 10°R 9 | 8°58 | 29°11 | 20°48 | F 24 |
| S 25 | 20 12 52 | 3° 6'33 | 18°45 | 29°23 | 6° 8 | 27°57 | 3°38 | 23°54 | 18°59 | 24°37 | 16°52 | 10° 9 | 8°55 | 29°18 | 20°54 | S 25 |
| S 26 | 20 16 48 | 4° 3'50 | 0♌32 | 0♍16 | 7°20 | 28°37 | 3°42 | 24° 1 | 19° 0 | 24°35 | 16°52 | 10° 8 | 8°51 | 29°25 | 21° 0 | S 26 |
| M27 | 20 20 45 | 5° 1'07 | 12°21 | 1° 7 | 8°32 | 29°17 | 3°47 | 24° 9 | 19° 2 | 24°34 | 16°D52 | 10° 5 | 8°48 | 29°31 | 21° 5 | M27 |
| T 28 | 20 24 41 | 5°58'23 | 24°13 | 1°53 | 9°45 | 29°57 | 3°52 | 24°16 | 19° 4 | 24°32 | 16°52 | 10° 1 | 8°45 | 29°38 | 21°11 | T 28 |
| W29 | 20 28 38 | 6°55'40 | 6♍10 | 2°36 | 10°57 | 0♌36 | 3°57 | 24°24 | 19° 5 | 24°31 | 16°52 | 9°57 | 8°42 | 29°45 | 21°17 | W29 |
| T 30 | 20 32 34 | 7°52'57 | 18°16 | 3°16 | 12° 9 | 1°16 | 4° 2 | 24°31 | 19° 7 | 24°29 | 16°52 | 9°52 | 8°39 | 29°51 | 21°23 | T 30 |
| F 31 | 20 36 31 | 8♌50'14 | 0♎31 | 3♍51 | 13♋22 | 1♌56 | 4♏ 7 | 24♌39 | 19♎ 9 | 24♑28 | 16♏53 | 9♑48 | 8♑36 | 29♋58 | 21♋28 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n55 | 8n44 | 3s53 | 23n 1 | 1n57 | 19n45 | 1s43 | 23n35 | 0n48 | 11s 8 | 1n16 | 15n14 | 0n53 | 6s38 | 0n40 | 20s10 | 0n49 | 0s37 | 16n52 | 22s56 | 22s55 | 19n17 | 15n32 | 6s34 |
| T 2 | 22 51 | 3 53 | 4 33 | 22 40 | 1 57 | 19 57 | 1 41 | 23 32 | 0 48 | 11 9 | 1 16 | 15 12 | 0 53 | 6 38 | 0 40 | 20 11 | 0 49 | 0 37 | 16 52 | 22 56 | 22 56 | 19 15 | 15 31 | 6 34 |
| F 3 | 22 46 | 1s11 | 5 1 | 22 18 | 1 57 | 20 10 | 1 40 | 23 28 | 0 49 | 11 9 | 1 16 | 15 10 | 0 53 | 6 39 | 0 40 | 20 11 | 0 49 | 0 37 | 16 51 | 22 56 | 22 56 | 19 13 | 15 30 | 6 34 |
| S 4 | 22 41 | 6 17 | 5 16 | 21 55 | 1 57 | 20 22 | 1 38 | 23 25 | 0 49 | 11 10 | 1 15 | 15 8 | 0 53 | 6 39 | 0 40 | 20 11 | 0 49 | 0 38 | 16 51 | 22 56 | 22 56 | 19 11 | 15 30 | 6 34 |
| S 5 | 22 35 | 11 16 | 5 16 | 21 29 | 1 55 | 20 33 | 1 36 | 23 21 | 0 50 | 11 10 | 1 15 | 15 5 | 0 53 | 6 39 | 0 40 | 20 12 | 0 49 | 0 38 | 16 50 | 22 56 | 22 56 | 19 9 | 15 29 | 6 34 |
| M 6 | 22 29 | 15 54 | 5 0 | 21 3 | 1 53 | 20 44 | 1 34 | 23 17 | 0 50 | 11 11 | 1 15 | 15 3 | 0 53 | 6 39 | 0 40 | 20 12 | 0 49 | 0 38 | 16 50 | 22 56 | 22 57 | 19 6 | 15 28 | 6 34 |
| T 7 | 22 22 | 19 53 | 4 27 | 20 35 | 1 50 | 20 54 | 1 32 | 23 12 | 0 50 | 11 11 | 1 15 | 15 1 | 0 54 | 6 39 | 0 40 | 20 12 | 0 49 | 0 39 | 16 49 | 22 56 | 22 57 | 19 4 | 15 27 | 6 34 |
| W 8 | 22 15 | 22 54 | 3 38 | 20 7 | 1 46 | 21 4 | 1 30 | 23 8 | 0 51 | 11 12 | 1 14 | 14 59 | 0 54 | 6 40 | 0 40 | 20 12 | 0 49 | 0 39 | 16 49 | 22 56 | 22 57 | 19 2 | 15 27 | 6 34 |
| T 9 | 22 8 | 24 33 | 2 34 | 19 37 | 1 42 | 21 13 | 1 28 | 23 3 | 0 51 | 11 13 | 1 14 | 14 57 | 0 54 | 6 40 | 0 40 | 20 13 | 0 49 | 0 39 | 16 48 | 22 56 | 22 57 | 19 0 | 15 26 | 6 34 |
| F 10 | 22 0 | 24 33 | 1 18 | 19 7 | 1 37 | 21 22 | 1 26 | 22 58 | 0 52 | 11 14 | 1 14 | 14 55 | 0 54 | 6 40 | 0 40 | 20 13 | 0 49 | 0 40 | 16 47 | 22 56 | 22 58 | 18 58 | 15 25 | 6 34 |
| S 11 | 21 52 | 22 46 | 0n 5 | 18 35 | 1 32 | 21 30 | 1 23 | 22 53 | 0 52 | 11 15 | 1 13 | 14 53 | 0 54 | 6 41 | 0 40 | 20 13 | 0 49 | 0 40 | 16 47 | 22 55 | 22 58 | 18 56 | 15 24 | 6 34 |
| S 12 | 21 44 | 19 21 | 1 28 | 18 4 | 1 26 | 21 38 | 1 21 | 22 48 | 0 52 | 11 16 | 1 13 | 14 50 | 0 54 | 6 41 | 0 40 | 20 14 | 0 49 | 0 41 | 16 46 | 22 56 | 22 58 | 18 54 | 15 23 | 6 34 |
| M13 | 21 35 | 14 37 | 2 45 | 17 32 | 1 19 | 21 45 | 1 19 | 22 43 | 0 53 | 11 17 | 1 13 | 14 48 | 0 54 | 6 41 | 0 40 | 20 14 | 0 49 | 0 41 | 16 46 | 22 56 | 22 58 | 18 52 | 15 22 | 6 34 |
| T 14 | 21 26 | 9 2 | 3 49 | 16 59 | 1 12 | 21 51 | 1 17 | 22 37 | 0 53 | 11 18 | 1 13 | 14 46 | 0 54 | 6 42 | 0 40 | 20 14 | 0 49 | 0 41 | 16 45 | 22 56 | 22 59 | 18 49 | 15 22 | 6 34 |
| W15 | 21 16 | 3 3 | 4 37 | 16 26 | 1 4 | 21 57 | 1 14 | 22 31 | 0 54 | 11 19 | 1 12 | 14 44 | 0 54 | 6 42 | 0 40 | 20 15 | 0 49 | 0 42 | 16 45 | 22 56 | 22 59 | 18 47 | 15 21 | 6 34 |
| T 16 | 21 6 | 2n55 | 5 7 | 15 53 | 0 56 | 22 2 | 1 12 | 22 25 | 0 54 | 11 20 | 1 12 | 14 41 | 0 54 | 6 43 | 0 40 | 20 15 | 0 49 | 0 42 | 16 44 | 22 56 | 22 59 | 18 45 | 15 20 | 6 34 |
| F 17 | 20 56 | 8 34 | 5 17 | 15 20 | 0 47 | 22 7 | 1 9 | 22 19 | 0 54 | 11 22 | 1 12 | 14 39 | 0 54 | 6 43 | 0 39 | 20 15 | 0 49 | 0 43 | 16 44 | 22 56 | 22 59 | 18 43 | 15 19 | 6 34 |
| S 18 | 20 45 | 13 37 | 5 9 | 14 47 | 0 38 | 22 11 | 1 7 | 22 13 | 0 55 | 11 23 | 1 12 | 14 37 | 0 54 | 6 44 | 0 39 | 20 15 | 0 49 | 0 43 | 16 43 | 22 56 | 22 59 | 18 41 | 15 18 | 6 34 |
| S 19 | 20 34 | 17 54 | 4 45 | 14 14 | 0 28 | 22 14 | 1 5 | 22 6 | 0 55 | 11 24 | 1 11 | 14 34 | 0 54 | 6 44 | 0 39 | 20 16 | 0 49 | 0 44 | 16 43 | 22 56 | 23 0 | 18 39 | 15 17 | 6 34 |
| M20 | 20 23 | 21 14 | 4 8 | 13 40 | 0 18 | 22 17 | 1 2 | 22 0 | 0 55 | 11 26 | 1 11 | 14 32 | 0 54 | 6 45 | 0 39 | 20 16 | 0 49 | 0 44 | 16 42 | 22 56 | 23 0 | 18 37 | 15 16 | 6 34 |
| T 21 | 20 11 | 23 30 | 3 20 | 13 8 | 0 7 | 22 19 | 0 59 | 21 53 | 0 56 | 11 27 | 1 11 | 14 30 | 0 54 | 6 45 | 0 39 | 20 16 | 0 48 | 0 45 | 16 41 | 22 56 | 23 0 | 18 34 | 15 15 | 6 34 |
| W22 | 19 59 | 24 38 | 2 24 | 12 35 | 0s 4 | 22 20 | 0 57 | 21 46 | 0 56 | 11 29 | 1 11 | 14 27 | 0 54 | 6 46 | 0 39 | 20 17 | 0 48 | 0 45 | 16 41 | 22 56 | 23 0 | 18 32 | 15 14 | 6 34 |
| T 23 | 19 47 | 24 36 | 1 22 | 12 3 | 0 16 | 22 21 | 0 54 | 21 39 | 0 56 | 11 30 | 1 10 | 14 25 | 0 54 | 6 46 | 0 39 | 20 17 | 0 48 | 0 46 | 16 40 | 22 56 | 23 0 | 18 30 | 15 13 | 6 35 |
| F 24 | 19 35 | 23 26 | 0 18 | 11 31 | 0 27 | 22 22 | 0 52 | 21 31 | 0 57 | 11 32 | 1 10 | 14 23 | 0 54 | 6 47 | 0 39 | 20 17 | 0 48 | 0 46 | 16 40 | 22 56 | 23 1 | 18 28 | 15 12 | 6 35 |
| S 25 | 19 22 | 21 14 | 0s47 | 11 0 | 0 40 | 22 21 | 0 49 | 21 24 | 0 57 | 11 34 | 1 10 | 14 20 | 0 54 | 6 47 | 0 39 | 20 18 | 0 48 | 0 47 | 16 39 | 22 56 | 23 1 | 18 26 | 15 12 | 6 35 |
| S 26 | 19 8 | 18 8 | 1 50 | 10 30 | 0 52 | 22 20 | 0 46 | 21 16 | 0 57 | 11 35 | 1 10 | 14 18 | 0 54 | 6 48 | 0 39 | 20 18 | 0 48 | 0 47 | 16 39 | 22 56 | 23 1 | 18 24 | 15 11 | 6 35 |
| M27 | 18 55 | 14 19 | 2 48 | 10 1 | 1 5 | 22 19 | 0 44 | 21 8 | 0 58 | 11 37 | 1 9 | 14 15 | 0 54 | 6 49 | 0 39 | 20 18 | 0 48 | 0 48 | 16 38 | 22 56 | 23 1 | 18 22 | 15 10 | 6 35 |
| T 28 | 18 41 | 9 56 | 3 39 | 9 32 | 1 18 | 22 17 | 0 41 | 21 0 | 0 58 | 11 39 | 1 9 | 14 13 | 0 54 | 6 49 | 0 39 | 20 18 | 0 48 | 0 48 | 16 37 | 22 56 | 23 2 | 18 19 | 15 9 | 6 35 |
| W29 | 18 27 | 5 9 | 4 21 | 9 4 | 1 31 | 22 14 | 0 38 | 20 52 | 0 58 | 11 41 | 1 9 | 14 11 | 0 54 | 6 50 | 0 39 | 20 19 | 0 48 | 0 49 | 16 37 | 22 57 | 23 2 | 18 17 | 15 8 | 6 35 |
| T 30 | 18 12 | 0 9 | 4 51 | 8 38 | 1 45 | 22 10 | 0 36 | 20 44 | 0 59 | 11 43 | 1 9 | 14 8 | 0 54 | 6 51 | 0 39 | 20 19 | 0 48 | 0 49 | 16 36 | 22 57 | 23 2 | 18 15 | 15 7 | 6 36 |
| F 31 | 17n57 | 4s56 | 5s 9 | 8n12 | 1s58 | 22n 6 | 0s33 | 20n35 | 0n59 | 11s45 | 1n 9 | 14n 6 | 0n54 | 6s51 | 0n39 | 20s19 | 0n48 | 0s50 | 16n36 | 22s57 | 23s 2 | 18n13 | 15n 5 | 6s36 |

Julian Day Number = 2808933.5, Delta T = 52m34s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°26'15, Lahiri = 37°33'16


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# ASTRODIENST EPHEMERIS for the year 2978
# geocentric

## AUGUST 2978 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 40 28 | 9♌47'32 | 12♎58 | 4♍22 | 14♋34 | 2♌35 | 4♏12 | 24♌46 | 19♎11 | 24°R26 | 16♏53 | 9°R45 | 8♑32 | 0♌ 5 | 21♋34 | S 1 |
| S 2 | 20 44 24 | 10°44'49 | 25°41 | 4°50 | 15°47 | 3°15 | 4°18 | 24°54 | 19°13 | 24♑24 | 16°53 | 9♑42 | 8°29 | 0°11 | 21°40 | S 2 |
| M 3 | 20 48 21 | 11°42'06 | 8♏43 | 5°13 | 16°59 | 3°55 | 4°24 | 25° 1 | 19°15 | 24°23 | 16°53 | 9°D41 | 8°26 | 0°18 | 21°45 | M 3 |
| T 4 | 20 52 17 | 12°39'24 | 22° 6 | 5°31 | 18°12 | 4°34 | 4°30 | 25° 9 | 19°17 | 24°21 | 16°53 | 9°41 | 8°23 | 0°24 | 21°51 | T 4 |
| W 5 | 20 56 14 | 13°36'41 | 5♐52 | 5°45 | 19°24 | 5°14 | 4°36 | 25°16 | 19°19 | 24°20 | 16°54 | 9°43 | 8°20 | 0°31 | 21°57 | W 5 |
| T 6 | 21 0 10 | 14°33'59 | 20° 2 | 5°54 | 20°37 | 5°53 | 4°42 | 25°24 | 19°21 | 24°18 | 16°54 | 9°44 | 8°16 | 0°38 | 22° 2 | T 6 |
| F 7 | 21 4 7 | 15°31'17 | 4♑36 | 5°R58 | 21°49 | 6°32 | 4°48 | 25°32 | 19°23 | 24°17 | 16°54 | 9°R45 | 8°13 | 0°44 | 22° 8 | F 7 |
| S 8 | 21 8 3 | 16°28'36 | 19°29 | 5°57 | 23° 2 | 7°12 | 4°54 | 25°39 | 19°25 | 24°15 | 16°55 | 9°45 | 8°10 | 0°51 | 22°14 | S 8 |
| S 9 | 21 12 0 | 17°25'55 | 4♒35 | 5°52 | 24°15 | 7°51 | 5° 1 | 25°47 | 19°27 | 24°14 | 16°55 | 9°43 | 8° 7 | 0°58 | 22°19 | S 9 |
| M10 | 21 15 57 | 18°23'14 | 19°47 | 5°41 | 25°27 | 8°31 | 5° 8 | 25°55 | 19°29 | 24°13 | 16°56 | 9°39 | 8° 4 | 1° 4 | 22°25 | M10 |
| T 11 | 21 19 53 | 19°20'34 | 4♓53 | 5°25 | 26°40 | 9°10 | 5°15 | 26° 2 | 19°32 | 24°11 | 16°56 | 9°34 | 8° 1 | 1°11 | 22°30 | T 11 |
| W12 | 21 23 50 | 20°17'54 | 19°45 | 5° 5 | 27°53 | 9°49 | 5°22 | 26°10 | 19°34 | 24°10 | 16°57 | 9°28 | 7°57 | 1°18 | 22°36 | W12 |
| T 13 | 21 27 46 | 21°15'15 | 4♈14 | 4°39 | 29° 6 | 10°28 | 5°29 | 26°18 | 19°36 | 24° 8 | 16°57 | 9°22 | 7°54 | 1°24 | 22°41 | T 13 |
| F 14 | 21 31 43 | 22°12'37 | 18°17 | 4° 9 | 0♌19 | 11° 8 | 5°36 | 26°25 | 19°39 | 24° 7 | 16°58 | 9°17 | 7°51 | 1°31 | 22°46 | F 14 |
| S 15 | 21 35 39 | 23°10'01 | 1♉50 | 3°36 | 1°32 | 11°47 | 5°43 | 26°33 | 19°41 | 24° 5 | 16°59 | 9°13 | 7°48 | 1°38 | 22°52 | S 15 |
| S 16 | 21 39 36 | 24° 7'25 | 14°56 | 2°58 | 2°45 | 12°26 | 5°51 | 26°41 | 19°44 | 24° 4 | 16°59 | 9°11 | 7°45 | 1°44 | 22°57 | S 16 |
| M17 | 21 43 32 | 25° 4'50 | 27°37 | 2°17 | 3°58 | 13° 5 | 5°58 | 26°48 | 19°46 | 24° 3 | 17° 0 | 9°D11 | 7°42 | 1°51 | 23° 2 | M17 |
| T 18 | 21 47 29 | 26° 2'17 | 9♊57 | 1°34 | 5°11 | 13°44 | 6° 6 | 26°56 | 19°49 | 24° 1 | 17° 1 | 9°12 | 7°38 | 1°58 | 23° 8 | T 18 |
| W19 | 21 51 26 | 26°59'44 | 22° 2 | 0°49 | 6°24 | 14°23 | 6°14 | 27° 4 | 19°51 | 24° 0 | 17° 1 | 9°13 | 7°35 | 2° 4 | 23°13 | W19 |
| T 20 | 21 55 22 | 27°57'13 | 3♋56 | 0° 3 | 7°37 | 15° 2 | 6°22 | 27°12 | 19°54 | 23°59 | 17° 2 | 9°R14 | 7°32 | 2°11 | 23°18 | T 20 |
| F 21 | 21 59 19 | 28°54'43 | 15°45 | 29♌16 | 8°50 | 15°41 | 6°30 | 27°19 | 19°57 | 23°58 | 17° 3 | 9°14 | 7°29 | 2°18 | 23°23 | F 21 |
| S 22 | 22 3 15 | 29°52'14 | 27°32 | 28°30 | 10° 3 | 16°20 | 6°38 | 27°27 | 19°59 | 23°56 | 17° 4 | 9°12 | 7°26 | 2°24 | 23°29 | S 22 |
| S 23 | 22 7 12 | 0♍49'46 | 9♌20 | 27°45 | 11°16 | 16°59 | 6°46 | 27°35 | 20° 2 | 23°55 | 17° 5 | 9° 8 | 7°22 | 2°31 | 23°34 | S 23 |
| M24 | 22 11 8 | 1°47'19 | 21°13 | 27° 3 | 12°30 | 17°38 | 6°55 | 27°42 | 20° 5 | 23°54 | 17° 6 | 9° 2 | 7°19 | 2°38 | 23°39 | M24 |
| T 25 | 22 15 5 | 2°44'53 | 3♍12 | 26°24 | 13°43 | 18°17 | 7° 3 | 27°50 | 20° 8 | 23°53 | 17° 7 | 8°53 | 7°16 | 2°44 | 23°44 | T 25 |
| W26 | 22 19 1 | 3°42'28 | 15°20 | 25°49 | 14°56 | 18°56 | 7°12 | 27°58 | 20°11 | 23°52 | 17° 8 | 8°44 | 7°13 | 2°51 | 23°49 | W26 |
| T 27 | 22 22 58 | 4°40'04 | 27°37 | 25°18 | 16°10 | 19°34 | 7°21 | 28° 5 | 20°14 | 23°50 | 17° 9 | 8°33 | 7°10 | 2°58 | 23°54 | T 27 |
| F 28 | 22 26 55 | 5°37'41 | 10♎ 4 | 24°53 | 17°23 | 20°13 | 7°30 | 28°13 | 20°17 | 23°49 | 17°10 | 8°23 | 7° 7 | 3° 4 | 23°59 | F 28 |
| S 29 | 22 30 51 | 6°35'19 | 22°43 | 24°34 | 18°37 | 20°52 | 7°39 | 28°21 | 20°20 | 23°48 | 17°11 | 8°15 | 7° 3 | 3°11 | 24° 4 | S 29 |
| S 30 | 22 34 48 | 7°32'58 | 5♏34 | 24°21 | 19°50 | 21°31 | 7°48 | 28°28 | 20°23 | 23°47 | 17°12 | 8° 8 | 7° 0 | 3°18 | 24° 8 | S 30 |
| M31 | 22 38 44 | 8♍30'38 | 18♏40 | 24°D15 | 21♌ 4 | 22♌ 9 | 7♏57 | 28♌36 | 20♎26 | 23♑46 | 17♏13 | 8♑ 4 | 6♑57 | 3♌24 | 24♋13 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n42 | 9s54 | 5s13 | 7n48 | 2s12 | 22n 1 | 0s30 | 20n26 | 0n59 | 11s47 | 1n 8 | 14n 3 | 0n55 | 6s52 | 0n39 | 20s20 | 0n48 | 0s51 | 16n35 | 22s57 | 23s 2 | 18n11 | 15n 4 | 6s36 |
| S 2 | 17 27 | 14 33 | 5 1 | 7 25 | 2 26 | 21 56 | 0 27 | 20 18 | 1 0 | 11 49 | 1 8 | 14 1 | 0 55 | 6 53 | 0 39 | 20 20 | 0 48 | 0 51 | 16 34 | 22 58 | 23 3 | 18 8 | 15 3 | 6 36 |
| M 3 | 17 11 | 18 39 | 4 34 | 7 4 | 2 40 | 21 50 | 0 25 | 20 9 | 1 0 | 11 51 | 1 8 | 13 58 | 0 55 | 6 54 | 0 39 | 20 20 | 0 48 | 0 52 | 16 34 | 22 58 | 23 3 | 18 6 | 15 2 | 6 36 |
| T 4 | 16 55 | 21 55 | 3 51 | 6 45 | 2 54 | 21 43 | 0 22 | 20 0 | 1 0 | 11 53 | 1 8 | 13 56 | 0 55 | 6 54 | 0 39 | 20 20 | 0 48 | 0 52 | 16 33 | 22 58 | 23 3 | 18 4 | 15 1 | 6 37 |
| W 5 | 16 39 | 24 2 | 2 55 | 6 27 | 3 7 | 21 36 | 0 19 | 19 51 | 1 1 | 11 56 | 1 7 | 13 53 | 0 55 | 6 55 | 0 39 | 20 21 | 0 48 | 0 53 | 16 33 | 22 58 | 23 3 | 18 2 | 15 0 | 6 37 |
| T 6 | 16 23 | 24 42 | 1 46 | 6 11 | 3 20 | 21 28 | 0 16 | 19 41 | 1 1 | 11 58 | 1 7 | 13 51 | 0 55 | 6 56 | 0 39 | 20 21 | 0 48 | 0 54 | 16 32 | 22 57 | 23 3 | 18 0 | 14 59 | 6 37 |
| F 7 | 16 6 | 23 42 | 0 28 | 5 58 | 3 33 | 21 20 | 0 14 | 19 32 | 1 1 | 12 0 | 1 7 | 13 48 | 0 55 | 6 57 | 0 39 | 20 21 | 0 48 | 0 54 | 16 32 | 22 57 | 23 4 | 17 57 | 14 58 | 6 37 |
| S 8 | 15 49 | 21 2 | 0n53 | 5 46 | 3 46 | 21 11 | 0 11 | 19 22 | 1 2 | 12 2 | 1 7 | 13 46 | 0 55 | 6 58 | 0 39 | 20 22 | 0 48 | 0 55 | 16 31 | 22 57 | 23 4 | 17 55 | 14 57 | 6 37 |
| S 9 | 15 32 | 16 53 | 2 11 | 5 37 | 3 58 | 21 1 | 0 8 | 19 12 | 1 2 | 12 5 | 1 6 | 13 43 | 0 55 | 6 59 | 0 39 | 20 22 | 0 48 | 0 56 | 16 30 | 22 58 | 23 4 | 17 53 | 14 56 | 6 38 |
| M10 | 15 14 | 11 38 | 3 21 | 5 31 | 4 9 | 20 51 | 0 6 | 19 2 | 1 2 | 12 7 | 1 6 | 13 41 | 0 55 | 6 59 | 0 39 | 20 22 | 0 48 | 0 56 | 16 30 | 22 58 | 23 4 | 17 51 | 14 55 | 6 38 |
| T 11 | 14 57 | 5 42 | 4 15 | 5 26 | 4 20 | 20 40 | 0 3 | 18 52 | 1 2 | 12 10 | 1 6 | 13 38 | 0 55 | 7 0 | 0 39 | 20 22 | 0 48 | 0 57 | 16 29 | 22 58 | 23 4 | 17 48 | 14 54 | 6 38 |
| W12 | 14 39 | 0n27 | 4 52 | 5 25 | 4 30 | 20 28 | 0 0 | 18 42 | 1 3 | 12 12 | 1 6 | 13 36 | 0 55 | 7 1 | 0 38 | 20 23 | 0 48 | 0 58 | 16 29 | 22 59 | 23 5 | 17 46 | 14 53 | 6 38 |
| T 13 | 14 20 | 6 24 | 5 9 | 5 26 | 4 38 | 20 16 | 0n 2 | 18 32 | 1 3 | 12 15 | 1 6 | 13 33 | 0 55 | 7 2 | 0 38 | 20 23 | 0 48 | 0 59 | 16 28 | 22 59 | 23 5 | 17 44 | 14 51 | 6 39 |
| F 14 | 14 2 | 11 51 | 5 6 | 5 29 | 4 46 | 20 4 | 0 5 | 18 21 | 1 3 | 12 17 | 1 5 | 13 31 | 0 55 | 7 3 | 0 38 | 20 23 | 0 48 | 0 59 | 16 27 | 22 59 | 23 5 | 17 42 | 14 50 | 6 39 |
| S 15 | 13 43 | 16 31 | 4 46 | 5 36 | 4 52 | 19 50 | 0 8 | 18 11 | 1 4 | 12 20 | 1 5 | 13 28 | 0 55 | 7 4 | 0 38 | 20 23 | 0 48 | 1 0 | 16 27 | 23 0 | 23 5 | 17 40 | 14 49 | 6 39 |
| S 16 | 13 25 | 20 15 | 4 12 | 5 45 | 4 56 | 19 37 | 0 10 | 18 0 | 1 4 | 12 23 | 1 5 | 13 26 | 0 55 | 7 5 | 0 38 | 20 24 | 0 48 | 1 1 | 16 26 | 23 0 | 23 5 | 17 37 | 14 48 | 6 40 |
| M17 | 13 6 | 22 52 | 3 26 | 5 56 | 4 59 | 19 22 | 0 13 | 17 49 | 1 4 | 12 25 | 1 5 | 13 23 | 0 56 | 7 6 | 0 38 | 20 24 | 0 48 | 1 1 | 16 26 | 23 0 | 23 5 | 17 35 | 14 47 | 6 40 |
| T 18 | 12 46 | 24 20 | 2 32 | 6 10 | 5 1 | 19 7 | 0 16 | 17 39 | 1 4 | 12 28 | 1 5 | 13 20 | 0 56 | 7 7 | 0 38 | 20 24 | 0 48 | 1 2 | 16 25 | 23 0 | 23 6 | 17 33 | 14 46 | 6 40 |
| W19 | 12 27 | 24 36 | 1 32 | 6 26 | 5 0 | 18 52 | 0 18 | 17 28 | 1 5 | 12 31 | 1 4 | 13 18 | 0 56 | 7 8 | 0 38 | 20 24 | 0 48 | 1 3 | 16 25 | 23 0 | 23 6 | 17 31 | 14 45 | 6 41 |
| T 20 | 12 7 | 23 44 | 0 29 | 6 44 | 4 58 | 18 36 | 0 21 | 17 16 | 1 5 | 12 34 | 1 4 | 13 15 | 0 56 | 7 9 | 0 38 | 20 25 | 0 48 | 1 4 | 16 24 | 23 0 | 23 6 | 17 28 | 14 43 | 6 41 |
| F 21 | 11 47 | 21 48 | 0s35 | 7 4 | 4 54 | 18 20 | 0 23 | 17 5 | 1 5 | 12 36 | 1 4 | 13 13 | 0 56 | 7 10 | 0 38 | 20 25 | 0 48 | 1 4 | 16 23 | 23 0 | 23 6 | 17 26 | 14 42 | 6 41 |
| S 22 | 11 27 | 18 58 | 1 37 | 7 25 | 4 48 | 18 3 | 0 26 | 16 54 | 1 5 | 12 39 | 1 4 | 13 10 | 0 56 | 7 11 | 0 38 | 20 25 | 0 48 | 1 5 | 16 23 | 23 0 | 23 6 | 17 24 | 14 41 | 6 42 |
| S 23 | 11 7 | 15 20 | 2 35 | 7 48 | 4 40 | 17 45 | 0 28 | 16 42 | 1 6 | 12 42 | 1 4 | 13 8 | 0 56 | 7 12 | 0 38 | 20 25 | 0 48 | 1 6 | 16 22 | 23 0 | 23 7 | 17 22 | 14 40 | 6 42 |
| M24 | 10 47 | 11 6 | 3 26 | 8 11 | 4 31 | 17 27 | 0 30 | 16 31 | 1 6 | 12 45 | 1 3 | 13 5 | 0 56 | 7 13 | 0 38 | 20 26 | 0 48 | 1 7 | 16 22 | 23 0 | 23 7 | 17 19 | 14 39 | 6 42 |
| T 25 | 10 26 | 6 24 | 4 9 | 8 34 | 4 20 | 17 9 | 0 33 | 16 19 | 1 6 | 12 48 | 1 3 | 13 3 | 0 56 | 7 14 | 0 38 | 20 26 | 0 48 | 1 8 | 16 21 | 23 1 | 23 7 | 17 17 | 14 38 | 6 43 |
| W26 | 10 6 | 1 26 | 4 40 | 8 58 | 4 7 | 16 50 | 0 35 | 16 7 | 1 6 | 12 51 | 1 3 | 13 0 | 0 56 | 7 16 | 0 38 | 20 26 | 0 48 | 1 8 | 16 21 | 23 2 | 23 7 | 17 15 | 14 36 | 6 43 |
| T 27 | 9 45 | 3s38 | 4 59 | 9 21 | 3 54 | 16 30 | 0 37 | 15 55 | 1 7 | 12 54 | 1 3 | 12 57 | 0 56 | 7 17 | 0 38 | 20 26 | 0 48 | 1 9 | 16 20 | 23 2 | 23 7 | 17 12 | 14 35 | 6 43 |
| F 28 | 9 24 | 8 38 | 5 5 | 9 43 | 3 39 | 16 10 | 0 40 | 15 44 | 1 7 | 12 57 | 1 3 | 12 55 | 0 56 | 7 18 | 0 38 | 20 26 | 0 48 | 1 10 | 16 20 | 23 3 | 23 7 | 17 10 | 14 34 | 6 44 |
| S 29 | 9 3 | 13 22 | 4 55 | 10 4 | 3 23 | 15 50 | 0 42 | 15 31 | 1 7 | 13 0 | 1 2 | 12 52 | 0 57 | 7 19 | 0 38 | 20 27 | 0 48 | 1 11 | 16 19 | 23 3 | 23 8 | 17 8 | 14 33 | 6 44 |
| S 30 | 8 42 | 17 34 | 4 31 | 10 24 | 3 6 | 15 29 | 0 44 | 15 19 | 1 7 | 13 3 | 1 2 | 12 50 | 0 57 | 7 20 | 0 38 | 20 27 | 0 48 | 1 12 | 16 18 | 23 4 | 23 8 | 17 6 | 14 32 | 6 44 |
| M31 | 8n20 | 21s 0 | 3s52 | 10n43 | 2s49 | 15n 8 | 0n46 | 15n 7 | 1n 8 | 13s 6 | 1n 2 | 12n47 | 0n57 | 7s21 | 0n38 | 20s27 | 0n48 | 1s12 | 16n18 | 23s 4 | 23s 8 | 17n 3 | 14n30 | 6s45 |

Julian Day Number = 2808964.5, Delta T = 52m34s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°26'20, Lahiri = 37°33'20


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# ASTRODIENST EPHEMERIS for the year 2978
# geocentric

## SEPTEMBER 2978 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 42 41 | 9♍28'19 | 2♐ 1 | 24♌16 | 22♌17 | 22♌48 | 8♏ 6 | 28♌44 | 20♎29 | 23°R45 | 17♏14 | 8°R 3 | 6♑54 | 3♌31 | 24♋18 | T 1 |
| W 2 | 22 46 37 | 10°26'00 | 15°41 | 24°24 | 23°31 | 23°27 | 8°16 | 28°51 | 20°32 | 23♑44 | 17°16 | 8°D 2 | 6°51 | 3°38 | 24°23 | W 2 |
| T 3 | 22 50 34 | 11°23'43 | 29°39 | 24°40 | 24°44 | 24° 5 | 8°25 | 28°59 | 20°35 | 23°43 | 17°17 | 8♑ 3 | 6°48 | 3°44 | 24°27 | T 3 |
| F 4 | 22 54 30 | 12°21'27 | 13♑57 | 25° 3 | 25°58 | 24°44 | 8°35 | 29° 6 | 20°38 | 23°42 | 17°18 | 8°R 3 | 6°44 | 3°51 | 24°32 | F 4 |
| S 5 | 22 58 27 | 13°19'12 | 28°33 | 25°34 | 27°12 | 25°22 | 8°45 | 29°14 | 20°41 | 23°41 | 17°19 | 8° 2 | 6°41 | 3°58 | 24°36 | S 5 |
| S 6 | 23 2 24 | 14°16'58 | 13♒22 | 26°12 | 28°25 | 26° 1 | 8°54 | 29°22 | 20°44 | 23°40 | 17°21 | 7°58 | 6°38 | 4° 4 | 24°41 | S 6 |
| M 7 | 23 6 20 | 15°14'45 | 28°19 | 26°57 | 29°39 | 26°39 | 9° 4 | 29°29 | 20°48 | 23°40 | 17°22 | 7°51 | 6°35 | 4°11 | 24°45 | M 7 |
| T 8 | 23 10 17 | 16°12'33 | 13♓15 | 27°50 | 0♍53 | 27°18 | 9°14 | 29°37 | 20°51 | 23°39 | 17°23 | 7°43 | 6°32 | 4°18 | 24°50 | T 8 |
| W 9 | 23 14 13 | 17°10'23 | 28° 1 | 28°50 | 2° 7 | 27°56 | 9°24 | 29°44 | 20°54 | 23°38 | 17°25 | 7°32 | 6°28 | 4°24 | 24°54 | W 9 |
| T 10 | 23 18 10 | 18° 8'14 | 12♈29 | 29°56 | 3°20 | 28°35 | 9°34 | 29°52 | 20°58 | 23°37 | 17°26 | 7°22 | 6°25 | 4°31 | 24°58 | T 10 |
| F 11 | 23 22 6 | 19° 6'06 | 26°33 | 1♍ 8 | 4°34 | 29°13 | 9°45 | 29°59 | 21° 1 | 23°36 | 17°28 | 7°13 | 6°22 | 4°38 | 25° 3 | F 11 |
| S 12 | 23 26 3 | 20° 4'01 | 10♉ 9 | 2°27 | 5°48 | 29°52 | 9°55 | 0♍ 6 | 21° 4 | 23°36 | 17°29 | 7° 5 | 6°19 | 4°44 | 25° 7 | S 12 |
| S 13 | 23 29 59 | 21° 1'57 | 23°18 | 3°51 | 7° 2 | 0♍30 | 10° 5 | 0°14 | 21° 8 | 23°35 | 17°31 | 7° 0 | 6°16 | 4°51 | 25°11 | S 13 |
| M14 | 23 33 56 | 21°59'54 | 6♊ 1 | 5°20 | 8°16 | 1° 8 | 10°16 | 0°21 | 21°11 | 23°34 | 17°32 | 6°57 | 6°13 | 4°57 | 25°15 | M14 |
| T 15 | 23 37 52 | 22°57'54 | 18°23 | 6°54 | 9°30 | 1°46 | 10°26 | 0°29 | 21°14 | 23°34 | 17°34 | 6°D56 | 6° 9 | 5° 4 | 25°19 | T 15 |
| W16 | 23 41 49 | 23°55'56 | 0♋28 | 8°32 | 10°44 | 2°25 | 10°37 | 0°36 | 21°18 | 23°33 | 17°36 | 6°R56 | 6° 6 | 5°11 | 25°23 | W16 |
| T 17 | 23 45 46 | 24°53'59 | 12°23 | 10°14 | 11°58 | 3° 3 | 10°48 | 0°43 | 21°21 | 23°33 | 17°37 | 6°56 | 6° 3 | 5°17 | 25°27 | T 17 |
| F 18 | 23 49 42 | 25°52'04 | 24°11 | 11°58 | 13°12 | 3°41 | 10°59 | 0°50 | 21°25 | 23°32 | 17°39 | 6°55 | 6° 0 | 5°24 | 25°31 | F 18 |
| S 19 | 23 53 39 | 26°50'11 | 5♌59 | 13°46 | 14°27 | 4°19 | 11°10 | 0°58 | 21°28 | 23°31 | 17°41 | 6°51 | 5°57 | 5°31 | 25°34 | S 19 |
| S 20 | 23 57 35 | 27°48'20 | 17°50 | 15°36 | 15°41 | 4°58 | 11°21 | 1° 5 | 21°32 | 23°31 | 17°42 | 6°46 | 5°53 | 5°37 | 25°38 | S 20 |
| M21 | 0 1 32 | 28°46'30 | 29°49 | 17°27 | 16°55 | 5°36 | 11°32 | 1°12 | 21°36 | 23°30 | 17°44 | 6°37 | 5°50 | 5°44 | 25°42 | M21 |
| T 22 | 0 5 28 | 29°44'43 | 11♍58 | 19°20 | 18° 9 | 6°14 | 11°43 | 1°19 | 21°39 | 23°30 | 17°46 | 6°26 | 5°47 | 5°51 | 25°45 | T 22 |
| W23 | 0 9 25 | 0♎42'57 | 24°18 | 21°14 | 19°23 | 6°52 | 11°54 | 1°26 | 21°43 | 23°30 | 17°48 | 6°13 | 5°44 | 5°57 | 25°49 | W23 |
| T 24 | 0 13 21 | 1°41'12 | 6♎51 | 23° 8 | 20°38 | 7°30 | 12° 5 | 1°33 | 21°46 | 23°29 | 17°49 | 6° 0 | 5°41 | 6° 4 | 25°52 | T 24 |
| F 25 | 0 17 18 | 2°39'30 | 19°36 | 25° 3 | 21°52 | 8° 8 | 12°17 | 1°40 | 21°50 | 23°29 | 17°51 | 5°47 | 5°38 | 6°11 | 25°56 | F 25 |
| S 26 | 0 21 15 | 3°37'49 | 2♏33 | 26°58 | 23° 6 | 8°46 | 12°28 | 1°47 | 21°54 | 23°29 | 17°53 | 5°35 | 5°34 | 6°17 | 25°59 | S 26 |
| S 27 | 0 25 11 | 4°36'10 | 15°41 | 28°53 | 24°21 | 9°24 | 12°39 | 1°54 | 21°57 | 23°28 | 17°55 | 5°26 | 5°31 | 6°24 | 26° 2 | S 27 |
| M28 | 0 29 8 | 5°34'32 | 29° 0 | 0♎47 | 25°35 | 10° 2 | 12°51 | 2° 1 | 22° 1 | 23°28 | 17°57 | 5°20 | 5°28 | 6°31 | 26° 5 | M28 |
| T 29 | 0 33 4 | 6°32'56 | 12♐31 | 2°41 | 26°50 | 10°40 | 13° 2 | 2° 8 | 22° 5 | 23°28 | 17°59 | 5°17 | 5°25 | 6°37 | 26° 8 | T 29 |
| W30 | 0 37 1 | 7♎31'22 | 26♐13 | 4♎35 | 28♍ 4 | 11♍18 | 13♏14 | 2♍15 | 22♎ 8 | 23♑28 | 18♏ 1 | 5♑16 | 5♑22 | 6♌44 | 26♋11 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n59 | 23s24 | 3s 0 | 10n59 | 2s31 | 14n46 | 0n48 | 14n55 | 1n 8 | 13s10 | 1n 2 | 12n45 | 0n57 | 7s22 | 0n38 | 20s27 | 0n48 | 1s13 | 16n17 | 23s 4 | 23s 8 | 17n 1 | 14n29 | 6s45 |
| W 2 | 7 37 | 24 29 | 1 57 | 11 13 | 2 13 | 14 24 | 0 50 | 14 42 | 1 8 | 13 13 | 1 2 | 12 42 | 0 57 | 7 24 | 0 38 | 20 28 | 0 48 | 1 14 | 16 17 | 23 4 | 23 8 | 16 59 | 14 28 | 6 46 |
| T 3 | 7 15 | 24 3 | 0 45 | 11 25 | 1 55 | 14 2 | 0 52 | 14 30 | 1 8 | 13 16 | 1 1 | 12 40 | 0 57 | 7 25 | 0 38 | 20 28 | 0 48 | 1 15 | 16 16 | 23 4 | 23 8 | 16 56 | 14 27 | 6 46 |
| F 4 | 6 53 | 22 4 | 0n31 | 11 34 | 1 38 | 13 39 | 0 54 | 14 17 | 1 8 | 13 19 | 1 1 | 12 37 | 0 57 | 7 26 | 0 38 | 20 28 | 0 48 | 1 16 | 16 16 | 23 4 | 23 9 | 16 54 | 14 26 | 6 47 |
| S 5 | 6 31 | 18 36 | 1 47 | 11 41 | 1 20 | 13 16 | 0 56 | 14 4 | 1 9 | 13 22 | 1 1 | 12 34 | 0 57 | 7 27 | 0 38 | 20 28 | 0 47 | 1 17 | 16 15 | 23 4 | 23 9 | 16 52 | 14 25 | 6 47 |
| S 6 | 6 9 | 13 54 | 2 56 | 11 44 | 1 3 | 12 52 | 0 58 | 13 52 | 1 9 | 13 26 | 1 1 | 12 32 | 0 57 | 7 28 | 0 38 | 20 28 | 0 47 | 1 17 | 16 15 | 23 5 | 23 9 | 16 50 | 14 23 | 6 47 |
| M 7 | 5 47 | 8 20 | 3 54 | 11 45 | 0 46 | 12 28 | 1 0 | 13 39 | 1 9 | 13 29 | 1 1 | 12 29 | 0 57 | 7 30 | 0 38 | 20 28 | 0 47 | 1 18 | 16 14 | 23 5 | 23 9 | 16 47 | 14 22 | 6 48 |
| T 8 | 5 25 | 2 18 | 4 36 | 11 42 | 0 30 | 12 4 | 1 2 | 13 26 | 1 9 | 13 32 | 1 1 | 12 27 | 0 58 | 7 31 | 0 38 | 20 29 | 0 47 | 1 19 | 16 14 | 23 5 | 23 9 | 16 45 | 14 21 | 6 48 |
| W 9 | 5 2 | 3n47 | 4 58 | 11 36 | 0 14 | 11 39 | 1 3 | 13 13 | 1 10 | 13 36 | 1 0 | 12 24 | 0 58 | 7 32 | 0 38 | 20 29 | 0 47 | 1 20 | 16 13 | 23 6 | 23 9 | 16 43 | 14 20 | 6 49 |
| T 10 | 4 40 | 9 32 | 5 1 | 11 27 | 0n 1 | 11 14 | 1 5 | 13 0 | 1 10 | 13 39 | 1 0 | 12 22 | 0 58 | 7 33 | 0 38 | 20 29 | 0 47 | 1 21 | 16 13 | 23 7 | 23 9 | 16 40 | 14 19 | 6 49 |
| F 11 | 4 17 | 14 37 | 4 46 | 11 15 | 0 15 | 10 49 | 1 7 | 12 47 | 1 10 | 13 42 | 1 0 | 12 19 | 0 58 | 7 35 | 0 38 | 20 29 | 0 47 | 1 22 | 16 12 | 23 7 | 23 10 | 16 38 | 14 17 | 6 50 |
| S 12 | 3 55 | 18 48 | 4 14 | 10 59 | 0 28 | 10 23 | 1 8 | 12 33 | 1 10 | 13 46 | 1 0 | 12 17 | 0 58 | 7 36 | 0 38 | 20 29 | 0 47 | 1 22 | 16 12 | 23 7 | 23 10 | 16 36 | 14 16 | 6 50 |
| S 13 | 3 32 | 21 53 | 3 30 | 10 40 | 0 40 | 9 58 | 1 10 | 12 20 | 1 10 | 13 49 | 1 0 | 12 14 | 0 58 | 7 37 | 0 38 | 20 29 | 0 47 | 1 23 | 16 11 | 23 8 | 23 10 | 16 33 | 14 15 | 6 51 |
| M14 | 3 9 | 23 46 | 2 36 | 10 18 | 0 51 | 9 31 | 1 11 | 12 7 | 1 10 | 13 53 | 1 0 | 12 12 | 0 58 | 7 38 | 0 38 | 20 30 | 0 47 | 1 24 | 16 11 | 23 8 | 23 10 | 16 31 | 14 14 | 6 51 |
| T 15 | 2 47 | 24 25 | 1 37 | 9 53 | 1 2 | 9 5 | 1 12 | 11 53 | 1 11 | 13 56 | 0 59 | 12 9 | 0 58 | 7 40 | 0 38 | 20 30 | 0 47 | 1 25 | 16 10 | 23 8 | 23 10 | 16 29 | 14 13 | 6 52 |
| W16 | 2 24 | 23 53 | 0 34 | 9 25 | 1 11 | 8 38 | 1 14 | 11 40 | 1 11 | 13 59 | 0 59 | 12 7 | 0 58 | 7 41 | 0 38 | 20 30 | 0 47 | 1 26 | 16 10 | 23 8 | 23 10 | 16 26 | 14 11 | 6 52 |
| T 17 | 2 1 | 22 16 | 0s29 | 8 55 | 1 19 | 8 11 | 1 15 | 11 26 | 1 11 | 14 3 | 0 59 | 12 4 | 0 58 | 7 42 | 0 37 | 20 30 | 0 47 | 1 27 | 16 10 | 23 8 | 23 11 | 16 24 | 14 10 | 6 53 |
| F 18 | 1 38 | 19 41 | 1 30 | 8 21 | 1 26 | 7 44 | 1 16 | 11 13 | 1 11 | 14 6 | 0 59 | 12 2 | 0 59 | 7 44 | 0 37 | 20 30 | 0 47 | 1 28 | 16 9 | 23 8 | 23 11 | 16 22 | 14 9 | 6 53 |
| S 19 | 1 15 | 16 18 | 2 28 | 7 46 | 1 32 | 7 17 | 1 17 | 10 59 | 1 11 | 14 10 | 0 59 | 11 59 | 0 59 | 7 45 | 0 37 | 20 30 | 0 47 | 1 28 | 16 9 | 23 8 | 23 11 | 16 19 | 14 8 | 6 54 |
| S 20 | 0 52 | 12 15 | 3 19 | 7 8 | 1 37 | 6 49 | 1 18 | 10 45 | 1 12 | 14 13 | 0 59 | 11 57 | 0 59 | 7 46 | 0 37 | 20 30 | 0 47 | 1 29 | 16 8 | 23 8 | 23 11 | 16 17 | 14 7 | 6 54 |
| M21 | 0 29 | 7 42 | 4 1 | 6 29 | 1 41 | 6 21 | 1 19 | 10 31 | 1 12 | 14 17 | 0 59 | 11 55 | 0 59 | 7 48 | 0 37 | 20 30 | 0 47 | 1 30 | 16 8 | 23 9 | 23 11 | 16 15 | 14 6 | 6 55 |
| T 22 | 0 6 | 2 49 | 4 34 | 5 48 | 1 44 | 5 53 | 1 20 | 10 18 | 1 12 | 14 20 | 0 58 | 11 52 | 0 59 | 7 49 | 0 37 | 20 31 | 0 47 | 1 31 | 16 7 | 23 9 | 23 11 | 16 12 | 14 4 | 6 55 |
| W23 | 0s17 | 2s15 | 4 54 | 5 5 | 1 46 | 5 25 | 1 21 | 10 4 | 1 12 | 14 24 | 0 58 | 11 50 | 0 59 | 7 50 | 0 37 | 20 31 | 0 47 | 1 32 | 16 7 | 23 10 | 23 11 | 16 10 | 14 3 | 6 56 |
| T 24 | 0 40 | 7 18 | 5 0 | 4 21 | 1 47 | 4 57 | 1 22 | 9 50 | 1 12 | 14 27 | 0 58 | 11 47 | 0 59 | 7 52 | 0 37 | 20 31 | 0 47 | 1 33 | 16 6 | 23 11 | 23 12 | 16 8 | 14 2 | 6 56 |
| F 25 | 1 3 | 12 7 | 4 52 | 3 37 | 1 48 | 4 28 | 1 23 | 9 36 | 1 12 | 14 31 | 0 58 | 11 45 | 0 59 | 7 53 | 0 37 | 20 31 | 0 47 | 1 34 | 16 6 | 23 11 | 23 12 | 16 5 | 14 1 | 6 57 |
| S 26 | 1 26 | 16 29 | 4 28 | 2 51 | 1 48 | 4 0 | 1 23 | 9 22 | 1 13 | 14 35 | 0 58 | 11 43 | 1 0 | 7 54 | 0 37 | 20 31 | 0 47 | 1 34 | 16 6 | 23 12 | 23 12 | 16 3 | 14 0 | 6 58 |
| S 27 | 1 49 | 20 7 | 3 50 | 2 5 | 1 47 | 3 31 | 1 24 | 9 8 | 1 13 | 14 38 | 0 58 | 11 40 | 1 0 | 7 56 | 0 37 | 20 31 | 0 47 | 1 35 | 16 5 | 23 12 | 23 12 | 16 1 | 13 59 | 6 58 |
| M28 | 2 12 | 22 45 | 2 59 | 1 18 | 1 45 | 3 2 | 1 24 | 8 54 | 1 13 | 14 42 | 0 58 | 11 38 | 1 0 | 7 57 | 0 37 | 20 31 | 0 47 | 1 36 | 16 5 | 23 12 | 23 12 | 15 58 | 13 58 | 6 59 |
| T 29 | 2 35 | 24 7 | 1 57 | 0 31 | 1 43 | 2 33 | 1 25 | 8 39 | 1 13 | 14 45 | 0 58 | 11 36 | 1 0 | 7 59 | 0 37 | 20 31 | 0 47 | 1 37 | 16 5 | 23 12 | 23 12 | 15 56 | 13 56 | 6 59 |
| W30 | 2s58 | 24s 3 | 0s48 | 0s17 | 1n40 | 2n 4 | 1n25 | 8n25 | 1n13 | 14s49 | 0n57 | 11n33 | 1n 0 | 8s 0 | 0n37 | 20s31 | 0n47 | 1s38 | 16n 4 | 23s13 | 23s12 | 15n53 | 13n55 | 7s 0 |

Julian Day Number = 2808995.5, Delta T = 52m35s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°26'24, Lahiri = 37°33'24


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# ASTRODIENST EPHEMERIS for the year 2978
# geocentric

## OCTOBER 2978 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 40 57 | 8♎29'49 | 10♑ 7 | 6♎28 | 29♍18 | 11♍56 | 13♏26 | 2♍21 | 22♎12 | 23°R28 | 18♏ 3 | 5°R16 | 5♑19 | 6♌51 | 26♋14 | T 1 |
| F 2 | 0 44 54 | 9°28'18 | 24°13 | 8°20 | 0♎33 | 12°34 | 13°38 | 2°28 | 22°16 | 23♑28 | 18° 5 | 5♑16 | 5°15 | 6°57 | 26°17 | F 2 |
| S 3 | 0 48 50 | 10°26'48 | 8♒31 | 10°11 | 1°47 | 13°11 | 13°49 | 2°35 | 22°19 | 23°27 | 18° 7 | 5°14 | 5°12 | 7° 4 | 26°20 | S 3 |
| S 4 | 0 52 47 | 11°25'19 | 22°59 | 12° 1 | 3° 2 | 13°49 | 14° 1 | 2°41 | 22°23 | 23°27 | 18° 9 | 5° 9 | 5° 9 | 7°11 | 26°23 | S 4 |
| M 5 | 0 56 44 | 12°23'52 | 7♓32 | 13°50 | 4°16 | 14°27 | 14°13 | 2°48 | 22°27 | 23°D27 | 18°11 | 5° 2 | 5° 6 | 7°17 | 26°26 | M 5 |
| T 6 | 1 0 40 | 13°22'27 | 22° 5 | 15°39 | 5°31 | 15° 5 | 14°25 | 2°54 | 22°31 | 23°27 | 18°13 | 4°53 | 5° 3 | 7°24 | 26°28 | T 6 |
| W 7 | 1 4 37 | 14°21'04 | 6♈32 | 17°26 | 6°46 | 15°42 | 14°37 | 3° 1 | 22°34 | 23°27 | 18°15 | 4°41 | 4°59 | 7°31 | 26°31 | W 7 |
| T 8 | 1 8 33 | 15°19'42 | 20°45 | 19°13 | 8° 0 | 16°20 | 14°49 | 3° 7 | 22°38 | 23°28 | 18°17 | 4°30 | 4°56 | 7°37 | 26°33 | T 8 |
| F 9 | 1 12 30 | 16°18'22 | 4♉38 | 20°58 | 9°15 | 16°58 | 15° 2 | 3°14 | 22°42 | 23°28 | 18°19 | 4°19 | 4°53 | 7°44 | 26°35 | F 9 |
| S 10 | 1 16 26 | 17°17'05 | 18° 9 | 22°43 | 10°30 | 17°35 | 15°14 | 3°20 | 22°46 | 23°28 | 18°21 | 4°10 | 4°50 | 7°51 | 26°38 | S 10 |
| S 11 | 1 20 23 | 18°15'50 | 1♊16 | 24°26 | 11°44 | 18°13 | 15°26 | 3°26 | 22°50 | 23°28 | 18°24 | 4° 3 | 4°47 | 7°57 | 26°40 | S 11 |
| M12 | 1 24 19 | 19°14'36 | 13°59 | 26° 9 | 12°59 | 18°51 | 15°38 | 3°32 | 22°53 | 23°28 | 18°26 | 3°59 | 4°44 | 8° 4 | 26°42 | M12 |
| T 13 | 1 28 16 | 20°13'25 | 26°22 | 27°50 | 14°14 | 19°28 | 15°51 | 3°38 | 22°57 | 23°29 | 18°28 | 3°58 | 4°40 | 8°11 | 26°44 | T 13 |
| W14 | 1 32 12 | 21°12'16 | 8♋28 | 29°31 | 15°28 | 20° 6 | 16° 3 | 3°44 | 23° 1 | 23°29 | 18°30 | 3°D58 | 4°37 | 8°17 | 26°46 | W14 |
| T 15 | 1 36 9 | 22°11'10 | 20°24 | 1♏11 | 16°43 | 20°43 | 16°15 | 3°50 | 23° 5 | 23°29 | 18°32 | 3°R58 | 4°34 | 8°24 | 26°48 | T 15 |
| F 16 | 1 40 6 | 23°10'05 | 2♌14 | 2°50 | 17°58 | 21°21 | 16°28 | 3°56 | 23° 8 | 23°30 | 18°35 | 3°58 | 4°31 | 8°31 | 26°50 | F 16 |
| S 17 | 1 44 2 | 24° 9'03 | 14° 3 | 4°28 | 19°13 | 21°58 | 16°40 | 4° 2 | 23°12 | 23°30 | 18°37 | 3°56 | 4°28 | 8°37 | 26°52 | S 17 |
| S 18 | 1 47 59 | 25° 8'03 | 25°57 | 6° 5 | 20°27 | 22°36 | 16°53 | 4° 8 | 23°16 | 23°30 | 18°39 | 3°51 | 4°25 | 8°44 | 26°53 | S 18 |
| M19 | 1 51 55 | 26° 7'05 | 8♍ 1 | 7°42 | 21°42 | 23°13 | 17° 5 | 4°14 | 23°20 | 23°31 | 18°41 | 3°45 | 4°21 | 8°51 | 26°55 | M19 |
| T 20 | 1 55 52 | 27° 6'09 | 20°17 | 9°17 | 22°57 | 23°51 | 17°18 | 4°20 | 23°24 | 23°31 | 18°44 | 3°35 | 4°18 | 8°57 | 26°56 | T 20 |
| W21 | 1 59 48 | 28° 5'15 | 2♎48 | 10°52 | 24°12 | 24°28 | 17°31 | 4°25 | 23°27 | 23°32 | 18°46 | 3°25 | 4°15 | 9° 4 | 26°58 | W21 |
| T 22 | 2 3 45 | 29° 4'24 | 15°36 | 12°26 | 25°27 | 25° 6 | 17°43 | 4°31 | 23°31 | 23°32 | 18°48 | 3°13 | 4°12 | 9°11 | 26°59 | T 22 |
| F 23 | 2 7 41 | 0♏ 3'34 | 28°40 | 14° 0 | 26°42 | 25°43 | 17°56 | 4°36 | 23°35 | 23°33 | 18°50 | 3° 2 | 4° 9 | 9°17 | 27° 0 | F 23 |
| S 24 | 2 11 38 | 1° 2'47 | 11♏59 | 15°32 | 27°57 | 26°20 | 18° 9 | 4°42 | 23°39 | 23°34 | 18°53 | 2°52 | 4° 5 | 9°24 | 27° 2 | S 24 |
| S 25 | 2 15 35 | 2° 2'01 | 25°30 | 17° 4 | 29°12 | 26°58 | 18°22 | 4°47 | 23°43 | 23°34 | 18°55 | 2°44 | 4° 2 | 9°31 | 27° 3 | S 25 |
| M26 | 2 19 31 | 3° 1'18 | 9♐13 | 18°35 | 0♏27 | 27°35 | 18°34 | 4°52 | 23°46 | 23°35 | 18°57 | 2°40 | 3°59 | 9°37 | 27° 4 | M26 |
| T 27 | 2 23 28 | 4° 0'36 | 23° 3 | 20° 5 | 1°42 | 28°12 | 18°47 | 4°57 | 23°50 | 23°36 | 19° 0 | 2°37 | 3°56 | 9°44 | 27° 4 | T 27 |
| W28 | 2 27 24 | 4°59'56 | 7♑ 0 | 21°35 | 2°56 | 28°49 | 19° 0 | 5° 2 | 23°54 | 23°36 | 19° 2 | 2°D37 | 3°53 | 9°51 | 27° 5 | W28 |
| T 29 | 2 31 21 | 5°59'18 | 21° 2 | 23° 3 | 4°11 | 29°27 | 19°13 | 5° 7 | 23°58 | 23°37 | 19° 5 | 2°38 | 3°50 | 9°57 | 27° 6 | T 29 |
| F 30 | 2 35 17 | 6°58'42 | 5♒ 8 | 24°32 | 5°26 | 0♎ 4 | 19°26 | 5°12 | 24° 1 | 23°38 | 19° 7 | 2°R38 | 3°46 | 10° 4 | 27° 7 | F 30 |
| S 31 | 2 39 14 | 7♏58'07 | 19♒17 | 25♏59 | 6♏41 | 0♎41 | 19♏39 | 5♍17 | 24♎ 5 | 23♑39 | 19♏ 9 | 2♑38 | 3♑43 | 10♌11 | 27♋ 7 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 3s21 | 22s30 | 0n26 | 1s 4 | 1n37 | 1n35 | 1n26 | 8n11 | 1n13 | 14s53 | 0n57 | 11n31 | 1n 0 | 8s 1 | 0n37 | 20s31 | 0n47 | 1s39 | 16n 4 | 23s13 | 23s12 | 15n51 | 13n54 | 7s 0 |
| F 2 | 3 44 | 19 32 | 1 38 | 1 51 | 1 33 | 1 6 | 1 26 | 7 57 | 1 14 | 14 56 | 0 57 | 11 29 | 1 0 | 8 3 | 0 37 | 20 31 | 0 47 | 1 40 | 16 3 | 23 13 | 23 13 | 15 49 | 13 53 | 7 1 |
| S 3 | 4 7 | 15 22 | 2 46 | 2 39 | 1 29 | 0 37 | 1 26 | 7 42 | 1 14 | 15 0 | 0 57 | 11 27 | 1 1 | 8 4 | 0 37 | 20 31 | 0 47 | 1 40 | 16 3 | 23 13 | 23 13 | 15 46 | 13 52 | 7 2 |
| S 4 | 4 30 | 10 15 | 3 44 | 3 26 | 1 25 | 0 7 | 1 26 | 7 28 | 1 14 | 15 3 | 0 57 | 11 24 | 1 1 | 8 6 | 0 37 | 20 31 | 0 47 | 1 41 | 16 3 | 23 13 | 23 13 | 15 44 | 13 51 | 7 2 |
| M 5 | 4 52 | 4 33 | 4 27 | 4 12 | 1 20 | 0s22 | 1 26 | 7 14 | 1 14 | 15 7 | 0 57 | 11 22 | 1 1 | 8 7 | 0 37 | 20 31 | 0 46 | 1 42 | 16 2 | 23 13 | 23 13 | 15 42 | 13 50 | 7 3 |
| T 6 | 5 15 | 1n23 | 4 53 | 4 59 | 1 15 | 0 51 | 1 26 | 6 59 | 1 14 | 15 11 | 0 57 | 11 20 | 1 1 | 8 8 | 0 37 | 20 31 | 0 46 | 1 43 | 16 2 | 23 13 | 23 13 | 15 39 | 13 49 | 7 3 |
| W 7 | 5 38 | 7 11 | 5 1 | 5 45 | 1 9 | 1 21 | 1 26 | 6 45 | 1 14 | 15 14 | 0 57 | 11 18 | 1 1 | 8 10 | 0 37 | 20 31 | 0 46 | 1 44 | 16 2 | 23 14 | 23 13 | 15 37 | 13 48 | 7 4 |
| T 8 | 6 0 | 12 31 | 4 49 | 6 30 | 1 3 | 1 50 | 1 26 | 6 30 | 1 14 | 15 18 | 0 56 | 11 16 | 1 1 | 8 11 | 0 37 | 20 31 | 0 46 | 1 45 | 16 1 | 23 14 | 23 13 | 15 34 | 13 47 | 7 5 |
| F 9 | 6 23 | 17 5 | 4 20 | 7 15 | 0 57 | 2 20 | 1 26 | 6 16 | 1 15 | 15 22 | 0 56 | 11 13 | 1 1 | 8 13 | 0 37 | 20 32 | 0 46 | 1 46 | 16 1 | 23 15 | 23 13 | 15 32 | 13 46 | 7 5 |
| S 10 | 6 45 | 20 38 | 3 37 | 8 0 | 0 51 | 2 49 | 1 26 | 6 1 | 1 15 | 15 25 | 0 56 | 11 11 | 1 2 | 8 14 | 0 37 | 20 32 | 0 46 | 1 46 | 16 1 | 23 15 | 23 14 | 15 30 | 13 45 | 7 6 |
| S 11 | 7 7 | 22 59 | 2 44 | 8 43 | 0 45 | 3 18 | 1 25 | 5 47 | 1 15 | 15 29 | 0 56 | 11 9 | 1 2 | 8 15 | 0 37 | 20 32 | 0 46 | 1 47 | 16 0 | 23 15 | 23 14 | 15 27 | 13 44 | 7 6 |
| M12 | 7 30 | 24 5 | 1 44 | 9 27 | 0 38 | 3 48 | 1 25 | 5 32 | 1 15 | 15 32 | 0 56 | 11 7 | 1 2 | 8 17 | 0 37 | 20 32 | 0 46 | 1 48 | 16 0 | 23 15 | 23 14 | 15 25 | 13 43 | 7 7 |
| T 13 | 7 52 | 23 56 | 0 40 | 10 9 | 0 32 | 4 17 | 1 25 | 5 18 | 1 15 | 15 36 | 0 56 | 11 5 | 1 2 | 8 18 | 0 37 | 20 32 | 0 46 | 1 49 | 16 0 | 23 15 | 23 14 | 15 22 | 13 42 | 7 8 |
| W14 | 8 14 | 22 39 | 0s24 | 10 51 | 0 25 | 4 46 | 1 24 | 5 3 | 1 15 | 15 40 | 0 56 | 11 3 | 1 2 | 8 20 | 0 37 | 20 31 | 0 46 | 1 50 | 16 0 | 23 15 | 23 14 | 15 20 | 13 41 | 7 8 |
| T 15 | 8 36 | 20 21 | 1 26 | 11 32 | 0 18 | 5 15 | 1 24 | 4 49 | 1 15 | 15 43 | 0 56 | 11 1 | 1 2 | 8 21 | 0 37 | 20 31 | 0 46 | 1 50 | 15 59 | 23 15 | 23 14 | 15 18 | 13 40 | 7 9 |
| F 16 | 8 57 | 17 13 | 2 24 | 12 13 | 0 11 | 5 44 | 1 23 | 4 34 | 1 15 | 15 47 | 0 56 | 10 59 | 1 2 | 8 22 | 0 37 | 20 31 | 0 46 | 1 51 | 15 59 | 23 15 | 23 14 | 15 15 | 13 39 | 7 10 |
| S 17 | 9 19 | 13 23 | 3 16 | 12 53 | 0 4 | 6 13 | 1 22 | 4 19 | 1 15 | 15 51 | 0 56 | 10 57 | 1 3 | 8 24 | 0 37 | 20 31 | 0 46 | 1 52 | 15 59 | 23 15 | 23 14 | 15 13 | 13 38 | 7 10 |
| S 18 | 9 41 | 9 2 | 4 0 | 13 31 | 0s 3 | 6 41 | 1 21 | 4 5 | 1 16 | 15 54 | 0 55 | 10 55 | 1 3 | 8 25 | 0 37 | 20 31 | 0 46 | 1 53 | 15 59 | 23 15 | 23 14 | 15 10 | 13 37 | 7 11 |
| M19 | 10 2 | 4 17 | 4 33 | 14 10 | 0 10 | 7 10 | 1 21 | 3 50 | 1 16 | 15 58 | 0 55 | 10 53 | 1 3 | 8 27 | 0 37 | 20 31 | 0 46 | 1 54 | 15 58 | 23 16 | 23 14 | 15 8 | 13 36 | 7 12 |
| T 20 | 10 23 | 0s42 | 4 55 | 14 47 | 0 17 | 7 39 | 1 20 | 3 36 | 1 16 | 16 1 | 0 55 | 10 51 | 1 3 | 8 28 | 0 37 | 20 31 | 0 46 | 1 54 | 15 58 | 23 16 | 23 15 | 15 6 | 13 35 | 7 12 |
| W21 | 10 44 | 5 45 | 5 3 | 15 23 | 0 24 | 8 7 | 1 19 | 3 21 | 1 16 | 16 5 | 0 55 | 10 49 | 1 3 | 8 29 | 0 37 | 20 31 | 0 46 | 1 55 | 15 58 | 23 16 | 23 15 | 15 3 | 13 34 | 7 13 |
| T 22 | 11 5 | 10 40 | 4 56 | 15 59 | 0 31 | 8 35 | 1 18 | 3 6 | 1 16 | 16 9 | 0 55 | 10 47 | 1 3 | 8 31 | 0 37 | 20 31 | 0 46 | 1 56 | 15 58 | 23 16 | 23 15 | 15 1 | 13 33 | 7 14 |
| F 23 | 11 26 | 15 12 | 4 34 | 16 34 | 0 38 | 9 3 | 1 17 | 2 52 | 1 16 | 16 12 | 0 55 | 10 46 | 1 4 | 8 32 | 0 37 | 20 31 | 0 46 | 1 57 | 15 58 | 23 17 | 23 15 | 14 58 | 13 32 | 7 14 |
| S 24 | 11 47 | 19 5 | 3 56 | 17 8 | 0 45 | 9 31 | 1 16 | 2 37 | 1 16 | 16 16 | 0 55 | 10 44 | 1 4 | 8 33 | 0 37 | 20 31 | 0 46 | 1 58 | 15 57 | 23 17 | 23 15 | 14 56 | 13 32 | 7 15 |
| S 25 | 12 7 | 22 1 | 3 5 | 17 41 | 0 52 | 9 58 | 1 15 | 2 22 | 1 16 | 16 19 | 0 55 | 10 42 | 1 4 | 8 35 | 0 37 | 20 31 | 0 46 | 1 58 | 15 57 | 23 17 | 23 15 | 14 53 | 13 31 | 7 15 |
| M26 | 12 27 | 23 43 | 2 2 | 18 13 | 0 59 | 10 25 | 1 13 | 2 8 | 1 16 | 16 23 | 0 55 | 10 40 | 1 4 | 8 36 | 0 37 | 20 31 | 0 46 | 1 59 | 15 57 | 23 17 | 23 15 | 14 51 | 13 30 | 7 16 |
| T 27 | 12 47 | 23 59 | 0 51 | 18 44 | 1 6 | 10 52 | 1 12 | 1 53 | 1 16 | 16 27 | 0 55 | 10 39 | 1 4 | 8 38 | 0 37 | 20 31 | 0 46 | 2 0 | 15 57 | 23 17 | 23 15 | 14 49 | 13 29 | 7 17 |
| W28 | 13 7 | 22 44 | 0n23 | 19 14 | 1 13 | 11 19 | 1 11 | 1 38 | 1 17 | 16 30 | 0 55 | 10 37 | 1 5 | 8 39 | 0 37 | 20 31 | 0 46 | 2 1 | 15 57 | 23 17 | 23 15 | 14 46 | 13 28 | 7 17 |
| T 29 | 13 27 | 20 5 | 1 37 | 19 43 | 1 20 | 11 46 | 1 9 | 1 24 | 1 17 | 16 34 | 0 55 | 10 35 | 1 5 | 8 40 | 0 37 | 20 31 | 0 46 | 2 1 | 15 57 | 23 17 | 23 15 | 14 44 | 13 27 | 7 18 |
| F 30 | 13 46 | 16 13 | 2 45 | 20 12 | 1 26 | 12 12 | 1 8 | 1 9 | 1 17 | 16 37 | 0 54 | 10 34 | 1 5 | 8 42 | 0 37 | 20 30 | 0 46 | 2 2 | 15 56 | 23 17 | 23 16 | 14 41 | 13 27 | 7 19 |
| S 31 | 14s 6 | 11s25 | 3n43 | 20s39 | 1s33 | 12s38 | 1n 6 | 0n54 | 1n17 | 16s41 | 0n54 | 10n32 | 1n 5 | 8s43 | 0n37 | 20s30 | 0n46 | 2s 3 | 15n56 | 23s17 | 23s16 | 14n39 | 13n26 | 7s19 |

Julian Day Number = 2809025.5, Delta T = 52m35s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°26'28, Lahiri = 37°33'28


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# ASTRODIENST EPHEMERIS for the year 2978
# geocentric

## NOVEMBER 2978 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 43 10 | 8♏57'33 | 3♓27 | 27♏25 | 7♏56 | 1♎18 | 19♏52 | 5♍22 | 24♎ 9 | 23♑40 | 19♏12 | 2°R35 | 3♑40 | 10♌18 | 27♋ 8 | S 1 |
| M 2 | 2 47 7 | 9°57'02 | 17°37 | 28°51 | 9°11 | 1°55 | 20° 5 | 5°27 | 24°12 | 23°41 | 19°14 | 2♑30 | 3°37 | 10°24 | 27° 8 | M 2 |
| T 3 | 2 51 4 | 10°56'32 | 1♈43 | 0♐16 | 10°26 | 2°32 | 20°18 | 5°31 | 24°16 | 23°41 | 19°17 | 2°24 | 3°34 | 10°31 | 27° 8 | T 3 |
| W 4 | 2 55 0 | 11°56'04 | 15°42 | 1°40 | 11°41 | 3° 9 | 20°31 | 5°36 | 24°20 | 23°42 | 19°19 | 2°15 | 3°30 | 10°38 | 27° 9 | W 4 |
| T 5 | 2 58 57 | 12°55'37 | 29°30 | 3° 3 | 12°57 | 3°46 | 20°44 | 5°40 | 24°23 | 23°43 | 19°21 | 2° 7 | 3°27 | 10°44 | 27° 9 | T 5 |
| F 6 | 3 2 53 | 13°55'13 | 13♉ 2 | 4°25 | 14°12 | 4°23 | 20°57 | 5°45 | 24°27 | 23°44 | 19°24 | 1°59 | 3°24 | 10°51 | 27°R 9 | F 6 |
| S 7 | 3 6 50 | 14°54'51 | 26°17 | 5°47 | 15°27 | 5° 0 | 21°10 | 5°49 | 24°31 | 23°46 | 19°26 | 1°52 | 3°21 | 10°58 | 27° 9 | S 7 |
| S 8 | 3 10 46 | 15°54'30 | 9♊13 | 7° 7 | 16°42 | 5°37 | 21°23 | 5°53 | 24°34 | 23°47 | 19°29 | 1°48 | 3°18 | 11° 4 | 27° 8 | S 8 |
| M 9 | 3 14 43 | 16°54'12 | 21°51 | 8°26 | 17°57 | 6°14 | 21°36 | 5°57 | 24°38 | 23°48 | 19°31 | 1°45 | 3°15 | 11°11 | 27° 8 | M 9 |
| T 10 | 3 18 39 | 17°53'56 | 4♋11 | 9°44 | 19°12 | 6°51 | 21°49 | 6° 1 | 24°42 | 23°49 | 19°33 | 1°D45 | 3°11 | 11°18 | 27° 8 | T 10 |
| W11 | 3 22 36 | 18°53'42 | 16°17 | 11° 1 | 20°27 | 7°28 | 22° 2 | 6° 5 | 24°45 | 23°50 | 19°36 | 1°46 | 3° 8 | 11°24 | 27° 8 | W11 |
| T 12 | 3 26 33 | 19°53'30 | 28°13 | 12°17 | 21°42 | 8° 4 | 22°15 | 6° 9 | 24°49 | 23°51 | 19°38 | 1°47 | 3° 5 | 11°31 | 27° 7 | T 12 |
| F 13 | 3 30 29 | 20°53'20 | 10♌ 3 | 13°30 | 22°57 | 8°41 | 22°28 | 6°13 | 24°52 | 23°53 | 19°41 | 1°49 | 3° 2 | 11°38 | 27° 6 | F 13 |
| S 14 | 3 34 26 | 21°53'13 | 21°53 | 14°43 | 24°12 | 9°18 | 22°41 | 6°17 | 24°56 | 23°54 | 19°43 | 1°R49 | 2°59 | 11°44 | 27° 6 | S 14 |
| S 15 | 3 38 22 | 22°53'07 | 3♍48 | 15°53 | 25°27 | 9°55 | 22°54 | 6°20 | 24°59 | 23°55 | 19°46 | 1°49 | 2°56 | 11°51 | 27° 5 | S 15 |
| M16 | 3 42 19 | 23°53'04 | 15°52 | 17° 2 | 26°43 | 10°31 | 23° 7 | 6°24 | 25° 3 | 23°56 | 19°48 | 1°46 | 2°52 | 11°58 | 27° 4 | M16 |
| T 17 | 3 46 15 | 24°53'02 | 28°11 | 18° 8 | 27°58 | 11° 8 | 23°20 | 6°27 | 25° 6 | 23°58 | 19°50 | 1°42 | 2°49 | 12° 4 | 27° 3 | T 17 |
| W18 | 3 50 12 | 25°53'03 | 10♎47 | 19°12 | 29°13 | 11°45 | 23°34 | 6°30 | 25° 9 | 23°59 | 19°53 | 1°37 | 2°46 | 12°11 | 27° 2 | W18 |
| T 19 | 3 54 8 | 26°53'06 | 23°44 | 20°13 | 0♐28 | 12°21 | 23°47 | 6°33 | 25°13 | 24° 1 | 19°55 | 1°31 | 2°43 | 12°18 | 27° 1 | T 19 |
| F 20 | 3 58 5 | 27°53'10 | 7♏ 1 | 21°11 | 1°43 | 12°58 | 24° 0 | 6°37 | 25°16 | 24° 2 | 19°58 | 1°25 | 2°40 | 12°24 | 27° 0 | F 20 |
| S 21 | 4 2 2 | 28°53'17 | 20°39 | 22° 5 | 2°58 | 13°35 | 24°13 | 6°40 | 25°20 | 24° 3 | 20° 0 | 1°20 | 2°36 | 12°31 | 26°59 | S 21 |
| S 22 | 4 5 58 | 29°53'26 | 4♐34 | 22°56 | 4°14 | 14°11 | 24°26 | 6°42 | 25°23 | 24° 5 | 20° 3 | 1°16 | 2°33 | 12°38 | 26°57 | S 22 |
| M23 | 4 9 55 | 0♐53'36 | 18°43 | 23°42 | 5°29 | 14°48 | 24°39 | 6°45 | 25°26 | 24° 6 | 20° 5 | 1°14 | 2°30 | 12°44 | 26°56 | M23 |
| T 24 | 4 13 51 | 1°53'48 | 3♑ 1 | 24°24 | 6°44 | 15°24 | 24°52 | 6°48 | 25°29 | 24° 8 | 20° 7 | 1°D14 | 2°27 | 12°51 | 26°54 | T 24 |
| W25 | 4 17 48 | 2°54'02 | 17°23 | 25° 0 | 7°59 | 16° 1 | 25° 5 | 6°50 | 25°33 | 24°10 | 20°10 | 1°14 | 2°24 | 12°58 | 26°53 | W25 |
| T 26 | 4 21 44 | 3°54'17 | 1♒45 | 25°30 | 9°14 | 16°37 | 25°18 | 6°53 | 25°36 | 24°11 | 20°12 | 1°16 | 2°21 | 13° 4 | 26°51 | T 26 |
| F 27 | 4 25 41 | 4°54'33 | 16° 4 | 25°54 | 10°30 | 17°13 | 25°31 | 6°55 | 25°39 | 24°13 | 20°14 | 1°17 | 2°17 | 13°11 | 26°49 | F 27 |
| S 28 | 4 29 37 | 5°54'51 | 0♓17 | 26°10 | 11°45 | 17°50 | 25°44 | 6°58 | 25°42 | 24°14 | 20°17 | 1°R18 | 2°14 | 13°18 | 26°48 | S 28 |
| S 29 | 4 33 34 | 6°55'10 | 14°22 | 26°R18 | 13° 0 | 18°26 | 25°57 | 7° 0 | 25°45 | 24°16 | 20°19 | 1°18 | 2°11 | 13°24 | 26°46 | S 29 |
| M30 | 4 37 31 | 7♐55'30 | 28♓17 | 26♐17 | 14♐15 | 19♎ 2 | 26♏10 | 7♍ 2 | 25♎48 | 24♑18 | 20♏22 | 1♑17 | 2♑ 8 | 13♌31 | 26♋44 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s25 | 6s 1 | 4n28 | 21s 5 | 1s39 | 13s 4 | 1n 5 | 0n40 | 1n17 | 16s44 | 0n54 | 10n30 | 1n 5 | 8s44 | 0n37 | 20s30 | 0n46 | 2s 3 | 15n56 | 23s17 | 23s16 | 14n36 | 13n25 | 7s20 |
| M 2 | 14 43 | 0 19 | 4 56 | 21 30 | 1 45 | 13 29 | 1 3 | 0 25 | 1 17 | 16 48 | 0 54 | 10 29 | 1 5 | 8 46 | 0 37 | 20 30 | 0 46 | 2 4 | 15 56 | 23 17 | 23 16 | 14 34 | 13 24 | 7 21 |
| T 3 | 15 2 | 5n22 | 5 7 | 21 54 | 1 51 | 13 54 | 1 2 | 0 11 | 1 17 | 16 51 | 0 54 | 10 27 | 1 6 | 8 47 | 0 37 | 20 30 | 0 45 | 2 5 | 15 56 | 23 17 | 23 16 | 14 31 | 13 24 | 7 21 |
| W 4 | 15 20 | 10 44 | 4 58 | 22 18 | 1 57 | 14 19 | 1 0 | 0s 4 | 1 17 | 16 55 | 0 54 | 10 26 | 1 6 | 8 48 | 0 37 | 20 30 | 0 45 | 2 6 | 15 56 | 23 18 | 23 16 | 14 29 | 13 23 | 7 22 |
| T 5 | 15 38 | 15 29 | 4 33 | 22 40 | 2 2 | 14 43 | 0 58 | 0 19 | 1 17 | 16 58 | 0 54 | 10 24 | 1 6 | 8 50 | 0 37 | 20 30 | 0 45 | 2 6 | 15 56 | 23 18 | 23 16 | 14 27 | 13 22 | 7 23 |
| F 6 | 15 56 | 19 21 | 3 52 | 23 1 | 2 8 | 15 7 | 0 56 | 0 33 | 1 17 | 17 2 | 0 54 | 10 23 | 1 6 | 8 51 | 0 37 | 20 30 | 0 45 | 2 7 | 15 56 | 23 18 | 23 16 | 14 24 | 13 22 | 7 23 |
| S 7 | 16 14 | 22 8 | 3 0 | 23 20 | 2 13 | 15 31 | 0 55 | 0 48 | 1 17 | 17 5 | 0 54 | 10 22 | 1 6 | 8 52 | 0 37 | 20 29 | 0 45 | 2 8 | 15 56 | 23 18 | 23 16 | 14 22 | 13 21 | 7 24 |
| S 8 | 16 31 | 23 40 | 1 59 | 23 39 | 2 18 | 15 54 | 0 53 | 1 2 | 1 17 | 17 9 | 0 54 | 10 20 | 1 7 | 8 54 | 0 37 | 20 29 | 0 45 | 2 8 | 15 56 | 23 18 | 23 16 | 14 19 | 13 21 | 7 25 |
| M 9 | 16 48 | 23 57 | 0 53 | 23 57 | 2 23 | 16 17 | 0 51 | 1 17 | 1 17 | 17 12 | 0 54 | 10 19 | 1 7 | 8 55 | 0 37 | 20 29 | 0 45 | 2 9 | 15 55 | 23 18 | 23 16 | 14 17 | 13 20 | 7 25 |
| T 10 | 17 5 | 23 2 | 0s13 | 24 13 | 2 27 | 16 39 | 0 49 | 1 31 | 1 17 | 17 15 | 0 54 | 10 17 | 1 7 | 8 56 | 0 37 | 20 29 | 0 45 | 2 10 | 15 55 | 23 18 | 23 16 | 14 14 | 13 19 | 7 26 |
| W11 | 17 21 | 21 2 | 1 18 | 24 28 | 2 31 | 17 1 | 0 47 | 1 45 | 1 17 | 17 19 | 0 54 | 10 16 | 1 7 | 8 58 | 0 37 | 20 29 | 0 45 | 2 10 | 15 55 | 23 18 | 23 17 | 14 12 | 13 19 | 7 27 |
| T 12 | 17 37 | 18 9 | 2 19 | 24 42 | 2 35 | 17 22 | 0 45 | 2 0 | 1 18 | 17 22 | 0 54 | 10 15 | 1 7 | 8 59 | 0 37 | 20 29 | 0 45 | 2 11 | 15 55 | 23 18 | 23 17 | 14 9 | 13 18 | 7 27 |
| F 13 | 17 53 | 14 32 | 3 13 | 24 55 | 2 38 | 17 43 | 0 43 | 2 14 | 1 18 | 17 26 | 0 54 | 10 14 | 1 7 | 9 0 | 0 37 | 20 28 | 0 45 | 2 11 | 15 55 | 23 18 | 23 17 | 14 7 | 13 18 | 7 28 |
| S 14 | 18 9 | 10 22 | 3 59 | 25 7 | 2 41 | 18 4 | 0 41 | 2 29 | 1 18 | 17 29 | 0 54 | 10 13 | 1 8 | 9 1 | 0 37 | 20 28 | 0 45 | 2 12 | 15 55 | 23 18 | 23 17 | 14 4 | 13 17 | 7 29 |
| S 15 | 18 24 | 5 47 | 4 35 | 25 17 | 2 44 | 18 24 | 0 39 | 2 43 | 1 18 | 17 32 | 0 54 | 10 12 | 1 8 | 9 3 | 0 37 | 20 28 | 0 45 | 2 13 | 15 55 | 23 18 | 23 17 | 14 2 | 13 17 | 7 29 |
| M16 | 18 39 | 0 56 | 4 59 | 25 26 | 2 46 | 18 44 | 0 36 | 2 57 | 1 18 | 17 35 | 0 54 | 10 10 | 1 8 | 9 4 | 0 37 | 20 28 | 0 45 | 2 13 | 15 55 | 23 18 | 23 17 | 13 59 | 13 16 | 7 30 |
| T 17 | 18 53 | 4s 2 | 5 11 | 25 34 | 2 47 | 19 3 | 0 34 | 3 11 | 1 18 | 17 39 | 0 53 | 10 9 | 1 8 | 9 5 | 0 37 | 20 28 | 0 45 | 2 14 | 15 55 | 23 18 | 23 17 | 13 57 | 13 16 | 7 30 |
| W18 | 19 8 | 8 58 | 5 7 | 25 40 | 2 48 | 19 21 | 0 32 | 3 26 | 1 18 | 17 42 | 0 53 | 10 8 | 1 8 | 9 6 | 0 37 | 20 27 | 0 45 | 2 14 | 15 55 | 23 18 | 23 17 | 13 54 | 13 15 | 7 31 |
| T 19 | 19 21 | 13 38 | 4 48 | 25 45 | 2 49 | 19 39 | 0 30 | 3 40 | 1 18 | 17 45 | 0 53 | 10 7 | 1 9 | 9 8 | 0 37 | 20 27 | 0 45 | 2 15 | 15 55 | 23 18 | 23 17 | 13 52 | 13 15 | 7 32 |
| F 20 | 19 35 | 17 47 | 4 14 | 25 49 | 2 48 | 19 57 | 0 28 | 3 54 | 1 18 | 17 49 | 0 53 | 10 6 | 1 9 | 9 9 | 0 37 | 20 27 | 0 45 | 2 15 | 15 55 | 23 18 | 23 17 | 13 49 | 13 15 | 7 32 |
| S 21 | 19 48 | 21 6 | 3 24 | 25 52 | 2 47 | 20 14 | 0 25 | 4 8 | 1 18 | 17 52 | 0 53 | 10 6 | 1 9 | 9 10 | 0 37 | 20 27 | 0 45 | 2 16 | 15 56 | 23 18 | 23 17 | 13 47 | 13 14 | 7 33 |
| S 22 | 20 1 | 23 15 | 2 21 | 25 53 | 2 46 | 20 30 | 0 23 | 4 22 | 1 18 | 17 55 | 0 53 | 10 5 | 1 9 | 9 11 | 0 37 | 20 27 | 0 45 | 2 17 | 15 56 | 23 18 | 23 17 | 13 44 | 13 14 | 7 34 |
| M23 | 20 14 | 23 58 | 1 8 | 25 53 | 2 43 | 20 46 | 0 21 | 4 36 | 1 18 | 17 58 | 0 53 | 10 4 | 1 10 | 9 12 | 0 37 | 20 26 | 0 45 | 2 17 | 15 56 | 23 18 | 23 17 | 13 42 | 13 13 | 7 34 |
| T 24 | 20 26 | 23 7 | 0n10 | 25 51 | 2 39 | 21 1 | 0 18 | 4 50 | 1 18 | 18 1 | 0 53 | 10 3 | 1 10 | 9 14 | 0 37 | 20 26 | 0 45 | 2 18 | 15 56 | 23 18 | 23 17 | 13 40 | 13 13 | 7 35 |
| W25 | 20 38 | 20 45 | 1 28 | 25 48 | 2 35 | 21 16 | 0 16 | 5 4 | 1 18 | 18 4 | 0 53 | 10 2 | 1 10 | 9 15 | 0 37 | 20 26 | 0 45 | 2 18 | 15 56 | 23 18 | 23 17 | 13 37 | 13 13 | 7 35 |
| T 26 | 20 49 | 17 4 | 2 40 | 25 43 | 2 29 | 21 30 | 0 14 | 5 18 | 1 18 | 18 8 | 0 53 | 10 2 | 1 10 | 9 16 | 0 37 | 20 26 | 0 45 | 2 19 | 15 56 | 23 18 | 23 18 | 13 35 | 13 13 | 7 36 |
| F 27 | 21 0 | 12 24 | 3 42 | 25 37 | 2 22 | 21 43 | 0 11 | 5 32 | 1 18 | 18 11 | 0 53 | 10 1 | 1 10 | 9 17 | 0 37 | 20 25 | 0 45 | 2 19 | 15 56 | 23 18 | 23 18 | 13 32 | 13 12 | 7 37 |
| S 28 | 21 11 | 7 6 | 4 30 | 25 30 | 2 14 | 21 56 | 0 9 | 5 45 | 1 18 | 18 14 | 0 53 | 10 0 | 1 11 | 9 18 | 0 37 | 20 25 | 0 45 | 2 20 | 15 56 | 23 18 | 23 18 | 13 30 | 13 12 | 7 37 |
| S 29 | 21 21 | 1 29 | 5 1 | 25 21 | 2 5 | 22 8 | 0 6 | 5 59 | 1 18 | 18 17 | 0 53 | 10 0 | 1 11 | 9 19 | 0 37 | 20 25 | 0 45 | 2 20 | 15 56 | 23 18 | 23 18 | 13 27 | 13 12 | 7 38 |
| M30 | 21s31 | 4n 8 | 5n14 | 25s10 | 1s54 | 22s19 | 0n 4 | 6s13 | 1n18 | 18s20 | 0n53 | 9n59 | 1n11 | 9s20 | 0n37 | 20s25 | 0n45 | 2s20 | 15n56 | 23s18 | 23s18 | 13n25 | 13n12 | 7s38 |

Julian Day Number = 2809056.5, Delta T = 52m36s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°26'32, Lahiri = 37°33'33


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# ASTRODIENST EPHEMERIS for the year 2978
# geocentric

## DECEMBER 2978 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 41 27 | 8♐55'52 | 12♈ 2 | 26°R 7 | 15♐30 | 19♎38 | 26♏23 | 7♍ 4 | 25♎51 | 24♉19 | 20♏24 | 1°R15 | 2♉ 5 | 13♌38 | 26°R42 | T 1 |
| W 2 | 4 45 24 | 9°56'15 | 25°35 | 25♐46 | 16°46 | 20°15 | 26°36 | 7° 5 | 25°54 | 24°21 | 20°26 | 1♉12 | 2° 2 | 13°44 | 26♋39 | W 2 |
| T 3 | 4 49 20 | 10°56'39 | 8♑55 | 25°16 | 18° 1 | 20°51 | 26°49 | 7° 7 | 25°57 | 24°23 | 20°28 | 1° 8 | 1°58 | 13°51 | 26°37 | T 3 |
| F 4 | 4 53 17 | 11°57'05 | 22° 2 | 24°35 | 19°16 | 21°27 | 27° 2 | 7° 9 | 26° 0 | 24°25 | 20°31 | 1° 6 | 1°55 | 13°58 | 26°35 | F 4 |
| S 5 | 4 57 13 | 12°57'33 | 4♊55 | 23°43 | 20°31 | 22° 3 | 27°15 | 7°10 | 26° 3 | 24°27 | 20°33 | 1° 3 | 1°52 | 14° 5 | 26°33 | S 5 |
| S 6 | 5 1 10 | 13°58'01 | 17°34 | 22°43 | 21°47 | 22°39 | 27°28 | 7°12 | 26° 6 | 24°28 | 20°35 | 1° 2 | 1°49 | 14°11 | 26°30 | S 6 |
| M 7 | 5 5 7 | 14°58'32 | 29°59 | 21°33 | 23° 2 | 23°15 | 27°41 | 7°13 | 26° 9 | 24°30 | 20°38 | 1°D 1 | 1°46 | 14°18 | 26°28 | M 7 |
| T 8 | 5 9 3 | 15°59'04 | 12♋12 | 20°18 | 24°17 | 23°51 | 27°53 | 7°14 | 26°12 | 24°32 | 20°40 | 1° 2 | 1°42 | 14°25 | 26°25 | T 8 |
| W 9 | 5 13 0 | 16°59'37 | 24°14 | 18°57 | 25°32 | 24°27 | 28° 6 | 7°15 | 26°14 | 24°34 | 20°42 | 1° 3 | 1°39 | 14°31 | 26°22 | W 9 |
| T 10 | 5 16 56 | 18° 0'12 | 6♌ 9 | 17°35 | 26°48 | 25° 3 | 28°19 | 7°16 | 26°17 | 24°36 | 20°44 | 1° 4 | 1°36 | 14°38 | 26°20 | T 10 |
| F 11 | 5 20 53 | 19° 0'48 | 17°59 | 16°14 | 28° 3 | 25°39 | 28°32 | 7°17 | 26°20 | 24°38 | 20°47 | 1° 5 | 1°33 | 14°45 | 26°17 | F 11 |
| S 12 | 5 24 49 | 20° 1'26 | 29°49 | 14°56 | 29°18 | 26°15 | 28°44 | 7°18 | 26°22 | 24°40 | 20°49 | 1° 6 | 1°30 | 14°51 | 26°14 | S 12 |
| S 13 | 5 28 46 | 21° 2'06 | 11♍42 | 13°45 | 0♑33 | 26°50 | 28°57 | 7°18 | 26°25 | 24°42 | 20°51 | 1° 7 | 1°27 | 14°58 | 26°11 | S 13 |
| M14 | 5 32 42 | 22° 2'47 | 23°45 | 12°41 | 1°48 | 27°26 | 29°10 | 7°19 | 26°28 | 24°44 | 20°53 | 1°R 7 | 1°23 | 15° 5 | 26° 8 | M14 |
| T 15 | 5 36 39 | 23° 3'29 | 6♎ 1 | 11°48 | 3° 4 | 28° 2 | 29°22 | 7°19 | 26°30 | 24°46 | 20°55 | 1° 7 | 1°20 | 15°11 | 26° 5 | T 15 |
| W16 | 5 40 36 | 24° 4'13 | 18°35 | 11° 5 | 4°19 | 28°38 | 29°35 | 7°20 | 26°32 | 24°48 | 20°57 | 1° 6 | 1°17 | 15°18 | 26° 2 | W16 |
| T 17 | 5 44 32 | 25° 4'59 | 1♏31 | 10°34 | 5°34 | 29°13 | 29°47 | 7°20 | 26°35 | 24°50 | 20°59 | 1° 5 | 1°14 | 15°25 | 25°59 | T 17 |
| F 18 | 5 48 29 | 26° 5'46 | 14°51 | 10°14 | 6°50 | 29°49 | 29°59 | 7°R20 | 26°37 | 24°52 | 21° 2 | 1° 5 | 1°11 | 15°31 | 25°56 | F 18 |
| S 19 | 5 52 25 | 27° 6'35 | 28°36 | 10°D 6 | 8° 5 | 0♏24 | 0♐12 | 7°20 | 26°40 | 24°54 | 21° 4 | 1° 4 | 1° 8 | 15°38 | 25°52 | S 19 |
| S 20 | 5 56 22 | 28° 7'24 | 12♐44 | 10° 8 | 9°20 | 1° 0 | 0°24 | 7°20 | 26°42 | 24°56 | 21° 6 | 1° 4 | 1° 4 | 15°45 | 25°49 | S 20 |
| M21 | 6 0 18 | 29° 8'15 | 27°13 | 10°20 | 10°35 | 1°35 | 0°37 | 7°19 | 26°44 | 24°58 | 21° 8 | 1°D 4 | 1° 1 | 15°51 | 25°46 | M21 |
| T 22 | 6 4 15 | 0♑ 9'07 | 11♑56 | 10°42 | 11°51 | 2°11 | 0°49 | 7°19 | 26°46 | 25° 0 | 21°10 | 1° 4 | 0°58 | 15°58 | 25°42 | T 22 |
| W23 | 6 8 11 | 1°10'00 | 26°47 | 11°12 | 13° 6 | 2°46 | 1° 1 | 7°18 | 26°49 | 25° 2 | 21°12 | 1°R 4 | 0°55 | 16° 5 | 25°39 | W23 |
| T 24 | 6 12 8 | 2°10'54 | 11♒37 | 11°49 | 14°21 | 3°21 | 1°13 | 7°18 | 26°51 | 25° 4 | 21°14 | 1° 4 | 0°52 | 16°11 | 25°35 | T 24 |
| F 25 | 6 16 5 | 3°11'49 | 26°20 | 12°33 | 15°36 | 3°57 | 1°26 | 7°17 | 26°53 | 25° 6 | 21°16 | 1° 4 | 0°48 | 16°18 | 25°32 | F 25 |
| S 26 | 6 20 1 | 4°12'44 | 10♓50 | 13°22 | 16°52 | 4°32 | 1°38 | 7°16 | 26°55 | 25° 8 | 21°18 | 1° 3 | 0°45 | 16°25 | 25°28 | S 26 |
| S 27 | 6 23 58 | 5°13'39 | 25° 2 | 14°17 | 18° 7 | 5° 7 | 1°50 | 7°15 | 26°57 | 25°11 | 21°19 | 1° 3 | 0°42 | 16°32 | 25°24 | S 27 |
| M28 | 6 27 54 | 6°14'36 | 8♈56 | 15°17 | 19°22 | 5°42 | 2° 2 | 7°14 | 26°59 | 25°13 | 21°21 | 1°D 3 | 0°39 | 16°38 | 25°21 | M28 |
| T 29 | 6 31 51 | 7°15'32 | 22°31 | 16°20 | 20°37 | 6°17 | 2°13 | 7°13 | 27° 0 | 25°15 | 21°23 | 1° 3 | 0°36 | 16°45 | 25°17 | T 29 |
| W30 | 6 35 47 | 8°16'30 | 5♉47 | 17°27 | 21°53 | 6°52 | 2°25 | 7°12 | 27° 2 | 25°17 | 21°25 | 1° 4 | 0°33 | 16°52 | 25°13 | W30 |
| T 31 | 6 39 44 | 9♑17'28 | 18♉47 | 18♐37 | 23♑ 8 | 7♏27 | 2♐37 | 7♍10 | 27♎ 4 | 25♑19 | 21♏27 | 1♑ 4 | 0♑29 | 16♌58 | 25♋ 9 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s40 | 9n28 | 5n 9 | 24s57 | 1s42 | 22s30 | 0n 2 | 6s26 | 1n18 | 18s23 | 0n53 | 9n59 | 1n11 | 9s21 | 0n37 | 20s24 | 0n45 | 2s21 | 15n56 | 23s18 | 23s18 | 13n22 | 13n12 | 7s39 |
| W 2 | 21 49 | 14 17 | 4 47 | 24 42 | 1 28 | 22 40 | 0s 1 | 6 40 | 1 18 | 18 26 | 0 53 | 9 58 | 1 11 | 9 22 | 0 37 | 20 24 | 0 45 | 2 21 | 15 57 | 23 18 | 23 18 | 13 19 | 13 11 | 7 39 |
| T 3 | 21 58 | 18 20 | 4 9 | 24 26 | 1 12 | 22 50 | 0 3 | 6 54 | 1 18 | 18 29 | 0 53 | 9 58 | 1 12 | 9 24 | 0 37 | 20 24 | 0 45 | 2 22 | 15 57 | 23 18 | 23 18 | 13 17 | 13 11 | 7 40 |
| F 4 | 22 6 | 21 23 | 3 19 | 24 8 | 0 55 | 22 59 | 0 6 | 7 7 | 1 18 | 18 32 | 0 53 | 9 57 | 1 12 | 9 25 | 0 37 | 20 23 | 0 45 | 2 22 | 15 57 | 23 18 | 23 18 | 13 14 | 13 11 | 7 40 |
| S 5 | 22 14 | 23 17 | 2 19 | 23 47 | 0 37 | 23 7 | 0 8 | 7 20 | 1 18 | 18 35 | 0 53 | 9 57 | 1 12 | 9 26 | 0 37 | 20 23 | 0 45 | 2 22 | 15 57 | 23 18 | 23 18 | 13 12 | 13 11 | 7 41 |
| S 6 | 22 21 | 23 57 | 1 14 | 23 25 | 0 18 | 23 14 | 0 11 | 7 34 | 1 18 | 18 38 | 0 53 | 9 57 | 1 12 | 9 27 | 0 38 | 20 23 | 0 45 | 2 23 | 15 57 | 23 19 | 23 18 | 13 9 | 13 11 | 7 41 |
| M 7 | 22 28 | 23 24 | 0 6 | 23 1 | 0n 2 | 23 21 | 0 13 | 7 47 | 1 18 | 18 41 | 0 53 | 9 56 | 1 12 | 9 28 | 0 38 | 20 23 | 0 44 | 2 23 | 15 57 | 23 19 | 23 18 | 13 7 | 13 11 | 7 42 |
| T 8 | 22 35 | 21 44 | 1s 2 | 22 35 | 0 22 | 23 27 | 0 15 | 8 0 | 1 18 | 18 43 | 0 53 | 9 56 | 1 13 | 9 29 | 0 38 | 20 22 | 0 44 | 2 24 | 15 58 | 23 19 | 23 18 | 13 4 | 13 11 | 7 42 |
| W 9 | 22 41 | 19 6 | 2 5 | 22 9 | 0 43 | 23 32 | 0 18 | 8 13 | 1 18 | 18 46 | 0 53 | 9 56 | 1 13 | 9 30 | 0 38 | 20 22 | 0 44 | 2 24 | 15 58 | 23 18 | 23 18 | 13 2 | 13 11 | 7 43 |
| T 10 | 22 46 | 15 41 | 3 3 | 21 42 | 1 2 | 23 37 | 0 20 | 8 26 | 1 18 | 18 49 | 0 53 | 9 56 | 1 13 | 9 31 | 0 38 | 20 22 | 0 44 | 2 24 | 15 58 | 23 18 | 23 18 | 12 59 | 13 11 | 7 43 |
| F 11 | 22 52 | 11 41 | 3 52 | 21 15 | 1 21 | 23 40 | 0 23 | 8 39 | 1 18 | 18 52 | 0 53 | 9 56 | 1 13 | 9 31 | 0 38 | 20 21 | 0 44 | 2 25 | 15 58 | 23 18 | 23 18 | 12 57 | 13 11 | 7 44 |
| S 12 | 22 56 | 7 14 | 4 31 | 20 50 | 1 39 | 23 44 | 0 25 | 8 52 | 1 18 | 18 55 | 0 53 | 9 56 | 1 14 | 9 32 | 0 38 | 20 21 | 0 44 | 2 25 | 15 59 | 23 18 | 23 18 | 12 54 | 13 11 | 7 44 |
| S 13 | 23 1 | 2 31 | 4 59 | 20 27 | 1 54 | 23 46 | 0 27 | 9 5 | 1 18 | 18 57 | 0 53 | 9 55 | 1 14 | 9 33 | 0 38 | 20 21 | 0 44 | 2 25 | 15 59 | 23 18 | 23 18 | 12 52 | 13 11 | 7 45 |
| M14 | 23 5 | 2s21 | 5 15 | 20 6 | 2 7 | 23 48 | 0 30 | 9 18 | 1 18 | 19 0 | 0 53 | 9 55 | 1 14 | 9 34 | 0 38 | 20 20 | 0 44 | 2 25 | 15 59 | 23 18 | 23 18 | 12 49 | 13 11 | 7 45 |
| T 15 | 23 8 | 7 13 | 5 16 | 19 48 | 2 19 | 23 49 | 0 32 | 9 31 | 1 17 | 19 3 | 0 53 | 9 56 | 1 14 | 9 35 | 0 38 | 20 20 | 0 44 | 2 26 | 15 59 | 23 18 | 23 18 | 12 47 | 13 11 | 7 46 |
| W16 | 23 11 | 11 55 | 5 3 | 19 33 | 2 28 | 23 49 | 0 34 | 9 43 | 1 17 | 19 5 | 0 53 | 9 56 | 1 14 | 9 36 | 0 38 | 20 20 | 0 44 | 2 26 | 16 0 | 23 18 | 23 18 | 12 44 | 13 11 | 7 46 |
| T 17 | 23 13 | 16 13 | 4 34 | 19 22 | 2 34 | 23 48 | 0 37 | 9 56 | 1 17 | 19 8 | 0 53 | 9 56 | 1 15 | 9 37 | 0 38 | 20 19 | 0 44 | 2 26 | 16 0 | 23 18 | 23 18 | 12 42 | 13 12 | 7 47 |
| F 18 | 23 15 | 19 52 | 3 50 | 19 15 | 2 39 | 23 47 | 0 39 | 10 8 | 1 17 | 19 11 | 0 53 | 9 56 | 1 15 | 9 38 | 0 38 | 20 19 | 0 44 | 2 26 | 16 0 | 23 18 | 23 18 | 12 39 | 13 12 | 7 47 |
| S 19 | 23 17 | 22 31 | 2 51 | 19 11 | 2 42 | 23 45 | 0 41 | 10 21 | 1 17 | 19 13 | 0 53 | 9 56 | 1 15 | 9 38 | 0 38 | 20 19 | 0 44 | 2 27 | 16 0 | 23 18 | 23 18 | 12 37 | 13 12 | 7 47 |
| S 20 | 23 18 | 23 52 | 1 40 | 19 10 | 2 43 | 23 42 | 0 43 | 10 33 | 1 17 | 19 16 | 0 53 | 9 56 | 1 15 | 9 39 | 0 38 | 20 18 | 0 44 | 2 27 | 16 1 | 23 18 | 23 18 | 12 34 | 13 12 | 7 48 |
| M21 | 23 19 | 23 38 | 0 21 | 19 12 | 2 42 | 23 39 | 0 46 | 10 45 | 1 17 | 19 18 | 0 53 | 9 57 | 1 16 | 9 40 | 0 38 | 20 18 | 0 44 | 2 27 | 16 1 | 23 18 | 23 19 | 12 32 | 13 12 | 7 48 |
| T 22 | 23 19 | 21 47 | 1n 0 | 19 17 | 2 40 | 23 35 | 0 48 | 10 58 | 1 17 | 19 21 | 0 53 | 9 57 | 1 16 | 9 41 | 0 38 | 20 18 | 0 44 | 2 27 | 16 1 | 23 18 | 23 19 | 12 29 | 13 13 | 7 48 |
| W23 | 23 18 | 18 26 | 2 18 | 19 24 | 2 37 | 23 30 | 0 50 | 11 10 | 1 17 | 19 23 | 0 53 | 9 57 | 1 16 | 9 42 | 0 38 | 20 17 | 0 44 | 2 27 | 16 2 | 23 18 | 23 19 | 12 26 | 13 13 | 7 49 |
| T 24 | 23 18 | 13 54 | 3 27 | 19 33 | 2 33 | 23 24 | 0 52 | 11 22 | 1 17 | 19 26 | 0 53 | 9 58 | 1 16 | 9 42 | 0 38 | 20 17 | 0 44 | 2 28 | 16 2 | 23 18 | 23 19 | 12 24 | 13 13 | 7 49 |
| F 25 | 23 16 | 8 34 | 4 21 | 19 43 | 2 29 | 23 18 | 0 54 | 11 34 | 1 17 | 19 28 | 0 53 | 9 58 | 1 16 | 9 43 | 0 38 | 20 17 | 0 44 | 2 28 | 16 2 | 23 18 | 23 19 | 12 21 | 13 14 | 7 49 |
| S 26 | 23 15 | 2 52 | 4 58 | 19 55 | 2 23 | 23 11 | 0 56 | 11 46 | 1 17 | 19 31 | 0 53 | 9 59 | 1 17 | 9 44 | 0 38 | 20 16 | 0 44 | 2 28 | 16 3 | 23 18 | 23 19 | 12 19 | 13 14 | 7 50 |
| S 27 | 23 13 | 2n53 | 5 16 | 20 8 | 2 17 | 23 3 | 0 58 | 11 57 | 1 17 | 19 33 | 0 53 | 9 59 | 1 17 | 9 44 | 0 38 | 20 16 | 0 44 | 2 28 | 16 3 | 23 18 | 23 19 | 12 16 | 13 14 | 7 50 |
| M28 | 23 10 | 8 21 | 5 15 | 20 21 | 2 10 | 22 55 | 1 0 | 12 9 | 1 16 | 19 35 | 0 53 | 10 0 | 1 17 | 9 45 | 0 38 | 20 15 | 0 44 | 2 28 | 16 3 | 23 18 | 23 19 | 12 14 | 13 15 | 7 50 |
| T 29 | 23 7 | 13 17 | 4 56 | 20 34 | 2 3 | 22 46 | 1 2 | 12 21 | 1 16 | 19 38 | 0 53 | 10 1 | 1 17 | 9 46 | 0 38 | 20 15 | 0 44 | 2 28 | 16 4 | 23 18 | 23 19 | 12 11 | 13 15 | 7 51 |
| W30 | 23 3 | 17 29 | 4 21 | 20 48 | 1 56 | 22 36 | 1 4 | 12 32 | 1 16 | 19 40 | 0 53 | 10 1 | 1 18 | 9 46 | 0 38 | 20 15 | 0 44 | 2 28 | 16 4 | 23 18 | 23 19 | 12 9 | 13 15 | 7 51 |
| T 31 | 22s59 | 20n45 | 3n34 | 21s 2 | 1n48 | 22s25 | 1s 6 | 12s43 | 1n16 | 19s42 | 0n53 | 10n 2 | 1n18 | 9s47 | 0n38 | 20s14 | 0n44 | 2s28 | 16n 4 | 23s18 | 23s19 | 12n 6 | 13n16 | 7s51 |

Julian Day Number = 2809086.5, Delta T = 52m36s
Ecliptic obliquity = 23°18'45, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°26'36, Lahiri = 37°33'37


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# ASTRODIENST EPHEMERIS for the year 2979
# geocentric

## JANUARY 2979 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 6 43 40 | 10♑18'26 | 1♊32 | 19♐49 | 24♑23 | 8♏ 2 | 2♐49 | 7°R 9 | 27♎ 6 | 25♑22 | 21♏29 | 1♑ 5 | 0♑26 | 17♌ 5 | 25°R 5 | F 1 |
| S 2 | 6 47 37 | 11°19'25 | 14° 4 | 21° 4 | 25°38 | 8°37 | 3° 0 | 7♍ 7 | 27° 7 | 25°24 | 21°30 | 1° 6 | 0°23 | 17°12 | 25♋ 2 | S 2 |
| S 3 | 6 51 34 | 12°20'24 | 26°24 | 22°21 | 26°54 | 9°12 | 3°12 | 7° 6 | 27° 9 | 25°26 | 21°32 | 1°R 7 | 0°20 | 17°18 | 24°58 | S 3 |
| M 4 | 6 55 30 | 13°21'24 | 8♋35 | 23°39 | 28° 9 | 9°46 | 3°23 | 7° 4 | 27°11 | 25°28 | 21°34 | 1° 7 | 0°17 | 17°25 | 24°54 | M 4 |
| T 5 | 6 59 27 | 14°22'25 | 20°38 | 24°59 | 29°24 | 10°21 | 3°35 | 7° 2 | 27°12 | 25°30 | 21°35 | 1° 6 | 0°14 | 17°32 | 24°50 | T 5 |
| W 6 | 7 3 23 | 15°23'26 | 2♌35 | 26°20 | 0♒39 | 10°56 | 3°46 | 7° 0 | 27°14 | 25°33 | 21°37 | 1° 4 | 0°10 | 17°38 | 24°46 | W 6 |
| T 7 | 7 7 20 | 16°24'28 | 14°27 | 27°43 | 1°55 | 11°30 | 3°58 | 6°58 | 27°15 | 25°35 | 21°39 | 1° 2 | 0° 7 | 17°45 | 24°42 | T 7 |
| F 8 | 7 11 16 | 17°25'30 | 26°17 | 29° 7 | 3°10 | 12° 5 | 4° 9 | 6°56 | 27°16 | 25°37 | 21°40 | 0°59 | 0° 4 | 17°52 | 24°38 | F 8 |
| S 9 | 7 15 13 | 18°26'33 | 8♍ 7 | 0♑31 | 4°25 | 12°39 | 4°20 | 6°53 | 27°18 | 25°39 | 21°42 | 0°57 | 0° 1 | 17°58 | 24°34 | S 9 |
| S 10 | 7 19 10 | 19°27'36 | 20° 1 | 1°57 | 5°40 | 13°13 | 4°31 | 6°51 | 27°19 | 25°42 | 21°43 | 0°54 | 29♐58 | 18° 5 | 24°30 | S 10 |
| M11 | 7 23 6 | 20°28'40 | 2♎ 3 | 3°23 | 6°55 | 13°48 | 4°42 | 6°48 | 27°20 | 25°44 | 21°45 | 0°52 | 29°54 | 18°12 | 24°26 | M11 |
| T 12 | 7 27 3 | 21°29'45 | 14°15 | 4°49 | 8°11 | 14°22 | 4°53 | 6°46 | 27°21 | 25°46 | 21°46 | 0°51 | 29°51 | 18°19 | 24°22 | T 12 |
| W13 | 7 30 59 | 22°30'50 | 26°44 | 6°17 | 9°26 | 14°56 | 5° 4 | 6°43 | 27°22 | 25°48 | 21°48 | 0°D51 | 29°48 | 18°25 | 24°18 | W13 |
| T 14 | 7 34 56 | 23°31'56 | 9♏33 | 7°45 | 10°41 | 15°30 | 5°15 | 6°40 | 27°23 | 25°51 | 21°49 | 0°51 | 29°45 | 18°32 | 24°14 | T 14 |
| F 15 | 7 38 52 | 24°33'02 | 22°45 | 9°13 | 11°56 | 16° 4 | 5°25 | 6°37 | 27°24 | 25°53 | 21°51 | 0°53 | 29°42 | 18°39 | 24° 9 | F 15 |
| S 16 | 7 42 49 | 25°34'09 | 6♐24 | 10°43 | 13°11 | 16°38 | 5°36 | 6°34 | 27°25 | 25°55 | 21°52 | 0°55 | 29°39 | 18°45 | 24° 5 | S 16 |
| S 17 | 7 46 45 | 26°35'16 | 20°31 | 12°12 | 14°26 | 17°12 | 5°46 | 6°31 | 27°26 | 25°58 | 21°53 | 0°56 | 29°35 | 18°52 | 24° 1 | S 17 |
| M18 | 7 50 42 | 27°36'24 | 5♑ 4 | 13°42 | 15°41 | 17°46 | 5°57 | 6°28 | 27°27 | 26° 0 | 21°55 | 0°R56 | 29°32 | 18°59 | 23°57 | M18 |
| T 19 | 7 54 39 | 28°37'32 | 19°59 | 15°12 | 16°57 | 18°20 | 6° 7 | 6°25 | 27°28 | 26° 2 | 21°56 | 0°55 | 29°29 | 19° 5 | 23°53 | T 19 |
| W20 | 7 58 35 | 29°38'40 | 5♒ 7 | 16°43 | 18°12 | 18°54 | 6°17 | 6°21 | 27°28 | 26° 4 | 21°57 | 0°52 | 29°26 | 19°12 | 23°49 | W20 |
| T 21 | 8 2 32 | 0♒39'48 | 20°20 | 18°15 | 19°27 | 19°27 | 6°27 | 6°18 | 27°29 | 26° 7 | 21°58 | 0°48 | 29°23 | 19°19 | 23°45 | T 21 |
| F 22 | 8 6 28 | 1°40'55 | 5♓27 | 19°46 | 20°42 | 20° 1 | 6°37 | 6°14 | 27°29 | 26° 9 | 22° 0 | 0°44 | 29°20 | 19°25 | 23°41 | F 22 |
| S 23 | 8 10 25 | 2°42'02 | 20°20 | 21°18 | 21°57 | 20°34 | 6°47 | 6°11 | 27°30 | 26°11 | 22° 1 | 0°39 | 29°16 | 19°32 | 23°37 | S 23 |
| S 24 | 8 14 21 | 3°43'09 | 4♈50 | 22°51 | 23°12 | 21° 7 | 6°57 | 6° 7 | 27°30 | 26°13 | 22° 2 | 0°35 | 29°13 | 19°39 | 23°33 | S 24 |
| M25 | 8 18 18 | 4°44'16 | 18°54 | 24°24 | 24°27 | 21°41 | 7° 7 | 6° 3 | 27°31 | 26°16 | 22° 3 | 0°33 | 29°10 | 19°46 | 23°29 | M25 |
| T 26 | 8 22 14 | 5°45'22 | 2♉32 | 25°57 | 25°42 | 22°14 | 7°16 | 6° 0 | 27°31 | 26°18 | 22° 4 | 0°D32 | 29° 7 | 19°52 | 23°25 | T 26 |
| W27 | 8 26 11 | 6°46'27 | 15°45 | 27°31 | 26°57 | 22°47 | 7°26 | 5°56 | 27°31 | 26°20 | 22° 5 | 0°32 | 29° 4 | 19°59 | 23°21 | W27 |
| T 28 | 8 30 8 | 7°47'33 | 28°35 | 29° 5 | 28°12 | 23°20 | 7°35 | 5°52 | 27°32 | 26°22 | 22° 6 | 0°33 | 29° 0 | 20° 6 | 23°17 | T 28 |
| F 29 | 8 34 4 | 8°48'37 | 11♊ 7 | 0♒40 | 29°27 | 23°53 | 7°44 | 5°48 | 27°32 | 26°25 | 22° 7 | 0°35 | 28°57 | 20°12 | 23°13 | F 29 |
| S 30 | 8 38 1 | 9°49'41 | 23°25 | 2°15 | 0♓42 | 24°26 | 7°54 | 5°44 | 27°32 | 26°27 | 22° 8 | 0°36 | 28°54 | 20°19 | 23° 9 | S 30 |
| S 31 | 8 41 57 | 10♒50'45 | 5♋32 | 3♒51 | 1♓57 | 24♏58 | 8♐ 3 | 5♍40 | 27♎32 | 26♑29 | 22♏ 9 | 0°R36 | 28♐51 | 20♌26 | 23♋ 6 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s55 | 22n55 | 2n37 | 21s15 | 1n40 | 22s14 | 1s 7 | 12s55 | 1n16 | 19s44 | 0n53 | 10n 3 | 1n18 | 9s47 | 0n38 | 20s14 | 0n44 | 2s28 | 16n 5 | 23s18 | 23s19 | 12n 3 | 13n16 | 7s51 |
| S 2 | 22 50 | 23 55 | 1 33 | 21 28 | 1 33 | 22 2 | 1 9 | 13 6 | 1 16 | 19 46 | 0 53 | 10 4 | 1 18 | 9 48 | 0 38 | 20 14 | 0 44 | 2 28 | 16 5 | 23 18 | 23 19 | 12 1 | 13 17 | 7 52 |
| S 3 | 22 45 | 23 42 | 0 26 | 21 41 | 1 24 | 21 50 | 1 11 | 13 17 | 1 16 | 19 49 | 0 53 | 10 4 | 1 18 | 9 49 | 0 38 | 20 13 | 0 44 | 2 29 | 16 5 | 23 18 | 23 19 | 11 58 | 13 17 | 7 52 |
| M 4 | 22 39 | 22 21 | 0s41 | 21 53 | 1 16 | 21 36 | 1 13 | 13 28 | 1 16 | 19 51 | 0 53 | 10 5 | 1 19 | 9 49 | 0 38 | 20 13 | 0 44 | 2 29 | 16 6 | 23 18 | 23 19 | 11 56 | 13 18 | 7 52 |
| T 5 | 22 33 | 19 59 | 1 46 | 22 5 | 1 8 | 21 23 | 1 14 | 13 39 | 1 16 | 19 53 | 0 54 | 10 6 | 1 19 | 9 50 | 0 38 | 20 12 | 0 44 | 2 29 | 16 6 | 23 18 | 23 19 | 11 53 | 13 18 | 7 52 |
| W 6 | 22 26 | 16 47 | 2 46 | 22 16 | 1 0 | 21 8 | 1 16 | 13 50 | 1 15 | 19 55 | 0 54 | 10 7 | 1 19 | 9 50 | 0 38 | 20 12 | 0 44 | 2 29 | 16 7 | 23 18 | 23 19 | 11 51 | 13 19 | 7 52 |
| T 7 | 22 19 | 12 56 | 3 37 | 22 26 | 0 52 | 20 53 | 1 17 | 14 1 | 1 15 | 19 57 | 0 54 | 10 8 | 1 19 | 9 51 | 0 38 | 20 12 | 0 44 | 2 29 | 16 7 | 23 18 | 23 19 | 11 48 | 13 19 | 7 52 |
| F 8 | 22 11 | 8 37 | 4 20 | 22 35 | 0 44 | 20 37 | 1 19 | 14 11 | 1 15 | 19 59 | 0 54 | 10 9 | 1 19 | 9 51 | 0 38 | 20 11 | 0 44 | 2 29 | 16 7 | 23 19 | 23 19 | 11 46 | 13 20 | 7 53 |
| S 9 | 22 3 | 3 59 | 4 51 | 22 43 | 0 36 | 20 21 | 1 20 | 14 22 | 1 15 | 20 1 | 0 54 | 10 10 | 1 20 | 9 51 | 0 38 | 20 11 | 0 44 | 2 28 | 16 8 | 23 19 | 23 19 | 11 43 | 13 20 | 7 53 |
| S 10 | 21 55 | 0s49 | 5 10 | 22 50 | 0 28 | 20 4 | 1 21 | 14 32 | 1 15 | 20 3 | 0 54 | 10 11 | 1 20 | 9 52 | 0 38 | 20 10 | 0 44 | 2 28 | 16 8 | 23 19 | 23 19 | 11 40 | 13 21 | 7 53 |
| M11 | 21 46 | 5 38 | 5 15 | 22 56 | 0 20 | 19 47 | 1 23 | 14 43 | 1 15 | 20 5 | 0 54 | 10 12 | 1 20 | 9 52 | 0 38 | 20 10 | 0 44 | 2 28 | 16 9 | 23 19 | 23 19 | 11 38 | 13 21 | 7 53 |
| T 12 | 21 36 | 10 18 | 5 7 | 23 2 | 0 12 | 19 29 | 1 24 | 14 53 | 1 14 | 20 7 | 0 54 | 10 14 | 1 20 | 9 53 | 0 38 | 20 10 | 0 44 | 2 28 | 16 9 | 23 19 | 23 19 | 11 35 | 13 22 | 7 53 |
| W13 | 21 27 | 14 40 | 4 44 | 23 6 | 0 4 | 19 10 | 1 25 | 15 3 | 1 14 | 20 9 | 0 54 | 10 15 | 1 20 | 9 53 | 0 38 | 20 9 | 0 44 | 2 28 | 16 10 | 23 19 | 23 19 | 11 33 | 13 23 | 7 53 |
| T 14 | 21 16 | 18 29 | 4 6 | 23 8 | 0s 3 | 18 51 | 1 26 | 15 13 | 1 14 | 20 11 | 0 54 | 10 16 | 1 21 | 9 53 | 0 39 | 20 9 | 0 44 | 2 28 | 16 10 | 23 19 | 23 19 | 11 30 | 13 23 | 7 53 |
| F 15 | 21 6 | 21 30 | 3 15 | 23 10 | 0 11 | 18 31 | 1 27 | 15 23 | 1 14 | 20 12 | 0 54 | 10 17 | 1 21 | 9 54 | 0 39 | 20 8 | 0 44 | 2 28 | 16 11 | 23 19 | 23 19 | 11 28 | 13 24 | 7 53 |
| S 16 | 20 55 | 23 25 | 2 11 | 23 11 | 0 18 | 18 11 | 1 28 | 15 33 | 1 14 | 20 14 | 0 54 | 10 19 | 1 21 | 9 54 | 0 39 | 20 8 | 0 44 | 2 28 | 16 11 | 23 19 | 23 19 | 11 25 | 13 24 | 7 53 |
| S 17 | 20 44 | 23 55 | 0 57 | 23 10 | 0 25 | 17 50 | 1 29 | 15 42 | 1 13 | 20 16 | 0 54 | 10 20 | 1 21 | 9 54 | 0 39 | 20 8 | 0 44 | 2 28 | 16 11 | 23 19 | 23 19 | 11 22 | 13 25 | 7 53 |
| M18 | 20 32 | 22 50 | 0n23 | 23 8 | 0 32 | 17 29 | 1 30 | 15 52 | 1 13 | 20 18 | 0 54 | 10 21 | 1 21 | 9 54 | 0 39 | 20 7 | 0 44 | 2 28 | 16 12 | 23 19 | 23 19 | 11 20 | 13 26 | 7 53 |
| T 19 | 20 20 | 20 8 | 1 43 | 23 5 | 0 39 | 17 7 | 1 31 | 16 1 | 1 13 | 20 19 | 0 54 | 10 23 | 1 22 | 9 55 | 0 39 | 20 7 | 0 44 | 2 27 | 16 12 | 23 19 | 23 19 | 11 17 | 13 27 | 7 53 |
| W20 | 20 7 | 16 2 | 2 57 | 23 1 | 0 45 | 16 45 | 1 32 | 16 11 | 1 13 | 20 21 | 0 54 | 10 24 | 1 22 | 9 55 | 0 39 | 20 6 | 0 44 | 2 27 | 16 13 | 23 19 | 23 19 | 11 15 | 13 27 | 7 53 |
| T 21 | 19 54 | 10 52 | 3 58 | 22 56 | 0 52 | 16 22 | 1 32 | 16 20 | 1 13 | 20 23 | 0 54 | 10 25 | 1 22 | 9 55 | 0 39 | 20 6 | 0 44 | 2 27 | 16 13 | 23 19 | 23 19 | 11 12 | 13 28 | 7 53 |
| F 22 | 19 41 | 5 4 | 4 43 | 22 49 | 0 58 | 15 59 | 1 33 | 16 29 | 1 12 | 20 24 | 0 54 | 10 27 | 1 22 | 9 55 | 0 39 | 20 6 | 0 44 | 2 27 | 16 14 | 23 19 | 23 19 | 11 9 | 13 29 | 7 53 |
| S 23 | 19 27 | 0n54 | 5 7 | 22 41 | 1 4 | 15 35 | 1 33 | 16 38 | 1 12 | 20 26 | 0 55 | 10 28 | 1 22 | 9 55 | 0 39 | 20 5 | 0 44 | 2 27 | 16 14 | 23 19 | 23 19 | 11 7 | 13 29 | 7 53 |
| S 24 | 19 13 | 6 41 | 5 12 | 22 32 | 1 9 | 15 11 | 1 34 | 16 47 | 1 12 | 20 27 | 0 55 | 10 30 | 1 23 | 9 56 | 0 39 | 20 5 | 0 44 | 2 26 | 16 15 | 23 19 | 23 19 | 11 4 | 13 30 | 7 53 |
| M25 | 18 59 | 11 56 | 4 57 | 22 21 | 1 15 | 14 47 | 1 34 | 16 56 | 1 12 | 20 29 | 0 55 | 10 31 | 1 23 | 9 56 | 0 39 | 20 4 | 0 44 | 2 26 | 16 15 | 23 19 | 23 19 | 11 2 | 13 31 | 7 53 |
| T 26 | 18 44 | 16 26 | 4 25 | 22 10 | 1 20 | 14 22 | 1 35 | 17 5 | 1 11 | 20 31 | 0 55 | 10 33 | 1 23 | 9 56 | 0 39 | 20 4 | 0 44 | 2 26 | 16 16 | 23 19 | 23 19 | 10 59 | 13 32 | 7 52 |
| W27 | 18 29 | 19 59 | 3 40 | 21 57 | 1 25 | 13 57 | 1 35 | 17 13 | 1 11 | 20 32 | 0 55 | 10 35 | 1 23 | 9 56 | 0 39 | 20 3 | 0 44 | 2 26 | 16 16 | 23 19 | 23 19 | 10 57 | 13 32 | 7 52 |
| T 28 | 18 13 | 22 26 | 2 46 | 21 42 | 1 30 | 13 31 | 1 35 | 17 22 | 1 11 | 20 33 | 0 55 | 10 36 | 1 23 | 9 56 | 0 39 | 20 3 | 0 44 | 2 25 | 16 17 | 23 19 | 23 19 | 10 54 | 13 33 | 7 52 |
| F 29 | 17 58 | 23 43 | 1 44 | 21 27 | 1 35 | 13 5 | 1 35 | 17 30 | 1 11 | 20 35 | 0 55 | 10 38 | 1 23 | 9 56 | 0 39 | 20 3 | 0 44 | 2 25 | 16 17 | 23 19 | 23 18 | 10 51 | 13 34 | 7 52 |
| S 30 | 17 42 | 23 48 | 0 39 | 21 10 | 1 39 | 12 39 | 1 35 | 17 38 | 1 10 | 20 36 | 0 55 | 10 39 | 1 24 | 9 56 | 0 39 | 20 2 | 0 44 | 2 25 | 16 18 | 23 19 | 23 18 | 10 49 | 13 35 | 7 52 |
| S 31 | 17s25 | 22n45 | 0s27 | 20s52 | 1s43 | 12s12 | 1s35 | 17s47 | 1n10 | 20s38 | 0n55 | 10n41 | 1n24 | 9s56 | 0n39 | 20s 2 | 0n44 | 2s25 | 16n18 | 23s19 | 23s18 | 10n46 | 13n36 | 7s52 |

Julian Day Number = 2809117.5, Delta T = 52m37s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°26'41, Lahiri = 37°33'41


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# ASTRODIENST EPHEMERIS for the year 2979
# geocentric

## FEBRUARY 2979 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 8 45 54 | 11♒51'47 | 17♋31 | 5♒27 | 3♓12 | 25♏31 | 8♐12 | 5°R35 | 27°R32 | 26♑31 | 22♏ 9 | 0°R35 | 28♐48 | 20♌32 | 23°R 2 | M 1 |
| T 2 | 8 49 50 | 12°52'50 | 29°25 | 7° 3 | 4°27 | 26° 4 | 8°20 | 5♍31 | 27♎32 | 26°34 | 22°10 | 0♑31 | 28°45 | 20°39 | 22♋58 | T 2 |
| W 3 | 8 53 47 | 13°53'51 | 11♌17 | 8°41 | 5°42 | 26°36 | 8°29 | 5°27 | 27°32 | 26°36 | 22°11 | 0°25 | 28°41 | 20°46 | 22°54 | W 3 |
| T 4 | 8 57 43 | 14°54'53 | 23° 8 | 10°18 | 6°57 | 27° 8 | 8°38 | 5°22 | 27°32 | 26°38 | 22°12 | 0°17 | 28°38 | 20°52 | 22°51 | T 4 |
| F 5 | 9 1 40 | 15°55'53 | 4♍59 | 11°57 | 8°12 | 27°41 | 8°46 | 5°18 | 27°32 | 26°40 | 22°12 | 0° 8 | 28°35 | 20°59 | 22°47 | F 5 |
| S 6 | 9 5 37 | 16°56'53 | 16°53 | 13°36 | 9°26 | 28°13 | 8°55 | 5°13 | 27°31 | 26°42 | 22°13 | 29♐59 | 28°32 | 21° 6 | 22°43 | S 6 |
| S 7 | 9 9 33 | 17°57'53 | 28°51 | 15°15 | 10°41 | 28°45 | 9° 3 | 5° 9 | 27°31 | 26°44 | 22°14 | 29°50 | 28°29 | 21°13 | 22°40 | S 7 |
| M 8 | 9 13 30 | 18°58'52 | 10♎56 | 16°55 | 11°56 | 29°17 | 9°11 | 5° 4 | 27°31 | 26°47 | 22°14 | 29°42 | 28°26 | 21°19 | 22°36 | M 8 |
| T 9 | 9 17 26 | 19°59'51 | 23° 9 | 18°36 | 13°11 | 29°49 | 9°19 | 5° 0 | 27°30 | 26°49 | 22°15 | 29°36 | 28°22 | 21°26 | 22°33 | T 9 |
| W10 | 9 21 23 | 21° 0'49 | 5♏36 | 20°17 | 14°25 | 0♐20 | 9°27 | 4°55 | 27°30 | 26°51 | 22°15 | 29°32 | 28°19 | 21°33 | 22°29 | W10 |
| T 11 | 9 25 19 | 22° 1'47 | 18°19 | 21°59 | 15°40 | 0°52 | 9°34 | 4°50 | 27°29 | 26°53 | 22°16 | 29°D31 | 28°16 | 21°39 | 22°26 | T 11 |
| F 12 | 9 29 16 | 23° 2'44 | 1♐23 | 23°41 | 16°55 | 1°24 | 9°42 | 4°46 | 27°28 | 26°55 | 22°16 | 29°31 | 28°13 | 21°46 | 22°23 | F 12 |
| S 13 | 9 33 12 | 24° 3'41 | 14°51 | 25°25 | 18° 9 | 1°55 | 9°49 | 4°41 | 27°28 | 26°57 | 22°17 | 29°32 | 28°10 | 21°53 | 22°20 | S 13 |
| S 14 | 9 37 9 | 25° 4'37 | 28°45 | 27° 8 | 19°24 | 2°26 | 9°57 | 4°36 | 27°27 | 26°59 | 22°17 | 29°R33 | 28° 6 | 21°59 | 22°16 | S 14 |
| M15 | 9 41 6 | 26° 5'33 | 13♑ 7 | 28°53 | 20°39 | 2°57 | 10° 4 | 4°31 | 27°26 | 27° 1 | 22°17 | 29°32 | 28° 3 | 22° 6 | 22°13 | M15 |
| T 16 | 9 45 2 | 27° 6'28 | 27°55 | 0♓38 | 21°53 | 3°28 | 10°11 | 4°27 | 27°25 | 27° 3 | 22°18 | 29°29 | 28° 0 | 22°13 | 22°10 | T 16 |
| W17 | 9 48 59 | 28° 7'22 | 13♒ 2 | 2°23 | 23° 8 | 3°59 | 10°18 | 4°22 | 27°25 | 27° 5 | 22°18 | 29°23 | 27°57 | 22°19 | 22° 7 | W17 |
| T 18 | 9 52 55 | 29° 8'15 | 28°20 | 4° 9 | 24°22 | 4°30 | 10°24 | 4°17 | 27°24 | 27° 7 | 22°18 | 29°15 | 27°54 | 22°26 | 22° 4 | T 18 |
| F 19 | 9 56 52 | 0♓ 9'07 | 13♓39 | 5°56 | 25°37 | 5° 1 | 10°31 | 4°12 | 27°23 | 27° 9 | 22°18 | 29° 6 | 27°51 | 22°33 | 22° 1 | F 19 |
| S 20 | 10 0 48 | 1° 9'58 | 28°46 | 7°43 | 26°51 | 5°31 | 10°37 | 4° 7 | 27°22 | 27°11 | 22°18 | 28°56 | 27°47 | 22°40 | 21°58 | S 20 |
| S 21 | 10 4 45 | 2°10'48 | 13♈32 | 9°30 | 28° 6 | 6° 1 | 10°44 | 4° 2 | 27°21 | 27°13 | 22°18 | 28°47 | 27°44 | 22°46 | 21°56 | S 21 |
| M22 | 10 8 41 | 3°11'36 | 27°50 | 11°18 | 29°20 | 6°32 | 10°50 | 3°57 | 27°19 | 27°15 | 22°19 | 28°40 | 27°41 | 22°53 | 21°53 | M22 |
| T 23 | 10 12 38 | 4°12'23 | 11♉38 | 13° 6 | 0♈34 | 7° 2 | 10°56 | 3°52 | 27°18 | 27°17 | 22°R19 | 28°35 | 27°38 | 23° 0 | 21°50 | T 23 |
| W24 | 10 16 35 | 5°13'09 | 24°57 | 14°54 | 1°49 | 7°31 | 11° 2 | 3°48 | 27°17 | 27°19 | 22°19 | 28°33 | 27°35 | 23° 6 | 21°48 | W24 |
| T 25 | 10 20 31 | 6°13'53 | 7♊49 | 16°41 | 3° 3 | 8° 1 | 11° 7 | 3°43 | 27°16 | 27°21 | 22°19 | 28°D33 | 27°32 | 23°13 | 21°45 | T 25 |
| F 26 | 10 24 28 | 7°14'36 | 20°19 | 18°29 | 4°17 | 8°31 | 11°13 | 3°38 | 27°14 | 27°23 | 22°18 | 28°33 | 27°28 | 23°20 | 21°43 | F 26 |
| S 27 | 10 28 24 | 8°15'17 | 2♋32 | 20°16 | 5°31 | 9° 0 | 11°18 | 3°33 | 27°13 | 27°24 | 22°18 | 28°R33 | 27°25 | 23°26 | 21°41 | S 27 |
| S 28 | 10 32 21 | 9♓15'57 | 14♋33 | 22♓ 1 | 6♈45 | 9♐29 | 11♐23 | 3♍28 | 27♎12 | 27♑26 | 22♏18 | 28♐32 | 27♐22 | 23♌33 | 21♋38 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17s 8 | 20n41 | 1s31 | 20s32 | 1s47 | 11s45 | 1s35 | 17s55 | 1n10 | 20s39 | 0n55 | 10n43 | 1n24 | 9s56 | 0n39 | 20s 1 | 0n44 | 2s24 | 16n19 | 23s19 | 23s18 | 10n44 | 13n36 | 7s51 |
| T 2 | 16 51 | 17 43 | 2 30 | 20 11 | 1 50 | 11 18 | 1 35 | 18 2 | 1 9 | 20 40 | 0 55 | 10 45 | 1 24 | 9 56 | 0 39 | 20 1 | 0 44 | 2 24 | 16 19 | 23 19 | 23 18 | 10 41 | 13 37 | 7 51 |
| W 3 | 16 34 | 14 3 | 3 22 | 19 49 | 1 53 | 10 51 | 1 35 | 18 10 | 1 9 | 20 42 | 0 55 | 10 46 | 1 24 | 9 56 | 0 39 | 20 1 | 0 44 | 2 24 | 16 20 | 23 19 | 23 18 | 10 38 | 13 38 | 7 51 |
| T 4 | 16 17 | 9 52 | 4 6 | 19 26 | 1 56 | 10 23 | 1 34 | 18 18 | 1 9 | 20 43 | 0 55 | 10 48 | 1 24 | 9 56 | 0 39 | 20 0 | 0 44 | 2 23 | 16 20 | 23 19 | 23 18 | 10 36 | 13 39 | 7 51 |
| F 5 | 15 59 | 5 18 | 4 38 | 19 1 | 1 59 | 9 55 | 1 34 | 18 25 | 1 9 | 20 44 | 0 55 | 10 50 | 1 24 | 9 56 | 0 39 | 20 0 | 0 44 | 2 23 | 16 21 | 23 19 | 23 18 | 10 33 | 13 40 | 7 50 |
| S 6 | 15 40 | 0 33 | 4 59 | 18 35 | 2 1 | 9 26 | 1 34 | 18 33 | 1 8 | 20 45 | 0 56 | 10 52 | 1 25 | 9 56 | 0 39 | 19 59 | 0 44 | 2 23 | 16 21 | 23 19 | 23 18 | 10 31 | 13 40 | 7 50 |
| S 7 | 15 22 | 4s15 | 5 7 | 18 8 | 2 3 | 8 57 | 1 33 | 18 40 | 1 8 | 20 46 | 0 56 | 10 53 | 1 25 | 9 55 | 0 39 | 19 59 | 0 44 | 2 22 | 16 22 | 23 19 | 23 18 | 10 28 | 13 41 | 7 50 |
| M 8 | 15 3 | 8 55 | 5 1 | 17 39 | 2 4 | 8 29 | 1 32 | 18 47 | 1 7 | 20 47 | 0 56 | 10 55 | 1 25 | 9 55 | 0 39 | 19 59 | 0 44 | 2 22 | 16 23 | 23 19 | 23 18 | 10 25 | 13 42 | 7 50 |
| T 9 | 14 44 | 13 19 | 4 42 | 17 10 | 2 5 | 7 59 | 1 32 | 18 55 | 1 7 | 20 49 | 0 56 | 10 57 | 1 25 | 9 55 | 0 39 | 19 58 | 0 44 | 2 21 | 16 23 | 23 19 | 23 18 | 10 23 | 13 43 | 7 49 |
| W10 | 14 25 | 17 14 | 4 9 | 16 38 | 2 6 | 7 30 | 1 31 | 19 2 | 1 7 | 20 50 | 0 56 | 10 59 | 1 25 | 9 55 | 0 39 | 19 58 | 0 44 | 2 21 | 16 24 | 23 19 | 23 18 | 10 20 | 13 44 | 7 49 |
| T 11 | 14 6 | 20 26 | 3 23 | 16 6 | 2 6 | 7 1 | 1 30 | 19 8 | 1 6 | 20 51 | 0 56 | 11 1 | 1 25 | 9 55 | 0 39 | 19 57 | 0 44 | 2 21 | 16 24 | 23 19 | 23 18 | 10 18 | 13 45 | 7 49 |
| F 12 | 13 46 | 22 42 | 2 25 | 15 32 | 2 6 | 6 31 | 1 29 | 19 15 | 1 6 | 20 52 | 0 56 | 11 2 | 1 25 | 9 54 | 0 39 | 19 57 | 0 44 | 2 20 | 16 25 | 23 19 | 23 18 | 10 15 | 13 45 | 7 48 |
| S 13 | 13 26 | 23 45 | 1 18 | 14 57 | 2 6 | 6 1 | 1 28 | 19 22 | 1 6 | 20 53 | 0 56 | 11 4 | 1 26 | 9 54 | 0 39 | 19 57 | 0 44 | 2 20 | 16 25 | 23 19 | 23 18 | 10 12 | 13 46 | 7 48 |
| S 14 | 13 6 | 23 23 | 0 4 | 14 21 | 2 5 | 5 31 | 1 27 | 19 28 | 1 5 | 20 54 | 0 56 | 11 6 | 1 26 | 9 54 | 0 39 | 19 56 | 0 44 | 2 19 | 16 26 | 23 19 | 23 18 | 10 10 | 13 47 | 7 48 |
| M15 | 12 45 | 21 28 | 1n12 | 13 44 | 2 3 | 5 1 | 1 26 | 19 35 | 1 5 | 20 55 | 0 56 | 11 8 | 1 26 | 9 54 | 0 39 | 19 56 | 0 44 | 2 19 | 16 26 | 23 19 | 23 18 | 10 7 | 13 48 | 7 47 |
| T 16 | 12 25 | 18 5 | 2 26 | 13 5 | 2 1 | 4 30 | 1 25 | 19 41 | 1 4 | 20 56 | 0 56 | 11 10 | 1 26 | 9 53 | 0 40 | 19 55 | 0 44 | 2 18 | 16 27 | 23 19 | 23 18 | 10 4 | 13 49 | 7 47 |
| W17 | 12 4 | 13 27 | 3 31 | 12 25 | 1 59 | 4 0 | 1 24 | 19 47 | 1 4 | 20 56 | 0 57 | 11 12 | 1 26 | 9 53 | 0 40 | 19 55 | 0 44 | 2 18 | 16 27 | 23 19 | 23 18 | 10 2 | 13 50 | 7 46 |
| T 18 | 11 43 | 7 54 | 4 21 | 11 44 | 1 56 | 3 29 | 1 23 | 19 53 | 1 3 | 20 57 | 0 57 | 11 14 | 1 26 | 9 53 | 0 40 | 19 55 | 0 44 | 2 18 | 16 28 | 23 19 | 23 18 | 9 59 | 13 51 | 7 46 |
| F 19 | 11 22 | 1 53 | 4 53 | 11 2 | 1 52 | 2 59 | 1 21 | 19 59 | 1 3 | 20 58 | 0 57 | 11 15 | 1 26 | 9 52 | 0 40 | 19 54 | 0 44 | 2 17 | 16 28 | 23 19 | 23 18 | 9 57 | 13 51 | 7 46 |
| S 20 | 11 0 | 4n10 | 5 4 | 10 18 | 1 48 | 2 28 | 1 20 | 20 5 | 1 3 | 20 59 | 0 57 | 11 17 | 1 26 | 9 52 | 0 40 | 19 54 | 0 44 | 2 17 | 16 29 | 23 18 | 23 18 | 9 54 | 13 52 | 7 45 |
| S 21 | 10 39 | 9 50 | 4 54 | 9 34 | 1 44 | 1 57 | 1 18 | 20 11 | 1 2 | 21 0 | 0 57 | 11 19 | 1 26 | 9 51 | 0 40 | 19 53 | 0 44 | 2 16 | 16 29 | 23 18 | 23 18 | 9 51 | 13 53 | 7 45 |
| M22 | 10 17 | 14 47 | 4 26 | 8 49 | 1 39 | 1 26 | 1 17 | 20 16 | 1 2 | 21 0 | 0 57 | 11 21 | 1 27 | 9 51 | 0 40 | 19 53 | 0 44 | 2 16 | 16 30 | 23 18 | 23 18 | 9 49 | 13 54 | 7 44 |
| T 23 | 9 55 | 18 47 | 3 43 | 8 2 | 1 33 | 0 55 | 1 15 | 20 22 | 1 1 | 21 1 | 0 57 | 11 23 | 1 27 | 9 50 | 0 40 | 19 53 | 0 44 | 2 15 | 16 31 | 23 18 | 23 17 | 9 46 | 13 55 | 7 44 |
| W24 | 9 33 | 21 38 | 2 49 | 7 15 | 1 26 | 0 24 | 1 13 | 20 27 | 1 1 | 21 2 | 0 57 | 11 25 | 1 27 | 9 50 | 0 40 | 19 52 | 0 44 | 2 15 | 16 31 | 23 18 | 23 17 | 9 44 | 13 56 | 7 43 |
| T 25 | 9 11 | 23 17 | 1 48 | 6 27 | 1 19 | 0n 7 | 1 12 | 20 32 | 1 0 | 21 3 | 0 57 | 11 27 | 1 27 | 9 50 | 0 40 | 19 52 | 0 44 | 2 14 | 16 32 | 23 18 | 23 17 | 9 41 | 13 57 | 7 43 |
| F 26 | 8 48 | 23 41 | 0 44 | 5 38 | 1 11 | 0 38 | 1 10 | 20 38 | 0 59 | 21 3 | 0 58 | 11 28 | 1 27 | 9 49 | 0 40 | 19 52 | 0 44 | 2 14 | 16 32 | 23 18 | 23 17 | 9 38 | 13 57 | 7 42 |
| S 27 | 8 26 | 22 56 | 0s21 | 4 48 | 1 3 | 1 9 | 1 8 | 20 43 | 0 59 | 21 4 | 0 58 | 11 30 | 1 27 | 9 49 | 0 40 | 19 51 | 0 44 | 2 13 | 16 33 | 23 18 | 23 17 | 9 36 | 13 58 | 7 42 |
| S 28 | 8s 3 | 21n 8 | 1s24 | 3s58 | 0s54 | 1n40 | 1s 6 | 20s48 | 0n58 | 21s 4 | 0n58 | 11n32 | 1n27 | 9s48 | 0n40 | 19s51 | 0n44 | 2s12 | 16n33 | 23s18 | 23s17 | 9n33 | 13n59 | 7s41 |

Julian Day Number = 2809148.5, Delta T = 52m37s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°26'45, Lahiri = 37°33'46


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# ASTRODIENST EPHEMERIS for the year 2979
# geocentric

## MARCH 2979 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 36 17 | 10♓16'35 | 26♋26 | 23♓46 | 7♈59 | 9♐58 | 11♐28 | 3°R23 | 27°R10 | 27♑28 | 22°R18 | 28°R28 | 27♐19 | 23♌40 | 21°R36 | M 1 |
| T 2 | 10 40 14 | 11°17'12 | 8♌16 | 25°29 | 9°13 | 10°27 | 11°33 | 3♍18 | 27♎ 9 | 27°30 | 22♏18 | 28♐22 | 27°16 | 23°47 | 21♋34 | T 2 |
| W 3 | 10 44 10 | 12°17'46 | 20° 5 | 27°10 | 10°27 | 10°56 | 11°38 | 3°14 | 27° 7 | 27°32 | 22°18 | 28°13 | 27°12 | 23°53 | 21°32 | W 3 |
| T 4 | 10 48 7 | 13°18'20 | 1♍56 | 28°49 | 11°41 | 11°25 | 11°42 | 3° 9 | 27° 6 | 27°33 | 22°17 | 28° 1 | 27° 9 | 24° 0 | 21°30 | T 4 |
| F 5 | 10 52 4 | 14°18'52 | 13°52 | 0♈25 | 12°55 | 11°53 | 11°47 | 3° 4 | 27° 4 | 27°35 | 22°17 | 27°47 | 27° 6 | 24° 7 | 21°28 | F 5 |
| S 6 | 10 56 0 | 15°19'22 | 25°52 | 1°57 | 14° 9 | 12°21 | 11°51 | 2°59 | 27° 2 | 27°37 | 22°17 | 27°33 | 27° 3 | 24°13 | 21°26 | S 6 |
| S 7 | 10 59 57 | 16°19'51 | 7♎59 | 3°26 | 15°23 | 12°49 | 11°55 | 2°55 | 27° 0 | 27°38 | 22°16 | 27°19 | 27° 0 | 24°20 | 21°25 | S 7 |
| M 8 | 11 3 53 | 17°20'19 | 20°13 | 4°49 | 16°37 | 13°17 | 11°59 | 2°50 | 26°59 | 27°40 | 22°16 | 27° 6 | 26°57 | 24°27 | 21°23 | M 8 |
| T 9 | 11 7 50 | 18°20'45 | 2♏36 | 6° 8 | 17°50 | 13°45 | 12° 2 | 2°45 | 26°57 | 27°42 | 22°15 | 26°57 | 26°53 | 24°33 | 21°22 | T 9 |
| W10 | 11 11 46 | 19°21'11 | 15° 9 | 7°20 | 19° 4 | 14°12 | 12° 6 | 2°41 | 26°55 | 27°43 | 22°15 | 26°50 | 26°50 | 24°40 | 21°20 | W10 |
| T 11 | 11 15 43 | 20°21'34 | 27°55 | 8°25 | 20°18 | 14°39 | 12° 9 | 2°36 | 26°53 | 27°45 | 22°14 | 26°46 | 26°47 | 24°47 | 21°19 | T 11 |
| F 12 | 11 19 39 | 21°21'57 | 10♐58 | 9°23 | 21°31 | 15° 6 | 12°12 | 2°32 | 26°51 | 27°46 | 22°14 | 26°45 | 26°44 | 24°54 | 21°18 | F 12 |
| S 13 | 11 23 36 | 22°22'18 | 24°19 | 10°14 | 22°45 | 15°33 | 12°15 | 2°27 | 26°49 | 27°48 | 22°13 | 26°44 | 26°41 | 25° 0 | 21°16 | S 13 |
| S 14 | 11 27 32 | 23°22'38 | 8♑ 2 | 10°56 | 23°58 | 16° 0 | 12°18 | 2°23 | 26°47 | 27°49 | 22°13 | 26°44 | 26°37 | 25° 7 | 21°15 | S 14 |
| M15 | 11 31 29 | 24°22'56 | 22° 9 | 11°29 | 25°11 | 16°26 | 12°21 | 2°19 | 26°45 | 27°51 | 22°12 | 26°43 | 26°34 | 25°14 | 21°14 | M15 |
| T 16 | 11 35 26 | 25°23'14 | 6♒39 | 11°53 | 26°25 | 16°52 | 12°23 | 2°14 | 26°43 | 27°52 | 22°11 | 26°39 | 26°31 | 25°20 | 21°13 | T 16 |
| W17 | 11 39 22 | 26°23'29 | 21°29 | 12° 7 | 27°38 | 17°18 | 12°25 | 2°10 | 26°41 | 27°54 | 22°10 | 26°32 | 26°28 | 25°27 | 21°12 | W17 |
| T 18 | 11 43 19 | 27°23'43 | 6♓33 | 12°R12 | 28°51 | 17°44 | 12°28 | 2° 6 | 26°39 | 27°55 | 22°10 | 26°23 | 26°25 | 25°34 | 21°12 | T 18 |
| F 19 | 11 47 15 | 28°23'56 | 21°42 | 12° 7 | 0♉ 5 | 18° 9 | 12°29 | 2° 2 | 26°37 | 27°56 | 22° 9 | 26°12 | 26°22 | 25°40 | 21°11 | F 19 |
| S 20 | 11 51 12 | 29°24'06 | 6♈46 | 11°54 | 1°18 | 18°34 | 12°31 | 1°58 | 26°35 | 27°58 | 22° 8 | 26° 0 | 26°18 | 25°47 | 21°10 | S 20 |
| S 21 | 11 55 8 | 0♈24'15 | 21°33 | 11°31 | 2°31 | 18°59 | 12°33 | 1°54 | 26°32 | 27°59 | 22° 7 | 25°49 | 26°15 | 25°54 | 21°10 | S 21 |
| M22 | 11 59 5 | 1°24'22 | 5♉57 | 11° 0 | 3°44 | 19°24 | 12°34 | 1°50 | 26°30 | 28° 0 | 22° 6 | 25°39 | 26°12 | 26° 1 | 21°10 | M22 |
| T 23 | 12 3 1 | 2°24'28 | 19°52 | 10°22 | 4°57 | 19°48 | 12°35 | 1°46 | 26°28 | 28° 1 | 22° 5 | 25°33 | 26° 9 | 26° 7 | 21° 9 | T 23 |
| W24 | 12 6 58 | 3°24'31 | 3♊18 | 9°37 | 6°10 | 20°12 | 12°36 | 1°42 | 26°26 | 28° 3 | 22° 5 | 25°29 | 26° 6 | 26°14 | 21° 9 | W24 |
| T 25 | 12 10 55 | 4°24'32 | 16°17 | 8°47 | 7°22 | 20°36 | 12°37 | 1°38 | 26°23 | 28° 4 | 22° 4 | 25°28 | 26° 3 | 26°21 | 21° 9 | T 25 |
| F 26 | 12 14 51 | 5°24'31 | 28°51 | 7°53 | 8°35 | 21° 0 | 12°37 | 1°35 | 26°21 | 28° 5 | 22° 3 | 25°27 | 25°59 | 26°27 | 21°D 9 | F 26 |
| S 27 | 12 18 48 | 6°24'28 | 11♋ 6 | 6°56 | 9°48 | 21°23 | 12°38 | 1°31 | 26°19 | 28° 6 | 22° 2 | 25°27 | 25°56 | 26°34 | 21° 9 | S 27 |
| S 28 | 12 22 44 | 7°24'23 | 23° 7 | 5°58 | 11° 0 | 21°46 | 12°38 | 1°28 | 26°16 | 28° 7 | 22° 1 | 25°26 | 25°53 | 26°41 | 21° 9 | S 28 |
| M29 | 12 26 41 | 8°24'15 | 5♌ 0 | 4°59 | 12°13 | 22° 8 | 12°R38 | 1°24 | 26°14 | 28° 8 | 21°59 | 25°23 | 25°50 | 26°48 | 21° 9 | M29 |
| T 30 | 12 30 37 | 9°24'06 | 16°50 | 4° 2 | 13°25 | 22°31 | 12°38 | 1°21 | 26°11 | 28° 9 | 21°58 | 25°18 | 25°47 | 26°54 | 21°10 | T 30 |
| W31 | 12 34 34 | 10♈23'54 | 28♌40 | 3♈ 7 | 14♉38 | 22♐53 | 12♐37 | 1♍18 | 26♎ 9 | 28♑10 | 21♏57 | 25♐ 9 | 25♐43 | 27♌ 1 | 21♋10 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7s41 | 18n26 | 2s22 | 3s 8 | 0s44 | 2n11 | 1s 4 | 20s52 | 0n58 | 21s 5 | 0n58 | 11n34 | 1n27 | 9s47 | 0n40 | 19s50 | 0n44 | 2s12 | 16n34 | 23s18 | 23s17 | 9n30 | 14n 0 | 7s41 |
| T 2 | 7 18 | 14 59 | 3 14 | 2 18 | 0 34 | 2 41 | 1 2 | 20 57 | 0 57 | 21 6 | 0 58 | 11 36 | 1 27 | 9 47 | 0 40 | 19 50 | 0 44 | 2 11 | 16 34 | 23 18 | 23 17 | 9 28 | 14 1 | 7 40 |
| W 3 | 6 55 | 10 57 | 3 57 | 1 28 | 0 23 | 3 12 | 1 0 | 21 2 | 0 57 | 21 6 | 0 58 | 11 37 | 1 27 | 9 46 | 0 40 | 19 50 | 0 44 | 2 11 | 16 35 | 23 18 | 23 17 | 9 25 | 14 2 | 7 40 |
| T 4 | 6 32 | 6 31 | 4 30 | 0 38 | 0 11 | 3 43 | 0 57 | 21 6 | 0 56 | 21 7 | 0 58 | 11 39 | 1 27 | 9 46 | 0 40 | 19 49 | 0 44 | 2 10 | 16 35 | 23 18 | 23 17 | 9 23 | 14 2 | 7 39 |
| F 5 | 6 9 | 1 49 | 4 51 | 0n11 | 0n 2 | 4 14 | 0 55 | 21 11 | 0 55 | 21 7 | 0 58 | 11 41 | 1 27 | 9 45 | 0 40 | 19 49 | 0 44 | 2 10 | 16 36 | 23 18 | 23 17 | 9 20 | 14 3 | 7 39 |
| S 6 | 5 45 | 2s58 | 5 0 | 1 0 | 0 14 | 4 45 | 0 53 | 21 15 | 0 55 | 21 7 | 0 58 | 11 43 | 1 27 | 9 45 | 0 40 | 19 49 | 0 44 | 2 9 | 16 36 | 23 17 | 23 17 | 9 17 | 14 4 | 7 38 |
| S 7 | 5 22 | 7 40 | 4 55 | 1 47 | 0 28 | 5 15 | 0 50 | 21 19 | 0 54 | 21 8 | 0 58 | 11 45 | 1 27 | 9 44 | 0 40 | 19 48 | 0 44 | 2 9 | 16 37 | 23 17 | 23 17 | 9 15 | 14 5 | 7 38 |
| M 8 | 4 59 | 12 8 | 4 36 | 2 33 | 0 42 | 5 46 | 0 48 | 21 23 | 0 53 | 21 8 | 0 59 | 11 46 | 1 27 | 9 43 | 0 40 | 19 48 | 0 44 | 2 8 | 16 37 | 23 17 | 23 17 | 9 12 | 14 6 | 7 37 |
| T 9 | 4 35 | 16 8 | 4 5 | 3 17 | 0 56 | 6 16 | 0 45 | 21 27 | 0 53 | 21 9 | 0 59 | 11 48 | 1 28 | 9 43 | 0 40 | 19 48 | 0 44 | 2 7 | 16 38 | 23 17 | 23 17 | 9 9 | 14 6 | 7 37 |
| W10 | 4 12 | 19 30 | 3 21 | 3 58 | 1 10 | 6 46 | 0 43 | 21 31 | 0 52 | 21 9 | 0 59 | 11 50 | 1 28 | 9 42 | 0 40 | 19 47 | 0 44 | 2 7 | 16 38 | 23 16 | 23 16 | 9 7 | 14 7 | 7 36 |
| T 11 | 3 48 | 21 58 | 2 26 | 4 37 | 1 25 | 7 16 | 0 40 | 21 35 | 0 51 | 21 9 | 0 59 | 11 51 | 1 28 | 9 41 | 0 40 | 19 47 | 0 44 | 2 6 | 16 39 | 23 16 | 23 16 | 9 4 | 14 8 | 7 35 |
| F 12 | 3 24 | 23 20 | 1 22 | 5 14 | 1 40 | 7 46 | 0 38 | 21 39 | 0 51 | 21 10 | 0 59 | 11 53 | 1 28 | 9 40 | 0 40 | 19 47 | 0 44 | 2 6 | 16 39 | 23 16 | 23 16 | 9 2 | 14 9 | 7 35 |
| S 13 | 3 1 | 23 24 | 0 13 | 5 47 | 1 54 | 8 16 | 0 35 | 21 43 | 0 50 | 21 10 | 0 59 | 11 55 | 1 28 | 9 40 | 0 40 | 19 47 | 0 44 | 2 5 | 16 40 | 23 16 | 23 16 | 8 59 | 14 9 | 7 34 |
| S 14 | 2 37 | 22 5 | 0n59 | 6 16 | 2 8 | 8 45 | 0 32 | 21 46 | 0 49 | 21 10 | 0 59 | 11 56 | 1 28 | 9 39 | 0 40 | 19 46 | 0 44 | 2 4 | 16 40 | 23 16 | 23 16 | 8 56 | 14 10 | 7 34 |
| M15 | 2 13 | 19 22 | 2 10 | 6 42 | 2 22 | 9 15 | 0 29 | 21 50 | 0 48 | 21 10 | 0 59 | 11 58 | 1 28 | 9 38 | 0 40 | 19 46 | 0 44 | 2 4 | 16 41 | 23 16 | 23 16 | 8 54 | 14 11 | 7 33 |
| T 16 | 1 49 | 15 23 | 3 14 | 7 3 | 2 35 | 9 44 | 0 26 | 21 53 | 0 47 | 21 11 | 1 0 | 11 59 | 1 28 | 9 38 | 0 40 | 19 46 | 0 44 | 2 3 | 16 41 | 23 16 | 23 16 | 8 51 | 14 12 | 7 32 |
| W17 | 1 26 | 10 22 | 4 6 | 7 20 | 2 47 | 10 13 | 0 24 | 21 56 | 0 47 | 21 11 | 1 0 | 12 1 | 1 28 | 9 37 | 0 40 | 19 45 | 0 44 | 2 3 | 16 41 | 23 16 | 23 16 | 8 48 | 14 12 | 7 32 |
| T 18 | 1 2 | 4 40 | 4 43 | 7 32 | 2 58 | 10 41 | 0 21 | 21 59 | 0 46 | 21 11 | 1 0 | 12 2 | 1 28 | 9 36 | 0 40 | 19 45 | 0 44 | 2 2 | 16 42 | 23 16 | 23 16 | 8 46 | 14 13 | 7 31 |
| F 19 | 0 38 | 1n19 | 4 59 | 7 40 | 3 8 | 11 10 | 0 18 | 22 3 | 0 45 | 21 11 | 1 0 | 12 4 | 1 28 | 9 35 | 0 40 | 19 45 | 0 44 | 2 1 | 16 42 | 23 15 | 23 16 | 8 43 | 14 14 | 7 31 |
| S 20 | 0 14 | 7 11 | 4 55 | 7 42 | 3 17 | 11 38 | 0 15 | 22 6 | 0 44 | 21 11 | 1 0 | 12 5 | 1 28 | 9 34 | 0 40 | 19 44 | 0 44 | 2 1 | 16 43 | 23 15 | 23 16 | 8 41 | 14 14 | 7 30 |
| S 21 | 0n10 | 12 33 | 4 31 | 7 40 | 3 24 | 12 6 | 0 12 | 22 9 | 0 43 | 21 11 | 1 0 | 12 7 | 1 28 | 9 34 | 0 40 | 19 44 | 0 44 | 2 0 | 16 43 | 23 15 | 23 16 | 8 38 | 14 15 | 7 29 |
| M22 | 0 33 | 17 3 | 3 50 | 7 33 | 3 29 | 12 33 | 0 9 | 22 12 | 0 42 | 21 11 | 1 0 | 12 8 | 1 28 | 9 33 | 0 40 | 19 44 | 0 44 | 2 0 | 16 44 | 23 14 | 23 15 | 8 35 | 14 16 | 7 29 |
| T 23 | 0 57 | 20 26 | 2 56 | 7 21 | 3 33 | 13 1 | 0 6 | 22 14 | 0 41 | 21 11 | 1 0 | 12 10 | 1 28 | 9 32 | 0 40 | 19 44 | 0 44 | 1 59 | 16 44 | 23 14 | 23 15 | 8 33 | 14 16 | 7 28 |
| W24 | 1 21 | 22 35 | 1 54 | 7 5 | 3 34 | 13 28 | 0 2 | 22 17 | 0 40 | 21 11 | 1 0 | 12 11 | 1 28 | 9 31 | 0 40 | 19 43 | 0 44 | 1 58 | 16 44 | 23 14 | 23 15 | 8 30 | 14 17 | 7 28 |
| T 25 | 1 45 | 23 25 | 0 48 | 6 44 | 3 34 | 13 55 | 0n 1 | 22 20 | 0 39 | 21 11 | 1 1 | 12 12 | 1 28 | 9 30 | 0 40 | 19 43 | 0 44 | 1 58 | 16 45 | 23 14 | 23 15 | 8 27 | 14 18 | 7 27 |
| F 26 | 2 8 | 23 0 | 0s18 | 6 21 | 3 31 | 14 21 | 0 4 | 22 22 | 0 38 | 21 11 | 1 1 | 12 13 | 1 28 | 9 29 | 0 40 | 19 43 | 0 44 | 1 57 | 16 45 | 23 14 | 23 15 | 8 25 | 14 18 | 7 26 |
| S 27 | 2 32 | 21 29 | 1 22 | 5 54 | 3 26 | 14 47 | 0 7 | 22 25 | 0 37 | 21 11 | 1 1 | 12 15 | 1 28 | 9 29 | 0 40 | 19 43 | 0 44 | 1 56 | 16 46 | 23 14 | 23 15 | 8 22 | 14 19 | 7 26 |
| S 28 | 2 55 | 19 2 | 2 21 | 5 25 | 3 20 | 15 13 | 0 10 | 22 27 | 0 36 | 21 11 | 1 1 | 12 16 | 1 28 | 9 28 | 0 40 | 19 42 | 0 44 | 1 56 | 16 46 | 23 14 | 23 15 | 8 19 | 14 20 | 7 25 |
| M29 | 3 19 | 15 47 | 3 13 | 4 54 | 3 11 | 15 38 | 0 14 | 22 30 | 0 35 | 21 11 | 1 1 | 12 17 | 1 28 | 9 27 | 0 40 | 19 42 | 0 44 | 1 55 | 16 46 | 23 14 | 23 15 | 8 17 | 14 20 | 7 24 |
| T 30 | 3 42 | 11 57 | 3 57 | 4 22 | 3 1 | 16 3 | 0 17 | 22 32 | 0 34 | 21 11 | 1 1 | 12 18 | 1 28 | 9 26 | 0 40 | 19 42 | 0 44 | 1 55 | 16 47 | 23 14 | 23 15 | 8 14 | 14 21 | 7 24 |
| W31 | 4n 6 | 7n39 | 4s30 | 3n50 | 2n50 | 16n28 | 0n20 | 22s35 | 0n33 | 21s11 | 1n 1 | 12n19 | 1n28 | 9s25 | 0n40 | 19s42 | 0n44 | 1s54 | 16n47 | 23s13 | 23s15 | 8n11 | 14n21 | 7s23 |

Julian Day Number = 2809176.5, Delta T = 52m38s
Ecliptic obliquity = 23°18'45, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°26'49, Lahiri = 37°33'49


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# ASTRODIENST EPHEMERIS for the year 2979
# geocentric

## APRIL 2979 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 38 30 | 11♈23'40 | 10♍34 | 2°R15 | 15♉50 | 23♐14 | 12°R37 | 1°R14 | 26°R 6 | 28♑11 | 21°R56 | 24°R59 | 25♐40 | 27♌ 8 | 21♋11 | T 1 |
| F 2 | 12 42 27 | 12°23'24 | 22°35 | 1♈28 | 17° 2 | 23°36 | 12♐36 | 1♍11 | 26♎ 4 | 28°12 | 21♏55 | 24♐46 | 25°37 | 27°14 | 21°11 | F 2 |
| S 3 | 12 46 24 | 13°23'06 | 4♎44 | 0°45 | 18°14 | 23°56 | 12°35 | 1° 8 | 26° 1 | 28°13 | 21°54 | 24°33 | 25°34 | 27°21 | 21°12 | S 3 |
| S 4 | 12 50 20 | 14°22'46 | 17° 2 | 0° 8 | 19°26 | 24°17 | 12°34 | 1° 5 | 25°59 | 28°14 | 21°52 | 24°20 | 25°31 | 27°28 | 21°13 | S 4 |
| M 5 | 12 54 17 | 15°22'25 | 29°31 | 29♓36 | 20°38 | 24°37 | 12°33 | 1° 3 | 25°56 | 28°15 | 21°51 | 24° 9 | 25°28 | 27°34 | 21°13 | M 5 |
| T 6 | 12 58 13 | 16°22'01 | 12♏ 9 | 29°10 | 21°50 | 24°57 | 12°31 | 1° 0 | 25°54 | 28°16 | 21°50 | 24° 0 | 25°24 | 27°41 | 21°14 | T 6 |
| W 7 | 13 2 10 | 17°21'36 | 24°58 | 28°51 | 23° 2 | 25°17 | 12°30 | 0°57 | 25°51 | 28°16 | 21°49 | 23°53 | 25°21 | 27°48 | 21°15 | W 7 |
| T 8 | 13 6 6 | 18°21'08 | 7♐58 | 28°38 | 24°14 | 25°36 | 12°28 | 0°55 | 25°49 | 28°17 | 21°47 | 23°50 | 25°18 | 27°55 | 21°17 | T 8 |
| F 9 | 13 10 3 | 19°20'40 | 21°11 | 28°30 | 25°25 | 25°55 | 12°26 | 0°52 | 25°46 | 28°18 | 21°46 | 23°D49 | 25°15 | 28° 1 | 21°18 | F 9 |
| S 10 | 13 13 59 | 20°20'09 | 4♑38 | 28°D29 | 26°37 | 26°13 | 12°24 | 0°50 | 25°43 | 28°19 | 21°45 | 23°49 | 25°12 | 28° 8 | 21°19 | S 10 |
| S 11 | 13 17 56 | 21°19'37 | 18°20 | 28°34 | 27°48 | 26°31 | 12°21 | 0°48 | 25°41 | 28°19 | 21°43 | 23°R49 | 25° 9 | 28°15 | 21°21 | S 11 |
| M12 | 13 21 53 | 22°19'03 | 2♒18 | 28°44 | 29° 0 | 26°48 | 12°19 | 0°46 | 25°38 | 28°20 | 21°42 | 23°49 | 25° 5 | 28°21 | 21°22 | M12 |
| T 13 | 13 25 49 | 23°18'27 | 16°33 | 28°59 | 0♊11 | 27° 5 | 12°16 | 0°44 | 25°36 | 28°20 | 21°40 | 23°47 | 25° 2 | 28°28 | 21°24 | T 13 |
| W14 | 13 29 46 | 24°17'50 | 1♓ 3 | 29°19 | 1°22 | 27°22 | 12°13 | 0°42 | 25°33 | 28°21 | 21°39 | 23°42 | 24°59 | 28°35 | 21°25 | W14 |
| T 15 | 13 33 42 | 25°17'10 | 15°44 | 29°44 | 2°33 | 27°38 | 12°10 | 0°40 | 25°30 | 28°21 | 21°38 | 23°36 | 24°56 | 28°42 | 21°27 | T 15 |
| F 16 | 13 37 39 | 26°16'29 | 0♈29 | 0♈14 | 3°44 | 27°54 | 12° 6 | 0°38 | 25°28 | 28°22 | 21°36 | 23°27 | 24°53 | 28°48 | 21°29 | F 16 |
| S 17 | 13 41 35 | 27°15'47 | 15°11 | 0°48 | 4°55 | 28° 9 | 12° 3 | 0°37 | 25°25 | 28°22 | 21°35 | 23°18 | 24°49 | 28°55 | 21°31 | S 17 |
| S 18 | 13 45 32 | 28°15'02 | 29°42 | 1°26 | 6° 6 | 28°24 | 11°59 | 0°35 | 25°23 | 28°23 | 21°33 | 23° 9 | 24°46 | 29° 2 | 21°33 | S 18 |
| M19 | 13 49 28 | 29°14'15 | 13♉55 | 2° 8 | 7°17 | 28°38 | 11°56 | 0°34 | 25°20 | 28°23 | 21°32 | 23° 2 | 24°43 | 29° 8 | 21°35 | M19 |
| T 20 | 13 53 25 | 0♉13'27 | 27°46 | 2°53 | 8°27 | 28°52 | 11°52 | 0°32 | 25°17 | 28°24 | 21°30 | 22°57 | 24°40 | 29°15 | 21°37 | T 20 |
| W21 | 13 57 21 | 1°12'36 | 11♊11 | 3°42 | 9°38 | 29° 5 | 11°47 | 0°31 | 25°15 | 28°24 | 21°28 | 22°54 | 24°37 | 29°22 | 21°39 | W21 |
| T 22 | 14 1 18 | 2°11'43 | 24°12 | 4°34 | 10°48 | 29°18 | 11°43 | 0°30 | 25°12 | 28°24 | 21°27 | 22°D54 | 24°34 | 29°28 | 21°42 | T 22 |
| F 23 | 14 5 15 | 3°10'48 | 6♋50 | 5°29 | 11°58 | 29°30 | 11°39 | 0°29 | 25°10 | 28°24 | 21°25 | 22°54 | 24°30 | 29°35 | 21°44 | F 23 |
| S 24 | 14 9 11 | 4° 9'50 | 19° 8 | 6°28 | 13° 9 | 29°41 | 11°34 | 0°28 | 25° 7 | 28°25 | 21°24 | 22°56 | 24°27 | 29°42 | 21°46 | S 24 |
| S 25 | 14 13 8 | 5° 8'51 | 1♌13 | 7°29 | 14°19 | 29°52 | 11°29 | 0°27 | 25° 5 | 28°25 | 21°22 | 22°R57 | 24°24 | 29°49 | 21°49 | S 25 |
| M26 | 14 17 4 | 6° 7'49 | 13° 9 | 8°32 | 15°29 | 0♑ 3 | 11°24 | 0°27 | 25° 2 | 28°25 | 21°21 | 22°56 | 24°21 | 29°55 | 21°52 | M26 |
| T 27 | 14 21 1 | 7° 6'45 | 25° 0 | 9°39 | 16°38 | 0°12 | 11°19 | 0°26 | 25° 0 | 28°25 | 21°19 | 22°54 | 24°18 | 0♍ 2 | 21°54 | T 27 |
| W28 | 14 24 57 | 8° 5'38 | 6♍52 | 10°47 | 17°48 | 0°22 | 11°14 | 0°26 | 24°57 | 28°25 | 21°17 | 22°51 | 24°14 | 0° 9 | 21°57 | W28 |
| T 29 | 14 28 54 | 9° 4'29 | 18°49 | 11°58 | 18°58 | 0°30 | 11° 9 | 0°25 | 24°55 | 28°25 | 21°16 | 22°45 | 24°11 | 0°15 | 22° 0 | T 29 |
| F 30 | 14 32 50 | 10♉ 3'19 | 0♎55 | 13♈11 | 20♊ 7 | 0♑38 | 11♐ 3 | 0♍25 | 24♎52 | 28°R25 | 21♏14 | 22♐38 | 24♐ 8 | 0♍22 | 22♋ 3 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4n29 | 3n 4 | 4s52 | 3n18 | 2n37 | 16n52 | 0n23 | 22s37 | 0n32 | 21s11 | 1n 1 | 12n21 | 1n28 | 9s24 | 0n40 | 19s42 | 0n44 | 1s53 | 16n48 | 23s13 | 23s15 | 8n 9 | 14n22 | 7s22 |
| F 2 | 4 52 | 1s41 | 5 1 | 2 46 | 2 23 | 17 16 | 0 27 | 22 39 | 0 30 | 21 10 | 1 1 | 12 22 | 1 28 | 9 23 | 0 40 | 19 41 | 0 44 | 1 53 | 16 48 | 23 13 | 23 14 | 8 6 | 14 22 | 7 22 |
| S 3 | 5 15 | 6 24 | 4 56 | 2 16 | 2 9 | 17 39 | 0 30 | 22 41 | 0 29 | 21 10 | 1 1 | 12 23 | 1 28 | 9 22 | 0 40 | 19 41 | 0 44 | 1 52 | 16 48 | 23 12 | 23 14 | 8 4 | 14 23 | 7 21 |
| S 4 | 5 38 | 10 56 | 4 38 | 1 48 | 1 54 | 18 2 | 0 33 | 22 44 | 0 28 | 21 10 | 1 2 | 12 24 | 1 28 | 9 21 | 0 40 | 19 41 | 0 44 | 1 52 | 16 49 | 23 12 | 23 14 | 8 1 | 14 23 | 7 21 |
| M 5 | 6 1 | 15 5 | 4 6 | 1 21 | 1 39 | 18 24 | 0 37 | 22 46 | 0 27 | 21 10 | 1 2 | 12 25 | 1 28 | 9 21 | 0 40 | 19 41 | 0 44 | 1 51 | 16 49 | 23 11 | 23 14 | 7 58 | 14 24 | 7 20 |
| T 6 | 6 24 | 18 36 | 3 22 | 0 57 | 1 23 | 18 46 | 0 40 | 22 48 | 0 25 | 21 9 | 1 2 | 12 26 | 1 28 | 9 20 | 0 40 | 19 41 | 0 44 | 1 50 | 16 49 | 23 11 | 23 14 | 7 56 | 14 24 | 7 19 |
| W 7 | 6 47 | 21 17 | 2 27 | 0 35 | 1 8 | 19 8 | 0 43 | 22 50 | 0 24 | 21 9 | 1 2 | 12 26 | 1 27 | 9 19 | 0 40 | 19 41 | 0 44 | 1 50 | 16 50 | 23 10 | 23 14 | 7 53 | 14 25 | 7 19 |
| T 8 | 7 9 | 22 54 | 1 23 | 0 15 | 0 52 | 19 29 | 0 47 | 22 52 | 0 23 | 21 9 | 1 2 | 12 27 | 1 27 | 9 18 | 0 40 | 19 40 | 0 44 | 1 49 | 16 50 | 23 10 | 23 14 | 7 50 | 14 25 | 7 18 |
| F 9 | 7 32 | 23 15 | 0 14 | 0s 1 | 0 37 | 19 50 | 0 50 | 22 54 | 0 21 | 21 8 | 1 2 | 12 28 | 1 27 | 9 17 | 0 40 | 19 40 | 0 44 | 1 48 | 16 50 | 23 10 | 23 14 | 7 48 | 14 26 | 7 17 |
| S 10 | 7 54 | 22 17 | 0n57 | 0 16 | 0 22 | 20 10 | 0 53 | 22 56 | 0 20 | 21 8 | 1 2 | 12 29 | 1 27 | 9 16 | 0 40 | 19 40 | 0 44 | 1 48 | 16 50 | 23 10 | 23 14 | 7 45 | 14 26 | 7 17 |
| S 11 | 8 17 | 19 58 | 2 7 | 0 27 | 0 8 | 20 29 | 0 57 | 22 58 | 0 18 | 21 8 | 1 2 | 12 30 | 1 27 | 9 15 | 0 40 | 19 40 | 0 44 | 1 47 | 16 51 | 23 10 | 23 13 | 7 42 | 14 27 | 7 16 |
| M12 | 8 39 | 16 27 | 3 10 | 0 36 | 0s 6 | 20 48 | 1 0 | 23 0 | 0 17 | 21 7 | 1 2 | 12 30 | 1 27 | 9 14 | 0 40 | 19 40 | 0 44 | 1 47 | 16 51 | 23 10 | 23 13 | 7 40 | 14 27 | 7 16 |
| T 13 | 9 1 | 11 55 | 4 3 | 0 43 | 0 20 | 21 7 | 1 3 | 23 1 | 0 15 | 21 7 | 1 2 | 12 31 | 1 27 | 9 13 | 0 40 | 19 40 | 0 44 | 1 46 | 16 51 | 23 10 | 23 13 | 7 37 | 14 27 | 7 15 |
| W14 | 9 22 | 6 39 | 4 41 | 0 46 | 0 33 | 21 25 | 1 7 | 23 3 | 0 14 | 21 6 | 1 2 | 12 32 | 1 27 | 9 12 | 0 40 | 19 40 | 0 44 | 1 46 | 16 51 | 23 10 | 23 13 | 7 34 | 14 28 | 7 14 |
| T 15 | 9 44 | 0 57 | 5 2 | 0 48 | 0 45 | 21 42 | 1 10 | 23 5 | 0 12 | 21 6 | 1 3 | 12 32 | 1 27 | 9 11 | 0 40 | 19 39 | 0 44 | 1 45 | 16 52 | 23 9 | 23 13 | 7 32 | 14 28 | 7 14 |
| F 16 | 10 5 | 4n49 | 5 2 | 0 47 | 0 57 | 21 59 | 1 13 | 23 7 | 0 11 | 21 5 | 1 3 | 12 33 | 1 27 | 9 10 | 0 40 | 19 39 | 0 44 | 1 44 | 16 52 | 23 9 | 23 13 | 7 29 | 14 29 | 7 13 |
| S 17 | 10 27 | 10 18 | 4 43 | 0 44 | 1 8 | 22 15 | 1 16 | 23 9 | 0 9 | 21 5 | 1 3 | 12 33 | 1 27 | 9 9 | 0 40 | 19 39 | 0 44 | 1 44 | 16 52 | 23 9 | 23 13 | 7 26 | 14 29 | 7 12 |
| S 18 | 10 48 | 15 8 | 4 5 | 0 38 | 1 19 | 22 31 | 1 20 | 23 11 | 0 7 | 21 4 | 1 3 | 12 34 | 1 27 | 9 8 | 0 40 | 19 39 | 0 44 | 1 43 | 16 52 | 23 8 | 23 13 | 7 24 | 14 29 | 7 12 |
| M19 | 11 9 | 19 0 | 3 13 | 0 31 | 1 29 | 22 46 | 1 23 | 23 13 | 0 5 | 21 4 | 1 3 | 12 34 | 1 27 | 9 7 | 0 40 | 19 39 | 0 44 | 1 43 | 16 53 | 23 8 | 23 12 | 7 21 | 14 29 | 7 11 |
| T 20 | 11 29 | 21 41 | 2 11 | 0 22 | 1 38 | 23 1 | 1 26 | 23 15 | 0 4 | 21 3 | 1 3 | 12 35 | 1 27 | 9 7 | 0 40 | 19 39 | 0 44 | 1 42 | 16 53 | 23 8 | 23 12 | 7 19 | 14 30 | 7 11 |
| W21 | 11 50 | 23 2 | 1 3 | 0 10 | 1 47 | 23 15 | 1 29 | 23 17 | 0 2 | 21 3 | 1 3 | 12 35 | 1 27 | 9 6 | 0 40 | 19 39 | 0 44 | 1 42 | 16 53 | 23 7 | 23 12 | 7 16 | 14 30 | 7 10 |
| T 22 | 12 10 | 23 4 | 0s 7 | 0n 3 | 1 55 | 23 28 | 1 32 | 23 19 | 0 0 | 21 2 | 1 3 | 12 35 | 1 27 | 9 5 | 0 40 | 19 39 | 0 44 | 1 41 | 16 53 | 23 7 | 23 12 | 7 13 | 14 30 | 7 9 |
| F 23 | 12 30 | 21 54 | 1 14 | 0 18 | 2 2 | 23 41 | 1 35 | 23 21 | 0s 2 | 21 1 | 1 3 | 12 36 | 1 27 | 9 4 | 0 40 | 19 39 | 0 44 | 1 41 | 16 53 | 23 7 | 23 12 | 7 11 | 14 31 | 7 9 |
| S 24 | 12 50 | 19 42 | 2 17 | 0 34 | 2 9 | 23 53 | 1 38 | 23 23 | 0 4 | 21 1 | 1 3 | 12 36 | 1 27 | 9 3 | 0 40 | 19 39 | 0 44 | 1 40 | 16 53 | 23 7 | 23 12 | 7 8 | 14 31 | 7 8 |
| S 25 | 13 10 | 16 40 | 3 12 | 0 52 | 2 16 | 24 4 | 1 41 | 23 25 | 0 6 | 21 0 | 1 3 | 12 36 | 1 26 | 9 2 | 0 40 | 19 39 | 0 44 | 1 40 | 16 54 | 23 8 | 23 12 | 7 5 | 14 31 | 7 8 |
| M26 | 13 30 | 12 59 | 3 58 | 1 12 | 2 21 | 24 15 | 1 44 | 23 27 | 0 8 | 20 59 | 1 3 | 12 36 | 1 26 | 9 1 | 0 40 | 19 39 | 0 44 | 1 39 | 16 54 | 23 8 | 23 12 | 7 3 | 14 31 | 7 7 |
| T 27 | 13 49 | 8 50 | 4 33 | 1 33 | 2 26 | 24 26 | 1 47 | 23 29 | 0 10 | 20 58 | 1 3 | 12 36 | 1 26 | 9 0 | 0 40 | 19 38 | 0 45 | 1 39 | 16 54 | 23 7 | 23 11 | 7 0 | 14 31 | 7 6 |
| W28 | 14 8 | 4 21 | 4 57 | 1 56 | 2 31 | 24 35 | 1 50 | 23 31 | 0 12 | 20 58 | 1 3 | 12 37 | 1 26 | 8 59 | 0 40 | 19 38 | 0 45 | 1 38 | 16 54 | 23 7 | 23 11 | 6 57 | 14 31 | 7 6 |
| T 29 | 14 27 | 0s20 | 5 8 | 2 20 | 2 35 | 24 44 | 1 53 | 23 33 | 0 14 | 20 57 | 1 3 | 12 37 | 1 26 | 8 58 | 0 40 | 19 38 | 0 45 | 1 38 | 16 54 | 23 7 | 23 11 | 6 55 | 14 32 | 7 5 |
| F 30 | 14n45 | 5s 2 | 5s 5 | 2n45 | 2s38 | 24n52 | 1n56 | 23s35 | 0s16 | 20s56 | 1n 3 | 12n37 | 1n26 | 8s57 | 0n40 | 19s38 | 0n45 | 1s37 | 16n54 | 23s 7 | 23s11 | 6n52 | 14n32 | 7s 5 |

Julian Day Number = 2809207.5, Delta T = 52m38s
Ecliptic obliquity = 23°18'45, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°26'53, Lahiri = 37°33'54


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# ASTRODIENST EPHEMERIS for the year 2979
# geocentric

## MAY 2979 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 36 47 | 11♉ 2'06 | 13♎12 | 14♈27 | 21♊17 | 0♑46 | 10°R58 | 0°R25 | 24°R50 | 28°R25 | 21°R12 | 22°R31 | 24♐ 5 | 0♍29 | 22♋ 6 | S 1 |
| S 2 | 14 40 44 | 12° 0'51 | 25°41 | 15°44 | 22°26 | 0°53 | 10♐52 | 0°D25 | 24♎47 | 28♑25 | 21♏11 | 22♐23 | 24° 2 | 0°36 | 22° 9 | S 2 |
| M 3 | 14 44 40 | 12°59'34 | 8♏25 | 17° 4 | 23°35 | 0°59 | 10°46 | 0♍25 | 24°45 | 28°25 | 21° 9 | 22°17 | 23°59 | 0°42 | 22°12 | M 3 |
| T 4 | 14 48 37 | 13°58'15 | 21°22 | 18°26 | 24°44 | 1° 4 | 10°40 | 0°25 | 24°42 | 28°25 | 21° 7 | 22°12 | 23°55 | 0°49 | 22°16 | T 4 |
| W 5 | 14 52 33 | 14°56'54 | 4♐33 | 19°49 | 25°52 | 1° 9 | 10°34 | 0°26 | 24°40 | 28°25 | 21° 6 | 22° 8 | 23°52 | 0°56 | 22°19 | W 5 |
| T 6 | 14 56 30 | 15°55'32 | 17°55 | 21°15 | 27° 1 | 1°13 | 10°28 | 0°26 | 24°37 | 28°25 | 21° 4 | 22°D 7 | 23°49 | 1° 2 | 22°22 | T 6 |
| F 7 | 15 0 26 | 16°54'08 | 1♑29 | 22°42 | 28°10 | 1°17 | 10°21 | 0°26 | 24°35 | 28°24 | 21° 2 | 22° 7 | 23°46 | 1° 9 | 22°26 | F 7 |
| S 8 | 15 4 23 | 17°52'42 | 15°14 | 24°11 | 29°18 | 1°20 | 10°15 | 0°27 | 24°33 | 28°24 | 21° 1 | 22° 9 | 23°43 | 1°16 | 22°29 | S 8 |
| S 9 | 15 8 19 | 18°51'15 | 29° 8 | 25°42 | 0♋26 | 1°22 | 10° 8 | 0°28 | 24°31 | 28°24 | 20°59 | 22°10 | 23°40 | 1°23 | 22°33 | S 9 |
| M10 | 15 12 16 | 19°49'46 | 13♒11 | 27°15 | 1°34 | 1°23 | 10° 2 | 0°29 | 24°28 | 28°24 | 20°57 | 22°11 | 23°36 | 1°29 | 22°37 | M10 |
| T 11 | 15 16 13 | 20°48'15 | 27°21 | 28°50 | 2°42 | 1°R24 | 9°55 | 0°30 | 24°26 | 28°23 | 20°56 | 22°R11 | 23°33 | 1°36 | 22°41 | T 11 |
| W12 | 15 20 9 | 21°46'43 | 11♓37 | 0♉26 | 3°50 | 1°24 | 9°48 | 0°31 | 24°24 | 28°23 | 20°54 | 22°10 | 23°30 | 1°43 | 22°44 | W12 |
| T 13 | 15 24 6 | 22°45'10 | 25°56 | 2° 4 | 4°57 | 1°23 | 9°41 | 0°32 | 24°22 | 28°22 | 20°52 | 22° 7 | 23°27 | 1°49 | 22°48 | T 13 |
| F 14 | 15 28 2 | 23°43'34 | 10♈15 | 3°44 | 6° 5 | 1°21 | 9°34 | 0°33 | 24°19 | 28°22 | 20°50 | 22° 4 | 23°24 | 1°56 | 22°52 | F 14 |
| S 15 | 15 31 59 | 24°41'58 | 24°28 | 5°26 | 7°12 | 1°19 | 9°27 | 0°34 | 24°17 | 28°22 | 20°49 | 21°59 | 23°20 | 2° 3 | 22°56 | S 15 |
| S 16 | 15 35 55 | 25°40'19 | 8♉32 | 7° 9 | 8°19 | 1°15 | 9°20 | 0°36 | 24°15 | 28°21 | 20°47 | 21°56 | 23°17 | 2°10 | 23° 0 | S 16 |
| M17 | 15 39 52 | 26°38'39 | 22°22 | 8°55 | 9°26 | 1°11 | 9°12 | 0°38 | 24°13 | 28°21 | 20°45 | 21°52 | 23°14 | 2°16 | 23° 4 | M17 |
| T 18 | 15 43 48 | 27°36'58 | 5♊55 | 10°42 | 10°32 | 1° 7 | 9° 5 | 0°39 | 24°11 | 28°20 | 20°44 | 21°50 | 23°11 | 2°23 | 23° 9 | T 18 |
| W19 | 15 47 45 | 28°35'14 | 19° 9 | 12°31 | 11°39 | 1° 1 | 8°58 | 0°41 | 24° 9 | 28°19 | 20°42 | 21°D50 | 23° 8 | 2°30 | 23°13 | W19 |
| T 20 | 15 51 42 | 29°33'29 | 2♋ 3 | 14°22 | 12°45 | 0°55 | 8°50 | 0°43 | 24° 7 | 28°19 | 20°40 | 21°50 | 23° 5 | 2°36 | 23°17 | T 20 |
| F 21 | 15 55 38 | 0♊31'42 | 14°39 | 16°14 | 13°51 | 0°48 | 8°43 | 0°45 | 24° 5 | 28°18 | 20°39 | 21°51 | 23° 1 | 2°43 | 23°22 | F 21 |
| S 22 | 15 59 35 | 1°29'53 | 26°58 | 18° 9 | 14°57 | 0°40 | 8°35 | 0°47 | 24° 3 | 28°17 | 20°37 | 21°53 | 22°58 | 2°50 | 23°26 | S 22 |
| S 23 | 16 3 31 | 2°28'03 | 9♌ 4 | 20° 5 | 16° 3 | 0°32 | 8°28 | 0°49 | 24° 1 | 28°17 | 20°35 | 21°54 | 22°55 | 2°57 | 23°31 | S 23 |
| M24 | 16 7 28 | 3°26'10 | 21° 2 | 22° 3 | 17° 9 | 0°23 | 8°20 | 0°52 | 24° 0 | 28°16 | 20°34 | 21°55 | 22°52 | 3° 3 | 23°35 | M24 |
| T 25 | 16 11 24 | 4°24'15 | 2♍55 | 24° 3 | 18°14 | 0°13 | 8°13 | 0°54 | 23°58 | 28°15 | 20°32 | 21°R56 | 22°49 | 3°10 | 23°40 | T 25 |
| W26 | 16 15 21 | 5°22'19 | 14°48 | 26° 4 | 19°19 | 0° 2 | 8° 5 | 0°56 | 23°56 | 28°14 | 20°30 | 21°55 | 22°46 | 3°17 | 23°45 | W26 |
| T 27 | 16 19 17 | 6°20'21 | 26°47 | 28° 7 | 20°24 | 29♐50 | 7°57 | 0°59 | 23°54 | 28°14 | 20°29 | 21°54 | 22°42 | 3°23 | 23°49 | T 27 |
| F 28 | 16 23 14 | 7°18'20 | 8♎55 | 0♊12 | 21°28 | 29°38 | 7°50 | 1° 2 | 23°53 | 28°13 | 20°27 | 21°53 | 22°39 | 3°30 | 23°54 | F 28 |
| S 29 | 16 27 11 | 8°16'19 | 21°16 | 2°18 | 22°33 | 29°25 | 7°42 | 1° 5 | 23°51 | 28°12 | 20°26 | 21°51 | 22°36 | 3°37 | 23°59 | S 29 |
| S 30 | 16 31 7 | 9°14'15 | 3♏53 | 4°25 | 23°37 | 29°12 | 7°34 | 1° 7 | 23°49 | 28°11 | 20°24 | 21°49 | 22°33 | 3°44 | 24° 4 | S 30 |
| M31 | 16 35 4 | 10♊12'10 | 16♏48 | 6♊34 | 24♋40 | 28♐58 | 7♐27 | 1♍10 | 23♎48 | 28♑10 | 20♏22 | 21♐48 | 22♐30 | 3♍50 | 24♋ 9 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n 4 | 9s37 | 4s49 | 3n11 | 2s41 | 25n 0 | 1n59 | 23s37 | 0s19 | 20s55 | 1n 3 | 12n37 | 1n26 | 8s57 | 0n40 | 19s38 | 0n45 | 1s37 | 16n54 | 23s 6 | 23s11 | 6n49 | 14n32 | 7s 4 |
| S 2 | 15 22 | 13 53 | 4 18 | 3 39 | 2 43 | 25 7 | 2 1 | 23 39 | 0 21 | 20 54 | 1 3 | 12 37 | 1 26 | 8 56 | 0 40 | 19 38 | 0 45 | 1 36 | 16 54 | 23 6 | 23 11 | 6 47 | 14 32 | 7 3 |
| M 3 | 15 39 | 17 37 | 3 35 | 4 8 | 2 45 | 25 13 | 2 4 | 23 42 | 0 23 | 20 54 | 1 3 | 12 36 | 1 26 | 8 55 | 0 40 | 19 38 | 0 45 | 1 36 | 16 54 | 23 5 | 23 11 | 6 44 | 14 32 | 7 3 |
| T 4 | 15 57 | 20 34 | 2 39 | 4 38 | 2 46 | 25 19 | 2 6 | 23 44 | 0 25 | 20 53 | 1 3 | 12 36 | 1 26 | 8 54 | 0 40 | 19 38 | 0 45 | 1 35 | 16 54 | 23 5 | 23 10 | 6 41 | 14 32 | 7 2 |
| W 5 | 16 14 | 22 29 | 1 34 | 5 8 | 2 46 | 25 24 | 2 9 | 23 46 | 0 28 | 20 52 | 1 3 | 12 36 | 1 26 | 8 53 | 0 40 | 19 38 | 0 45 | 1 35 | 16 54 | 23 5 | 23 10 | 6 39 | 14 32 | 7 2 |
| T 6 | 16 31 | 23 9 | 0 23 | 5 40 | 2 46 | 25 28 | 2 11 | 23 49 | 0 30 | 20 51 | 1 3 | 12 36 | 1 26 | 8 52 | 0 40 | 19 38 | 0 45 | 1 34 | 16 55 | 23 5 | 23 10 | 6 36 | 14 32 | 7 1 |
| F 7 | 16 48 | 22 27 | 0n51 | 6 13 | 2 46 | 25 32 | 2 14 | 23 51 | 0 33 | 20 50 | 1 4 | 12 36 | 1 26 | 8 51 | 0 40 | 19 38 | 0 45 | 1 34 | 16 55 | 23 5 | 23 10 | 6 33 | 14 32 | 7 1 |
| S 8 | 17 4 | 20 25 | 2 3 | 6 46 | 2 45 | 25 35 | 2 16 | 23 54 | 0 35 | 20 49 | 1 4 | 12 35 | 1 26 | 8 51 | 0 40 | 19 39 | 0 45 | 1 33 | 16 55 | 23 5 | 23 10 | 6 31 | 14 32 | 7 0 |
| S 9 | 17 20 | 17 9 | 3 8 | 7 21 | 2 43 | 25 37 | 2 18 | 23 56 | 0 38 | 20 48 | 1 4 | 12 35 | 1 25 | 8 50 | 0 40 | 19 39 | 0 45 | 1 33 | 16 55 | 23 5 | 23 10 | 6 28 | 14 32 | 7 0 |
| M10 | 17 36 | 12 53 | 4 3 | 7 56 | 2 41 | 25 38 | 2 20 | 23 59 | 0 41 | 20 47 | 1 4 | 12 35 | 1 25 | 8 49 | 0 40 | 19 39 | 0 45 | 1 33 | 16 55 | 23 5 | 23 10 | 6 26 | 14 32 | 6 59 |
| T 11 | 17 52 | 7 53 | 4 44 | 8 32 | 2 38 | 25 39 | 2 22 | 24 2 | 0 43 | 20 46 | 1 4 | 12 34 | 1 25 | 8 48 | 0 40 | 19 39 | 0 45 | 1 32 | 16 55 | 23 5 | 23 9 | 6 23 | 14 32 | 6 59 |
| W12 | 18 7 | 2 26 | 5 7 | 9 8 | 2 35 | 25 40 | 2 24 | 24 4 | 0 46 | 20 45 | 1 3 | 12 34 | 1 25 | 8 47 | 0 40 | 19 39 | 0 45 | 1 32 | 16 54 | 23 5 | 23 9 | 6 20 | 14 32 | 6 58 |
| T 13 | 18 22 | 3n10 | 5 12 | 9 45 | 2 31 | 25 39 | 2 26 | 24 7 | 0 49 | 20 44 | 1 3 | 12 33 | 1 25 | 8 47 | 0 40 | 19 39 | 0 45 | 1 32 | 16 54 | 23 5 | 23 9 | 6 18 | 14 32 | 6 58 |
| F 14 | 18 36 | 8 35 | 4 57 | 10 23 | 2 27 | 25 38 | 2 28 | 24 10 | 0 52 | 20 43 | 1 3 | 12 33 | 1 25 | 8 46 | 0 40 | 19 39 | 0 45 | 1 31 | 16 54 | 23 5 | 23 9 | 6 15 | 14 31 | 6 57 |
| S 15 | 18 51 | 13 32 | 4 24 | 11 1 | 2 22 | 25 37 | 2 30 | 24 13 | 0 55 | 20 42 | 1 3 | 12 32 | 1 25 | 8 45 | 0 40 | 19 39 | 0 45 | 1 31 | 16 54 | 23 4 | 23 9 | 6 12 | 14 31 | 6 57 |
| S 16 | 19 5 | 17 40 | 3 35 | 11 40 | 2 17 | 25 34 | 2 31 | 24 16 | 0 57 | 20 41 | 1 3 | 12 32 | 1 25 | 8 44 | 0 40 | 19 39 | 0 45 | 1 31 | 16 54 | 23 4 | 23 9 | 6 10 | 14 31 | 6 56 |
| M17 | 19 18 | 20 45 | 2 35 | 12 19 | 2 11 | 25 31 | 2 33 | 24 19 | 1 0 | 20 40 | 1 3 | 12 31 | 1 25 | 8 44 | 0 40 | 19 39 | 0 45 | 1 30 | 16 54 | 23 4 | 23 8 | 6 7 | 14 31 | 6 56 |
| T 18 | 19 31 | 22 36 | 1 26 | 12 58 | 2 5 | 25 28 | 2 34 | 24 22 | 1 3 | 20 39 | 1 3 | 12 30 | 1 25 | 8 43 | 0 40 | 19 39 | 0 45 | 1 30 | 16 54 | 23 4 | 23 8 | 6 4 | 14 31 | 6 55 |
| W19 | 19 44 | 23 7 | 0 15 | 13 38 | 1 59 | 25 23 | 2 36 | 24 25 | 1 7 | 20 38 | 1 3 | 12 30 | 1 25 | 8 42 | 0 40 | 19 39 | 0 45 | 1 30 | 16 54 | 23 4 | 23 8 | 6 2 | 14 31 | 6 55 |
| T 20 | 19 57 | 22 22 | 0s56 | 14 17 | 1 51 | 25 19 | 2 37 | 24 28 | 1 10 | 20 37 | 1 3 | 12 29 | 1 25 | 8 41 | 0 40 | 19 39 | 0 45 | 1 29 | 16 54 | 23 4 | 23 8 | 5 59 | 14 30 | 6 54 |
| F 21 | 20 9 | 20 29 | 2 2 | 14 57 | 1 44 | 25 13 | 2 38 | 24 31 | 1 13 | 20 36 | 1 3 | 12 28 | 1 25 | 8 41 | 0 40 | 19 40 | 0 45 | 1 29 | 16 54 | 23 4 | 23 8 | 5 56 | 14 30 | 6 54 |
| S 22 | 20 21 | 17 41 | 3 2 | 15 36 | 1 36 | 25 7 | 2 39 | 24 34 | 1 16 | 20 35 | 1 3 | 12 27 | 1 24 | 8 40 | 0 40 | 19 40 | 0 45 | 1 29 | 16 54 | 23 4 | 23 8 | 5 54 | 14 30 | 6 53 |
| S 23 | 20 33 | 14 10 | 3 52 | 16 16 | 1 27 | 25 0 | 2 40 | 24 38 | 1 19 | 20 34 | 1 3 | 12 26 | 1 24 | 8 39 | 0 40 | 19 40 | 0 45 | 1 28 | 16 53 | 23 4 | 23 7 | 5 51 | 14 30 | 6 53 |
| M24 | 20 44 | 10 7 | 4 31 | 16 55 | 1 19 | 24 53 | 2 41 | 24 41 | 1 22 | 20 33 | 1 3 | 12 26 | 1 24 | 8 39 | 0 40 | 19 40 | 0 45 | 1 28 | 16 53 | 23 4 | 23 7 | 5 48 | 14 29 | 6 52 |
| T 25 | 20 55 | 5 44 | 4 59 | 17 34 | 1 9 | 24 45 | 2 42 | 24 44 | 1 26 | 20 31 | 1 3 | 12 25 | 1 24 | 8 38 | 0 39 | 19 40 | 0 45 | 1 28 | 16 53 | 23 4 | 23 7 | 5 46 | 14 29 | 6 52 |
| W26 | 21 5 | 1 8 | 5 13 | 18 12 | 1 0 | 24 37 | 2 42 | 24 48 | 1 29 | 20 30 | 1 3 | 12 24 | 1 24 | 8 38 | 0 39 | 19 40 | 0 45 | 1 28 | 16 53 | 23 4 | 23 7 | 5 43 | 14 29 | 6 52 |
| T 27 | 21 15 | 3s32 | 5 15 | 18 49 | 0 50 | 24 28 | 2 43 | 24 51 | 1 32 | 20 29 | 1 3 | 12 23 | 1 24 | 8 37 | 0 39 | 19 40 | 0 45 | 1 28 | 16 53 | 23 4 | 23 7 | 5 40 | 14 28 | 6 51 |
| F 28 | 21 25 | 8 8 | 5 2 | 19 26 | 0 40 | 24 18 | 2 43 | 24 54 | 1 35 | 20 28 | 1 3 | 12 22 | 1 24 | 8 36 | 0 39 | 19 41 | 0 45 | 1 27 | 16 53 | 23 4 | 23 7 | 5 38 | 14 28 | 6 51 |
| S 29 | 21 34 | 12 30 | 4 35 | 20 1 | 0 30 | 24 8 | 2 44 | 24 57 | 1 39 | 20 27 | 1 3 | 12 21 | 1 24 | 8 36 | 0 39 | 19 41 | 0 45 | 1 27 | 16 52 | 23 4 | 23 6 | 5 35 | 14 27 | 6 50 |
| S 30 | 21 43 | 16 25 | 3 55 | 20 36 | 0 19 | 23 57 | 2 44 | 25 1 | 1 42 | 20 26 | 1 3 | 12 20 | 1 24 | 8 35 | 0 39 | 19 41 | 0 45 | 1 27 | 16 52 | 23 4 | 23 6 | 5 32 | 14 27 | 6 50 |
| M31 | 21n52 | 19s40 | 3s 2 | 21n 9 | 0s 9 | 23n46 | 2n44 | 25s 4 | 1s46 | 20s25 | 1n 2 | 12n18 | 1n24 | 8s35 | 0n39 | 19s41 | 0n45 | 1s27 | 16n52 | 23s 4 | 23s 6 | 5n30 | 14n27 | 6s49 |

Julian Day Number = 2809237.5, Delta T = 52m39s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°26'57, Lahiri = 37°33'58


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# ASTRODIENST EPHEMERIS for the year 2979
# geocentric

## JUNE 2979 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 39 0 | 11♊10'03 | 0♐ 1 | 8♊44 | 25♋44 | 28°R43 | 7°R19 | 1♍14 | 23°R46 | 28°R 9 | 20°R21 | 21°R46 | 22♐26 | 3♍57 | 24♋14 | T 1 |
| W 2 | 16 42 57 | 12° 7'55 | 13°33 | 10°54 | 26°47 | 28♐28 | 7♐11 | 1°17 | 23♎45 | 28♑ 8 | 20♏19 | 21♐46 | 22°23 | 4° 4 | 24°19 | W 2 |
| T 3 | 16 46 53 | 13° 5'45 | 27°20 | 13° 5 | 27°50 | 28°12 | 7° 4 | 1°20 | 23°44 | 28° 7 | 20°18 | 21°D46 | 22°20 | 4°10 | 24°24 | T 3 |
| F 4 | 16 50 50 | 14° 3'35 | 11♑21 | 15°17 | 28°53 | 27°55 | 6°56 | 1°23 | 23°42 | 28° 6 | 20°16 | 21°46 | 22°17 | 4°17 | 24°29 | F 4 |
| S 5 | 16 54 47 | 15° 1'22 | 25°32 | 17°28 | 29°55 | 27°38 | 6°49 | 1°27 | 23°41 | 28° 5 | 20°15 | 21°47 | 22°14 | 4°24 | 24°34 | S 5 |
| S 6 | 16 58 43 | 15°59'09 | 9♒48 | 19°40 | 0♌57 | 27°20 | 6°41 | 1°30 | 23°40 | 28° 4 | 20°13 | 21°47 | 22°11 | 4°31 | 24°40 | S 6 |
| M 7 | 17 2 40 | 16°56'55 | 24° 7 | 21°51 | 1°59 | 27° 2 | 6°34 | 1°34 | 23°38 | 28° 3 | 20°12 | 21°48 | 22° 7 | 4°37 | 24°45 | M 7 |
| T 8 | 17 6 36 | 17°54'39 | 8♓25 | 24° 1 | 3° 1 | 26°44 | 6°26 | 1°38 | 23°37 | 28° 2 | 20°10 | 21°48 | 22° 4 | 4°44 | 24°50 | T 8 |
| W 9 | 17 10 33 | 18°52'23 | 22°39 | 26°11 | 4° 2 | 26°25 | 6°19 | 1°42 | 23°36 | 28° 1 | 20° 9 | 21°R48 | 22° 1 | 4°51 | 24°56 | W 9 |
| T 10 | 17 14 29 | 19°50'05 | 6♈46 | 28°19 | 5° 2 | 26° 6 | 6°12 | 1°45 | 23°35 | 27°59 | 20° 8 | 21°48 | 21°58 | 4°57 | 25° 1 | T 10 |
| F 11 | 17 18 26 | 20°47'47 | 20°45 | 0♋25 | 6° 3 | 25°46 | 6° 5 | 1°49 | 23°34 | 27°58 | 20° 6 | 21°48 | 21°55 | 5° 4 | 25° 6 | F 11 |
| S 12 | 17 22 22 | 21°45'27 | 4♉33 | 2°30 | 7° 3 | 25°26 | 5°57 | 1°53 | 23°33 | 27°57 | 20° 5 | 21°D48 | 21°52 | 5°11 | 25°12 | S 12 |
| S 13 | 17 26 19 | 22°43'07 | 18° 9 | 4°33 | 8° 3 | 25° 6 | 5°50 | 1°58 | 23°32 | 27°56 | 20° 3 | 21°48 | 21°48 | 5°18 | 25°17 | S 13 |
| M14 | 17 30 16 | 23°40'46 | 1♊32 | 6°34 | 9° 2 | 24°45 | 5°43 | 2° 2 | 23°31 | 27°55 | 20° 2 | 21°48 | 21°45 | 5°24 | 25°23 | M14 |
| T 15 | 17 34 12 | 24°38'24 | 14°42 | 8°32 | 10° 1 | 24°25 | 5°36 | 2° 6 | 23°30 | 27°53 | 20° 1 | 21°48 | 21°42 | 5°31 | 25°29 | T 15 |
| W16 | 17 38 9 | 25°36'00 | 27°37 | 10°29 | 10°59 | 24° 4 | 5°30 | 2°11 | 23°29 | 27°52 | 19°59 | 21°R48 | 21°39 | 5°38 | 25°34 | W16 |
| T 17 | 17 42 5 | 26°33'36 | 10♋17 | 12°23 | 11°58 | 23°43 | 5°23 | 2°15 | 23°29 | 27°51 | 19°58 | 21°48 | 21°36 | 5°44 | 25°40 | T 17 |
| F 18 | 17 46 2 | 27°31'11 | 22°44 | 14°14 | 12°55 | 23°22 | 5°16 | 2°20 | 23°28 | 27°49 | 19°57 | 21°47 | 21°32 | 5°51 | 25°46 | F 18 |
| S 19 | 17 49 58 | 28°28'44 | 4♌58 | 16° 3 | 13°52 | 23° 1 | 5°10 | 2°24 | 23°27 | 27°48 | 19°56 | 21°47 | 21°29 | 5°58 | 25°51 | S 19 |
| S 20 | 17 53 55 | 29°26'16 | 17° 2 | 17°49 | 14°49 | 22°41 | 5° 3 | 2°29 | 23°27 | 27°47 | 19°54 | 21°46 | 21°26 | 6° 5 | 25°57 | S 20 |
| M21 | 17 57 51 | 0♋23'47 | 28°59 | 19°32 | 15°45 | 22°20 | 4°57 | 2°34 | 23°26 | 27°45 | 19°53 | 21°45 | 21°23 | 6°11 | 26° 3 | M21 |
| T 22 | 18 1 48 | 1°21'17 | 10♍52 | 21°13 | 16°41 | 22° 0 | 4°51 | 2°39 | 23°26 | 27°44 | 19°52 | 21°44 | 21°20 | 6°18 | 26° 9 | T 22 |
| W23 | 18 5 45 | 2°18'46 | 22°45 | 22°51 | 17°37 | 21°39 | 4°45 | 2°44 | 23°25 | 27°43 | 19°51 | 21°43 | 21°17 | 6°25 | 26°15 | W23 |
| T 24 | 18 9 41 | 3°16'13 | 4♎43 | 24°26 | 18°31 | 21°19 | 4°39 | 2°49 | 23°25 | 27°41 | 19°50 | 21°D43 | 21°13 | 6°31 | 26°21 | T 24 |
| F 25 | 18 13 38 | 4°13'39 | 16°50 | 25°59 | 19°25 | 21° 0 | 4°33 | 2°54 | 23°25 | 27°40 | 19°49 | 21°43 | 21°10 | 6°38 | 26°26 | F 25 |
| S 26 | 18 17 34 | 5°11'05 | 29°11 | 27°28 | 20°19 | 20°40 | 4°27 | 2°59 | 23°24 | 27°38 | 19°48 | 21°44 | 21° 7 | 6°45 | 26°32 | S 26 |
| S 27 | 18 21 31 | 6° 8'29 | 11♏49 | 28°55 | 21°12 | 20°22 | 4°21 | 3° 4 | 23°24 | 27°37 | 19°47 | 21°45 | 21° 4 | 6°52 | 26°38 | S 27 |
| M28 | 18 25 27 | 7° 5'52 | 24°49 | 0♌19 | 22° 4 | 20° 3 | 4°16 | 3°10 | 23°24 | 27°35 | 19°46 | 21°46 | 21° 1 | 6°58 | 26°44 | M28 |
| T 29 | 18 29 24 | 8° 3'15 | 8♐11 | 1°40 | 22°56 | 19°45 | 4°11 | 3°15 | 23°24 | 27°34 | 19°45 | 21°47 | 20°58 | 7° 5 | 26°50 | T 29 |
| W30 | 18 33 20 | 9♋ 0'37 | 21♐57 | 2♌59 | 23♌47 | 19♐28 | 4♐ 5 | 3♍20 | 23♎24 | 27♑32 | 19♏44 | 21°R48 | 20♐54 | 7♍12 | 26♋56 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n 0 | 21s58 | 1s57 | 21n40 | 0n 2 | 23n34 | 2n44 | 25s 7 | 1s49 | 20s23 | 1n 2 | 12n17 | 1n24 | 8s34 | 0n39 | 19s41 | 0n45 | 1s27 | 16n52 | 23s 3 | 23s 6 | 5n27 | 14n26 | 6s49 |
| W 2 | 22 8 | 23 3 | 0 45 | 22 10 | 0 12 | 23 22 | 2 44 | 25 10 | 1 52 | 20 22 | 1 2 | 12 16 | 1 24 | 8 34 | 0 39 | 19 41 | 0 45 | 1 27 | 16 51 | 23 3 | 23 6 | 5 24 | 14 26 | 6 49 |
| T 3 | 22 15 | 22 46 | 0n31 | 22 37 | 0 23 | 23 9 | 2 43 | 25 14 | 1 56 | 20 21 | 1 2 | 12 15 | 1 24 | 8 33 | 0 39 | 19 42 | 0 45 | 1 26 | 16 51 | 23 3 | 23 5 | 5 22 | 14 25 | 6 48 |
| F 4 | 22 22 | 21 4 | 1 46 | 23 3 | 0 33 | 22 56 | 2 43 | 25 17 | 1 59 | 20 20 | 1 2 | 12 14 | 1 24 | 8 33 | 0 39 | 19 42 | 0 45 | 1 26 | 16 51 | 23 3 | 23 5 | 5 19 | 14 25 | 6 48 |
| S 5 | 22 29 | 18 2 | 2 56 | 23 26 | 0 43 | 22 42 | 2 42 | 25 20 | 2 2 | 20 19 | 1 2 | 12 12 | 1 23 | 8 32 | 0 39 | 19 42 | 0 45 | 1 26 | 16 51 | 23 4 | 23 5 | 5 17 | 14 24 | 6 48 |
| S 6 | 22 35 | 13 54 | 3 56 | 23 47 | 0 52 | 22 28 | 2 41 | 25 23 | 2 6 | 20 18 | 1 2 | 12 11 | 1 23 | 8 32 | 0 39 | 19 42 | 0 45 | 1 26 | 16 50 | 23 4 | 23 5 | 5 14 | 14 24 | 6 47 |
| M 7 | 22 41 | 8 59 | 4 41 | 24 5 | 1 2 | 22 13 | 2 40 | 25 26 | 2 9 | 20 17 | 1 2 | 12 10 | 1 23 | 8 32 | 0 39 | 19 42 | 0 45 | 1 26 | 16 50 | 23 4 | 23 5 | 5 11 | 14 23 | 6 47 |
| T 8 | 22 46 | 3 36 | 5 8 | 24 21 | 1 11 | 21 58 | 2 39 | 25 29 | 2 13 | 20 16 | 1 2 | 12 8 | 1 23 | 8 31 | 0 39 | 19 43 | 0 45 | 1 26 | 16 50 | 23 4 | 23 5 | 5 9 | 14 23 | 6 47 |
| W 9 | 22 51 | 1n57 | 5 17 | 24 34 | 1 19 | 21 42 | 2 38 | 25 32 | 2 16 | 20 14 | 1 1 | 12 7 | 1 23 | 8 31 | 0 39 | 19 43 | 0 45 | 1 26 | 16 50 | 23 4 | 23 4 | 5 6 | 14 22 | 6 46 |
| T 10 | 22 56 | 7 22 | 5 6 | 24 45 | 1 27 | 21 26 | 2 37 | 25 34 | 2 19 | 20 13 | 1 1 | 12 5 | 1 23 | 8 30 | 0 39 | 19 43 | 0 45 | 1 26 | 16 49 | 23 4 | 23 4 | 5 3 | 14 21 | 6 46 |
| F 11 | 23 0 | 12 21 | 4 38 | 24 52 | 1 34 | 21 10 | 2 35 | 25 37 | 2 22 | 20 12 | 1 1 | 12 4 | 1 23 | 8 30 | 0 39 | 19 43 | 0 45 | 1 26 | 16 49 | 23 4 | 23 4 | 5 1 | 14 21 | 6 46 |
| S 12 | 23 3 | 16 37 | 3 53 | 24 57 | 1 40 | 20 53 | 2 34 | 25 40 | 2 26 | 20 11 | 1 1 | 12 2 | 1 23 | 8 30 | 0 39 | 19 43 | 0 45 | 1 26 | 16 49 | 23 4 | 23 4 | 4 58 | 14 20 | 6 45 |
| S 13 | 23 7 | 19 58 | 2 56 | 25 0 | 1 46 | 20 36 | 2 32 | 25 42 | 2 29 | 20 10 | 1 1 | 12 1 | 1 23 | 8 29 | 0 39 | 19 44 | 0 45 | 1 26 | 16 48 | 23 4 | 23 4 | 4 55 | 14 19 | 6 45 |
| M14 | 23 10 | 22 9 | 1 50 | 25 0 | 1 51 | 20 19 | 2 30 | 25 44 | 2 32 | 20 9 | 1 1 | 11 59 | 1 23 | 8 29 | 0 39 | 19 44 | 0 45 | 1 26 | 16 48 | 23 4 | 23 3 | 4 53 | 14 19 | 6 45 |
| T 15 | 23 12 | 23 5 | 0 39 | 24 57 | 1 55 | 20 1 | 2 28 | 25 47 | 2 35 | 20 8 | 1 0 | 11 58 | 1 23 | 8 29 | 0 39 | 19 44 | 0 45 | 1 26 | 16 48 | 23 4 | 23 3 | 4 50 | 14 18 | 6 44 |
| W16 | 23 14 | 22 45 | 0s32 | 24 52 | 1 59 | 19 43 | 2 25 | 25 49 | 2 38 | 20 7 | 1 0 | 11 56 | 1 23 | 8 29 | 0 39 | 19 44 | 0 45 | 1 26 | 16 47 | 23 4 | 23 3 | 4 47 | 14 17 | 6 44 |
| T 17 | 23 16 | 21 15 | 1 41 | 24 45 | 2 1 | 19 24 | 2 23 | 25 51 | 2 41 | 20 6 | 1 0 | 11 54 | 1 23 | 8 28 | 0 39 | 19 45 | 0 45 | 1 26 | 16 47 | 23 4 | 23 3 | 4 45 | 14 17 | 6 44 |
| F 18 | 23 17 | 18 43 | 2 43 | 24 36 | 2 3 | 19 5 | 2 20 | 25 53 | 2 44 | 20 5 | 1 0 | 11 53 | 1 23 | 8 28 | 0 39 | 19 45 | 0 45 | 1 26 | 16 46 | 23 4 | 23 3 | 4 42 | 14 16 | 6 44 |
| S 19 | 23 18 | 15 25 | 3 37 | 24 25 | 2 4 | 18 46 | 2 17 | 25 55 | 2 47 | 20 4 | 1 0 | 11 51 | 1 23 | 8 28 | 0 39 | 19 45 | 0 45 | 1 26 | 16 46 | 23 3 | 23 2 | 4 39 | 14 15 | 6 43 |
| S 20 | 23 19 | 11 30 | 4 20 | 24 11 | 2 5 | 18 27 | 2 14 | 25 56 | 2 50 | 20 3 | 1 0 | 11 49 | 1 23 | 8 28 | 0 39 | 19 45 | 0 45 | 1 26 | 16 46 | 23 3 | 23 2 | 4 37 | 14 14 | 6 43 |
| M21 | 23 19 | 7 12 | 4 52 | 23 57 | 2 4 | 18 7 | 2 11 | 25 58 | 2 53 | 20 2 | 0 59 | 11 47 | 1 23 | 8 28 | 0 39 | 19 46 | 0 45 | 1 26 | 16 45 | 23 3 | 23 2 | 4 34 | 14 13 | 6 43 |
| T 22 | 23 18 | 2 39 | 5 11 | 23 40 | 2 3 | 17 47 | 2 8 | 25 59 | 2 55 | 20 1 | 0 59 | 11 46 | 1 22 | 8 27 | 0 38 | 19 46 | 0 45 | 1 26 | 16 45 | 23 3 | 23 2 | 4 32 | 14 13 | 6 43 |
| W23 | 23 17 | 1s59 | 5 16 | 23 22 | 2 1 | 17 27 | 2 4 | 26 1 | 2 58 | 20 0 | 0 59 | 11 44 | 1 22 | 8 27 | 0 38 | 19 46 | 0 45 | 1 26 | 16 44 | 23 3 | 23 2 | 4 29 | 14 12 | 6 42 |
| T 24 | 23 16 | 6 35 | 5 8 | 23 3 | 1 58 | 17 7 | 2 1 | 26 2 | 3 1 | 19 59 | 0 59 | 11 42 | 1 22 | 8 27 | 0 38 | 19 47 | 0 45 | 1 27 | 16 44 | 23 3 | 23 1 | 4 26 | 14 11 | 6 42 |
| F 25 | 23 15 | 11 0 | 4 47 | 22 43 | 1 54 | 16 46 | 1 57 | 26 3 | 3 3 | 19 58 | 0 59 | 11 40 | 1 22 | 8 27 | 0 38 | 19 47 | 0 45 | 1 27 | 16 44 | 23 3 | 23 1 | 4 24 | 14 10 | 6 42 |
| S 26 | 23 13 | 15 2 | 4 11 | 22 21 | 1 50 | 16 25 | 1 53 | 26 4 | 3 5 | 19 58 | 0 59 | 11 38 | 1 22 | 8 27 | 0 38 | 19 47 | 0 45 | 1 27 | 16 43 | 23 3 | 23 1 | 4 21 | 14 9 | 6 42 |
| S 27 | 23 10 | 18 31 | 3 23 | 21 59 | 1 45 | 16 4 | 1 48 | 26 5 | 3 8 | 19 57 | 0 58 | 11 36 | 1 22 | 8 27 | 0 38 | 19 47 | 0 45 | 1 27 | 16 43 | 23 3 | 23 1 | 4 18 | 14 8 | 6 42 |
| M28 | 23 7 | 21 11 | 2 24 | 21 36 | 1 39 | 15 43 | 1 44 | 26 6 | 3 10 | 19 56 | 0 58 | 11 34 | 1 22 | 8 27 | 0 38 | 19 48 | 0 45 | 1 27 | 16 42 | 23 3 | 23 1 | 4 16 | 14 7 | 6 41 |
| T 29 | 23 4 | 22 47 | 1 14 | 21 12 | 1 33 | 15 22 | 1 39 | 26 7 | 3 12 | 19 55 | 0 58 | 11 32 | 1 22 | 8 27 | 0 38 | 19 48 | 0 45 | 1 27 | 16 42 | 23 4 | 23 0 | 4 13 | 14 7 | 6 41 |
| W30 | 23n 0 | 23s 3 | 0n 1 | 20n47 | 1n26 | 15n 0 | 1n34 | 26s 7 | 3s14 | 19s54 | 0n58 | 11n30 | 1n22 | 8s27 | 0n38 | 19s48 | 0n45 | 1s28 | 16n41 | 23s 4 | 23s 0 | 4n10 | 14n 6 | 6s41 |

Julian Day Number = 2809268.5, Delta T = 52m39s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°27'02, Lahiri = 37°34'02


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# ASTRODIENST EPHEMERIS for the year 2979
# geocentric

## JULY 2979 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 37 17 | 9♋57'57 | 6♉ 4 | 4♌14 | 24♌38 | 19°R11 | 4°R 0 | 3♍26 | 23°D24 | 27°R31 | 19°R43 | 21°R47 | 20♐51 | 7♍19 | 27♋ 3 | T 1 |
| F 2 | 18 41 14 | 10°55'18 | 20°30 | 5°26 | 25°27 | 18♐54 | 3♐55 | 3°32 | 23♎24 | 27♉29 | 19♏42 | 21♐46 | 20°48 | 7°25 | 27° 9 | F 2 |
| S 3 | 18 45 10 | 11°52'37 | 5♒ 8 | 6°35 | 26°16 | 18°38 | 3°51 | 3°37 | 23°24 | 27°28 | 19°41 | 21°44 | 20°45 | 7°32 | 27°15 | S 3 |
| S 4 | 18 49 7 | 12°49'56 | 19°52 | 7°41 | 27° 4 | 18°23 | 3°46 | 3°43 | 23°24 | 27°26 | 19°40 | 21°41 | 20°42 | 7°39 | 27°21 | S 4 |
| M 5 | 18 53 3 | 13°47'15 | 4♓34 | 8°44 | 27°52 | 18° 9 | 3°42 | 3°49 | 23°24 | 27°25 | 19°39 | 21°38 | 20°38 | 7°45 | 27°27 | M 5 |
| T 6 | 18 57 0 | 14°44'33 | 19° 9 | 9°43 | 28°38 | 17°55 | 3°37 | 3°54 | 23°25 | 27°23 | 19°39 | 21°36 | 20°35 | 7°52 | 27°33 | T 6 |
| W 7 | 19 0 56 | 15°41'51 | 3♈31 | 10°39 | 29°24 | 17°41 | 3°33 | 4° 0 | 23°25 | 27°21 | 19°38 | 21°35 | 20°32 | 7°59 | 27°39 | W 7 |
| T 8 | 19 4 53 | 16°39'09 | 17°37 | 11°32 | 0♍ 9 | 17°29 | 3°29 | 4° 6 | 23°25 | 27°20 | 19°37 | 21°D34 | 20°29 | 8° 6 | 27°46 | T 8 |
| F 9 | 19 8 49 | 17°36'27 | 1♉26 | 12°21 | 0°53 | 17°17 | 3°25 | 4°12 | 23°26 | 27°18 | 19°36 | 21°35 | 20°26 | 8°12 | 27°52 | F 9 |
| S 10 | 19 12 46 | 18°33'45 | 14°58 | 13° 6 | 1°36 | 17° 6 | 3°22 | 4°18 | 23°26 | 27°17 | 19°36 | 21°36 | 20°23 | 8°19 | 27°58 | S 10 |
| S 11 | 19 16 43 | 19°31'03 | 28°14 | 13°48 | 2°18 | 16°56 | 3°18 | 4°25 | 23°27 | 27°15 | 19°35 | 21°38 | 20°19 | 8°26 | 28° 4 | S 11 |
| M12 | 19 20 39 | 20°28'20 | 11♊14 | 14°25 | 2°59 | 16°47 | 3°15 | 4°31 | 23°27 | 27°13 | 19°35 | 21°39 | 20°16 | 8°32 | 28°10 | M12 |
| T 13 | 19 24 36 | 21°25'38 | 24° 2 | 14°59 | 3°39 | 16°38 | 3°12 | 4°37 | 23°28 | 27°12 | 19°34 | 21°R39 | 20°13 | 8°39 | 28°17 | T 13 |
| W14 | 19 28 32 | 22°22'55 | 6♋37 | 15°28 | 4°17 | 16°30 | 3° 9 | 4°43 | 23°28 | 27°10 | 19°33 | 21°38 | 20°10 | 8°46 | 28°23 | W14 |
| T 15 | 19 32 29 | 23°20'12 | 19° 1 | 15°53 | 4°55 | 16°23 | 3° 6 | 4°50 | 23°29 | 27° 9 | 19°33 | 21°36 | 20° 7 | 8°53 | 28°29 | T 15 |
| F 16 | 19 36 25 | 24°17'29 | 1♌16 | 16°14 | 5°32 | 16°17 | 3° 3 | 4°56 | 23°30 | 27° 7 | 19°32 | 21°32 | 20° 4 | 8°59 | 28°36 | F 16 |
| S 17 | 19 40 22 | 25°14'46 | 13°22 | 16°31 | 6° 7 | 16°12 | 3° 1 | 5° 3 | 23°31 | 27° 5 | 19°32 | 21°26 | 20° 0 | 9° 6 | 28°42 | S 17 |
| S 18 | 19 44 19 | 26°12'02 | 25°22 | 16°42 | 6°41 | 16° 7 | 2°59 | 5° 9 | 23°32 | 27° 4 | 19°32 | 21°20 | 19°57 | 9°13 | 28°48 | S 18 |
| M19 | 19 48 15 | 27° 9'18 | 7♍16 | 16°50 | 7°14 | 16° 4 | 2°57 | 5°16 | 23°33 | 27° 2 | 19°31 | 21°14 | 19°54 | 9°20 | 28°54 | M19 |
| T 20 | 19 52 12 | 28° 6'34 | 19° 8 | 16°R52 | 7°45 | 16° 1 | 2°55 | 5°22 | 23°34 | 27° 1 | 19°31 | 21° 8 | 19°51 | 9°26 | 29° 1 | T 20 |
| W21 | 19 56 8 | 29° 3'50 | 1♎ 0 | 16°50 | 8°15 | 15°59 | 2°53 | 5°29 | 23°35 | 26°59 | 19°31 | 21° 4 | 19°48 | 9°33 | 29° 7 | W21 |
| T 22 | 20 0 5 | 0♌ 1'05 | 12°56 | 16°43 | 8°43 | 15°58 | 2°51 | 5°35 | 23°36 | 26°57 | 19°30 | 21° 0 | 19°44 | 9°40 | 29°13 | T 22 |
| F 23 | 20 4 1 | 0°58'20 | 25° 1 | 16°32 | 9°10 | 15°D58 | 2°50 | 5°42 | 23°37 | 26°56 | 19°30 | 20°59 | 19°41 | 9°46 | 29°20 | F 23 |
| S 24 | 20 7 58 | 1°55'35 | 7♏19 | 16°16 | 9°35 | 15°58 | 2°49 | 5°49 | 23°38 | 26°54 | 19°30 | 20°D59 | 19°38 | 9°53 | 29°26 | S 24 |
| S 25 | 20 11 54 | 2°52'50 | 19°54 | 15°56 | 9°59 | 16° 0 | 2°48 | 5°56 | 23°39 | 26°52 | 19°30 | 21° 0 | 19°35 | 10° 0 | 29°32 | S 25 |
| M26 | 20 15 51 | 3°50'04 | 2♐51 | 15°32 | 10°20 | 16° 2 | 2°47 | 6° 3 | 23°41 | 26°51 | 19°30 | 21° 1 | 19°32 | 10° 7 | 29°39 | M26 |
| T 27 | 20 19 47 | 4°47'19 | 16°14 | 15° 4 | 10°40 | 16° 5 | 2°46 | 6°10 | 23°42 | 26°49 | 19°29 | 21°R 2 | 19°29 | 10°13 | 29°45 | T 27 |
| W28 | 20 23 44 | 5°44'33 | 0♉ 4 | 14°32 | 10°59 | 16° 9 | 2°46 | 6°17 | 23°43 | 26°48 | 19°29 | 21° 2 | 19°25 | 10°20 | 29°51 | W28 |
| T 29 | 20 27 41 | 6°41'48 | 14°21 | 13°58 | 11°15 | 16°14 | 2°46 | 6°23 | 23°45 | 26°46 | 19°29 | 21° 0 | 19°22 | 10°27 | 29°58 | T 29 |
| F 30 | 20 31 37 | 7°39'02 | 29° 1 | 13°21 | 11°29 | 16°19 | 2°D45 | 6°30 | 23°46 | 26°44 | 19°D29 | 20°56 | 19°19 | 10°33 | 0♌ 4 | F 30 |
| S 31 | 20 35 34 | 8♌36'17 | 13♒59 | 12♌43 | 11♍41 | 16♐26 | 2♐46 | 6♍38 | 23♎48 | 26♉43 | 19♏29 | 20♐50 | 19♐16 | 10♍40 | 0♌10 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n56 | 21s52 | 1n18 | 20n22 | 1n18 | 14n39 | 1n29 | 26s 8 | 3s16 | 19s54 | 0n58 | 11n28 | 1n22 | 8s27 | 0n38 | 19s49 | 0n45 | 1s28 | 16n41 | 23s 4 | 23s 0 | 4n 8 | 14n 5 | 6s41 |
| F 2 | 22 52 | 19 15 | 2 32 | 19 56 | 1 10 | 14 17 | 1 24 | 26 8 | 3 18 | 19 53 | 0 57 | 11 26 | 1 22 | 8 27 | 0 38 | 19 49 | 0 45 | 1 28 | 16 40 | 23 3 | 23 0 | 4 5 | 14 4 | 6 41 |
| S 3 | 22 47 | 15 23 | 3 37 | 19 30 | 1 1 | 13 56 | 1 19 | 26 9 | 3 20 | 19 52 | 0 57 | 11 24 | 1 22 | 8 27 | 0 38 | 19 49 | 0 45 | 1 28 | 16 40 | 23 3 | 22 59 | 4 2 | 14 3 | 6 41 |
| S 4 | 22 42 | 10 32 | 4 27 | 19 4 | 0 51 | 13 34 | 1 13 | 26 9 | 3 21 | 19 52 | 0 57 | 11 22 | 1 22 | 8 27 | 0 38 | 19 49 | 0 45 | 1 29 | 16 39 | 23 3 | 22 59 | 4 0 | 14 2 | 6 40 |
| M 5 | 22 36 | 5 7 | 5 1 | 18 38 | 0 41 | 13 12 | 1 7 | 26 9 | 3 23 | 19 51 | 0 57 | 11 20 | 1 22 | 8 27 | 0 38 | 19 50 | 0 45 | 1 29 | 16 39 | 23 3 | 22 59 | 3 57 | 14 1 | 6 40 |
| T 6 | 22 30 | 0n33 | 5 14 | 18 12 | 0 30 | 12 50 | 1 1 | 26 10 | 3 24 | 19 50 | 0 56 | 11 18 | 1 22 | 8 27 | 0 38 | 19 50 | 0 45 | 1 29 | 16 38 | 23 3 | 22 59 | 3 54 | 14 0 | 6 40 |
| W 7 | 22 24 | 6 6 | 5 8 | 17 46 | 0 18 | 12 28 | 0 54 | 26 10 | 3 26 | 19 50 | 0 56 | 11 16 | 1 22 | 8 28 | 0 38 | 19 50 | 0 45 | 1 30 | 16 38 | 23 3 | 22 59 | 3 52 | 13 59 | 6 40 |
| T 8 | 22 17 | 11 14 | 4 43 | 17 20 | 0 6 | 12 6 | 0 48 | 26 10 | 3 27 | 19 49 | 0 56 | 11 13 | 1 22 | 8 28 | 0 38 | 19 51 | 0 45 | 1 30 | 16 37 | 23 3 | 22 58 | 3 49 | 13 58 | 6 40 |
| F 9 | 22 10 | 15 41 | 4 2 | 16 54 | 0s 6 | 11 44 | 0 41 | 26 10 | 3 29 | 19 49 | 0 56 | 11 11 | 1 22 | 8 28 | 0 38 | 19 51 | 0 45 | 1 30 | 16 37 | 23 3 | 22 58 | 3 47 | 13 56 | 6 40 |
| S 10 | 22 2 | 19 14 | 3 8 | 16 29 | 0 19 | 11 23 | 0 34 | 26 10 | 3 30 | 19 48 | 0 56 | 11 9 | 1 22 | 8 28 | 0 38 | 19 51 | 0 45 | 1 31 | 16 36 | 23 3 | 22 58 | 3 44 | 13 55 | 6 40 |
| S 11 | 21 54 | 21 41 | 2 5 | 16 5 | 0 33 | 11 1 | 0 26 | 26 10 | 3 31 | 19 48 | 0 55 | 11 7 | 1 22 | 8 28 | 0 38 | 19 52 | 0 45 | 1 31 | 16 36 | 23 3 | 22 58 | 3 41 | 13 54 | 6 40 |
| M12 | 21 46 | 22 57 | 0 57 | 15 40 | 0 47 | 10 39 | 0 19 | 26 10 | 3 32 | 19 47 | 0 55 | 11 4 | 1 22 | 8 29 | 0 38 | 19 52 | 0 45 | 1 31 | 16 35 | 23 3 | 22 57 | 3 39 | 13 53 | 6 40 |
| T 13 | 21 37 | 22 58 | 0s13 | 15 17 | 1 1 | 10 17 | 0 11 | 26 10 | 3 33 | 19 47 | 0 55 | 11 2 | 1 22 | 8 29 | 0 38 | 19 52 | 0 45 | 1 32 | 16 35 | 23 3 | 22 57 | 3 36 | 13 52 | 6 39 |
| W14 | 21 28 | 21 48 | 1 21 | 14 54 | 1 16 | 9 56 | 0 3 | 26 10 | 3 34 | 19 47 | 0 55 | 11 0 | 1 22 | 8 29 | 0 38 | 19 53 | 0 45 | 1 32 | 16 34 | 23 3 | 22 57 | 3 33 | 13 51 | 6 39 |
| T 15 | 21 18 | 19 36 | 2 24 | 14 33 | 1 31 | 9 34 | 0s 5 | 26 11 | 3 35 | 19 46 | 0 54 | 10 57 | 1 22 | 8 30 | 0 38 | 19 53 | 0 45 | 1 32 | 16 34 | 23 3 | 22 57 | 3 31 | 13 50 | 6 39 |
| F 16 | 21 9 | 16 32 | 3 19 | 14 12 | 1 46 | 9 13 | 0 14 | 26 11 | 3 35 | 19 46 | 0 54 | 10 55 | 1 22 | 8 30 | 0 37 | 19 53 | 0 45 | 1 33 | 16 33 | 23 3 | 22 56 | 3 28 | 13 49 | 6 39 |
| S 17 | 20 58 | 12 48 | 4 5 | 13 53 | 2 1 | 8 52 | 0 23 | 26 11 | 3 36 | 19 46 | 0 54 | 10 53 | 1 22 | 8 30 | 0 37 | 19 54 | 0 45 | 1 33 | 16 33 | 23 2 | 22 56 | 3 25 | 13 47 | 6 39 |
| S 18 | 20 48 | 8 36 | 4 39 | 13 35 | 2 16 | 8 31 | 0 32 | 26 11 | 3 36 | 19 46 | 0 54 | 10 50 | 1 22 | 8 31 | 0 37 | 19 54 | 0 45 | 1 34 | 16 32 | 23 2 | 22 56 | 3 23 | 13 46 | 6 39 |
| M19 | 20 37 | 4 8 | 5 1 | 13 18 | 2 32 | 8 10 | 0 41 | 26 11 | 3 37 | 19 46 | 0 54 | 10 48 | 1 22 | 8 31 | 0 37 | 19 54 | 0 45 | 1 34 | 16 32 | 23 1 | 22 56 | 3 20 | 13 45 | 6 39 |
| T 20 | 20 26 | 0s29 | 5 10 | 13 2 | 2 47 | 7 50 | 0 51 | 26 11 | 3 37 | 19 45 | 0 53 | 10 45 | 1 22 | 8 31 | 0 37 | 19 55 | 0 45 | 1 35 | 16 31 | 23 1 | 22 56 | 3 18 | 13 44 | 6 39 |
| W21 | 20 14 | 5 4 | 5 6 | 12 48 | 3 2 | 7 30 | 1 1 | 26 11 | 3 38 | 19 45 | 0 53 | 10 43 | 1 22 | 8 32 | 0 37 | 19 55 | 0 45 | 1 35 | 16 30 | 23 1 | 22 55 | 3 15 | 13 43 | 6 39 |
| T 22 | 20 2 | 9 30 | 4 48 | 12 36 | 3 17 | 7 10 | 1 11 | 26 12 | 3 38 | 19 45 | 0 53 | 10 41 | 1 22 | 8 32 | 0 37 | 19 55 | 0 45 | 1 35 | 16 30 | 23 1 | 22 55 | 3 12 | 13 41 | 6 39 |
| F 23 | 19 50 | 13 38 | 4 17 | 12 26 | 3 32 | 6 50 | 1 21 | 26 12 | 3 38 | 19 45 | 0 53 | 10 38 | 1 21 | 8 33 | 0 37 | 19 55 | 0 45 | 1 36 | 16 29 | 23 0 | 22 55 | 3 10 | 13 40 | 6 39 |
| S 24 | 19 38 | 17 16 | 3 35 | 12 17 | 3 46 | 6 31 | 1 32 | 26 12 | 3 39 | 19 45 | 0 52 | 10 36 | 1 21 | 8 33 | 0 37 | 19 56 | 0 45 | 1 36 | 16 29 | 23 0 | 22 55 | 3 7 | 13 39 | 6 39 |
| S 25 | 19 25 | 20 12 | 2 41 | 12 10 | 3 59 | 6 12 | 1 43 | 26 12 | 3 39 | 19 45 | 0 52 | 10 33 | 1 21 | 8 34 | 0 37 | 19 56 | 0 45 | 1 37 | 16 28 | 23 0 | 22 54 | 3 4 | 13 37 | 6 39 |
| M26 | 19 11 | 22 12 | 1 37 | 12 6 | 4 11 | 5 54 | 1 54 | 26 13 | 3 39 | 19 45 | 0 52 | 10 31 | 1 21 | 8 34 | 0 37 | 19 56 | 0 45 | 1 37 | 16 28 | 23 1 | 22 54 | 3 2 | 13 36 | 6 39 |
| T 27 | 18 58 | 23 2 | 0 26 | 12 3 | 4 22 | 5 35 | 2 5 | 26 13 | 3 39 | 19 45 | 0 52 | 10 28 | 1 21 | 8 35 | 0 37 | 19 57 | 0 45 | 1 38 | 16 27 | 23 1 | 22 54 | 2 59 | 13 35 | 6 39 |
| W28 | 18 44 | 22 30 | 0n49 | 12 2 | 4 33 | 5 18 | 2 17 | 26 14 | 3 39 | 19 46 | 0 51 | 10 25 | 1 21 | 8 35 | 0 37 | 19 57 | 0 45 | 1 39 | 16 26 | 23 1 | 22 54 | 2 57 | 13 34 | 6 39 |
| T 29 | 18 30 | 20 31 | 2 3 | 12 3 | 4 42 | 5 1 | 2 29 | 26 14 | 3 39 | 19 46 | 0 51 | 10 23 | 1 21 | 8 36 | 0 37 | 19 57 | 0 45 | 1 39 | 16 26 | 23 0 | 22 53 | 2 54 | 13 32 | 6 39 |
| F 30 | 18 16 | 17 8 | 3 10 | 12 6 | 4 49 | 4 44 | 2 41 | 26 15 | 3 39 | 19 46 | 0 51 | 10 20 | 1 21 | 8 36 | 0 37 | 19 58 | 0 45 | 1 40 | 16 25 | 23 0 | 22 53 | 2 51 | 13 31 | 6 40 |
| S 31 | 18n 1 | 12s36 | 4n 6 | 12n10 | 4s56 | 4n28 | 2s53 | 26s15 | 3s39 | 19s46 | 0n51 | 10n18 | 1n21 | 8s37 | 0n37 | 19s58 | 0n45 | 1s40 | 16n25 | 23s 0 | 22s53 | 2n49 | 13n30 | 6s40 |

Julian Day Number = 2809298.5, Delta T = 52m40s
Ecliptic obliquity = 23°18'42, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°27'06, Lahiri = 37°34'06


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# ASTRODIENST EPHEMERIS for the year 2979
# geocentric

## AUGUST 2979 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 39 30 | 9♌33'32 | 29♒ 6 | 12°R 3 | 11♍51 | 16♐33 | 2♐46 | 6♍45 | 23♎49 | 26°R41 | 19♏29 | 20°R43 | 19♐13 | 10♍47 | 0♌16 | S 1 |
| M 2 | 20 43 27 | 10°30'47 | 14♓12 | 11♌22 | 11°59 | 16°40 | 2°46 | 6°52 | 23°51 | 26♑40 | 19°29 | 20♐36 | 19°10 | 10°54 | 0°23 | M 2 |
| T 3 | 20 47 23 | 11°28'03 | 29° 7 | 10°42 | 12° 5 | 16°49 | 2°47 | 6°59 | 23°53 | 26°38 | 19°30 | 20°29 | 19° 6 | 11° 0 | 0°29 | T 3 |
| W 4 | 20 51 20 | 12°25'19 | 13♈44 | 10° 3 | 12° 9 | 16°58 | 2°48 | 7° 6 | 23°55 | 26°37 | 19°30 | 20°24 | 19° 3 | 11° 7 | 0°35 | W 4 |
| T 5 | 20 55 16 | 13°22'37 | 27°58 | 9°25 | 12°R10 | 17° 8 | 2°49 | 7°13 | 23°56 | 26°35 | 19°30 | 20°21 | 19° 0 | 11°14 | 0°41 | T 5 |
| F 6 | 20 59 13 | 14°19'55 | 11♉48 | 8°49 | 12° 9 | 17°19 | 2°50 | 7°20 | 23°58 | 26°34 | 19°30 | 20°D20 | 18°57 | 11°20 | 0°48 | F 6 |
| S 7 | 21 3 10 | 15°17'13 | 25°14 | 8°17 | 12° 6 | 17°30 | 2°51 | 7°28 | 24° 0 | 26°32 | 19°30 | 20°21 | 18°54 | 11°27 | 0°54 | S 7 |
| S 8 | 21 7 6 | 16°14'33 | 8♊18 | 7°48 | 12° 0 | 17°43 | 2°53 | 7°35 | 24° 2 | 26°31 | 19°31 | 20°22 | 18°50 | 11°34 | 1° 0 | S 8 |
| M 9 | 21 11 3 | 17°11'53 | 21° 5 | 7°23 | 11°52 | 17°55 | 2°54 | 7°42 | 24° 4 | 26°29 | 19°31 | 20°R22 | 18°47 | 11°41 | 1° 6 | M 9 |
| T 10 | 21 14 59 | 18° 9'15 | 3♋37 | 7° 2 | 11°42 | 18° 9 | 2°56 | 7°50 | 24° 6 | 26°28 | 19°31 | 20°21 | 18°44 | 11°47 | 1°12 | T 10 |
| W11 | 21 18 56 | 19° 6'37 | 15°57 | 6°47 | 11°29 | 18°23 | 2°58 | 7°57 | 24° 8 | 26°26 | 19°32 | 20°18 | 18°41 | 11°54 | 1°19 | W11 |
| T 12 | 21 22 52 | 20° 3'59 | 28° 7 | 6°37 | 11°14 | 18°38 | 3° 0 | 8° 5 | 24°10 | 26°25 | 19°32 | 20°13 | 18°38 | 12° 1 | 1°25 | T 12 |
| F 13 | 21 26 49 | 21° 1'23 | 10♌11 | 6°D32 | 10°57 | 18°53 | 3° 3 | 8°12 | 24°12 | 26°23 | 19°33 | 20° 5 | 18°35 | 12° 8 | 1°31 | F 13 |
| S 14 | 21 30 46 | 21°58'47 | 22°10 | 6°34 | 10°37 | 19° 9 | 3° 5 | 8°19 | 24°14 | 26°22 | 19°33 | 19°54 | 18°31 | 12°14 | 1°37 | S 14 |
| S 15 | 21 34 42 | 22°56'12 | 4♍ 4 | 6°41 | 10°15 | 19°26 | 3° 8 | 8°27 | 24°17 | 26°20 | 19°34 | 19°43 | 18°28 | 12°21 | 1°43 | S 15 |
| M16 | 21 38 39 | 23°53'37 | 15°56 | 6°55 | 9°51 | 19°44 | 3°11 | 8°34 | 24°19 | 26°19 | 19°34 | 19°31 | 18°25 | 12°28 | 1°49 | M16 |
| T 17 | 21 42 35 | 24°51'03 | 27°48 | 7°15 | 9°25 | 20° 2 | 3°14 | 8°42 | 24°21 | 26°18 | 19°35 | 19°20 | 18°22 | 12°34 | 1°55 | T 17 |
| W18 | 21 46 32 | 25°48'30 | 9♎40 | 7°42 | 8°57 | 20°20 | 3°17 | 8°49 | 24°24 | 26°16 | 19°36 | 19°10 | 18°19 | 12°41 | 2° 1 | W18 |
| T 19 | 21 50 28 | 26°45'58 | 21°37 | 8°15 | 8°27 | 20°39 | 3°21 | 8°57 | 24°26 | 26°15 | 19°36 | 19° 2 | 18°15 | 12°48 | 2° 7 | T 19 |
| F 20 | 21 54 25 | 27°43'26 | 3♏41 | 8°54 | 7°55 | 20°59 | 3°24 | 9° 4 | 24°29 | 26°14 | 19°37 | 18°57 | 18°12 | 12°55 | 2°13 | F 20 |
| S 21 | 21 58 21 | 28°40'55 | 15°57 | 9°40 | 7°23 | 21°19 | 3°28 | 9°12 | 24°31 | 26°12 | 19°38 | 18°55 | 18° 9 | 13° 1 | 2°19 | S 21 |
| S 22 | 22 2 18 | 29°38'24 | 28°29 | 10°32 | 6°48 | 21°40 | 3°32 | 9°20 | 24°34 | 26°11 | 19°38 | 18°D54 | 18° 6 | 13° 8 | 2°25 | S 22 |
| M23 | 22 6 14 | 0♍35'54 | 11♐21 | 11°30 | 6°13 | 22° 1 | 3°36 | 9°27 | 24°36 | 26°10 | 19°39 | 18°54 | 18° 3 | 13°15 | 2°31 | M23 |
| T 24 | 22 10 11 | 1°33'25 | 24°38 | 12°34 | 5°37 | 22°23 | 3°40 | 9°35 | 24°39 | 26° 8 | 19°40 | 18°R54 | 18° 0 | 13°21 | 2°37 | T 24 |
| W25 | 22 14 8 | 2°30'57 | 8♑23 | 13°43 | 5° 0 | 22°46 | 3°45 | 9°42 | 24°41 | 26° 7 | 19°41 | 18°53 | 17°56 | 13°28 | 2°42 | W25 |
| T 26 | 22 18 4 | 3°28'30 | 22°37 | 14°59 | 4°22 | 23° 8 | 3°49 | 9°50 | 24°44 | 26° 6 | 19°42 | 18°49 | 17°53 | 13°35 | 2°48 | T 26 |
| F 27 | 22 22 1 | 4°26'03 | 7♒19 | 16°20 | 3°45 | 23°32 | 3°54 | 9°58 | 24°47 | 26° 5 | 19°43 | 18°43 | 17°50 | 13°42 | 2°54 | F 27 |
| S 28 | 22 25 57 | 5°23'37 | 22°23 | 17°46 | 3° 7 | 23°56 | 3°59 | 10° 5 | 24°49 | 26° 4 | 19°44 | 18°35 | 17°47 | 13°48 | 3° 0 | S 28 |
| S 29 | 22 29 54 | 6°21'12 | 7♓40 | 19°16 | 2°30 | 24°20 | 4° 4 | 10°13 | 24°52 | 26° 2 | 19°45 | 18°25 | 17°44 | 13°55 | 3° 5 | S 29 |
| M30 | 22 33 50 | 7°18'48 | 23° 0 | 20°52 | 1°54 | 24°45 | 4° 9 | 10°21 | 24°55 | 26° 1 | 19°46 | 18°15 | 17°41 | 14° 2 | 3°11 | M30 |
| T 31 | 22 37 47 | 8♍16'26 | 8♈10 | 22♌31 | 1♍18 | 25♐10 | 4♐15 | 10♍28 | 24♎58 | 26♑ 0 | 19♏47 | 18♐ 5 | 17♐37 | 14♍ 9 | 3♌17 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n46 | 7s15 | 4n46 | 12n17 | 5s 0 | 4n13 | 3s 6 | 26s16 | 3s39 | 19s46 | 0n51 | 10n15 | 1n21 | 8s38 | 0n37 | 19s58 | 0n45 | 1s41 | 16n24 | 22s59 | 22s53 | 2n46 | 13n28 | 6s40 |
| M 2 | 17 31 | 1 29 | 5 5 | 12 25 | 5 3 | 3 58 | 3 18 | 26 16 | 3 38 | 19 47 | 0 50 | 10 13 | 1 22 | 8 38 | 0 37 | 19 59 | 0 45 | 1 41 | 16 24 | 22 59 | 22 52 | 2 43 | 13 27 | 6 40 |
| T 3 | 17 15 | 4n18 | 5 3 | 12 34 | 5 4 | 3 44 | 3 31 | 26 17 | 3 38 | 19 47 | 0 50 | 10 10 | 1 22 | 8 39 | 0 37 | 19 59 | 0 45 | 1 42 | 16 23 | 22 58 | 22 52 | 2 41 | 13 25 | 6 40 |
| W 4 | 16 59 | 9 43 | 4 42 | 12 45 | 5 4 | 3 30 | 3 44 | 26 18 | 3 38 | 19 48 | 0 50 | 10 7 | 1 22 | 8 40 | 0 37 | 19 59 | 0 45 | 1 43 | 16 22 | 22 58 | 22 52 | 2 38 | 13 24 | 6 40 |
| T 5 | 16 43 | 14 29 | 4 4 | 12 57 | 5 1 | 3 18 | 3 57 | 26 18 | 3 38 | 19 48 | 0 50 | 10 5 | 1 22 | 8 40 | 0 37 | 20 0 | 0 45 | 1 43 | 16 22 | 22 58 | 22 52 | 2 36 | 13 23 | 6 40 |
| F 6 | 16 27 | 18 20 | 3 12 | 13 10 | 4 57 | 3 6 | 4 11 | 26 19 | 3 37 | 19 48 | 0 49 | 10 2 | 1 22 | 8 41 | 0 37 | 20 0 | 0 45 | 1 44 | 16 21 | 22 58 | 22 51 | 2 33 | 13 21 | 6 40 |
| S 7 | 16 10 | 21 5 | 2 11 | 13 24 | 4 52 | 2 55 | 4 24 | 26 20 | 3 37 | 19 49 | 0 49 | 9 59 | 1 22 | 8 42 | 0 37 | 20 0 | 0 45 | 1 44 | 16 21 | 22 58 | 22 51 | 2 30 | 13 20 | 6 40 |
| S 8 | 15 53 | 22 38 | 1 4 | 13 38 | 4 45 | 2 44 | 4 38 | 26 20 | 3 37 | 19 49 | 0 49 | 9 57 | 1 22 | 8 42 | 0 37 | 20 0 | 0 45 | 1 45 | 16 20 | 22 58 | 22 51 | 2 28 | 13 18 | 6 41 |
| M 9 | 15 36 | 22 57 | 0s 4 | 13 53 | 4 36 | 2 35 | 4 51 | 26 21 | 3 36 | 19 50 | 0 49 | 9 54 | 1 22 | 8 43 | 0 37 | 20 1 | 0 45 | 1 46 | 16 19 | 22 58 | 22 50 | 2 25 | 13 17 | 6 41 |
| T 10 | 15 18 | 22 5 | 1 10 | 14 7 | 4 26 | 2 26 | 5 4 | 26 22 | 3 36 | 19 51 | 0 48 | 9 51 | 1 22 | 8 44 | 0 37 | 20 1 | 0 45 | 1 46 | 16 19 | 22 58 | 22 50 | 2 22 | 13 16 | 6 41 |
| W11 | 15 1 | 20 11 | 2 12 | 14 22 | 4 15 | 2 19 | 5 18 | 26 23 | 3 35 | 19 51 | 0 48 | 9 48 | 1 22 | 8 45 | 0 36 | 20 1 | 0 45 | 1 47 | 16 18 | 22 58 | 22 50 | 2 20 | 13 14 | 6 41 |
| T 12 | 14 43 | 17 22 | 3 7 | 14 36 | 4 2 | 2 12 | 5 31 | 26 24 | 3 35 | 19 52 | 0 48 | 9 46 | 1 22 | 8 46 | 0 36 | 20 2 | 0 45 | 1 48 | 16 18 | 22 57 | 22 50 | 2 17 | 13 13 | 6 41 |
| F 13 | 14 25 | 13 51 | 3 53 | 14 50 | 3 49 | 2 6 | 5 44 | 26 24 | 3 34 | 19 52 | 0 48 | 9 43 | 1 22 | 8 46 | 0 36 | 20 2 | 0 45 | 1 48 | 16 17 | 22 57 | 22 49 | 2 15 | 13 11 | 6 41 |
| S 14 | 14 6 | 9 49 | 4 28 | 15 4 | 3 35 | 2 2 | 5 57 | 26 25 | 3 33 | 19 53 | 0 47 | 9 40 | 1 22 | 8 47 | 0 36 | 20 2 | 0 45 | 1 49 | 16 17 | 22 56 | 22 49 | 2 12 | 13 10 | 6 42 |
| S 15 | 13 48 | 5 26 | 4 51 | 15 16 | 3 20 | 1 58 | 6 10 | 26 26 | 3 33 | 19 54 | 0 47 | 9 37 | 1 22 | 8 48 | 0 36 | 20 3 | 0 45 | 1 50 | 16 16 | 22 55 | 22 49 | 2 9 | 13 8 | 6 42 |
| M16 | 13 29 | 0 52 | 5 2 | 15 28 | 3 5 | 1 56 | 6 22 | 26 27 | 3 32 | 19 55 | 0 47 | 9 35 | 1 22 | 8 49 | 0 36 | 20 3 | 0 45 | 1 50 | 16 15 | 22 54 | 22 49 | 2 7 | 13 7 | 6 42 |
| T 17 | 13 10 | 3s42 | 4 59 | 15 38 | 2 49 | 1 54 | 6 34 | 26 27 | 3 32 | 19 56 | 0 47 | 9 32 | 1 22 | 8 50 | 0 36 | 20 3 | 0 45 | 1 51 | 16 15 | 22 53 | 22 48 | 2 4 | 13 5 | 6 42 |
| W18 | 12 51 | 8 10 | 4 44 | 15 47 | 2 33 | 1 54 | 6 46 | 26 28 | 3 31 | 19 56 | 0 47 | 9 29 | 1 22 | 8 51 | 0 36 | 20 3 | 0 45 | 1 52 | 16 14 | 22 52 | 22 48 | 2 2 | 13 4 | 6 42 |
| T 19 | 12 32 | 12 20 | 4 15 | 15 54 | 2 16 | 1 54 | 6 57 | 26 29 | 3 30 | 19 57 | 0 46 | 9 26 | 1 22 | 8 52 | 0 36 | 20 4 | 0 44 | 1 53 | 16 14 | 22 52 | 22 48 | 1 59 | 13 2 | 6 43 |
| F 20 | 12 12 | 16 4 | 3 36 | 16 0 | 2 0 | 1 56 | 7 7 | 26 29 | 3 30 | 19 58 | 0 46 | 9 24 | 1 22 | 8 53 | 0 36 | 20 4 | 0 44 | 1 53 | 16 13 | 22 51 | 22 47 | 1 56 | 13 1 | 6 43 |
| S 21 | 11 52 | 19 10 | 2 45 | 16 4 | 1 44 | 1 59 | 7 17 | 26 30 | 3 29 | 19 59 | 0 46 | 9 21 | 1 22 | 8 53 | 0 36 | 20 4 | 0 44 | 1 54 | 16 12 | 22 51 | 22 47 | 1 54 | 12 59 | 6 43 |
| S 22 | 11 32 | 21 26 | 1 46 | 16 6 | 1 27 | 2 3 | 7 26 | 26 31 | 3 28 | 20 0 | 0 46 | 9 18 | 1 22 | 8 54 | 0 36 | 20 4 | 0 44 | 1 55 | 16 12 | 22 51 | 22 47 | 1 51 | 12 58 | 6 43 |
| M23 | 11 12 | 22 41 | 0 40 | 16 6 | 1 11 | 2 7 | 7 35 | 26 31 | 3 27 | 20 1 | 0 45 | 9 15 | 1 22 | 8 55 | 0 36 | 20 5 | 0 44 | 1 56 | 16 11 | 22 51 | 22 47 | 1 48 | 12 56 | 6 44 |
| T 24 | 10 52 | 22 42 | 0n30 | 16 3 | 0 56 | 2 13 | 7 43 | 26 32 | 3 27 | 20 2 | 0 45 | 9 12 | 1 22 | 8 56 | 0 36 | 20 5 | 0 44 | 1 56 | 16 11 | 22 51 | 22 46 | 1 46 | 12 55 | 6 44 |
| W25 | 10 31 | 21 22 | 1 41 | 15 58 | 0 40 | 2 20 | 7 50 | 26 32 | 3 26 | 20 3 | 0 45 | 9 9 | 1 22 | 8 57 | 0 36 | 20 5 | 0 44 | 1 57 | 16 10 | 22 51 | 22 46 | 1 43 | 12 53 | 6 44 |
| T 26 | 10 11 | 18 39 | 2 48 | 15 51 | 0 25 | 2 27 | 7 56 | 26 33 | 3 25 | 20 4 | 0 45 | 9 7 | 1 22 | 8 58 | 0 36 | 20 5 | 0 44 | 1 58 | 16 10 | 22 51 | 22 46 | 1 41 | 12 52 | 6 44 |
| F 27 | 9 50 | 14 41 | 3 46 | 15 41 | 0 11 | 2 35 | 8 1 | 26 33 | 3 24 | 20 5 | 0 45 | 9 4 | 1 22 | 8 59 | 0 36 | 20 6 | 0 44 | 1 59 | 16 9 | 22 50 | 22 46 | 1 38 | 12 50 | 6 45 |
| S 28 | 9 29 | 9 43 | 4 30 | 15 28 | 0n 3 | 2 44 | 8 6 | 26 33 | 3 23 | 20 6 | 0 44 | 9 1 | 1 22 | 9 0 | 0 36 | 20 6 | 0 44 | 1 59 | 16 9 | 22 49 | 22 45 | 1 35 | 12 48 | 6 45 |
| S 29 | 9 8 | 4 4 | 4 56 | 15 13 | 0 15 | 2 54 | 8 9 | 26 34 | 3 22 | 20 7 | 0 44 | 8 58 | 1 22 | 9 1 | 0 36 | 20 6 | 0 44 | 2 0 | 16 8 | 22 49 | 22 45 | 1 33 | 12 47 | 6 45 |
| M30 | 8 47 | 1n50 | 5 0 | 14 54 | 0 28 | 3 4 | 8 12 | 26 34 | 3 22 | 20 9 | 0 44 | 8 55 | 1 22 | 9 2 | 0 36 | 20 6 | 0 44 | 2 1 | 16 7 | 22 48 | 22 45 | 1 30 | 12 45 | 6 46 |
| T 31 | 8n25 | 7n33 | 4n43 | 14n33 | 0n39 | 3n15 | 8s14 | 26s34 | 3s21 | 20s10 | 0n44 | 8n53 | 1n23 | 9s 4 | 0n36 | 20s 7 | 0n44 | 2s 2 | 16n 7 | 22s47 | 22s44 | 1n28 | 12n44 | 6s46 |

Julian Day Number = 2809329.5, Delta T = 52m41s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°27'10, Lahiri = 37°34'11


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# ASTRODIENST EPHEMERIS for the year 2979
# geocentric

## SEPTEMBER 2979 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 22 41 43 | 9♍14'05 | 23♈ 1 | 24♌14 | 0°R43 | 25♐35 | 4♐20 | 10♍36 | 25♎ 1 | 25°R59 | 19♏48 | 17°R57 | 17♐34 | 14♍15 | 3♌22 | W 1 |
| T 2 | 22 45 40 | 10°11'45 | 7♉27 | 26° 1 | 0♍ 9 | 26° 2 | 4°26 | 10°43 | 25° 4 | 25♑58 | 19°49 | 17♐52 | 17°31 | 14°22 | 3°28 | T 2 |
| F 3 | 22 49 37 | 11° 9'27 | 21°25 | 27°51 | 29♌37 | 26°28 | 4°32 | 10°51 | 25° 7 | 25°57 | 19°50 | 17°49 | 17°28 | 14°29 | 3°33 | F 3 |
| S 4 | 22 53 33 | 12° 7'10 | 4♊54 | 29°43 | 29° 7 | 26°55 | 4°38 | 10°59 | 25°10 | 25°56 | 19°51 | 17°48 | 17°25 | 14°35 | 3°39 | S 4 |
| S 5 | 22 57 30 | 13° 4'56 | 17°57 | 1♍37 | 28°38 | 27°22 | 4°44 | 11° 6 | 25°13 | 25°55 | 19°53 | 17°47 | 17°21 | 14°42 | 3°44 | S 5 |
| M 6 | 23 1 26 | 14° 2'42 | 0♋39 | 3°34 | 28°11 | 27°50 | 4°50 | 11°14 | 25°16 | 25°54 | 19°54 | 17°47 | 17°18 | 14°49 | 3°49 | M 6 |
| T 7 | 23 5 23 | 15° 0'31 | 13° 3 | 5°31 | 27°46 | 28°18 | 4°56 | 11°22 | 25°19 | 25°53 | 19°55 | 17°45 | 17°15 | 14°56 | 3°55 | T 7 |
| W 8 | 23 9 19 | 15°58'20 | 25°15 | 7°30 | 27°24 | 28°46 | 5° 3 | 11°29 | 25°22 | 25°52 | 19°56 | 17°41 | 17°12 | 15° 2 | 4° 0 | W 8 |
| T 9 | 23 13 16 | 16°56'12 | 7♌17 | 9°29 | 27° 3 | 29°15 | 5° 9 | 11°37 | 25°25 | 25°51 | 19°58 | 17°35 | 17° 9 | 15° 9 | 4° 5 | T 9 |
| F 10 | 23 17 12 | 17°54'05 | 19°14 | 11°28 | 26°45 | 29°45 | 5°16 | 11°45 | 25°28 | 25°51 | 19°59 | 17°25 | 17° 6 | 15°16 | 4°10 | F 10 |
| S 11 | 23 21 9 | 18°51'59 | 1♍ 7 | 13°28 | 26°29 | 0♑14 | 5°23 | 11°52 | 25°32 | 25°50 | 20° 1 | 17°13 | 17° 2 | 15°23 | 4°16 | S 11 |
| S 12 | 23 25 6 | 19°49'56 | 12°59 | 15°27 | 26°16 | 0°44 | 5°30 | 12° 0 | 25°35 | 25°49 | 20° 2 | 16°59 | 16°59 | 15°29 | 4°21 | S 12 |
| M13 | 23 29 2 | 20°47'53 | 24°51 | 17°26 | 26° 5 | 1°14 | 5°38 | 12° 8 | 25°38 | 25°48 | 20° 3 | 16°45 | 16°56 | 15°36 | 4°26 | M13 |
| T 14 | 23 32 59 | 21°45'52 | 6♎45 | 19°25 | 25°56 | 1°45 | 5°45 | 12°15 | 25°41 | 25°47 | 20° 5 | 16°31 | 16°53 | 15°43 | 4°31 | T 14 |
| W15 | 23 36 55 | 22°43'53 | 18°42 | 21°23 | 25°50 | 2°16 | 5°52 | 12°23 | 25°45 | 25°47 | 20° 6 | 16°19 | 16°50 | 15°49 | 4°36 | W15 |
| T 16 | 23 40 52 | 23°41'55 | 0♏43 | 23°20 | 25°46 | 2°47 | 6° 0 | 12°30 | 25°48 | 25°46 | 20° 8 | 16°10 | 16°47 | 15°56 | 4°41 | T 16 |
| F 17 | 23 44 48 | 24°39'58 | 12°52 | 25°16 | 25°D44 | 3°19 | 6° 8 | 12°38 | 25°51 | 25°45 | 20°10 | 16° 3 | 16°43 | 16° 3 | 4°45 | F 17 |
| S 18 | 23 48 45 | 25°38'03 | 25°11 | 27°11 | 25°45 | 3°51 | 6°16 | 12°45 | 25°55 | 25°45 | 20°11 | 16° 0 | 16°40 | 16°10 | 4°50 | S 18 |
| S 19 | 23 52 41 | 26°36'09 | 7♐43 | 29° 4 | 25°48 | 4°23 | 6°24 | 12°53 | 25°58 | 25°44 | 20°13 | 15°58 | 16°37 | 16°16 | 4°55 | S 19 |
| M20 | 23 56 38 | 27°34'17 | 20°33 | 0♎57 | 25°54 | 4°56 | 6°32 | 13° 0 | 26° 2 | 25°44 | 20°14 | 15°58 | 16°34 | 16°23 | 5° 0 | M20 |
| T 21 | 0 0 35 | 28°32'26 | 3♑45 | 2°49 | 26° 1 | 5°29 | 6°40 | 13° 8 | 26° 5 | 25°43 | 20°16 | 15°58 | 16°31 | 16°30 | 5° 4 | T 21 |
| W22 | 0 4 31 | 29°30'36 | 17°22 | 4°40 | 26°11 | 6° 2 | 6°48 | 13°15 | 26° 9 | 25°43 | 20°18 | 15°57 | 16°27 | 16°36 | 5° 9 | W22 |
| T 23 | 0 8 28 | 0♎28'48 | 1♒26 | 6°29 | 26°23 | 6°36 | 6°57 | 13°23 | 26°12 | 25°42 | 20°19 | 15°54 | 16°24 | 16°43 | 5°13 | T 23 |
| F 24 | 0 12 24 | 1°27'01 | 15°57 | 8°17 | 26°37 | 7° 9 | 7° 6 | 13°30 | 26°16 | 25°42 | 20°21 | 15°48 | 16°21 | 16°50 | 5°18 | F 24 |
| S 25 | 0 16 21 | 2°25'15 | 0♓52 | 10° 4 | 26°53 | 7°43 | 7°14 | 13°38 | 26°19 | 25°41 | 20°23 | 15°40 | 16°18 | 16°57 | 5°22 | S 25 |
| S 26 | 0 20 17 | 3°23'31 | 16° 3 | 11°50 | 27°11 | 8°18 | 7°23 | 13°45 | 26°23 | 25°41 | 20°25 | 15°31 | 16°15 | 17° 3 | 5°27 | S 26 |
| M27 | 0 24 14 | 4°21'49 | 1♈20 | 13°35 | 27°30 | 8°52 | 7°32 | 13°52 | 26°26 | 25°41 | 20°27 | 15°21 | 16°12 | 17°10 | 5°31 | M27 |
| T 28 | 0 28 10 | 5°20'08 | 16°33 | 15°18 | 27°52 | 9°27 | 7°41 | 14° 0 | 26°30 | 25°40 | 20°28 | 15°11 | 16° 8 | 17°17 | 5°35 | T 28 |
| W29 | 0 32 7 | 6°18'30 | 1♉30 | 17° 1 | 28°15 | 10° 2 | 7°50 | 14° 7 | 26°33 | 25°40 | 20°30 | 15° 3 | 16° 5 | 17°24 | 5°39 | W29 |
| T 30 | 0 36 3 | 7♎16'53 | 16♉ 3 | 18♎42 | 28♌40 | 10♑37 | 8♐ 0 | 14♍14 | 26♎37 | 25♑40 | 20♏32 | 14♐58 | 16♐ 2 | 17♍30 | 5♌43 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 8n 4 | 12n43 | 4n 7 | 14n 9 | 0n50 | 3n26 | 8s15 | 26s34 | 3s20 | 20s11 | 0n44 | 8n50 | 1n23 | 9s 5 | 0n36 | 20s 7 | 0n44 | 2s 3 | 16n 6 | 22s46 | 22s44 | 1n25 | 12n42 | 6s46 |
| T 2 | 7 42 | 17 1 | 3 16 | 13 43 | 0 59 | 3 37 | 8 15 | 26 34 | 3 19 | 20 12 | 0 43 | 8 47 | 1 23 | 9 6 | 0 36 | 20 7 | 0 44 | 2 3 | 16 6 | 22 46 | 22 44 | 1 22 | 12 41 | 6 47 |
| F 3 | 7 21 | 20 11 | 2 15 | 13 14 | 1 8 | 3 49 | 8 14 | 26 34 | 3 18 | 20 14 | 0 43 | 8 44 | 1 23 | 9 7 | 0 36 | 20 7 | 0 44 | 2 4 | 16 5 | 22 45 | 22 43 | 1 20 | 12 39 | 6 47 |
| S 4 | 6 59 | 22 7 | 1 8 | 12 42 | 1 16 | 4 0 | 8 13 | 26 34 | 3 17 | 20 15 | 0 43 | 8 41 | 1 23 | 9 8 | 0 36 | 20 8 | 0 44 | 2 5 | 16 5 | 22 45 | 22 43 | 1 17 | 12 38 | 6 47 |
| S 5 | 6 37 | 22 45 | 0s 1 | 12 8 | 1 23 | 4 12 | 8 10 | 26 33 | 3 16 | 20 16 | 0 43 | 8 38 | 1 23 | 9 9 | 0 36 | 20 8 | 0 44 | 2 6 | 16 4 | 22 45 | 22 43 | 1 15 | 12 36 | 6 48 |
| M 6 | 6 15 | 22 11 | 1 7 | 11 32 | 1 29 | 4 24 | 8 7 | 26 33 | 3 15 | 20 17 | 0 43 | 8 36 | 1 23 | 9 10 | 0 36 | 20 8 | 0 44 | 2 7 | 16 4 | 22 45 | 22 43 | 1 12 | 12 35 | 6 48 |
| T 7 | 5 53 | 20 32 | 2 9 | 10 54 | 1 34 | 4 36 | 8 3 | 26 32 | 3 14 | 20 19 | 0 42 | 8 33 | 1 23 | 9 11 | 0 36 | 20 8 | 0 44 | 2 7 | 16 3 | 22 45 | 22 42 | 1 9 | 12 33 | 6 48 |
| W 8 | 5 30 | 17 57 | 3 4 | 10 14 | 1 38 | 4 48 | 7 59 | 26 32 | 3 13 | 20 20 | 0 42 | 8 30 | 1 23 | 9 12 | 0 36 | 20 8 | 0 44 | 2 8 | 16 3 | 22 45 | 22 42 | 1 7 | 12 31 | 6 49 |
| T 9 | 5 8 | 14 39 | 3 50 | 9 32 | 1 41 | 4 59 | 7 54 | 26 31 | 3 12 | 20 22 | 0 42 | 8 27 | 1 23 | 9 14 | 0 36 | 20 9 | 0 44 | 2 9 | 16 2 | 22 44 | 22 42 | 1 4 | 12 30 | 6 49 |
| F 10 | 4 45 | 10 47 | 4 25 | 8 49 | 1 43 | 5 11 | 7 48 | 26 30 | 3 11 | 20 23 | 0 42 | 8 24 | 1 23 | 9 15 | 0 36 | 20 9 | 0 44 | 2 10 | 16 2 | 22 43 | 22 41 | 1 2 | 12 28 | 6 50 |
| S 11 | 4 23 | 6 32 | 4 48 | 8 5 | 1 45 | 5 22 | 7 42 | 26 29 | 3 10 | 20 24 | 0 42 | 8 21 | 1 23 | 9 16 | 0 36 | 20 9 | 0 44 | 2 11 | 16 1 | 22 42 | 22 41 | 0 59 | 12 27 | 6 50 |
| S 12 | 4 0 | 2 3 | 4 59 | 7 20 | 1 46 | 5 33 | 7 35 | 26 28 | 3 9 | 20 26 | 0 41 | 8 19 | 1 23 | 9 17 | 0 36 | 20 9 | 0 44 | 2 11 | 16 1 | 22 41 | 22 41 | 0 57 | 12 25 | 6 50 |
| M13 | 3 38 | 2s30 | 4 56 | 6 34 | 1 46 | 5 43 | 7 28 | 26 27 | 3 8 | 20 27 | 0 41 | 8 16 | 1 23 | 9 18 | 0 35 | 20 9 | 0 44 | 2 12 | 16 0 | 22 39 | 22 40 | 0 54 | 12 24 | 6 51 |
| T 14 | 3 15 | 6 58 | 4 41 | 5 47 | 1 45 | 5 53 | 7 20 | 26 25 | 3 7 | 20 29 | 0 41 | 8 13 | 1 24 | 9 20 | 0 35 | 20 9 | 0 44 | 2 13 | 16 0 | 22 38 | 22 40 | 0 51 | 12 22 | 6 51 |
| W15 | 2 52 | 11 12 | 4 14 | 5 0 | 1 44 | 6 3 | 7 13 | 26 24 | 3 6 | 20 30 | 0 41 | 8 10 | 1 24 | 9 21 | 0 35 | 20 10 | 0 44 | 2 14 | 15 59 | 22 37 | 22 40 | 0 49 | 12 21 | 6 52 |
| T 16 | 2 29 | 15 1 | 3 35 | 4 12 | 1 42 | 6 12 | 7 4 | 26 22 | 3 5 | 20 32 | 0 41 | 8 7 | 1 24 | 9 22 | 0 35 | 20 10 | 0 44 | 2 15 | 15 59 | 22 36 | 22 40 | 0 46 | 12 19 | 6 52 |
| F 17 | 2 6 | 18 15 | 2 45 | 3 24 | 1 39 | 6 20 | 6 56 | 26 20 | 3 4 | 20 33 | 0 40 | 8 5 | 1 24 | 9 23 | 0 35 | 20 10 | 0 44 | 2 16 | 15 58 | 22 35 | 22 39 | 0 44 | 12 17 | 6 52 |
| S 18 | 1 44 | 20 42 | 1 48 | 2 36 | 1 36 | 6 28 | 6 47 | 26 18 | 3 3 | 20 35 | 0 40 | 8 2 | 1 24 | 9 25 | 0 35 | 20 10 | 0 44 | 2 17 | 15 58 | 22 35 | 22 39 | 0 41 | 12 16 | 6 53 |
| S 19 | 1 21 | 22 12 | 0 44 | 1 47 | 1 33 | 6 36 | 6 38 | 26 16 | 3 2 | 20 36 | 0 40 | 7 59 | 1 24 | 9 26 | 0 35 | 20 10 | 0 44 | 2 17 | 15 57 | 22 35 | 22 39 | 0 38 | 12 14 | 6 53 |
| M20 | 0 58 | 22 34 | 0n24 | 0 59 | 1 29 | 6 43 | 6 29 | 26 14 | 3 1 | 20 38 | 0 40 | 7 56 | 1 24 | 9 27 | 0 35 | 20 10 | 0 44 | 2 18 | 15 57 | 22 35 | 22 38 | 0 36 | 12 13 | 6 54 |
| T 21 | 0 35 | 21 43 | 1 33 | 0 11 | 1 25 | 6 49 | 6 19 | 26 12 | 3 0 | 20 39 | 0 40 | 7 53 | 1 24 | 9 28 | 0 35 | 20 10 | 0 44 | 2 19 | 15 56 | 22 35 | 22 38 | 0 33 | 12 11 | 6 54 |
| W22 | 0 12 | 19 35 | 2 38 | 0s37 | 1 20 | 6 55 | 6 10 | 26 9 | 2 59 | 20 41 | 0 39 | 7 51 | 1 24 | 9 30 | 0 35 | 20 11 | 0 44 | 2 20 | 15 56 | 22 35 | 22 38 | 0 31 | 12 10 | 6 55 |
| T 23 | 0s11 | 16 13 | 3 36 | 1 25 | 1 15 | 7 0 | 6 0 | 26 6 | 2 58 | 20 43 | 0 39 | 7 48 | 1 24 | 9 31 | 0 35 | 20 11 | 0 44 | 2 21 | 15 55 | 22 34 | 22 37 | 0 28 | 12 8 | 6 55 |
| F 24 | 0 34 | 11 48 | 4 22 | 2 12 | 1 9 | 7 5 | 5 50 | 26 4 | 2 57 | 20 44 | 0 39 | 7 45 | 1 25 | 9 32 | 0 35 | 20 11 | 0 43 | 2 22 | 15 55 | 22 34 | 22 37 | 0 26 | 12 7 | 6 56 |
| S 25 | 0 57 | 6 33 | 4 52 | 2 59 | 1 4 | 7 9 | 5 41 | 26 1 | 2 56 | 20 46 | 0 39 | 7 43 | 1 25 | 9 33 | 0 35 | 20 11 | 0 43 | 2 22 | 15 55 | 22 33 | 22 37 | 0 23 | 12 5 | 6 56 |
| S 26 | 1 20 | 0 50 | 5 2 | 3 46 | 0 58 | 7 12 | 5 31 | 25 57 | 2 54 | 20 47 | 0 39 | 7 40 | 1 25 | 9 35 | 0 35 | 20 11 | 0 43 | 2 23 | 15 54 | 22 32 | 22 36 | 0 20 | 12 4 | 6 57 |
| M27 | 1 44 | 4n58 | 4 50 | 4 32 | 0 51 | 7 15 | 5 21 | 25 54 | 2 53 | 20 49 | 0 39 | 7 37 | 1 25 | 9 36 | 0 35 | 20 11 | 0 43 | 2 24 | 15 54 | 22 31 | 22 36 | 0 18 | 12 2 | 6 57 |
| T 28 | 2 7 | 10 27 | 4 18 | 5 18 | 0 45 | 7 17 | 5 11 | 25 50 | 2 52 | 20 51 | 0 38 | 7 34 | 1 25 | 9 37 | 0 35 | 20 11 | 0 43 | 2 25 | 15 53 | 22 30 | 22 36 | 0 15 | 12 1 | 6 58 |
| W29 | 2 30 | 15 12 | 3 29 | 6 3 | 0 39 | 7 18 | 5 1 | 25 47 | 2 51 | 20 52 | 0 38 | 7 32 | 1 25 | 9 39 | 0 35 | 20 11 | 0 43 | 2 26 | 15 53 | 22 29 | 22 35 | 0 13 | 11 59 | 6 58 |
| T 30 | 2s52 | 18n54 | 2n27 | 6s48 | 0n32 | 7n19 | 4s51 | 25s43 | 2s50 | 20s54 | 0n38 | 7n29 | 1n25 | 9s40 | 0n35 | 20s11 | 0n43 | 2s27 | 15n53 | 22s28 | 22s35 | 0n10 | 11n58 | 6s59 |

Julian Day Number = 2809360.5, Delta T = 52m41s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°27'14, Lahiri = 37°34'15


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# ASTRODIENST EPHEMERIS for the year 2979
# geocentric

## OCTOBER 2979 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 0 40 0 | 8♎15'18 | 0♊ 9 | 20♎23 | 29♌ 7 | 11♑13 | 8♐ 9 | 14♍21 | 26♎41 | 25°R39 | 20♏34 | 14°R55 | 15♐59 | 17♍37 | 5♌47 | F 1 |
| S 2 | 0 43 57 | 9°13'46 | 13°45 | 22° 2 | 29°36 | 11°48 | 8°18 | 14°29 | 26°44 | 25♑39 | 20°36 | 14°D54 | 15°56 | 17°44 | 5°51 | S 2 |
| S 3 | 0 47 53 | 10°12'15 | 26°53 | 23°40 | 0♍ 5 | 12°24 | 8°28 | 14°36 | 26°48 | 25°39 | 20°38 | 14♐54 | 15°53 | 17°50 | 5°55 | S 3 |
| M 4 | 0 51 50 | 11°10'47 | 9♋38 | 25°17 | 0°37 | 13° 1 | 8°38 | 14°43 | 26°52 | 25°39 | 20°40 | 14°R55 | 15°49 | 17°57 | 5°59 | M 4 |
| T 5 | 0 55 46 | 12° 9'21 | 22° 2 | 26°53 | 1°10 | 13°37 | 8°48 | 14°50 | 26°55 | 25°39 | 20°42 | 14°54 | 15°46 | 18° 4 | 6° 3 | T 5 |
| W 6 | 0 59 43 | 13° 7'57 | 4♌12 | 28°29 | 1°44 | 14°14 | 8°57 | 14°57 | 26°59 | 25°39 | 20°44 | 14°52 | 15°43 | 18°11 | 6° 6 | W 6 |
| T 7 | 1 3 39 | 14° 6'35 | 16°12 | 0♏ 3 | 2°20 | 14°51 | 9° 7 | 15° 4 | 27° 3 | 25°D39 | 20°46 | 14°47 | 15°40 | 18°17 | 6°10 | T 7 |
| F 8 | 1 7 36 | 15° 5'15 | 28° 5 | 1°36 | 2°57 | 15°28 | 9°18 | 15°11 | 27° 6 | 25°39 | 20°48 | 14°40 | 15°37 | 18°24 | 6°13 | F 8 |
| S 9 | 1 11 32 | 16° 3'57 | 9♍57 | 3° 8 | 3°35 | 16° 5 | 9°28 | 15°18 | 27°10 | 25°39 | 20°50 | 14°31 | 15°33 | 18°31 | 6°17 | S 9 |
| S 10 | 1 15 29 | 17° 2'41 | 21°49 | 4°40 | 4°14 | 16°43 | 9°38 | 15°25 | 27°14 | 25°39 | 20°52 | 14°20 | 15°30 | 18°37 | 6°20 | S 10 |
| M11 | 1 19 26 | 18° 1'27 | 3♎43 | 6°10 | 4°54 | 17°20 | 9°48 | 15°32 | 27°18 | 25°39 | 20°54 | 14° 9 | 15°27 | 18°44 | 6°24 | M11 |
| T 12 | 1 23 22 | 19° 0'16 | 15°42 | 7°39 | 5°36 | 17°58 | 9°59 | 15°39 | 27°21 | 25°39 | 20°56 | 13°59 | 15°24 | 18°51 | 6°27 | T 12 |
| W13 | 1 27 19 | 19°59'06 | 27°47 | 9° 8 | 6°18 | 18°36 | 10° 9 | 15°46 | 27°25 | 25°39 | 20°59 | 13°49 | 15°21 | 18°58 | 6°30 | W13 |
| T 14 | 1 31 15 | 20°57'58 | 9♏59 | 10°35 | 7° 2 | 19°15 | 10°20 | 15°52 | 27°29 | 25°40 | 21° 1 | 13°42 | 15°18 | 19° 4 | 6°33 | T 14 |
| F 15 | 1 35 12 | 21°56'52 | 22°19 | 12° 2 | 7°47 | 19°53 | 10°31 | 15°59 | 27°33 | 25°40 | 21° 3 | 13°37 | 15°14 | 19°11 | 6°36 | F 15 |
| S 16 | 1 39 8 | 22°55'48 | 4♐48 | 13°27 | 8°32 | 20°32 | 10°42 | 16° 6 | 27°37 | 25°40 | 21° 5 | 13°35 | 15°11 | 19°18 | 6°39 | S 16 |
| S 17 | 1 43 5 | 23°54'46 | 17°30 | 14°51 | 9°19 | 21°11 | 10°53 | 16°12 | 27°40 | 25°40 | 21° 7 | 13°D35 | 15° 8 | 19°25 | 6°42 | S 17 |
| M18 | 1 47 1 | 24°53'46 | 0♑27 | 16°15 | 10° 6 | 21°50 | 11° 4 | 16°19 | 27°44 | 25°41 | 21° 9 | 13°36 | 15° 5 | 19°31 | 6°45 | M18 |
| T 19 | 1 50 58 | 25°52'47 | 13°41 | 17°37 | 10°54 | 22°29 | 11°15 | 16°25 | 27°48 | 25°41 | 21°12 | 13°37 | 15° 2 | 19°38 | 6°47 | T 19 |
| W20 | 1 54 55 | 26°51'50 | 27°14 | 18°58 | 11°43 | 23° 8 | 11°26 | 16°32 | 27°52 | 25°42 | 21°14 | 13°R37 | 14°58 | 19°45 | 6°50 | W20 |
| T 21 | 1 58 51 | 27°50'54 | 11♒ 9 | 20°19 | 12°33 | 23°48 | 11°37 | 16°38 | 27°56 | 25°42 | 21°16 | 13°37 | 14°55 | 19°51 | 6°52 | T 21 |
| F 22 | 2 2 48 | 28°50'01 | 25°25 | 21°37 | 13°24 | 24°27 | 11°48 | 16°45 | 27°59 | 25°42 | 21°19 | 13°34 | 14°52 | 19°58 | 6°55 | F 22 |
| S 23 | 2 6 44 | 29°49'08 | 10♓ 1 | 22°55 | 14°15 | 25° 7 | 12° 0 | 16°51 | 28° 3 | 25°43 | 21°21 | 13°29 | 14°49 | 20° 5 | 6°57 | S 23 |
| S 24 | 2 10 41 | 0♏48'18 | 24°52 | 24°11 | 15° 7 | 25°47 | 12°11 | 16°57 | 28° 7 | 25°43 | 21°23 | 13°24 | 14°46 | 20°12 | 6°59 | S 24 |
| M25 | 2 14 37 | 1°47'29 | 9♈51 | 25°26 | 15°59 | 26°27 | 12°23 | 17° 3 | 28°11 | 25°44 | 21°25 | 13°17 | 14°43 | 20°18 | 7° 2 | M25 |
| T 26 | 2 18 34 | 2°46'43 | 24°49 | 26°39 | 16°53 | 27° 8 | 12°34 | 17°10 | 28°14 | 25°45 | 21°28 | 13°11 | 14°39 | 20°25 | 7° 4 | T 26 |
| W27 | 2 22 30 | 3°45'58 | 9♉36 | 27°51 | 17°47 | 27°48 | 12°46 | 17°16 | 28°18 | 25°45 | 21°30 | 13° 6 | 14°36 | 20°32 | 7° 6 | W27 |
| T 28 | 2 26 27 | 4°45'15 | 24° 6 | 29° 1 | 18°42 | 28°29 | 12°58 | 17°22 | 28°22 | 25°46 | 21°32 | 13° 3 | 14°33 | 20°38 | 7° 8 | T 28 |
| F 29 | 2 30 24 | 5°44'35 | 8♊12 | 0♐ 9 | 19°37 | 29° 9 | 13° 9 | 17°28 | 28°26 | 25°47 | 21°35 | 13°D 2 | 14°30 | 20°45 | 7° 9 | F 29 |
| S 30 | 2 34 20 | 6°43'57 | 21°52 | 1°15 | 20°33 | 29°50 | 13°21 | 17°34 | 28°30 | 25°47 | 21°37 | 13° 2 | 14°27 | 20°52 | 7°11 | S 30 |
| S 31 | 2 38 17 | 7♏43'21 | 5♋ 6 | 2♐19 | 21♍29 | 0♒31 | 13♐33 | 17♍39 | 28♎33 | 25♑48 | 21♏39 | 13♐ 3 | 14♐24 | 20♍59 | 7♌13 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 3s15 | 21n20 | 1n18 | 7s32 | 0n25 | 7n19 | 4s42 | 25s39 | 2s49 | 20s56 | 0n38 | 7n26 | 1n25 | 9s41 | 0n35 | 20s11 | 0n43 | 2s27 | 15n52 | 22s28 | 22s35 | 0n 8 | 11n56 | 6s59 |
| S 2 | 3 38 | 22 26 | 0 6 | 8 16 | 0 18 | 7 18 | 4 32 | 25 34 | 2 48 | 20 57 | 0 38 | 7 24 | 1 25 | 9 43 | 0 35 | 20 11 | 0 43 | 2 28 | 15 52 | 22 28 | 22 34 | 0 5 | 11 55 | 7 0 |
| S 3 | 4 1 | 22 13 | 1s 3 | 8 58 | 0 11 | 7 17 | 4 22 | 25 30 | 2 47 | 20 59 | 0 38 | 7 21 | 1 26 | 9 44 | 0 35 | 20 12 | 0 43 | 2 29 | 15 51 | 22 28 | 22 34 | 0 2 | 11 53 | 7 0 |
| M 4 | 4 24 | 20 50 | 2 8 | 9 41 | 0 3 | 7 15 | 4 12 | 25 25 | 2 45 | 21 1 | 0 37 | 7 18 | 1 26 | 9 45 | 0 35 | 20 12 | 0 43 | 2 30 | 15 51 | 22 28 | 22 34 | 0s 0 | 11 52 | 7 1 |
| T 5 | 4 47 | 18 29 | 3 4 | 10 22 | 0s 4 | 7 13 | 4 3 | 25 21 | 2 44 | 21 2 | 0 37 | 7 16 | 1 26 | 9 47 | 0 35 | 20 12 | 0 43 | 2 31 | 15 51 | 22 28 | 22 33 | 0 3 | 11 51 | 7 2 |
| W 6 | 5 10 | 15 21 | 3 51 | 11 3 | 0 11 | 7 10 | 3 53 | 25 16 | 2 43 | 21 4 | 0 37 | 7 13 | 1 26 | 9 48 | 0 35 | 20 12 | 0 43 | 2 32 | 15 50 | 22 27 | 22 33 | 0 5 | 11 49 | 7 2 |
| T 7 | 5 32 | 11 38 | 4 27 | 11 43 | 0 19 | 7 6 | 3 44 | 25 10 | 2 42 | 21 6 | 0 37 | 7 11 | 1 26 | 9 49 | 0 35 | 20 12 | 0 43 | 2 32 | 15 50 | 22 27 | 22 33 | 0 8 | 11 48 | 7 3 |
| F 8 | 5 55 | 7 30 | 4 52 | 12 22 | 0 26 | 7 2 | 3 34 | 25 5 | 2 41 | 21 7 | 0 37 | 7 8 | 1 26 | 9 51 | 0 35 | 20 12 | 0 43 | 2 33 | 15 50 | 22 26 | 22 32 | 0 10 | 11 46 | 7 3 |
| S 9 | 6 17 | 3 7 | 5 3 | 13 1 | 0 33 | 6 57 | 3 25 | 24 59 | 2 40 | 21 9 | 0 37 | 7 5 | 1 26 | 9 52 | 0 35 | 20 12 | 0 43 | 2 34 | 15 49 | 22 25 | 22 32 | 0 13 | 11 45 | 7 4 |
| S 10 | 6 40 | 1s23 | 5 2 | 13 39 | 0 41 | 6 52 | 3 16 | 24 54 | 2 38 | 21 11 | 0 36 | 7 3 | 1 27 | 9 53 | 0 35 | 20 12 | 0 43 | 2 35 | 15 49 | 22 24 | 22 32 | 0 15 | 11 44 | 7 4 |
| M11 | 7 2 | 5 52 | 4 47 | 14 16 | 0 48 | 6 46 | 3 7 | 24 48 | 2 37 | 21 12 | 0 36 | 7 0 | 1 27 | 9 55 | 0 35 | 20 12 | 0 43 | 2 36 | 15 49 | 22 23 | 22 31 | 0 18 | 11 42 | 7 5 |
| T 12 | 7 24 | 10 8 | 4 19 | 14 52 | 0 56 | 6 39 | 2 58 | 24 41 | 2 36 | 21 14 | 0 36 | 6 58 | 1 27 | 9 56 | 0 35 | 20 12 | 0 43 | 2 37 | 15 48 | 22 21 | 22 31 | 0 21 | 11 41 | 7 6 |
| W13 | 7 46 | 14 3 | 3 40 | 15 28 | 1 3 | 6 32 | 2 49 | 24 35 | 2 35 | 21 16 | 0 36 | 6 55 | 1 27 | 9 57 | 0 35 | 20 12 | 0 43 | 2 37 | 15 48 | 22 20 | 22 31 | 0 23 | 11 40 | 7 6 |
| T 14 | 8 8 | 17 25 | 2 50 | 16 2 | 1 10 | 6 24 | 2 40 | 24 28 | 2 34 | 21 17 | 0 36 | 6 53 | 1 27 | 9 59 | 0 35 | 20 12 | 0 43 | 2 38 | 15 48 | 22 19 | 22 30 | 0 26 | 11 38 | 7 7 |
| F 15 | 8 30 | 20 3 | 1 52 | 16 36 | 1 18 | 6 16 | 2 31 | 24 22 | 2 32 | 21 19 | 0 36 | 6 50 | 1 27 | 10 0 | 0 35 | 20 12 | 0 43 | 2 39 | 15 48 | 22 19 | 22 30 | 0 28 | 11 37 | 7 7 |
| S 16 | 8 52 | 21 45 | 0 47 | 17 9 | 1 25 | 6 7 | 2 23 | 24 15 | 2 31 | 21 21 | 0 36 | 6 48 | 1 27 | 10 1 | 0 35 | 20 12 | 0 43 | 2 40 | 15 47 | 22 19 | 22 30 | 0 31 | 11 36 | 7 8 |
| S 17 | 9 14 | 22 23 | 0n21 | 17 41 | 1 32 | 5 58 | 2 14 | 24 7 | 2 30 | 21 22 | 0 35 | 6 46 | 1 28 | 10 3 | 0 35 | 20 12 | 0 43 | 2 41 | 15 47 | 22 19 | 22 29 | 0 33 | 11 34 | 7 9 |
| M18 | 9 35 | 21 49 | 1 30 | 18 11 | 1 39 | 5 48 | 2 6 | 24 0 | 2 29 | 21 24 | 0 35 | 6 43 | 1 28 | 10 4 | 0 35 | 20 12 | 0 43 | 2 41 | 15 47 | 22 19 | 22 29 | 0 36 | 11 33 | 7 9 |
| T 19 | 9 57 | 20 2 | 2 35 | 18 41 | 1 46 | 5 37 | 1 58 | 23 52 | 2 28 | 21 26 | 0 35 | 6 41 | 1 28 | 10 5 | 0 35 | 20 12 | 0 43 | 2 42 | 15 46 | 22 19 | 22 29 | 0 38 | 11 32 | 7 10 |
| W20 | 10 18 | 17 7 | 3 34 | 19 11 | 1 53 | 5 27 | 1 49 | 23 45 | 2 26 | 21 27 | 0 35 | 6 38 | 1 28 | 10 7 | 0 35 | 20 12 | 0 43 | 2 43 | 15 46 | 22 19 | 22 28 | 0 41 | 11 31 | 7 11 |
| T 21 | 10 39 | 13 9 | 4 21 | 19 39 | 1 59 | 5 15 | 1 41 | 23 37 | 2 25 | 21 29 | 0 35 | 6 36 | 1 28 | 10 8 | 0 35 | 20 12 | 0 43 | 2 44 | 15 46 | 22 19 | 22 28 | 0 43 | 11 29 | 7 11 |
| F 22 | 11 0 | 8 22 | 4 54 | 20 6 | 2 6 | 5 3 | 1 34 | 23 28 | 2 24 | 21 31 | 0 35 | 6 34 | 1 28 | 10 10 | 0 35 | 20 12 | 0 43 | 2 44 | 15 46 | 22 18 | 22 28 | 0 46 | 11 28 | 7 12 |
| S 23 | 11 21 | 3 0 | 5 8 | 20 32 | 2 12 | 4 51 | 1 26 | 23 20 | 2 23 | 21 32 | 0 35 | 6 32 | 1 29 | 10 11 | 0 35 | 20 11 | 0 43 | 2 45 | 15 45 | 22 18 | 22 27 | 0 49 | 11 27 | 7 12 |
| S 24 | 11 42 | 2n37 | 5 3 | 20 57 | 2 18 | 4 38 | 1 18 | 23 11 | 2 21 | 21 34 | 0 34 | 6 29 | 1 29 | 10 12 | 0 35 | 20 11 | 0 42 | 2 46 | 15 45 | 22 17 | 22 27 | 0 51 | 11 26 | 7 13 |
| M25 | 12 2 | 8 7 | 4 37 | 21 21 | 2 24 | 4 25 | 1 11 | 23 3 | 2 20 | 21 35 | 0 34 | 6 27 | 1 29 | 10 14 | 0 35 | 20 11 | 0 42 | 2 47 | 15 45 | 22 16 | 22 26 | 0 54 | 11 25 | 7 14 |
| T 26 | 12 22 | 13 9 | 3 52 | 21 43 | 2 29 | 4 11 | 1 3 | 22 54 | 2 19 | 21 37 | 0 34 | 6 25 | 1 29 | 10 15 | 0 35 | 20 11 | 0 42 | 2 47 | 15 45 | 22 16 | 22 26 | 0 56 | 11 24 | 7 14 |
| W27 | 12 42 | 17 19 | 2 51 | 22 5 | 2 34 | 3 57 | 0 56 | 22 44 | 2 18 | 21 39 | 0 34 | 6 23 | 1 29 | 10 16 | 0 35 | 20 11 | 0 42 | 2 48 | 15 45 | 22 15 | 22 26 | 0 59 | 11 22 | 7 15 |
| T 28 | 13 2 | 20 20 | 1 41 | 22 26 | 2 39 | 3 42 | 0 49 | 22 35 | 2 16 | 21 40 | 0 34 | 6 20 | 1 29 | 10 18 | 0 35 | 20 11 | 0 42 | 2 49 | 15 44 | 22 15 | 22 25 | 1 1 | 11 21 | 7 16 |
| F 29 | 13 22 | 21 59 | 0 26 | 22 45 | 2 44 | 3 27 | 0 42 | 22 25 | 2 15 | 21 42 | 0 34 | 6 18 | 1 30 | 10 19 | 0 35 | 20 11 | 0 42 | 2 50 | 15 44 | 22 14 | 22 25 | 1 4 | 11 20 | 7 16 |
| S 30 | 13 41 | 22 16 | 0s48 | 23 3 | 2 48 | 3 11 | 0 35 | 22 16 | 2 14 | 21 43 | 0 34 | 6 16 | 1 30 | 10 20 | 0 35 | 20 11 | 0 42 | 2 50 | 15 44 | 22 14 | 22 25 | 1 6 | 11 19 | 7 17 |
| S 31 | 14s 1 | 21n15 | 1s57 | 23s20 | 2s52 | 2n55 | 0s28 | 22s 6 | 2s13 | 21s45 | 0n34 | 6n14 | 1n30 | 10s22 | 0n35 | 20s11 | 0n42 | 2s51 | 15n44 | 22s15 | 22s24 | 1s 9 | 11n18 | 7s18 |

Julian Day Number = 2809390.5, Delta T = 52m42s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°27'19, Lahiri = 37°34'19


created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

## NOVEMBER 2979 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 2 42 13 | 8♏42'47 | 17♋55 | 3♐20 | 22♍26 | 1♒12 | 13♐45 | 17♍45 | 28♎37 | 25♉49 | 21♏42 | 13♐ 5 | 14♐20 | 21♍ 5 | 7♌14 | M 1 |
| T 2 | 2 46 10 | 9°42'15 | 0♌24 | 4°19 | 23°24 | 1°53 | 13°57 | 17°51 | 28°41 | 25°50 | 21°44 | 13° 6 | 14°17 | 21°12 | 7°16 | T 2 |
| W 3 | 2 50 6 | 10°41'46 | 12°36 | 5°15 | 24°22 | 2°35 | 14° 9 | 17°57 | 28°45 | 25°51 | 21°47 | 13°R 6 | 14°14 | 21°19 | 7°17 | W 3 |
| T 4 | 2 54 3 | 11°41'19 | 24°37 | 6° 8 | 25°20 | 3°16 | 14°22 | 18° 2 | 28°48 | 25°52 | 21°49 | 13° 5 | 14°11 | 21°26 | 7°19 | T 4 |
| F 5 | 2 57 59 | 12°40'54 | 6♍31 | 6°57 | 26°19 | 3°58 | 14°34 | 18° 8 | 28°52 | 25°52 | 21°51 | 13° 3 | 14° 8 | 21°32 | 7°20 | F 5 |
| S 6 | 3 1 56 | 13°40'31 | 18°23 | 7°42 | 27°19 | 4°39 | 14°46 | 18°13 | 28°56 | 25°53 | 21°54 | 13° 0 | 14° 4 | 21°39 | 7°21 | S 6 |
| S 7 | 3 5 52 | 14°40'10 | 0♎16 | 8°23 | 28°18 | 5°21 | 14°58 | 18°18 | 28°59 | 25°54 | 21°56 | 12°55 | 14° 1 | 21°46 | 7°22 | S 7 |
| M 8 | 3 9 49 | 15°39'52 | 12°14 | 8°59 | 29°19 | 6° 3 | 15°11 | 18°24 | 29° 3 | 25°55 | 21°59 | 12°50 | 13°58 | 21°52 | 7°23 | M 8 |
| T 9 | 3 13 46 | 16°39'35 | 24°20 | 9°29 | 0♎20 | 6°45 | 15°23 | 18°29 | 29° 7 | 25°56 | 22° 1 | 12°45 | 13°55 | 21°59 | 7°24 | T 9 |
| W10 | 3 17 42 | 17°39'21 | 6♏34 | 9°54 | 1°21 | 7°27 | 15°36 | 18°34 | 29°11 | 25°58 | 22° 3 | 12°41 | 13°52 | 22° 6 | 7°24 | W10 |
| T 11 | 3 21 39 | 18°39'09 | 19° 0 | 10°13 | 2°22 | 8°10 | 15°48 | 18°39 | 29°14 | 25°59 | 22° 6 | 12°38 | 13°49 | 22°13 | 7°25 | T 11 |
| F 12 | 3 25 35 | 19°38'58 | 1♐37 | 10°24 | 3°24 | 8°52 | 16° 1 | 18°44 | 29°18 | 26° 0 | 22° 8 | 12°37 | 13°45 | 22°19 | 7°26 | F 12 |
| S 13 | 3 29 32 | 20°38'50 | 14°25 | 10°R28 | 4°27 | 9°34 | 16°14 | 18°49 | 29°21 | 26° 1 | 22°11 | 12°D36 | 13°42 | 22°26 | 7°26 | S 13 |
| S 14 | 3 33 28 | 21°38'43 | 27°27 | 10°24 | 5°29 | 10°17 | 16°26 | 18°54 | 29°25 | 26° 2 | 22°13 | 12°37 | 13°39 | 22°33 | 7°27 | S 14 |
| M15 | 3 37 25 | 22°38'38 | 10♑41 | 10°11 | 6°32 | 11° 0 | 16°39 | 18°59 | 29°29 | 26° 3 | 22°16 | 12°38 | 13°36 | 22°39 | 7°27 | M15 |
| T 16 | 3 41 22 | 23°38'35 | 24° 8 | 9°49 | 7°36 | 11°42 | 16°52 | 19° 3 | 29°32 | 26° 5 | 22°18 | 12°40 | 13°33 | 22°46 | 7°27 | T 16 |
| W17 | 3 45 18 | 24°38'33 | 7♒49 | 9°17 | 8°39 | 12°25 | 17° 5 | 19° 8 | 29°36 | 26° 6 | 22°20 | 12°41 | 13°30 | 22°53 | 7°27 | W17 |
| T 18 | 3 49 15 | 25°38'33 | 21°43 | 8°36 | 9°43 | 13° 8 | 17°17 | 19°12 | 29°39 | 26° 7 | 22°23 | 12°R41 | 13°26 | 23° 0 | 7°R27 | T 18 |
| F 19 | 3 53 11 | 26°38'35 | 5♓50 | 7°45 | 10°47 | 13°51 | 17°30 | 19°17 | 29°43 | 26° 9 | 22°25 | 12°41 | 13°23 | 23° 6 | 7°27 | F 19 |
| S 20 | 3 57 8 | 27°38'37 | 20° 9 | 6°46 | 11°52 | 14°34 | 17°43 | 19°21 | 29°46 | 26°10 | 22°28 | 12°40 | 13°20 | 23°13 | 7°27 | S 20 |
| S 21 | 4 1 4 | 28°38'42 | 4♈36 | 5°39 | 12°57 | 15°18 | 17°56 | 19°25 | 29°50 | 26°11 | 22°30 | 12°39 | 13°17 | 23°20 | 7°27 | S 21 |
| M22 | 4 5 1 | 29°38'47 | 19° 8 | 4°26 | 14° 2 | 16° 1 | 18° 9 | 19°29 | 29°53 | 26°13 | 22°33 | 12°37 | 13°14 | 23°27 | 7°26 | M22 |
| T 23 | 4 8 57 | 0♐38'55 | 3♉38 | 3° 9 | 15° 8 | 16°44 | 18°22 | 19°33 | 29°56 | 26°14 | 22°35 | 12°36 | 13°10 | 23°33 | 7°26 | T 23 |
| W24 | 4 12 54 | 1°39'04 | 18° 2 | 1°50 | 16°13 | 17°28 | 18°35 | 19°37 | 29°59 | 26°16 | 22°37 | 12°34 | 13° 7 | 23°40 | 7°25 | W24 |
| T 25 | 4 16 51 | 2°39'15 | 2♊13 | 0°31 | 17°19 | 18°11 | 18°48 | 19°41 | 0♏ 3 | 26°17 | 22°40 | 12°34 | 13° 4 | 23°47 | 7°25 | T 25 |
| F 26 | 4 20 47 | 3°39'27 | 16° 7 | 29♏15 | 18°25 | 18°55 | 19° 2 | 19°45 | 0° 7 | 26°19 | 22°42 | 12°D34 | 13° 1 | 23°53 | 7°24 | F 26 |
| S 27 | 4 24 44 | 4°39'41 | 29°41 | 28° 4 | 19°32 | 19°38 | 19°15 | 19°49 | 0°10 | 26°20 | 22°45 | 12°34 | 12°58 | 24° 0 | 7°23 | S 27 |
| S 28 | 4 28 40 | 5°39'57 | 12♋54 | 27° 2 | 20°39 | 20°22 | 19°28 | 19°52 | 0°13 | 26°22 | 22°47 | 12°35 | 12°55 | 24° 7 | 7°22 | S 28 |
| M29 | 4 32 37 | 6°40'15 | 25°45 | 26° 8 | 21°46 | 21° 6 | 19°41 | 19°56 | 0°16 | 26°24 | 22°49 | 12°35 | 12°51 | 24°14 | 7°21 | M29 |
| T 30 | 4 36 33 | 7♐40'35 | 8♌17 | 25♏26 | 22♎53 | 21♒49 | 19♐54 | 19♍59 | 0♏20 | 26♉25 | 22♏52 | 12♐36 | 12♐48 | 24♍20 | 7♌20 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14s20 | 19n10 | 2s59 | 23s35 | 2s56 | 2n39 | 0s22 | 21s55 | 2s11 | 21s47 | 0n33 | 6n12 | 1n30 | 10s23 | 0n35 | 20s11 | 0n42 | 2s52 | 15n44 | 22s15 | 22s24 | 1s11 | 11n17 | 7s18 |
| T 2 | 14 39 | 16 13 | 3 50 | 23 49 | 2 59 | 2 22 | 0 15 | 21 45 | 2 10 | 21 48 | 0 33 | 6 10 | 1 30 | 10 24 | 0 35 | 20 11 | 0 42 | 2 52 | 15 44 | 22 15 | 22 24 | 1 14 | 11 16 | 7 19 |
| W 3 | 14 57 | 12 37 | 4 30 | 24 2 | 3 1 | 2 5 | 0 9 | 21 34 | 2 9 | 21 50 | 0 33 | 6 8 | 1 30 | 10 26 | 0 35 | 20 10 | 0 42 | 2 53 | 15 44 | 22 15 | 22 23 | 1 16 | 11 15 | 7 20 |
| T 4 | 15 16 | 8 35 | 4 57 | 24 13 | 3 3 | 1 48 | 0 3 | 21 23 | 2 8 | 21 51 | 0 33 | 6 6 | 1 31 | 10 27 | 0 35 | 20 10 | 0 42 | 2 54 | 15 43 | 22 15 | 22 23 | 1 19 | 11 14 | 7 20 |
| F 5 | 15 34 | 4 15 | 5 11 | 24 23 | 3 5 | 1 30 | 0n 3 | 21 12 | 2 6 | 21 53 | 0 33 | 6 4 | 1 31 | 10 28 | 0 35 | 20 10 | 0 42 | 2 55 | 15 43 | 22 15 | 22 22 | 1 21 | 11 13 | 7 21 |
| S 6 | 15 52 | 0s13 | 5 11 | 24 31 | 3 5 | 1 12 | 0 9 | 21 1 | 2 5 | 21 54 | 0 33 | 6 2 | 1 31 | 10 30 | 0 35 | 20 10 | 0 42 | 2 55 | 15 43 | 22 14 | 22 22 | 1 24 | 11 12 | 7 22 |
| S 7 | 16 9 | 4 40 | 4 58 | 24 38 | 3 5 | 0 54 | 0 15 | 20 50 | 2 4 | 21 56 | 0 33 | 6 0 | 1 31 | 10 31 | 0 35 | 20 10 | 0 42 | 2 56 | 15 43 | 22 14 | 22 22 | 1 26 | 11 11 | 7 22 |
| M 8 | 16 27 | 9 0 | 4 33 | 24 42 | 3 4 | 0 35 | 0 20 | 20 38 | 2 3 | 21 57 | 0 33 | 5 58 | 1 31 | 10 32 | 0 35 | 20 10 | 0 42 | 2 57 | 15 43 | 22 13 | 22 21 | 1 29 | 11 10 | 7 23 |
| T 9 | 16 44 | 13 1 | 3 55 | 24 45 | 3 2 | 0 16 | 0 26 | 20 27 | 2 1 | 21 59 | 0 32 | 5 56 | 1 32 | 10 33 | 0 35 | 20 10 | 0 42 | 2 57 | 15 43 | 22 12 | 22 21 | 1 31 | 11 10 | 7 24 |
| W10 | 17 0 | 16 33 | 3 5 | 24 46 | 2 59 | 0s 3 | 0 31 | 20 15 | 2 0 | 22 0 | 0 32 | 5 55 | 1 32 | 10 35 | 0 35 | 20 9 | 0 42 | 2 58 | 15 43 | 22 12 | 22 21 | 1 34 | 11 9 | 7 24 |
| T 11 | 17 17 | 19 24 | 2 6 | 24 45 | 2 55 | 0 23 | 0 37 | 20 2 | 1 59 | 22 2 | 0 32 | 5 53 | 1 32 | 10 36 | 0 35 | 20 9 | 0 42 | 2 58 | 15 43 | 22 11 | 22 20 | 1 36 | 11 8 | 7 25 |
| F 12 | 17 33 | 21 21 | 1 0 | 24 42 | 2 50 | 0 42 | 0 42 | 19 50 | 1 57 | 22 3 | 0 32 | 5 51 | 1 32 | 10 37 | 0 35 | 20 9 | 0 42 | 2 59 | 15 43 | 22 11 | 22 20 | 1 39 | 11 7 | 7 26 |
| S 13 | 17 49 | 22 15 | 0n10 | 24 36 | 2 43 | 1 2 | 0 47 | 19 38 | 1 56 | 22 4 | 0 32 | 5 49 | 1 32 | 10 39 | 0 35 | 20 9 | 0 42 | 3 0 | 15 43 | 22 11 | 22 19 | 1 41 | 11 6 | 7 26 |
| S 14 | 18 5 | 21 56 | 1 21 | 24 27 | 2 36 | 1 23 | 0 52 | 19 25 | 1 55 | 22 6 | 0 32 | 5 48 | 1 33 | 10 40 | 0 35 | 20 9 | 0 42 | 3 0 | 15 43 | 22 11 | 22 19 | 1 44 | 11 6 | 7 27 |
| M15 | 18 20 | 20 25 | 2 29 | 24 16 | 2 26 | 1 43 | 0 56 | 19 12 | 1 54 | 22 7 | 0 32 | 5 46 | 1 33 | 10 41 | 0 35 | 20 8 | 0 42 | 3 1 | 15 43 | 22 11 | 22 19 | 1 46 | 11 5 | 7 28 |
| T 16 | 18 35 | 17 44 | 3 29 | 24 2 | 2 15 | 2 4 | 1 1 | 18 59 | 1 52 | 22 9 | 0 32 | 5 44 | 1 33 | 10 42 | 0 35 | 20 8 | 0 42 | 3 1 | 15 43 | 22 12 | 22 18 | 1 49 | 11 4 | 7 29 |
| W17 | 18 50 | 14 2 | 4 19 | 23 44 | 2 2 | 2 25 | 1 5 | 18 46 | 1 51 | 22 10 | 0 32 | 5 43 | 1 33 | 10 43 | 0 35 | 20 8 | 0 42 | 3 2 | 15 43 | 22 12 | 22 18 | 1 51 | 11 4 | 7 29 |
| T 18 | 19 4 | 9 32 | 4 55 | 23 24 | 1 48 | 2 46 | 1 10 | 18 32 | 1 50 | 22 11 | 0 31 | 5 41 | 1 34 | 10 45 | 0 35 | 20 8 | 0 42 | 3 3 | 15 43 | 22 12 | 22 17 | 1 54 | 11 3 | 7 30 |
| F 19 | 19 18 | 4 27 | 5 14 | 23 0 | 1 32 | 3 7 | 1 14 | 18 19 | 1 49 | 22 12 | 0 31 | 5 40 | 1 34 | 10 46 | 0 35 | 20 8 | 0 42 | 3 3 | 15 43 | 22 12 | 22 17 | 1 56 | 11 2 | 7 31 |
| S 20 | 19 32 | 0n56 | 5 13 | 22 33 | 1 15 | 3 28 | 1 18 | 18 5 | 1 47 | 22 14 | 0 31 | 5 38 | 1 34 | 10 47 | 0 35 | 20 7 | 0 42 | 3 4 | 15 43 | 22 12 | 22 17 | 1 59 | 11 2 | 7 31 |
| S 21 | 19 45 | 6 18 | 4 53 | 22 3 | 0 56 | 3 50 | 1 22 | 17 51 | 1 46 | 22 15 | 0 31 | 5 37 | 1 34 | 10 48 | 0 35 | 20 7 | 0 42 | 3 4 | 15 43 | 22 12 | 22 16 | 2 1 | 11 1 | 7 32 |
| M22 | 19 58 | 11 22 | 4 14 | 21 31 | 0 36 | 4 12 | 1 25 | 17 37 | 1 45 | 22 16 | 0 31 | 5 35 | 1 34 | 10 50 | 0 35 | 20 7 | 0 42 | 3 5 | 15 43 | 22 11 | 22 16 | 2 4 | 11 1 | 7 33 |
| T 23 | 20 11 | 15 47 | 3 19 | 20 56 | 0 16 | 4 33 | 1 29 | 17 23 | 1 43 | 22 18 | 0 31 | 5 34 | 1 35 | 10 51 | 0 35 | 20 7 | 0 42 | 3 5 | 15 43 | 22 11 | 22 16 | 2 6 | 11 0 | 7 33 |
| W24 | 20 23 | 19 13 | 2 12 | 20 21 | 0n 5 | 4 55 | 1 32 | 17 8 | 1 42 | 22 19 | 0 31 | 5 33 | 1 35 | 10 52 | 0 35 | 20 6 | 0 42 | 3 6 | 15 43 | 22 11 | 22 15 | 2 9 | 10 59 | 7 34 |
| T 25 | 20 35 | 21 26 | 0 57 | 19 45 | 0 25 | 5 17 | 1 36 | 16 54 | 1 41 | 22 20 | 0 31 | 5 31 | 1 35 | 10 53 | 0 35 | 20 6 | 0 41 | 3 6 | 15 43 | 22 11 | 22 15 | 2 11 | 10 59 | 7 34 |
| F 26 | 20 46 | 22 16 | 0s20 | 19 9 | 0 45 | 5 39 | 1 39 | 16 39 | 1 40 | 22 21 | 0 31 | 5 30 | 1 35 | 10 54 | 0 35 | 20 6 | 0 41 | 3 7 | 15 43 | 22 11 | 22 14 | 2 14 | 10 59 | 7 35 |
| S 27 | 20 57 | 21 45 | 1 34 | 18 36 | 1 3 | 6 2 | 1 42 | 16 24 | 1 38 | 22 22 | 0 31 | 5 29 | 1 36 | 10 55 | 0 35 | 20 6 | 0 41 | 3 7 | 15 43 | 22 11 | 22 14 | 2 16 | 10 58 | 7 36 |
| S 28 | 21 8 | 20 2 | 2 40 | 18 5 | 1 20 | 6 24 | 1 45 | 16 9 | 1 37 | 22 23 | 0 30 | 5 28 | 1 36 | 10 56 | 0 35 | 20 5 | 0 41 | 3 8 | 15 43 | 22 11 | 22 14 | 2 19 | 10 58 | 7 36 |
| M29 | 21 18 | 17 19 | 3 37 | 17 38 | 1 36 | 6 46 | 1 48 | 15 54 | 1 36 | 22 25 | 0 30 | 5 26 | 1 36 | 10 58 | 0 35 | 20 5 | 0 41 | 3 8 | 15 43 | 22 11 | 22 13 | 2 21 | 10 57 | 7 37 |
| T 30 | 21s28 | 13n52 | 4s22 | 17s15 | 1n49 | 7s 8 | 1n51 | 15s39 | 1s34 | 22s26 | 0n30 | 5n25 | 1n36 | 10s59 | 0n35 | 20s 5 | 0n41 | 3s 9 | 15n43 | 22s11 | 22s13 | 2s24 | 10n57 | 7s38 |

Julian Day Number = 2809421.5, Delta T = 52m42s
Ecliptic obliquity = 23°18'42, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°27'23, Lahiri = 37°34'23


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# ASTRODIENST EPHEMERIS for the year 2979
# geocentric

## DECEMBER 2979 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 4 40 30 | 8♐40'57 | 20♌32 | 24°R54 | 24♎ 0 | 22♒33 | 20♐ 8 | 20♍ 3 | 0♏23 | 26♑27 | 22♏54 | 12♐36 | 12♐45 | 24♍27 | 7°R19 | W 1 |
| T 2 | 4 44 26 | 9°41'20 | 2♍36 | 24♏35 | 25° 8 | 23°17 | 20°21 | 20° 6 | 0°26 | 26°28 | 22°56 | 12°36 | 12°42 | 24°34 | 7♌18 | T 2 |
| F 3 | 4 48 23 | 10°41'45 | 14°31 | 24°D27 | 26°16 | 24° 1 | 20°34 | 20° 9 | 0°29 | 26°30 | 22°59 | 12°R37 | 12°39 | 24°40 | 7°16 | F 3 |
| S 4 | 4 52 20 | 11°42'12 | 26°23 | 24°30 | 27°24 | 24°45 | 20°47 | 20°12 | 0°32 | 26°32 | 23° 1 | 12°36 | 12°36 | 24°47 | 7°15 | S 4 |
| S 5 | 4 56 16 | 12°42'41 | 8♎17 | 24°44 | 28°32 | 25°29 | 21° 1 | 20°15 | 0°35 | 26°34 | 23° 3 | 12°D36 | 12°32 | 24°54 | 7°13 | S 5 |
| M 6 | 5 0 13 | 13°43'12 | 20°17 | 25° 7 | 29°41 | 26°13 | 21°14 | 20°18 | 0°38 | 26°35 | 23° 6 | 12°37 | 12°29 | 25° 1 | 7°12 | M 6 |
| T 7 | 5 4 9 | 14°43'44 | 2♏26 | 25°40 | 0♏49 | 26°58 | 21°27 | 20°21 | 0°41 | 26°37 | 23° 8 | 12°37 | 12°26 | 25° 7 | 7°10 | T 7 |
| W 8 | 5 8 6 | 15°44'18 | 14°49 | 26°20 | 1°58 | 27°42 | 21°41 | 20°23 | 0°44 | 26°39 | 23°10 | 12°37 | 12°23 | 25°14 | 7° 8 | W 8 |
| T 9 | 5 12 2 | 16°44'54 | 27°27 | 27° 8 | 3° 7 | 28°26 | 21°54 | 20°26 | 0°47 | 26°41 | 23°13 | 12°37 | 12°20 | 25°21 | 7° 6 | T 9 |
| F 10 | 5 15 59 | 17°45'31 | 10♐21 | 28° 1 | 4°16 | 29°11 | 22° 8 | 20°28 | 0°50 | 26°43 | 23°15 | 12°R37 | 12°16 | 25°28 | 7° 4 | F 10 |
| S 11 | 5 19 55 | 18°46'09 | 23°32 | 29° 0 | 5°26 | 29°55 | 22°21 | 20°30 | 0°53 | 26°45 | 23°17 | 12°37 | 12°13 | 25°34 | 7° 2 | S 11 |
| S 12 | 5 23 52 | 19°46'49 | 6♑58 | 0♐ 4 | 6°35 | 0♓39 | 22°34 | 20°33 | 0°56 | 26°46 | 23°19 | 12°37 | 12°10 | 25°41 | 7° 0 | S 12 |
| M13 | 5 27 49 | 20°47'30 | 20°39 | 1°12 | 7°45 | 1°24 | 22°48 | 20°35 | 0°59 | 26°48 | 23°22 | 12°36 | 12° 7 | 25°48 | 6°58 | M13 |
| T 14 | 5 31 45 | 21°48'13 | 4♒32 | 2°24 | 8°54 | 2° 8 | 23° 1 | 20°37 | 1° 1 | 26°50 | 23°24 | 12°35 | 12° 4 | 25°54 | 6°55 | T 14 |
| W15 | 5 35 42 | 22°48'56 | 18°33 | 3°38 | 10° 4 | 2°53 | 23°15 | 20°39 | 1° 4 | 26°52 | 23°26 | 12°34 | 12° 1 | 26° 1 | 6°53 | W15 |
| T 16 | 5 39 38 | 23°49'40 | 2♓40 | 4°56 | 11°14 | 3°38 | 23°28 | 20°40 | 1° 7 | 26°54 | 23°28 | 12°33 | 11°57 | 26° 8 | 6°50 | T 16 |
| F 17 | 5 43 35 | 24°50'25 | 16°51 | 6°15 | 12°25 | 4°22 | 23°41 | 20°42 | 1° 9 | 26°56 | 23°30 | 12°32 | 11°54 | 26°15 | 6°48 | F 17 |
| S 18 | 5 47 31 | 25°51'11 | 1♈ 2 | 7°36 | 13°35 | 5° 7 | 23°55 | 20°44 | 1°12 | 26°58 | 23°32 | 12°D32 | 11°51 | 26°21 | 6°45 | S 18 |
| S 19 | 5 51 28 | 26°51'58 | 15°13 | 8°59 | 14°45 | 5°52 | 24° 8 | 20°45 | 1°15 | 27° 0 | 23°35 | 12°33 | 11°48 | 26°28 | 6°43 | S 19 |
| M20 | 5 55 24 | 27°52'46 | 29°20 | 10°24 | 15°56 | 6°36 | 24°22 | 20°46 | 1°17 | 27° 2 | 23°37 | 12°34 | 11°45 | 26°35 | 6°40 | M20 |
| T 21 | 5 59 21 | 28°53'34 | 13♉21 | 11°49 | 17° 7 | 7°21 | 24°35 | 20°48 | 1°20 | 27° 4 | 23°39 | 12°35 | 11°42 | 26°41 | 6°37 | T 21 |
| W22 | 6 3 18 | 29°54'24 | 27°15 | 13°16 | 18°18 | 8° 6 | 24°49 | 20°49 | 1°22 | 27° 6 | 23°41 | 12°36 | 11°38 | 26°48 | 6°34 | W22 |
| T 23 | 6 7 14 | 0♑55'14 | 10♊58 | 14°44 | 19°29 | 8°51 | 25° 2 | 20°50 | 1°24 | 27° 8 | 23°43 | 12°R36 | 11°35 | 26°55 | 6°31 | T 23 |
| F 24 | 6 11 11 | 1°56'06 | 24°30 | 16°12 | 20°40 | 9°36 | 25°15 | 20°51 | 1°27 | 27°10 | 23°45 | 12°36 | 11°32 | 27° 2 | 6°28 | F 24 |
| S 25 | 6 15 7 | 2°56'58 | 7♋47 | 17°41 | 21°51 | 10°20 | 25°29 | 20°52 | 1°29 | 27°13 | 23°47 | 12°35 | 11°29 | 27° 8 | 6°25 | S 25 |
| S 26 | 6 19 4 | 3°57'51 | 20°48 | 19°10 | 23° 2 | 11° 5 | 25°42 | 20°52 | 1°31 | 27°15 | 23°49 | 12°32 | 11°26 | 27°15 | 6°22 | S 26 |
| M27 | 6 23 0 | 4°58'45 | 3♌34 | 20°40 | 24°13 | 11°50 | 25°56 | 20°53 | 1°33 | 27°17 | 23°51 | 12°29 | 11°22 | 27°22 | 6°19 | M27 |
| T 28 | 6 26 57 | 5°59'40 | 16° 4 | 22°10 | 25°25 | 12°35 | 26° 9 | 20°53 | 1°36 | 27°19 | 23°53 | 12°25 | 11°19 | 27°28 | 6°15 | T 28 |
| W29 | 6 30 54 | 7° 0'36 | 28°19 | 23°41 | 26°37 | 13°20 | 26°22 | 20°54 | 1°38 | 27°21 | 23°55 | 12°21 | 11°16 | 27°35 | 6°12 | W29 |
| T 30 | 6 34 50 | 8° 1'33 | 10♍23 | 25°11 | 27°48 | 14° 5 | 26°36 | 20°54 | 1°40 | 27°23 | 23°57 | 12°17 | 11°13 | 27°42 | 6° 8 | T 30 |
| F 31 | 6 38 47 | 9♑ 2'31 | 22♍19 | 26♐43 | 29♏ 0 | 14♓50 | 26♐49 | 20♍54 | 1♏42 | 27♑25 | 23♏59 | 12♐15 | 11♐10 | 27♍49 | 6♌ 5 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 21s38 | 9n55 | 4s54 | 16s57 | 2n 0 | 7s30 | 1n53 | 15s23 | 1s33 | 22s27 | 0n30 | 5n24 | 1n37 | 11s 0 | 0n35 | 20s 5 | 0n41 | 3s 9 | 15n43 | 22s11 | 22s12 | 2s26 | 10n57 | 7s38 | W 1 |
| T 2 | 21 47 | 5 38 | 5 12 | 16 43 | 2 10 | 7 53 | 1 56 | 15 8 | 1 32 | 22 28 | 0 30 | 5 23 | 1 37 | 11 1 | 0 35 | 20 4 | 0 41 | 3 10 | 15 43 | 22 11 | 22 12 | 2 29 | 10 56 | 7 39 | T 2 |
| F 3 | 21 56 | 1 11 | 5 17 | 16 34 | 2 17 | 8 15 | 1 58 | 14 52 | 1 31 | 22 29 | 0 30 | 5 22 | 1 37 | 11 2 | 0 35 | 20 4 | 0 41 | 3 10 | 15 43 | 22 11 | 22 12 | 2 31 | 10 56 | 7 40 | F 3 |
| S 4 | 22 4 | 3s17 | 5 8 | 16 29 | 2 23 | 8 37 | 2 0 | 14 36 | 1 29 | 22 30 | 0 30 | 5 21 | 1 37 | 11 3 | 0 35 | 20 4 | 0 41 | 3 10 | 15 44 | 22 11 | 22 11 | 2 34 | 10 56 | 7 40 | S 4 |
| S 5 | 22 12 | 7 39 | 4 46 | 16 29 | 2 26 | 8 59 | 2 2 | 14 20 | 1 28 | 22 31 | 0 30 | 5 20 | 1 37 | 11 4 | 0 35 | 20 3 | 0 41 | 3 11 | 15 44 | 22 11 | 22 11 | 2 36 | 10 56 | 7 41 | S 5 |
| M 6 | 22 20 | 11 46 | 4 11 | 16 33 | 2 28 | 9 22 | 2 4 | 14 4 | 1 27 | 22 32 | 0 30 | 5 19 | 1 38 | 11 5 | 0 35 | 20 3 | 0 41 | 3 11 | 15 44 | 22 11 | 22 10 | 2 39 | 10 55 | 7 41 | M 6 |
| T 7 | 22 27 | 15 28 | 3 25 | 16 40 | 2 29 | 9 44 | 2 6 | 13 48 | 1 26 | 22 33 | 0 30 | 5 19 | 1 38 | 11 6 | 0 35 | 20 3 | 0 41 | 3 12 | 15 44 | 22 11 | 22 10 | 2 41 | 10 55 | 7 42 | T 7 |
| W 8 | 22 33 | 18 33 | 2 28 | 16 49 | 2 28 | 10 6 | 2 8 | 13 32 | 1 24 | 22 34 | 0 30 | 5 18 | 1 38 | 11 7 | 0 35 | 20 2 | 0 41 | 3 12 | 15 44 | 22 11 | 22 9 | 2 44 | 10 55 | 7 43 | W 8 |
| T 9 | 22 39 | 20 50 | 1 23 | 17 2 | 2 27 | 10 28 | 2 9 | 13 15 | 1 23 | 22 35 | 0 29 | 5 17 | 1 38 | 11 8 | 0 35 | 20 2 | 0 41 | 3 12 | 15 44 | 22 11 | 22 9 | 2 46 | 10 55 | 7 43 | T 9 |
| F 10 | 22 45 | 22 5 | 0 13 | 17 16 | 2 24 | 10 49 | 2 11 | 12 59 | 1 22 | 22 35 | 0 29 | 5 16 | 1 39 | 11 9 | 0 35 | 20 2 | 0 41 | 3 13 | 15 45 | 22 11 | 22 9 | 2 48 | 10 55 | 7 44 | F 10 |
| S 11 | 22 50 | 22 9 | 1n 0 | 17 33 | 2 20 | 11 11 | 2 12 | 12 42 | 1 21 | 22 36 | 0 29 | 5 16 | 1 39 | 11 10 | 0 35 | 20 1 | 0 41 | 3 13 | 15 45 | 22 11 | 22 8 | 2 51 | 10 55 | 7 44 | S 11 |
| S 12 | 22 55 | 20 57 | 2 11 | 17 50 | 2 16 | 11 33 | 2 13 | 12 25 | 1 19 | 22 37 | 0 29 | 5 15 | 1 39 | 11 11 | 0 35 | 20 1 | 0 41 | 3 13 | 15 45 | 22 11 | 22 8 | 2 53 | 10 55 | 7 45 | S 12 |
| M13 | 23 0 | 18 31 | 3 15 | 18 9 | 2 11 | 11 54 | 2 14 | 12 8 | 1 18 | 22 38 | 0 29 | 5 14 | 1 39 | 11 12 | 0 35 | 20 1 | 0 41 | 3 14 | 15 45 | 22 11 | 22 7 | 2 56 | 10 55 | 7 45 | M13 |
| T 14 | 23 4 | 14 59 | 4 9 | 18 28 | 2 6 | 12 15 | 2 15 | 11 51 | 1 17 | 22 39 | 0 29 | 5 14 | 1 40 | 11 13 | 0 35 | 20 0 | 0 41 | 3 14 | 15 45 | 22 11 | 22 7 | 2 58 | 10 55 | 7 46 | T 14 |
| W15 | 23 7 | 10 36 | 4 49 | 18 48 | 2 0 | 12 36 | 2 16 | 11 34 | 1 16 | 22 39 | 0 29 | 5 13 | 1 40 | 11 14 | 0 35 | 20 0 | 0 41 | 3 14 | 15 46 | 22 11 | 22 7 | 3 1 | 10 55 | 7 46 | W15 |
| T 16 | 23 10 | 5 37 | 5 12 | 19 9 | 1 54 | 12 57 | 2 17 | 11 17 | 1 14 | 22 40 | 0 29 | 5 13 | 1 40 | 11 15 | 0 35 | 20 0 | 0 41 | 3 14 | 15 46 | 22 11 | 22 6 | 3 3 | 10 55 | 7 47 | T 16 |
| F 17 | 23 13 | 0 19 | 5 15 | 19 29 | 1 47 | 13 18 | 2 17 | 10 59 | 1 13 | 22 41 | 0 29 | 5 12 | 1 40 | 11 16 | 0 35 | 19 59 | 0 41 | 3 15 | 15 46 | 22 11 | 22 6 | 3 6 | 10 55 | 7 48 | F 17 |
| S 18 | 23 15 | 5n 0 | 5 0 | 19 49 | 1 40 | 13 38 | 2 18 | 10 42 | 1 12 | 22 42 | 0 29 | 5 12 | 1 41 | 11 17 | 0 35 | 19 59 | 0 41 | 3 15 | 15 46 | 22 11 | 22 5 | 3 8 | 10 55 | 7 48 | S 18 |
| S 19 | 23 16 | 10 3 | 4 27 | 20 9 | 1 33 | 13 59 | 2 18 | 10 24 | 1 11 | 22 42 | 0 29 | 5 12 | 1 41 | 11 17 | 0 35 | 19 59 | 0 41 | 3 15 | 15 47 | 22 11 | 22 5 | 3 11 | 10 55 | 7 49 | S 19 |
| M20 | 23 18 | 14 33 | 3 37 | 20 28 | 1 26 | 14 19 | 2 18 | 10 7 | 1 9 | 22 43 | 0 29 | 5 11 | 1 41 | 11 18 | 0 35 | 19 58 | 0 41 | 3 15 | 15 47 | 22 11 | 22 4 | 3 13 | 10 56 | 7 49 | M20 |
| T 21 | 23 18 | 18 13 | 2 35 | 20 47 | 1 18 | 14 38 | 2 19 | 9 49 | 1 8 | 22 44 | 0 29 | 5 11 | 1 41 | 11 19 | 0 35 | 19 58 | 0 41 | 3 16 | 15 47 | 22 11 | 22 4 | 3 15 | 10 56 | 7 49 | T 21 |
| W22 | 23 19 | 20 48 | 1 24 | 21 6 | 1 11 | 14 58 | 2 19 | 9 31 | 1 7 | 22 44 | 0 28 | 5 11 | 1 42 | 11 20 | 0 35 | 19 57 | 0 41 | 3 16 | 15 47 | 22 11 | 22 4 | 3 18 | 10 56 | 7 50 | W22 |
| T 23 | 23 18 | 22 7 | 0 9 | 21 24 | 1 3 | 15 17 | 2 19 | 9 14 | 1 6 | 22 45 | 0 28 | 5 11 | 1 42 | 11 21 | 0 35 | 19 57 | 0 41 | 3 16 | 15 48 | 22 11 | 22 3 | 3 20 | 10 56 | 7 50 | T 23 |
| F 24 | 23 18 | 22 7 | 1s 5 | 21 41 | 0 56 | 15 36 | 2 18 | 8 56 | 1 4 | 22 45 | 0 28 | 5 11 | 1 42 | 11 22 | 0 35 | 19 57 | 0 41 | 3 16 | 15 48 | 22 11 | 22 3 | 3 23 | 10 57 | 7 51 | F 24 |
| S 25 | 23 17 | 20 51 | 2 14 | 21 57 | 0 48 | 15 54 | 2 18 | 8 38 | 1 3 | 22 46 | 0 28 | 5 11 | 1 42 | 11 22 | 0 36 | 19 56 | 0 41 | 3 16 | 15 48 | 22 11 | 22 2 | 3 25 | 10 57 | 7 51 | S 25 |
| S 26 | 23 15 | 18 30 | 3 15 | 22 12 | 0 40 | 16 13 | 2 18 | 8 20 | 1 2 | 22 46 | 0 28 | 5 11 | 1 43 | 11 23 | 0 36 | 19 56 | 0 41 | 3 16 | 15 49 | 22 11 | 22 2 | 3 28 | 10 57 | 7 52 | S 26 |
| M27 | 23 13 | 15 17 | 4 5 | 22 26 | 0 33 | 16 31 | 2 17 | 8 1 | 1 1 | 22 47 | 0 28 | 5 11 | 1 43 | 11 24 | 0 36 | 19 56 | 0 41 | 3 17 | 15 49 | 22 10 | 22 1 | 3 30 | 10 58 | 7 52 | M27 |
| T 28 | 23 11 | 11 27 | 4 41 | 22 40 | 0 25 | 16 48 | 2 17 | 7 43 | 1 0 | 22 47 | 0 28 | 5 11 | 1 43 | 11 24 | 0 36 | 19 55 | 0 41 | 3 17 | 15 49 | 22 10 | 22 1 | 3 32 | 10 58 | 7 53 | T 28 |
| W29 | 23 8 | 7 14 | 5 4 | 22 52 | 0 18 | 17 5 | 2 16 | 7 25 | 0 58 | 22 48 | 0 28 | 5 11 | 1 44 | 11 25 | 0 36 | 19 55 | 0 41 | 3 17 | 15 49 | 22 9 | 22 1 | 3 35 | 10 59 | 7 53 | W29 |
| T 30 | 23 4 | 2 47 | 5 13 | 23 3 | 0 11 | 17 22 | 2 15 | 7 7 | 0 57 | 22 48 | 0 28 | 5 11 | 1 44 | 11 26 | 0 36 | 19 54 | 0 41 | 3 17 | 15 50 | 22 9 | 22 0 | 3 37 | 10 59 | 7 53 | T 30 |
| F 31 | 23s 0 | 1s42 | 5s 9 | 23s13 | 0n 3 | 17s39 | 2n14 | 6s48 | 0s56 | 22s49 | 0n28 | 5n11 | 1n44 | 11s27 | 0n36 | 19s54 | 0n41 | 3s17 | 15n50 | 22s 8 | 22s 0 | 3s40 | 10n59 | 7s54 | F 31 |

Julian Day Number = 2809451.5, Delta T = 52m43s
Ecliptic obliquity = 23°18'41, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°27'27, Lahiri = 37°34'27


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# ASTRODIENST EPHEMERIS for the year 2980
# geocentric

## JANUARY 2980 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 42 43 | 10♑ 3'30 | 4♎11 | 28♐14 | 0♐12 | 15♓35 | 27♐ 2 | 20°R54 | 1♏44 | 27♑28 | 24♏ 0 | 12°R13 | 11♐ 7 | 27♍55 | 6°R 1 | S 1 |
| S 2 | 6 46 40 | 11° 4'30 | 16° 4 | 29°46 | 1°24 | 16°20 | 27°15 | 20♍54 | 1°46 | 27°30 | 24° 2 | 12°D13 | 11° 3 | 28° 2 | 5♌58 | S 2 |
| M 3 | 6 50 36 | 12° 5'31 | 28° 2 | 1♑18 | 2°36 | 17° 5 | 27°29 | 20°54 | 1°47 | 27°32 | 24° 4 | 12♐14 | 11° 0 | 28° 9 | 5°54 | M 3 |
| T 4 | 6 54 33 | 13° 6'33 | 10♏11 | 2°50 | 3°48 | 17°50 | 27°42 | 20°53 | 1°49 | 27°34 | 24° 6 | 12°16 | 10°57 | 28°15 | 5°50 | T 4 |
| W 5 | 6 58 29 | 14° 7'36 | 22°35 | 4°22 | 5° 1 | 18°35 | 27°55 | 20°53 | 1°51 | 27°36 | 24° 8 | 12°18 | 10°54 | 28°22 | 5°47 | W 5 |
| T 6 | 7 2 26 | 15° 8'40 | 5♐19 | 5°55 | 6°13 | 19°20 | 28° 8 | 20°52 | 1°53 | 27°39 | 24° 9 | 12°19 | 10°51 | 28°29 | 5°43 | T 6 |
| F 7 | 7 6 23 | 16° 9'44 | 18°24 | 7°27 | 7°25 | 20° 5 | 28°21 | 20°52 | 1°54 | 27°41 | 24°11 | 12°R19 | 10°48 | 28°36 | 5°39 | F 7 |
| S 8 | 7 10 19 | 17°10'49 | 1♑52 | 9° 0 | 8°38 | 20°50 | 28°35 | 20°51 | 1°56 | 27°43 | 24°13 | 12°17 | 10°44 | 28°42 | 5°35 | S 8 |
| S 9 | 7 14 16 | 18°11'55 | 15°42 | 10°34 | 9°50 | 21°35 | 28°48 | 20°50 | 1°58 | 27°45 | 24°14 | 12°14 | 10°41 | 28°49 | 5°31 | S 9 |
| M10 | 7 18 12 | 19°13'00 | 29°50 | 12° 7 | 11° 3 | 22°20 | 29° 1 | 20°49 | 1°59 | 27°48 | 24°16 | 12° 9 | 10°38 | 28°56 | 5°27 | M10 |
| T 11 | 7 22 9 | 20°14'07 | 14♒13 | 13°41 | 12°16 | 23° 5 | 29°14 | 20°48 | 2° 1 | 27°50 | 24°18 | 12° 3 | 10°35 | 29° 3 | 5°23 | T 11 |
| W12 | 7 26 5 | 21°15'13 | 28°44 | 15°15 | 13°28 | 23°50 | 29°27 | 20°47 | 2° 2 | 27°52 | 24°19 | 11°57 | 10°32 | 29° 9 | 5°19 | W12 |
| T 13 | 7 30 2 | 22°16'19 | 13♓16 | 16°49 | 14°41 | 24°35 | 29°40 | 20°45 | 2° 3 | 27°54 | 24°21 | 11°51 | 10°28 | 29°16 | 5°15 | T 13 |
| F 14 | 7 33 58 | 23°17'26 | 27°44 | 18°23 | 15°54 | 25°20 | 29°53 | 20°44 | 2° 5 | 27°57 | 24°22 | 11°47 | 10°25 | 29°23 | 5°11 | F 14 |
| S 15 | 7 37 55 | 24°18'32 | 12♈ 3 | 19°58 | 17° 7 | 26° 5 | 0♑ 6 | 20°43 | 2° 6 | 27°59 | 24°24 | 11°44 | 10°22 | 29°29 | 5° 7 | S 15 |
| S 16 | 7 41 52 | 25°19'39 | 26°10 | 21°33 | 18°20 | 26°50 | 0°18 | 20°41 | 2° 7 | 28° 1 | 24°25 | 11°D43 | 10°19 | 29°36 | 5° 3 | S 16 |
| M17 | 7 45 48 | 26°20'45 | 10♉ 4 | 23° 8 | 19°33 | 27°35 | 0°31 | 20°39 | 2° 8 | 28° 4 | 24°26 | 11°44 | 10°16 | 29°43 | 4°59 | M17 |
| T 18 | 7 49 45 | 27°21'51 | 23°46 | 24°44 | 20°46 | 28°21 | 0°44 | 20°37 | 2° 9 | 28° 6 | 24°28 | 11°45 | 10°13 | 29°50 | 4°55 | T 18 |
| W19 | 7 53 41 | 28°22'57 | 7♊15 | 26°20 | 21°59 | 29° 6 | 0°57 | 20°35 | 2°10 | 28° 8 | 24°29 | 11°R46 | 10° 9 | 29°56 | 4°50 | W19 |
| T 20 | 7 57 38 | 29°24'02 | 20°32 | 27°56 | 23°12 | 29°51 | 1° 9 | 20°33 | 2°11 | 28°10 | 24°31 | 11°46 | 10° 6 | 0♎ 3 | 4°46 | T 20 |
| F 21 | 8 1 34 | 0♒25'08 | 3♋38 | 29°33 | 24°25 | 0♈36 | 1°22 | 20°31 | 2°12 | 28°13 | 24°32 | 11°44 | 10° 3 | 0°10 | 4°42 | F 21 |
| S 22 | 8 5 31 | 1°26'13 | 16°33 | 1♒10 | 25°39 | 1°21 | 1°34 | 20°29 | 2°13 | 28°15 | 24°33 | 11°39 | 10° 0 | 0°16 | 4°38 | S 22 |
| S 23 | 8 9 27 | 2°27'19 | 29°17 | 2°48 | 26°52 | 2° 6 | 1°47 | 20°27 | 2°14 | 28°17 | 24°34 | 11°32 | 9°57 | 0°23 | 4°34 | S 23 |
| M24 | 8 13 24 | 3°28'24 | 11♌49 | 4°25 | 28° 5 | 2°51 | 1°59 | 20°24 | 2°14 | 28°19 | 24°36 | 11°23 | 9°54 | 0°30 | 4°29 | M24 |
| T 25 | 8 17 21 | 4°29'29 | 24°10 | 6° 4 | 29°19 | 3°36 | 2°12 | 20°22 | 2°15 | 28°22 | 24°37 | 11°12 | 9°50 | 0°37 | 4°25 | T 25 |
| W26 | 8 21 17 | 5°30'33 | 6♍21 | 7°42 | 0♑32 | 4°20 | 2°24 | 20°19 | 2°16 | 28°24 | 24°38 | 11° 1 | 9°47 | 0°43 | 4°21 | W26 |
| T 27 | 8 25 14 | 6°31'38 | 18°23 | 9°22 | 1°46 | 5° 5 | 2°36 | 20°16 | 2°16 | 28°26 | 24°39 | 10°51 | 9°44 | 0°50 | 4°17 | T 27 |
| F 28 | 8 29 10 | 7°32'43 | 0♎17 | 11° 1 | 2°59 | 5°50 | 2°49 | 20°13 | 2°17 | 28°28 | 24°40 | 10°43 | 9°41 | 0°57 | 4°12 | F 28 |
| S 29 | 8 33 7 | 8°33'47 | 12° 8 | 12°41 | 4°13 | 6°35 | 3° 1 | 20°10 | 2°17 | 28°31 | 24°41 | 10°37 | 9°38 | 1° 3 | 4° 8 | S 29 |
| S 30 | 8 37 3 | 9°34'52 | 23°58 | 14°22 | 5°26 | 7°20 | 3°13 | 20° 7 | 2°18 | 28°33 | 24°42 | 10°33 | 9°34 | 1°10 | 4° 4 | S 30 |
| M31 | 8 41 0 | 10♒35'56 | 5♏54 | 16♒ 3 | 6♑40 | 8♈ 5 | 3♑25 | 20♍ 4 | 2♏18 | 28♑35 | 24♏43 | 10°D31 | 9♐31 | 1♎17 | 4♌ 0 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s56 | 6s 6 | 4s51 | 23s22 | 0s 4 | 17s55 | 2n13 | 6s30 | 0s55 | 22s49 | 0n28 | 5n11 | 1n44 | 11s27 | 0n36 | 19s54 | 0n41 | 3s17 | 15n51 | 22s 8 | 21s59 | 3s42 | 11n 0 | 7s54 | S 1 |
| S 2 | 22 51 | 10 18 | 4 21 | 23 30 | 0 11 | 18 10 | 2 12 | 6 12 | 0 54 | 22 49 | 0 28 | 5 12 | 1 45 | 11 28 | 0 36 | 19 53 | 0 41 | 3 17 | 15 51 | 22 8 | 21 59 | 3 45 | 11 0 | 7 54 | S 2 |
| M 3 | 22 46 | 14 8 | 3 39 | 23 36 | 0 18 | 18 25 | 2 11 | 5 53 | 0 53 | 22 50 | 0 28 | 5 12 | 1 45 | 11 28 | 0 36 | 19 53 | 0 41 | 3 17 | 15 51 | 22 8 | 21 58 | 3 47 | 11 1 | 7 55 | M 3 |
| T 4 | 22 40 | 17 26 | 2 47 | 23 42 | 0 25 | 18 40 | 2 10 | 5 34 | 0 51 | 22 50 | 0 28 | 5 12 | 1 45 | 11 29 | 0 36 | 19 52 | 0 41 | 3 17 | 15 52 | 22 9 | 21 58 | 3 49 | 11 2 | 7 55 | T 4 |
| W 5 | 22 34 | 20 2 | 1 46 | 23 46 | 0 32 | 18 55 | 2 9 | 5 16 | 0 50 | 22 50 | 0 28 | 5 13 | 1 45 | 11 30 | 0 36 | 19 52 | 0 41 | 3 17 | 15 52 | 22 9 | 21 58 | 3 52 | 11 2 | 7 55 | W 5 |
| T 6 | 22 27 | 21 42 | 0 38 | 23 49 | 0 38 | 19 8 | 2 7 | 4 57 | 0 49 | 22 50 | 0 27 | 5 13 | 1 46 | 11 30 | 0 36 | 19 51 | 0 41 | 3 17 | 15 52 | 22 9 | 21 57 | 3 54 | 11 3 | 7 56 | T 6 |
| F 7 | 22 20 | 22 15 | 0n33 | 23 51 | 0 45 | 19 22 | 2 6 | 4 39 | 0 48 | 22 51 | 0 27 | 5 14 | 1 46 | 11 31 | 0 36 | 19 51 | 0 41 | 3 17 | 15 53 | 22 9 | 21 57 | 3 57 | 11 3 | 7 56 | F 7 |
| S 8 | 22 13 | 21 33 | 1 45 | 23 51 | 0 51 | 19 35 | 2 4 | 4 20 | 0 47 | 22 51 | 0 27 | 5 14 | 1 46 | 11 31 | 0 36 | 19 51 | 0 41 | 3 17 | 15 53 | 22 9 | 21 56 | 3 59 | 11 4 | 7 56 | S 8 |
| S 9 | 22 5 | 19 33 | 2 52 | 23 50 | 0 57 | 19 47 | 2 3 | 4 1 | 0 46 | 22 51 | 0 27 | 5 15 | 1 46 | 11 32 | 0 36 | 19 50 | 0 41 | 3 17 | 15 54 | 22 8 | 21 56 | 4 1 | 11 5 | 7 56 | S 9 |
| M10 | 21 57 | 16 20 | 3 50 | 23 48 | 1 3 | 19 59 | 2 1 | 3 42 | 0 44 | 22 51 | 0 27 | 5 15 | 1 47 | 11 32 | 0 36 | 19 50 | 0 41 | 3 17 | 15 54 | 22 8 | 21 55 | 4 4 | 11 5 | 7 57 | M10 |
| T 11 | 21 48 | 12 6 | 4 34 | 23 45 | 1 8 | 20 10 | 1 59 | 3 24 | 0 43 | 22 51 | 0 27 | 5 16 | 1 47 | 11 33 | 0 36 | 19 49 | 0 41 | 3 17 | 15 54 | 22 7 | 21 55 | 4 6 | 11 6 | 7 57 | T 11 |
| W12 | 21 39 | 7 8 | 5 2 | 23 40 | 1 14 | 20 21 | 1 57 | 3 5 | 0 42 | 22 51 | 0 27 | 5 17 | 1 47 | 11 33 | 0 36 | 19 49 | 0 41 | 3 17 | 15 55 | 22 6 | 21 54 | 4 9 | 11 7 | 7 57 | W12 |
| T 13 | 21 29 | 1 46 | 5 10 | 23 34 | 1 19 | 20 32 | 1 55 | 2 46 | 0 41 | 22 52 | 0 27 | 5 17 | 1 47 | 11 34 | 0 36 | 19 48 | 0 40 | 3 17 | 15 55 | 22 5 | 21 54 | 4 11 | 11 8 | 7 57 | T 13 |
| F 14 | 21 19 | 3n40 | 4 58 | 23 27 | 1 24 | 20 41 | 1 53 | 2 27 | 0 40 | 22 52 | 0 27 | 5 18 | 1 48 | 11 34 | 0 36 | 19 48 | 0 40 | 3 17 | 15 56 | 22 5 | 21 53 | 4 13 | 11 8 | 7 57 | F 14 |
| S 15 | 21 8 | 8 51 | 4 28 | 23 18 | 1 29 | 20 51 | 1 51 | 2 8 | 0 39 | 22 52 | 0 27 | 5 19 | 1 48 | 11 34 | 0 36 | 19 48 | 0 40 | 3 17 | 15 56 | 22 4 | 21 53 | 4 16 | 11 9 | 7 57 | S 15 |
| S 16 | 20 57 | 13 29 | 3 41 | 23 8 | 1 34 | 20 59 | 1 49 | 1 50 | 0 38 | 22 52 | 0 27 | 5 20 | 1 48 | 11 35 | 0 36 | 19 47 | 0 40 | 3 17 | 15 56 | 22 4 | 21 53 | 4 18 | 11 10 | 7 58 | S 16 |
| M17 | 20 46 | 17 20 | 2 43 | 22 57 | 1 38 | 21 7 | 1 47 | 1 31 | 0 37 | 22 52 | 0 27 | 5 21 | 1 48 | 11 35 | 0 36 | 19 47 | 0 40 | 3 17 | 15 57 | 22 4 | 21 52 | 4 21 | 11 11 | 7 58 | M17 |
| T 18 | 20 35 | 20 10 | 1 36 | 22 44 | 1 42 | 21 15 | 1 45 | 1 12 | 0 35 | 22 52 | 0 27 | 5 22 | 1 49 | 11 36 | 0 36 | 19 46 | 0 40 | 3 17 | 15 57 | 22 5 | 21 52 | 4 23 | 11 12 | 7 58 | T 18 |
| W19 | 20 22 | 21 48 | 0 24 | 22 30 | 1 46 | 21 22 | 1 43 | 0 53 | 0 34 | 22 52 | 0 27 | 5 23 | 1 49 | 11 36 | 0 36 | 19 46 | 0 40 | 3 17 | 15 58 | 22 5 | 21 51 | 4 25 | 11 13 | 7 58 | W19 |
| T 20 | 20 10 | 22 12 | 0s47 | 22 15 | 1 50 | 21 28 | 1 40 | 0 34 | 0 33 | 22 52 | 0 27 | 5 24 | 1 49 | 11 36 | 0 36 | 19 45 | 0 40 | 3 16 | 15 58 | 22 5 | 21 51 | 4 28 | 11 13 | 7 58 | T 20 |
| F 21 | 19 57 | 21 21 | 1 55 | 21 59 | 1 53 | 21 34 | 1 38 | 0 15 | 0 32 | 22 52 | 0 27 | 5 25 | 1 49 | 11 36 | 0 36 | 19 45 | 0 40 | 3 16 | 15 59 | 22 4 | 21 50 | 4 30 | 11 14 | 7 58 | F 21 |
| S 22 | 19 44 | 19 23 | 2 56 | 21 41 | 1 56 | 21 39 | 1 35 | 0n 3 | 0 31 | 22 51 | 0 27 | 5 26 | 1 49 | 11 37 | 0 36 | 19 45 | 0 40 | 3 16 | 15 59 | 22 4 | 21 50 | 4 32 | 11 15 | 7 58 | S 22 |
| S 23 | 19 30 | 16 29 | 3 47 | 21 21 | 1 58 | 21 44 | 1 33 | 0 22 | 0 30 | 22 51 | 0 27 | 5 27 | 1 50 | 11 37 | 0 36 | 19 44 | 0 40 | 3 16 | 16 0 | 22 3 | 21 49 | 4 35 | 11 16 | 7 58 | S 23 |
| M24 | 19 16 | 12 53 | 4 26 | 21 0 | 2 1 | 21 48 | 1 30 | 0 41 | 0 29 | 22 51 | 0 27 | 5 28 | 1 50 | 11 37 | 0 36 | 19 44 | 0 40 | 3 16 | 16 0 | 22 1 | 21 49 | 4 37 | 11 17 | 7 58 | M24 |
| T 25 | 19 2 | 8 48 | 4 52 | 20 38 | 2 3 | 21 51 | 1 28 | 1 0 | 0 28 | 22 51 | 0 27 | 5 29 | 1 50 | 11 37 | 0 36 | 19 43 | 0 40 | 3 15 | 16 1 | 22 0 | 21 48 | 4 40 | 11 18 | 7 58 | T 25 |
| W26 | 18 48 | 4 25 | 5 4 | 20 15 | 2 4 | 21 54 | 1 25 | 1 18 | 0 27 | 22 51 | 0 26 | 5 31 | 1 50 | 11 38 | 0 36 | 19 43 | 0 40 | 3 15 | 16 1 | 21 59 | 21 48 | 4 42 | 11 19 | 7 58 | W26 |
| T 27 | 18 33 | 0s 4 | 5 2 | 19 50 | 2 6 | 21 56 | 1 22 | 1 37 | 0 26 | 22 51 | 0 26 | 5 32 | 1 51 | 11 38 | 0 36 | 19 42 | 0 40 | 3 15 | 16 1 | 21 57 | 21 47 | 4 44 | 11 20 | 7 58 | T 27 |
| F 28 | 18 17 | 4 31 | 4 48 | 19 24 | 2 7 | 21 57 | 1 20 | 1 56 | 0 25 | 22 51 | 0 26 | 5 33 | 1 51 | 11 38 | 0 36 | 19 42 | 0 40 | 3 15 | 16 2 | 21 56 | 21 47 | 4 47 | 11 21 | 7 58 | F 28 |
| S 29 | 18 1 | 8 46 | 4 21 | 18 57 | 2 7 | 21 58 | 1 17 | 2 14 | 0 24 | 22 50 | 0 26 | 5 35 | 1 51 | 11 38 | 0 36 | 19 41 | 0 40 | 3 15 | 16 2 | 21 55 | 21 47 | 4 49 | 11 22 | 7 58 | S 29 |
| S 30 | 17 45 | 12 42 | 3 42 | 18 28 | 2 7 | 21 58 | 1 14 | 2 33 | 0 23 | 22 50 | 0 26 | 5 36 | 1 51 | 11 38 | 0 36 | 19 41 | 0 40 | 3 14 | 16 3 | 21 55 | 21 46 | 4 51 | 11 23 | 7 58 | S 30 |
| M31 | 17s29 | 16s 9 | 2s54 | 17s58 | 2s 7 | 21s57 | 1n11 | 2n51 | 0s22 | 22s50 | 0n26 | 5n37 | 1n52 | 11s38 | 0n36 | 19s41 | 0n40 | 3s14 | 16n 3 | 21s54 | 21s46 | 4s54 | 11n24 | 7s58 | M31 |

Julian Day Number = 2809482.5, Delta T = 52m43s
Ecliptic obliquity = 23°18'41, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°27'31, Lahiri = 37°34'32


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# ASTRODIENST EPHEMERIS for the year 2980
# geocentric

## FEBRUARY 2980 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 44 56 | 11♒37'00 | 18♏ 0 | 17♒44 | 7♑54 | 8♈50 | 3♑37 | 20°R 1 | 2♏18 | 28♑37 | 24♏44 | 10♐31 | 9♐28 | 1♎24 | 3°R55 | T 1 |
| W 2 | 8 48 53 | 12°38'05 | 0♐20 | 19°26 | 9° 8 | 9°35 | 3°49 | 19♍58 | 2°19 | 28°40 | 24°45 | 10°32 | 9°25 | 1°30 | 3♌51 | W 2 |
| T 3 | 8 52 50 | 13°39'09 | 13° 1 | 21° 8 | 10°21 | 10°20 | 4° 1 | 19°55 | 2°19 | 28°42 | 24°46 | 10°R32 | 9°22 | 1°37 | 3°47 | T 3 |
| F 4 | 8 56 46 | 14°40'12 | 26° 7 | 22°50 | 11°35 | 11° 4 | 4°13 | 19°51 | 2°19 | 28°44 | 24°46 | 10°31 | 9°19 | 1°44 | 3°43 | F 4 |
| S 5 | 9 0 43 | 15°41'16 | 9♑40 | 24°32 | 12°49 | 11°49 | 4°24 | 19°48 | 2°19 | 28°46 | 24°47 | 10°28 | 9°15 | 1°50 | 3°39 | S 5 |
| S 6 | 9 4 39 | 16°42'19 | 23°42 | 26°15 | 14° 3 | 12°34 | 4°36 | 19°44 | 2°R19 | 28°48 | 24°48 | 10°22 | 9°12 | 1°57 | 3°35 | S 6 |
| M 7 | 9 8 36 | 17°43'22 | 8♒ 8 | 27°58 | 15°17 | 13°19 | 4°48 | 19°40 | 2°19 | 28°51 | 24°49 | 10°13 | 9° 9 | 2° 4 | 3°31 | M 7 |
| T 8 | 9 12 32 | 18°44'24 | 22°55 | 29°40 | 16°31 | 14° 3 | 4°59 | 19°37 | 2°19 | 28°53 | 24°49 | 10° 3 | 9° 6 | 2°11 | 3°26 | T 8 |
| W 9 | 9 16 29 | 19°45'25 | 7♓53 | 1♓23 | 17°45 | 14°48 | 5°11 | 19°33 | 2°19 | 28°55 | 24°50 | 9°52 | 9° 3 | 2°17 | 3°22 | W 9 |
| T 10 | 9 20 25 | 20°46'25 | 22°53 | 3° 5 | 18°58 | 15°33 | 5°22 | 19°29 | 2°18 | 28°57 | 24°51 | 9°41 | 8°59 | 2°24 | 3°18 | T 10 |
| F 11 | 9 24 22 | 21°47'25 | 7♈45 | 4°46 | 20°12 | 16°18 | 5°33 | 19°25 | 2°18 | 28°59 | 24°51 | 9°33 | 8°56 | 2°31 | 3°14 | F 11 |
| S 12 | 9 28 19 | 22°48'23 | 22°23 | 6°27 | 21°26 | 17° 2 | 5°44 | 19°21 | 2°18 | 29° 1 | 24°52 | 9°27 | 8°53 | 2°37 | 3°11 | S 12 |
| S 13 | 9 32 15 | 23°49'20 | 6♉41 | 8° 7 | 22°40 | 17°47 | 5°56 | 19°17 | 2°17 | 29° 3 | 24°52 | 9°24 | 8°50 | 2°44 | 3° 7 | S 13 |
| M14 | 9 36 12 | 24°50'16 | 20°38 | 9°45 | 23°54 | 18°31 | 6° 7 | 19°13 | 2°17 | 29° 6 | 24°53 | 9°D23 | 8°47 | 2°51 | 3° 3 | M14 |
| T 15 | 9 40 8 | 25°51'12 | 4♊14 | 11°22 | 25° 8 | 19°16 | 6°17 | 19° 8 | 2°17 | 29° 8 | 24°53 | 9°R23 | 8°44 | 2°57 | 2°59 | T 15 |
| W16 | 9 44 5 | 26°52'05 | 17°31 | 12°56 | 26°23 | 20° 0 | 6°28 | 19° 4 | 2°16 | 29°10 | 24°54 | 9°23 | 8°40 | 3° 4 | 2°55 | W16 |
| T 17 | 9 48 1 | 27°52'58 | 0♋32 | 14°28 | 27°37 | 20°45 | 6°39 | 19° 0 | 2°15 | 29°12 | 24°54 | 9°21 | 8°37 | 3°11 | 2°52 | T 17 |
| F 18 | 9 51 58 | 28°53'49 | 13°19 | 15°57 | 28°51 | 21°29 | 6°50 | 18°56 | 2°15 | 29°14 | 24°54 | 9°17 | 8°34 | 3°18 | 2°48 | F 18 |
| S 19 | 9 55 54 | 29°54'40 | 25°55 | 17°22 | 0♒ 5 | 22°14 | 7° 0 | 18°51 | 2°14 | 29°16 | 24°55 | 9°10 | 8°31 | 3°24 | 2°44 | S 19 |
| S 20 | 9 59 51 | 0♓55'28 | 8♌21 | 18°42 | 1°19 | 22°58 | 7°11 | 18°47 | 2°13 | 29°18 | 24°55 | 9° 0 | 8°28 | 3°31 | 2°41 | S 20 |
| M21 | 10 3 48 | 1°56'16 | 20°38 | 19°58 | 2°33 | 23°43 | 7°21 | 18°42 | 2°12 | 29°20 | 24°55 | 8°47 | 8°25 | 3°38 | 2°37 | M21 |
| T 22 | 10 7 44 | 2°57'03 | 2♍48 | 21° 7 | 3°47 | 24°27 | 7°31 | 18°38 | 2°12 | 29°22 | 24°55 | 8°32 | 8°21 | 3°44 | 2°34 | T 22 |
| W23 | 10 11 41 | 3°57'48 | 14°51 | 22°10 | 5° 1 | 25°11 | 7°42 | 18°33 | 2°11 | 29°24 | 24°55 | 8°18 | 8°18 | 3°51 | 2°30 | W23 |
| T 24 | 10 15 37 | 4°58'32 | 26°48 | 23° 6 | 6°16 | 25°56 | 7°52 | 18°28 | 2°10 | 29°26 | 24°55 | 8° 4 | 8°15 | 3°58 | 2°27 | T 24 |
| F 25 | 10 19 34 | 5°59'15 | 8♎40 | 23°53 | 7°30 | 26°40 | 8° 2 | 18°24 | 2° 9 | 29°28 | 24°55 | 7°51 | 8°12 | 4° 5 | 2°24 | F 25 |
| S 26 | 10 23 30 | 6°59'57 | 20°30 | 24°32 | 8°44 | 27°24 | 8°12 | 18°19 | 2° 8 | 29°30 | 24°R56 | 7°42 | 8° 9 | 4°11 | 2°21 | S 26 |
| S 27 | 10 27 27 | 8° 0'38 | 2♏20 | 25° 1 | 9°58 | 28° 8 | 8°21 | 18°14 | 2° 6 | 29°31 | 24°56 | 7°35 | 8° 5 | 4°18 | 2°17 | S 27 |
| M28 | 10 31 23 | 9° 1'18 | 14°14 | 25°21 | 11°12 | 28°52 | 8°31 | 18°10 | 2° 5 | 29°33 | 24°55 | 7°31 | 8° 2 | 4°25 | 2°14 | M28 |
| T 29 | 10 35 20 | 10♓ 1'57 | 26♏18 | 25°R29 | 12♒27 | 29♈37 | 8♑41 | 18♍ 5 | 2♏ 4 | 29♑35 | 24♏55 | 7♐30 | 7♐59 | 4♎31 | 2♌11 | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s13 | 18s59 | 1s57 | 17s26 | 2s 6 | 21s56 | 1n 9 | 3n10 | 0s21 | 22s50 | 0n26 | 5n39 | 1n52 | 11s38 | 0n36 | 19s40 | 0n40 | 3s14 | 16n 4 | 21s54 | 21s45 | 4s56 | 11n25 | 7s58 |
| W 2 | 16 56 | 21 0 | 0 54 | 16 54 | 2 5 | 21 54 | 1 6 | 3 28 | 0 20 | 22 49 | 0 26 | 5 40 | 1 52 | 11 38 | 0 37 | 19 40 | 0 40 | 3 13 | 16 4 | 21 54 | 21 45 | 4 58 | 11 26 | 7 58 |
| T 3 | 16 38 | 22 1 | 0n13 | 16 20 | 2 3 | 21 52 | 1 3 | 3 47 | 0 19 | 22 49 | 0 26 | 5 42 | 1 52 | 11 38 | 0 37 | 19 39 | 0 40 | 3 13 | 16 5 | 21 55 | 21 44 | 5 1 | 11 27 | 7 58 |
| F 4 | 16 21 | 21 53 | 1 22 | 15 44 | 2 1 | 21 49 | 1 0 | 4 5 | 0 18 | 22 49 | 0 26 | 5 43 | 1 52 | 11 38 | 0 37 | 19 39 | 0 40 | 3 13 | 16 5 | 21 54 | 21 44 | 5 3 | 11 28 | 7 57 |
| S 5 | 16 3 | 20 29 | 2 29 | 15 8 | 1 58 | 21 45 | 0 57 | 4 24 | 0 17 | 22 48 | 0 26 | 5 45 | 1 53 | 11 38 | 0 37 | 19 38 | 0 40 | 3 13 | 16 6 | 21 54 | 21 43 | 5 6 | 11 29 | 7 57 |
| S 6 | 15 45 | 17 50 | 3 28 | 14 30 | 1 55 | 21 41 | 0 54 | 4 42 | 0 16 | 22 48 | 0 26 | 5 46 | 1 53 | 11 38 | 0 37 | 19 38 | 0 40 | 3 12 | 16 6 | 21 53 | 21 43 | 5 8 | 11 30 | 7 57 |
| M 7 | 15 26 | 14 0 | 4 16 | 13 51 | 1 51 | 21 36 | 0 51 | 5 0 | 0 15 | 22 48 | 0 26 | 5 48 | 1 53 | 11 38 | 0 37 | 19 37 | 0 40 | 3 12 | 16 7 | 21 52 | 21 42 | 5 10 | 11 32 | 7 57 |
| T 8 | 15 8 | 9 15 | 4 49 | 13 11 | 1 46 | 21 30 | 0 48 | 5 18 | 0 14 | 22 47 | 0 26 | 5 50 | 1 53 | 11 38 | 0 37 | 19 37 | 0 40 | 3 12 | 16 7 | 21 50 | 21 42 | 5 13 | 11 33 | 7 57 |
| W 9 | 14 49 | 3 54 | 5 2 | 12 30 | 1 41 | 21 24 | 0 45 | 5 36 | 0 13 | 22 47 | 0 26 | 5 51 | 1 53 | 11 38 | 0 37 | 19 37 | 0 40 | 3 11 | 16 8 | 21 49 | 21 41 | 5 15 | 11 34 | 7 56 |
| T 10 | 14 30 | 1n42 | 4 54 | 11 48 | 1 35 | 21 17 | 0 42 | 5 54 | 0 12 | 22 46 | 0 26 | 5 53 | 1 53 | 11 38 | 0 37 | 19 36 | 0 40 | 3 11 | 16 9 | 21 47 | 21 41 | 5 17 | 11 35 | 7 56 |
| F 11 | 14 10 | 7 9 | 4 26 | 11 5 | 1 29 | 21 9 | 0 39 | 6 12 | 0 11 | 22 46 | 0 26 | 5 55 | 1 54 | 11 38 | 0 37 | 19 36 | 0 40 | 3 10 | 16 9 | 21 46 | 21 40 | 5 20 | 11 36 | 7 56 |
| S 12 | 13 50 | 12 6 | 3 42 | 10 22 | 1 21 | 21 1 | 0 36 | 6 30 | 0 10 | 22 45 | 0 26 | 5 56 | 1 54 | 11 38 | 0 37 | 19 35 | 0 40 | 3 10 | 16 10 | 21 45 | 21 40 | 5 22 | 11 37 | 7 56 |
| S 13 | 13 31 | 16 15 | 2 44 | 9 37 | 1 14 | 20 52 | 0 33 | 6 48 | 0 9 | 22 45 | 0 26 | 5 58 | 1 54 | 11 38 | 0 37 | 19 35 | 0 40 | 3 10 | 16 10 | 21 44 | 21 39 | 5 24 | 11 38 | 7 55 |
| M14 | 13 10 | 19 23 | 1 38 | 8 52 | 1 5 | 20 43 | 0 30 | 7 6 | 0 8 | 22 45 | 0 26 | 6 0 | 1 54 | 11 38 | 0 37 | 19 34 | 0 40 | 3 9 | 16 11 | 21 44 | 21 39 | 5 27 | 11 39 | 7 55 |
| T 15 | 12 50 | 21 19 | 0 27 | 8 7 | 0 55 | 20 33 | 0 27 | 7 24 | 0 7 | 22 44 | 0 26 | 6 2 | 1 54 | 11 37 | 0 37 | 19 34 | 0 40 | 3 9 | 16 11 | 21 44 | 21 38 | 5 29 | 11 41 | 7 55 |
| W16 | 12 29 | 22 1 | 0s43 | 7 22 | 0 45 | 20 22 | 0 24 | 7 41 | 0 6 | 22 44 | 0 26 | 6 4 | 1 55 | 11 37 | 0 37 | 19 34 | 0 40 | 3 8 | 16 12 | 21 44 | 21 38 | 5 31 | 11 42 | 7 54 |
| T 17 | 12 9 | 21 29 | 1 49 | 6 36 | 0 34 | 20 11 | 0 21 | 7 59 | 0 5 | 22 43 | 0 26 | 6 5 | 1 55 | 11 37 | 0 37 | 19 33 | 0 40 | 3 8 | 16 12 | 21 44 | 21 37 | 5 33 | 11 43 | 7 54 |
| F 18 | 11 48 | 19 51 | 2 49 | 5 52 | 0 22 | 19 59 | 0 18 | 8 16 | 0 4 | 22 43 | 0 26 | 6 7 | 1 55 | 11 37 | 0 37 | 19 33 | 0 40 | 3 8 | 16 13 | 21 43 | 21 37 | 5 36 | 11 44 | 7 54 |
| S 19 | 11 27 | 17 15 | 3 39 | 5 7 | 0 10 | 19 47 | 0 15 | 8 34 | 0 3 | 22 42 | 0 26 | 6 9 | 1 55 | 11 36 | 0 37 | 19 32 | 0 40 | 3 7 | 16 13 | 21 42 | 21 36 | 5 38 | 11 45 | 7 53 |
| S 20 | 11 5 | 13 55 | 4 18 | 4 24 | 0n 3 | 19 34 | 0 12 | 8 51 | 0 2 | 22 42 | 0 26 | 6 11 | 1 55 | 11 36 | 0 37 | 19 32 | 0 40 | 3 7 | 16 14 | 21 41 | 21 36 | 5 40 | 11 46 | 7 53 |
| M21 | 10 44 | 10 2 | 4 45 | 3 41 | 0 17 | 19 20 | 0 9 | 9 8 | 0 2 | 22 41 | 0 26 | 6 13 | 1 55 | 11 36 | 0 37 | 19 31 | 0 40 | 3 6 | 16 14 | 21 39 | 21 35 | 5 43 | 11 47 | 7 53 |
| T 22 | 10 22 | 5 47 | 4 58 | 3 1 | 0 32 | 19 6 | 0 6 | 9 25 | 0 1 | 22 41 | 0 25 | 6 15 | 1 55 | 11 35 | 0 37 | 19 31 | 0 40 | 3 6 | 16 15 | 21 37 | 21 35 | 5 45 | 11 49 | 7 52 |
| W23 | 10 0 | 1 21 | 4 57 | 2 22 | 0 47 | 18 52 | 0 3 | 9 42 | 0n 0 | 22 40 | 0 25 | 6 17 | 1 56 | 11 35 | 0 37 | 19 31 | 0 40 | 3 5 | 16 15 | 21 34 | 21 34 | 5 47 | 11 50 | 7 52 |
| T 24 | 9 38 | 3s 5 | 4 44 | 1 46 | 1 2 | 18 36 | 0 0 | 9 59 | 0 1 | 22 39 | 0 25 | 6 19 | 1 56 | 11 35 | 0 37 | 19 30 | 0 40 | 3 5 | 16 16 | 21 32 | 21 34 | 5 50 | 11 51 | 7 51 |
| F 25 | 9 16 | 7 22 | 4 18 | 1 13 | 1 18 | 18 21 | 0s 3 | 10 16 | 0 2 | 22 39 | 0 25 | 6 21 | 1 56 | 11 34 | 0 37 | 19 30 | 0 40 | 3 4 | 16 16 | 21 30 | 21 33 | 5 52 | 11 52 | 7 51 |
| S 26 | 8 54 | 11 23 | 3 41 | 0 43 | 1 34 | 18 4 | 0 6 | 10 32 | 0 3 | 22 38 | 0 25 | 6 23 | 1 56 | 11 34 | 0 37 | 19 29 | 0 40 | 3 4 | 16 17 | 21 29 | 21 33 | 5 54 | 11 53 | 7 50 |
| S 27 | 8 31 | 14 57 | 2 54 | 0 17 | 1 50 | 17 47 | 0 8 | 10 49 | 0 4 | 22 38 | 0 25 | 6 24 | 1 56 | 11 34 | 0 37 | 19 29 | 0 40 | 3 3 | 16 17 | 21 27 | 21 32 | 5 57 | 11 54 | 7 50 |
| M28 | 8 9 | 17 56 | 2 0 | 0n 5 | 2 6 | 17 30 | 0 11 | 11 5 | 0 4 | 22 37 | 0 25 | 6 26 | 1 56 | 11 33 | 0 37 | 19 29 | 0 40 | 3 3 | 16 18 | 21 27 | 21 32 | 5 59 | 11 55 | 7 49 |
| T 29 | 7s46 | 20s10 | 0s59 | 0n23 | 2n21 | 17s12 | 0s14 | 11n22 | 0n 5 | 22s37 | 0n25 | 6n28 | 1n56 | 11s33 | 0n37 | 19s28 | 0n40 | 3s 2 | 16n18 | 21s27 | 21s31 | 6s 1 | 11n56 | 7s49 |

Julian Day Number = 2809513.5, Delta T = 52m44s
Ecliptic obliquity = 23°18'41, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°27'36, Lahiri = 37°34'36


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# ASTRODIENST EPHEMERIS for the year 2980
# geocentric

## MARCH 2980 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 39 17 | 11♓ 2'35 | 8♐34 | 25°R28 | 13♒41 | 0♉21 | 8♑50 | 18°R 0 | 2°R 3 | 29♑37 | 24°R55 | 7°R29 | 7♐56 | 4♎38 | 2°R 8 | W 1 |
| T 2 | 10 43 13 | 12° 3'12 | 21°10 | 25♓16 | 14°55 | 1° 5 | 8°59 | 17♍55 | 2♏ 1 | 29°39 | 24♏55 | 7♐29 | 7°53 | 4°45 | 2♌ 6 | T 2 |
| F 3 | 10 47 10 | 13° 3'48 | 4♑10 | 24°53 | 16°10 | 1°49 | 9° 9 | 17°50 | 2° 0 | 29°41 | 24°55 | 7°28 | 7°50 | 4°52 | 2° 3 | F 3 |
| S 4 | 10 51 6 | 14° 4'22 | 17°38 | 24°21 | 17°24 | 2°33 | 9°18 | 17°46 | 1°59 | 29°42 | 24°55 | 7°25 | 7°46 | 4°58 | 2° 0 | S 4 |
| S 5 | 10 55 3 | 15° 4'56 | 1♒37 | 23°40 | 18°38 | 3°17 | 9°27 | 17°41 | 1°57 | 29°44 | 24°54 | 7°19 | 7°43 | 5° 5 | 1°57 | S 5 |
| M 6 | 10 58 59 | 16° 5'28 | 16° 5 | 22°51 | 19°53 | 4° 1 | 9°35 | 17°36 | 1°56 | 29°46 | 24°54 | 7°10 | 7°40 | 5°12 | 1°55 | M 6 |
| T 7 | 11 2 56 | 17° 5'58 | 0♓58 | 21°55 | 21° 7 | 4°45 | 9°44 | 17°31 | 1°54 | 29°48 | 24°54 | 6°59 | 7°37 | 5°18 | 1°52 | T 7 |
| W 8 | 11 6 52 | 18° 6'28 | 16° 8 | 20°55 | 22°21 | 5°28 | 9°53 | 17°26 | 1°53 | 29°49 | 24°54 | 6°48 | 7°34 | 5°25 | 1°50 | W 8 |
| T 9 | 11 10 49 | 19° 6'55 | 1♈26 | 19°51 | 23°36 | 6°12 | 10° 1 | 17°21 | 1°51 | 29°51 | 24°53 | 6°37 | 7°31 | 5°32 | 1°48 | T 9 |
| F 10 | 11 14 45 | 20° 7'21 | 16°39 | 18°45 | 24°50 | 6°56 | 10°10 | 17°17 | 1°49 | 29°52 | 24°53 | 6°27 | 7°27 | 5°38 | 1°45 | F 10 |
| S 11 | 11 18 42 | 21° 7'46 | 1♉37 | 17°39 | 26° 4 | 7°40 | 10°18 | 17°12 | 1°47 | 29°54 | 24°52 | 6°21 | 7°24 | 5°45 | 1°43 | S 11 |
| S 12 | 11 22 39 | 22° 8'08 | 16°13 | 16°35 | 27°19 | 8°23 | 10°26 | 17° 7 | 1°46 | 29°56 | 24°52 | 6°17 | 7°21 | 5°52 | 1°41 | S 12 |
| M13 | 11 26 35 | 23° 8'29 | 0♊22 | 15°33 | 28°33 | 9° 7 | 10°34 | 17° 2 | 1°44 | 29°57 | 24°51 | 6°D16 | 7°18 | 5°59 | 1°39 | M13 |
| T 14 | 11 30 32 | 24° 8'48 | 14° 6 | 14°36 | 29°47 | 9°51 | 10°42 | 16°57 | 1°42 | 29°59 | 24°51 | 6°16 | 7°15 | 6° 5 | 1°37 | T 14 |
| W15 | 11 34 28 | 25° 9'05 | 27°25 | 13°44 | 1♓ 2 | 10°34 | 10°50 | 16°53 | 1°40 | 0♒ 0 | 24°50 | 6°R16 | 7°11 | 6°12 | 1°35 | W15 |
| T 16 | 11 38 25 | 26° 9'20 | 10♋22 | 12°58 | 2°16 | 11°18 | 10°57 | 16°48 | 1°38 | 0° 2 | 24°49 | 6°15 | 7° 8 | 6°19 | 1°34 | T 16 |
| F 17 | 11 42 21 | 27° 9'33 | 23° 1 | 12°18 | 3°30 | 12° 1 | 11° 4 | 16°43 | 1°36 | 0° 3 | 24°49 | 6°12 | 7° 5 | 6°25 | 1°32 | F 17 |
| S 18 | 11 46 18 | 28° 9'43 | 5♌26 | 11°45 | 4°45 | 12°45 | 11°12 | 16°38 | 1°34 | 0° 5 | 24°48 | 6° 6 | 7° 2 | 6°32 | 1°31 | S 18 |
| S 19 | 11 50 14 | 29° 9'52 | 17°40 | 11°19 | 5°59 | 13°28 | 11°19 | 16°34 | 1°32 | 0° 6 | 24°47 | 5°58 | 6°59 | 6°39 | 1°29 | S 19 |
| M20 | 11 54 11 | 0♈ 9'59 | 29°46 | 11° 0 | 7°13 | 14°12 | 11°26 | 16°29 | 1°30 | 0° 7 | 24°47 | 5°47 | 6°56 | 6°46 | 1°28 | M20 |
| T 21 | 11 58 8 | 1°10'04 | 11♍46 | 10°48 | 8°28 | 14°55 | 11°33 | 16°24 | 1°28 | 0° 9 | 24°46 | 5°35 | 6°52 | 6°52 | 1°26 | T 21 |
| W22 | 12 2 4 | 2°10'07 | 23°41 | 10°D42 | 9°42 | 15°38 | 11°39 | 16°20 | 1°26 | 0°10 | 24°45 | 5°22 | 6°49 | 6°59 | 1°25 | W22 |
| T 23 | 12 6 1 | 3°10'08 | 5♎34 | 10°43 | 10°56 | 16°22 | 11°46 | 16°15 | 1°24 | 0°11 | 24°44 | 5°10 | 6°46 | 7° 6 | 1°24 | T 23 |
| F 24 | 12 9 57 | 4°10'08 | 17°25 | 10°50 | 12°11 | 17° 5 | 11°52 | 16°11 | 1°22 | 0°12 | 24°43 | 5° 0 | 6°43 | 7°12 | 1°23 | F 24 |
| S 25 | 12 13 54 | 5°10'05 | 29°16 | 11° 3 | 13°25 | 17°48 | 11°59 | 16° 6 | 1°19 | 0°14 | 24°42 | 4°52 | 6°40 | 7°19 | 1°22 | S 25 |
| S 26 | 12 17 50 | 6°10'01 | 11♏ 9 | 11°22 | 14°39 | 18°31 | 12° 5 | 16° 2 | 1°17 | 0°15 | 24°41 | 4°46 | 6°36 | 7°26 | 1°21 | S 26 |
| M27 | 12 21 47 | 7° 9'56 | 23° 7 | 11°45 | 15°54 | 19°14 | 12°11 | 15°58 | 1°15 | 0°16 | 24°40 | 4°43 | 6°33 | 7°32 | 1°21 | M27 |
| T 28 | 12 25 43 | 8° 9'48 | 5♐13 | 12°14 | 17° 8 | 19°57 | 12°17 | 15°53 | 1°13 | 0°17 | 24°39 | 4°D43 | 6°30 | 7°39 | 1°20 | T 28 |
| W29 | 12 29 40 | 9° 9'39 | 17°31 | 12°47 | 18°22 | 20°40 | 12°22 | 15°49 | 1°10 | 0°18 | 24°38 | 4°43 | 6°27 | 7°46 | 1°19 | W29 |
| T 30 | 12 33 37 | 10° 9'29 | 0♑ 6 | 13°24 | 19°37 | 21°23 | 12°28 | 15°45 | 1° 8 | 0°19 | 24°37 | 4°44 | 6°24 | 7°53 | 1°19 | T 30 |
| F 31 | 12 37 33 | 11♈ 9'16 | 13♑ 2 | 14♓ 6 | 20♓51 | 22♉ 6 | 12♑33 | 15♍41 | 1♏ 6 | 0♒20 | 24♏36 | 4°R45 | 6♐21 | 7♎59 | 1♌19 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 7s23 | 21s31 | 0n 6 | 0n36 | 2n36 | 16s54 | 0s17 | 11n38 | 0n 6 | 22s36 | 0n25 | 6n30 | 1n56 | 11s32 | 0n37 | 19s28 | 0n40 | 3s 2 | 16n19 | 21s27 | 21s31 | 6s 3 | 11n58 | 7s48 | W 1 |
| T 2 | 7 0 | 21 50 | 1 12 | 0 44 | 2 50 | 16 35 | 0 20 | 11 54 | 0 7 | 22 35 | 0 25 | 6 32 | 1 56 | 11 32 | 0 37 | 19 27 | 0 40 | 3 1 | 16 19 | 21 27 | 21 30 | 6 6 | 11 59 | 7 48 | T 2 |
| F 3 | 6 37 | 20 59 | 2 16 | 0 46 | 3 2 | 16 16 | 0 22 | 12 10 | 0 8 | 22 35 | 0 25 | 6 34 | 1 57 | 11 31 | 0 37 | 19 27 | 0 40 | 3 1 | 16 20 | 21 26 | 21 30 | 6 8 | 12 0 | 7 47 | F 3 |
| S 4 | 6 14 | 18 56 | 3 15 | 0 44 | 3 13 | 15 56 | 0 25 | 12 26 | 0 9 | 22 34 | 0 25 | 6 36 | 1 57 | 11 31 | 0 37 | 19 27 | 0 40 | 3 0 | 16 20 | 21 26 | 21 29 | 6 10 | 12 1 | 7 47 | S 4 |
| S 5 | 5 51 | 15 43 | 4 5 | 0 36 | 3 23 | 15 36 | 0 28 | 12 41 | 0 9 | 22 34 | 0 25 | 6 38 | 1 57 | 11 30 | 0 37 | 19 26 | 0 40 | 3 0 | 16 21 | 21 25 | 21 29 | 6 13 | 12 2 | 7 46 | S 5 |
| M 6 | 5 28 | 11 28 | 4 41 | 0 24 | 3 30 | 15 15 | 0 30 | 12 57 | 0 10 | 22 33 | 0 25 | 6 40 | 1 57 | 11 30 | 0 37 | 19 26 | 0 40 | 2 59 | 16 21 | 21 23 | 21 28 | 6 15 | 12 3 | 7 46 | M 6 |
| T 7 | 5 4 | 6 24 | 4 59 | 0 7 | 3 36 | 14 54 | 0 33 | 13 12 | 0 11 | 22 32 | 0 25 | 6 42 | 1 57 | 11 29 | 0 37 | 19 26 | 0 40 | 2 58 | 16 22 | 21 22 | 21 28 | 6 17 | 12 4 | 7 45 | T 7 |
| W 8 | 4 41 | 0 52 | 4 57 | 0s14 | 3 39 | 14 33 | 0 35 | 13 28 | 0 12 | 22 32 | 0 25 | 6 44 | 1 57 | 11 29 | 0 37 | 19 25 | 0 40 | 2 58 | 16 22 | 21 20 | 21 27 | 6 19 | 12 5 | 7 45 | W 8 |
| T 9 | 4 17 | 4n45 | 4 33 | 0 38 | 3 40 | 14 11 | 0 38 | 13 43 | 0 13 | 22 31 | 0 25 | 6 46 | 1 57 | 11 28 | 0 37 | 19 25 | 0 40 | 2 57 | 16 23 | 21 18 | 21 27 | 6 22 | 12 6 | 7 44 | T 9 |
| F 10 | 3 54 | 10 3 | 3 51 | 1 4 | 3 38 | 13 48 | 0 40 | 13 58 | 0 13 | 22 31 | 0 25 | 6 48 | 1 57 | 11 27 | 0 37 | 19 25 | 0 40 | 2 57 | 16 23 | 21 16 | 21 26 | 6 24 | 12 7 | 7 44 | F 10 |
| S 11 | 3 30 | 14 40 | 2 52 | 1 33 | 3 35 | 13 26 | 0 43 | 14 13 | 0 14 | 22 30 | 0 25 | 6 50 | 1 57 | 11 27 | 0 37 | 19 24 | 0 40 | 2 56 | 16 24 | 21 15 | 21 26 | 6 26 | 12 8 | 7 43 | S 11 |
| S 12 | 3 6 | 18 16 | 1 44 | 2 3 | 3 29 | 13 3 | 0 45 | 14 28 | 0 15 | 22 29 | 0 25 | 6 52 | 1 57 | 11 26 | 0 37 | 19 24 | 0 40 | 2 56 | 16 24 | 21 15 | 21 25 | 6 28 | 12 9 | 7 42 | S 12 |
| M13 | 2 43 | 20 38 | 0 31 | 2 34 | 3 22 | 12 39 | 0 47 | 14 42 | 0 16 | 22 29 | 0 25 | 6 54 | 1 57 | 11 26 | 0 37 | 19 24 | 0 40 | 2 55 | 16 25 | 21 14 | 21 25 | 6 31 | 12 10 | 7 42 | M13 |
| T 14 | 2 19 | 21 41 | 0s41 | 3 4 | 3 13 | 12 16 | 0 50 | 14 57 | 0 16 | 22 28 | 0 25 | 6 56 | 1 57 | 11 25 | 0 37 | 19 23 | 0 40 | 2 55 | 16 25 | 21 14 | 21 24 | 6 33 | 12 11 | 7 41 | T 14 |
| W15 | 1 55 | 21 27 | 1 50 | 3 34 | 3 2 | 11 51 | 0 52 | 15 11 | 0 17 | 22 28 | 0 25 | 6 58 | 1 57 | 11 24 | 0 37 | 19 23 | 0 40 | 2 54 | 16 26 | 21 14 | 21 24 | 6 35 | 12 12 | 7 41 | W15 |
| T 16 | 1 31 | 20 5 | 2 51 | 4 2 | 2 50 | 11 27 | 0 54 | 15 25 | 0 18 | 22 27 | 0 25 | 6 59 | 1 57 | 11 24 | 0 38 | 19 23 | 0 40 | 2 53 | 16 26 | 21 14 | 21 23 | 6 37 | 12 13 | 7 40 | T 16 |
| F 17 | 1 7 | 17 43 | 3 41 | 4 29 | 2 37 | 11 2 | 0 56 | 15 39 | 0 19 | 22 26 | 0 25 | 7 1 | 1 57 | 11 23 | 0 38 | 19 22 | 0 40 | 2 53 | 16 27 | 21 14 | 21 23 | 6 40 | 12 14 | 7 39 | F 17 |
| S 18 | 0 44 | 14 36 | 4 21 | 4 54 | 2 24 | 10 37 | 0 58 | 15 53 | 0 19 | 22 26 | 0 25 | 7 3 | 1 57 | 11 22 | 0 38 | 19 22 | 0 40 | 2 52 | 16 27 | 21 13 | 21 22 | 6 42 | 12 15 | 7 39 | S 18 |
| S 19 | 0 20 | 10 53 | 4 47 | 5 17 | 2 10 | 10 12 | 1 0 | 16 7 | 0 20 | 22 25 | 0 25 | 7 5 | 1 58 | 11 22 | 0 38 | 19 22 | 0 41 | 2 52 | 16 27 | 21 11 | 21 22 | 6 44 | 12 16 | 7 38 | S 19 |
| M20 | 0n 4 | 6 48 | 5 1 | 5 37 | 1 56 | 9 46 | 1 2 | 16 21 | 0 21 | 22 25 | 0 25 | 7 7 | 1 58 | 11 21 | 0 38 | 19 21 | 0 41 | 2 51 | 16 28 | 21 9 | 21 21 | 6 46 | 12 17 | 7 37 | M20 |
| T 21 | 0 28 | 2 29 | 5 1 | 5 55 | 1 41 | 9 20 | 1 4 | 16 34 | 0 21 | 22 24 | 0 25 | 7 9 | 1 58 | 11 20 | 0 38 | 19 21 | 0 41 | 2 50 | 16 28 | 21 7 | 21 20 | 6 49 | 12 18 | 7 37 | T 21 |
| W22 | 0 51 | 1s54 | 4 47 | 6 10 | 1 27 | 8 54 | 1 6 | 16 47 | 0 22 | 22 24 | 0 25 | 7 10 | 1 58 | 11 19 | 0 38 | 19 21 | 0 41 | 2 50 | 16 29 | 21 5 | 21 20 | 6 51 | 12 19 | 7 36 | W22 |
| T 23 | 1 15 | 6 12 | 4 22 | 6 23 | 1 13 | 8 28 | 1 7 | 17 0 | 0 23 | 22 23 | 0 25 | 7 12 | 1 58 | 11 19 | 0 38 | 19 21 | 0 41 | 2 49 | 16 29 | 21 3 | 21 19 | 6 53 | 12 20 | 7 35 | T 23 |
| F 24 | 1 39 | 10 16 | 3 45 | 6 34 | 0 58 | 8 1 | 1 9 | 17 13 | 0 23 | 22 22 | 0 25 | 7 14 | 1 58 | 11 18 | 0 38 | 19 20 | 0 41 | 2 49 | 16 30 | 21 1 | 21 19 | 6 55 | 12 21 | 7 35 | F 24 |
| S 25 | 2 3 | 13 55 | 2 58 | 6 42 | 0 45 | 7 34 | 1 11 | 17 26 | 0 24 | 22 22 | 0 25 | 7 16 | 1 58 | 11 17 | 0 38 | 19 20 | 0 41 | 2 48 | 16 30 | 21 0 | 21 18 | 6 58 | 12 21 | 7 34 | S 25 |
| S 26 | 2 26 | 17 2 | 2 3 | 6 47 | 0 31 | 7 7 | 1 12 | 17 39 | 0 25 | 22 21 | 0 25 | 7 17 | 1 58 | 11 16 | 0 38 | 19 20 | 0 41 | 2 47 | 16 30 | 20 59 | 21 18 | 7 0 | 12 22 | 7 33 | S 26 |
| M27 | 2 50 | 19 27 | 1 2 | 6 51 | 0 18 | 6 40 | 1 14 | 17 51 | 0 25 | 22 21 | 0 25 | 7 19 | 1 58 | 11 15 | 0 38 | 19 19 | 0 41 | 2 47 | 16 31 | 20 58 | 21 17 | 7 2 | 12 23 | 7 33 | M27 |
| T 28 | 3 13 | 21 1 | 0n 3 | 6 51 | 0 5 | 6 13 | 1 15 | 18 3 | 0 26 | 22 20 | 0 25 | 7 21 | 1 58 | 11 15 | 0 38 | 19 19 | 0 41 | 2 46 | 16 31 | 20 58 | 21 17 | 7 4 | 12 24 | 7 32 | T 28 |
| W29 | 3 37 | 21 36 | 1 8 | 6 50 | 0s 7 | 5 45 | 1 17 | 18 15 | 0 27 | 22 20 | 0 25 | 7 22 | 1 58 | 11 14 | 0 38 | 19 19 | 0 41 | 2 46 | 16 32 | 20 58 | 21 16 | 7 6 | 12 25 | 7 31 | W29 |
| T 30 | 4 0 | 21 7 | 2 12 | 6 47 | 0 19 | 5 17 | 1 18 | 18 27 | 0 27 | 22 19 | 0 25 | 7 24 | 1 58 | 11 13 | 0 38 | 19 19 | 0 41 | 2 45 | 16 32 | 20 58 | 21 16 | 7 9 | 12 26 | 7 31 | T 30 |
| F 31 | 4n23 | 19s31 | 3n11 | 6s42 | 0s30 | 4s49 | 1s19 | 18n39 | 0n28 | 22s19 | 0n24 | 7n25 | 1n57 | 11s12 | 0n38 | 19s18 | 0n41 | 2s44 | 16n32 | 20s58 | 21s15 | 7s11 | 12n26 | 7s30 | F 31 |

Julian Day Number = 2809542.5, Delta T = 52m44s
Ecliptic obliquity = 23°18'41, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°27'40, Lahiri = 37°34'40


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# ASTRODIENST EPHEMERIS for the year 2980
# geocentric

## APRIL 2980 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 41 30 | 12♈ 9'02 | 26♉23 | 14♓51 | 22♓ 5 | 22♉49 | 12♉38 | 15°R37 | 1°R 3 | 0♒21 | 24°R35 | 4°R43 | 6♐17 | 8♎ 6 | 1°R18 | S 1 |
| S 2 | 12 45 26 | 13° 8'47 | 10♒11 | 15°39 | 23°20 | 23°32 | 12°43 | 15♍32 | 1♏ 1 | 0°22 | 24♏34 | 4♐40 | 6°14 | 8°13 | 1♌18 | S 2 |
| M 3 | 12 49 23 | 14° 8'30 | 24°28 | 16°31 | 24°34 | 24°15 | 12°48 | 15°29 | 0°58 | 0°23 | 24°33 | 4°35 | 6°11 | 8°19 | 1°D18 | M 3 |
| T 4 | 12 53 19 | 15° 8'11 | 9♓12 | 17°26 | 25°48 | 24°58 | 12°53 | 15°25 | 0°56 | 0°24 | 24°32 | 4°29 | 6° 8 | 8°26 | 1°18 | T 4 |
| W 5 | 12 57 16 | 16° 7'50 | 24°16 | 18°24 | 27° 3 | 25°40 | 12°57 | 15°21 | 0°53 | 0°25 | 24°31 | 4°21 | 6° 5 | 8°33 | 1°18 | W 5 |
| T 6 | 13 1 12 | 17° 7'27 | 9♈32 | 19°25 | 28°17 | 26°23 | 13° 2 | 15°17 | 0°51 | 0°26 | 24°29 | 4°14 | 6° 2 | 8°39 | 1°19 | T 6 |
| F 7 | 13 5 9 | 18° 7'03 | 24°48 | 20°28 | 29°31 | 27° 6 | 13° 6 | 15°13 | 0°48 | 0°27 | 24°28 | 4° 8 | 5°58 | 8°46 | 1°19 | F 7 |
| S 8 | 13 9 5 | 19° 6'36 | 9♉55 | 21°34 | 0♈46 | 27°48 | 13°10 | 15°10 | 0°46 | 0°28 | 24°27 | 4° 3 | 5°55 | 8°53 | 1°19 | S 8 |
| S 9 | 13 13 2 | 20° 6'08 | 24°43 | 22°42 | 2° 0 | 28°31 | 13°13 | 15° 6 | 0°43 | 0°28 | 24°25 | 4° 1 | 5°52 | 9° 0 | 1°20 | S 9 |
| M10 | 13 16 59 | 21° 5'37 | 9♊ 6 | 23°52 | 3°14 | 29°13 | 13°17 | 15° 3 | 0°41 | 0°29 | 24°24 | 4°D 1 | 5°49 | 9° 6 | 1°20 | M10 |
| T 11 | 13 20 55 | 22° 5'04 | 23° 1 | 25° 5 | 4°29 | 29°56 | 13°21 | 14°59 | 0°38 | 0°30 | 24°23 | 4° 2 | 5°46 | 9°13 | 1°21 | T 11 |
| W12 | 13 24 52 | 23° 4'29 | 6♋29 | 26°19 | 5°43 | 0♊38 | 13°24 | 14°56 | 0°36 | 0°30 | 24°21 | 4° 3 | 5°42 | 9°20 | 1°22 | W12 |
| T 13 | 13 28 48 | 24° 3'52 | 19°32 | 27°36 | 6°57 | 1°21 | 13°27 | 14°53 | 0°33 | 0°31 | 24°20 | 4°R 4 | 5°39 | 9°26 | 1°23 | T 13 |
| F 14 | 13 32 45 | 25° 3'12 | 2♌13 | 28°54 | 8°11 | 2° 3 | 13°30 | 14°50 | 0°31 | 0°32 | 24°19 | 4° 4 | 5°36 | 9°33 | 1°24 | F 14 |
| S 15 | 13 36 41 | 26° 2'30 | 14°36 | 0♈14 | 9°26 | 2°45 | 13°33 | 14°47 | 0°28 | 0°32 | 24°17 | 4° 2 | 5°33 | 9°40 | 1°25 | S 15 |
| S 16 | 13 40 38 | 27° 1'46 | 26°46 | 1°36 | 10°40 | 3°28 | 13°35 | 14°44 | 0°25 | 0°33 | 24°16 | 3°59 | 5°30 | 9°46 | 1°26 | S 16 |
| M17 | 13 44 34 | 28° 0'59 | 8♍46 | 2°59 | 11°54 | 4°10 | 13°38 | 14°41 | 0°23 | 0°33 | 24°14 | 3°54 | 5°27 | 9°53 | 1°27 | M17 |
| T 18 | 13 48 31 | 29° 0'10 | 20°41 | 4°25 | 13° 8 | 4°52 | 13°40 | 14°38 | 0°20 | 0°34 | 24°13 | 3°48 | 5°23 | 10° 0 | 1°29 | T 18 |
| W19 | 13 52 28 | 29°59'19 | 2♎32 | 5°51 | 14°23 | 5°34 | 13°42 | 14°35 | 0°18 | 0°34 | 24°11 | 3°42 | 5°20 | 10° 7 | 1°30 | W19 |
| T 20 | 13 56 24 | 0♉58'26 | 14°23 | 7°20 | 15°37 | 6°16 | 13°44 | 14°33 | 0°15 | 0°35 | 24°10 | 3°35 | 5°17 | 10°13 | 1°32 | T 20 |
| F 21 | 14 0 21 | 1°57'31 | 26°15 | 8°50 | 16°51 | 6°58 | 13°45 | 14°30 | 0°13 | 0°35 | 24° 8 | 3°30 | 5°14 | 10°20 | 1°33 | F 21 |
| S 22 | 14 4 17 | 2°56'34 | 8♏10 | 10°22 | 18° 5 | 7°41 | 13°47 | 14°28 | 0°10 | 0°35 | 24° 7 | 3°26 | 5°11 | 10°27 | 1°35 | S 22 |
| S 23 | 14 8 14 | 3°55'35 | 20°11 | 11°55 | 19°19 | 8°22 | 13°48 | 14°26 | 0° 7 | 0°36 | 24° 5 | 3°24 | 5° 8 | 10°33 | 1°37 | S 23 |
| M24 | 14 12 10 | 4°54'34 | 2♐18 | 13°30 | 20°33 | 9° 4 | 13°49 | 14°23 | 0° 5 | 0°36 | 24° 4 | 3°D23 | 5° 4 | 10°40 | 1°39 | M24 |
| T 25 | 14 16 7 | 5°53'32 | 14°34 | 15° 6 | 21°48 | 9°46 | 13°50 | 14°21 | 0° 2 | 0°36 | 24° 2 | 3°24 | 5° 1 | 10°47 | 1°41 | T 25 |
| W26 | 14 20 3 | 6°52'27 | 27° 2 | 16°44 | 23° 2 | 10°28 | 13°51 | 14°19 | 29♎59 | 0°36 | 24° 1 | 3°25 | 4°58 | 10°53 | 1°43 | W26 |
| T 27 | 14 24 0 | 7°51'21 | 9♑45 | 18°24 | 24°16 | 11°10 | 13°51 | 14°17 | 29°57 | 0°36 | 23°59 | 3°27 | 4°55 | 11° 0 | 1°45 | T 27 |
| F 28 | 14 27 57 | 8°50'13 | 22°45 | 20° 5 | 25°30 | 11°52 | 13°52 | 14°16 | 29°54 | 0°37 | 23°57 | 3°28 | 4°52 | 11° 7 | 1°47 | F 28 |
| S 29 | 14 31 53 | 9°49'03 | 6♒ 4 | 21°47 | 26°44 | 12°33 | 13°R52 | 14°14 | 29°52 | 0°37 | 23°56 | 3°R29 | 4°48 | 11°13 | 1°50 | S 29 |
| S 30 | 14 35 50 | 10♉47'52 | 19♒46 | 23♈31 | 27♈58 | 13♊15 | 13♑52 | 14♍12 | 29♎49 | 0♒37 | 23♏54 | 3♐29 | 4♐45 | 11♎20 | 1♌52 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n47 | 16s49 | 4n 1 | 6s34 | 0s41 | 4s21 | 1s20 | 18n50 | 0n29 | 22s19 | 0n24 | 7n27 | 1n57 | 11s11 | 0n38 | 19s18 | 0n41 | 2s44 | 16n33 | 20s58 | 21s15 | 7s13 | 12n27 | 7s29 |
| S 2 | 5 10 | 13 6 | 4 40 | 6 25 | 0 52 | 3 53 | 1 22 | 19 2 | 0 29 | 22 18 | 0 24 | 7 29 | 1 57 | 11 11 | 0 38 | 19 18 | 0 41 | 2 43 | 16 33 | 20 58 | 21 14 | 7 15 | 12 28 | 7 28 |
| M 3 | 5 33 | 8 32 | 5 3 | 6 14 | 1 1 | 3 25 | 1 23 | 19 13 | 0 30 | 22 18 | 0 24 | 7 30 | 1 57 | 11 10 | 0 38 | 19 18 | 0 41 | 2 43 | 16 33 | 20 57 | 21 14 | 7 18 | 12 28 | 7 28 |
| T 4 | 5 56 | 3 21 | 5 6 | 6 2 | 1 11 | 2 56 | 1 24 | 19 24 | 0 31 | 22 17 | 0 24 | 7 32 | 1 57 | 11 9 | 0 38 | 19 18 | 0 41 | 2 42 | 16 34 | 20 55 | 21 13 | 7 20 | 12 29 | 7 27 |
| W 5 | 6 19 | 2n10 | 4 49 | 5 47 | 1 20 | 2 28 | 1 25 | 19 35 | 0 31 | 22 17 | 0 24 | 7 33 | 1 57 | 11 8 | 0 38 | 19 17 | 0 41 | 2 41 | 16 34 | 20 54 | 21 12 | 7 22 | 12 30 | 7 26 |
| T 6 | 6 41 | 7 37 | 4 11 | 5 31 | 1 28 | 1 59 | 1 25 | 19 45 | 0 32 | 22 16 | 0 24 | 7 34 | 1 57 | 11 7 | 0 38 | 19 17 | 0 41 | 2 41 | 16 34 | 20 53 | 21 12 | 7 24 | 12 30 | 7 26 |
| F 7 | 7 4 | 12 35 | 3 16 | 5 14 | 1 36 | 1 31 | 1 26 | 19 56 | 0 32 | 22 16 | 0 24 | 7 36 | 1 57 | 11 6 | 0 38 | 19 17 | 0 41 | 2 40 | 16 35 | 20 52 | 21 11 | 7 26 | 12 31 | 7 25 |
| S 8 | 7 27 | 16 43 | 2 7 | 4 55 | 1 43 | 1 2 | 1 27 | 20 6 | 0 33 | 22 16 | 0 24 | 7 37 | 1 57 | 11 5 | 0 38 | 19 17 | 0 41 | 2 40 | 16 35 | 20 51 | 21 11 | 7 29 | 12 32 | 7 24 |
| S 9 | 7 49 | 19 39 | 0 50 | 4 34 | 1 50 | 0 33 | 1 28 | 20 16 | 0 34 | 22 15 | 0 24 | 7 38 | 1 57 | 11 5 | 0 38 | 19 17 | 0 41 | 2 39 | 16 35 | 20 50 | 21 10 | 7 31 | 12 32 | 7 23 |
| M10 | 8 11 | 21 15 | 0s28 | 4 12 | 1 56 | 0 4 | 1 28 | 20 26 | 0 34 | 22 15 | 0 24 | 7 40 | 1 57 | 11 4 | 0 38 | 19 17 | 0 41 | 2 39 | 16 36 | 20 50 | 21 10 | 7 33 | 12 33 | 7 23 |
| T 11 | 8 33 | 21 27 | 1 41 | 3 49 | 2 2 | 0n25 | 1 29 | 20 36 | 0 35 | 22 15 | 0 24 | 7 41 | 1 57 | 11 3 | 0 38 | 19 16 | 0 41 | 2 38 | 16 36 | 20 50 | 21 9 | 7 35 | 12 33 | 7 22 |
| W12 | 8 55 | 20 22 | 2 47 | 3 24 | 2 8 | 0 53 | 1 29 | 20 45 | 0 35 | 22 14 | 0 24 | 7 42 | 1 57 | 11 2 | 0 38 | 19 16 | 0 41 | 2 37 | 16 36 | 20 51 | 21 9 | 7 37 | 12 34 | 7 21 |
| T 13 | 9 17 | 18 14 | 3 42 | 2 59 | 2 12 | 1 22 | 1 30 | 20 54 | 0 36 | 22 14 | 0 24 | 7 43 | 1 57 | 11 1 | 0 38 | 19 16 | 0 41 | 2 37 | 16 36 | 20 51 | 21 8 | 7 39 | 12 34 | 7 21 |
| F 14 | 9 39 | 15 16 | 4 24 | 2 32 | 2 17 | 1 51 | 1 30 | 21 3 | 0 36 | 22 14 | 0 24 | 7 44 | 1 57 | 11 0 | 0 38 | 19 16 | 0 41 | 2 36 | 16 37 | 20 51 | 21 7 | 7 42 | 12 35 | 7 20 |
| S 15 | 10 0 | 11 41 | 4 53 | 2 4 | 2 21 | 2 20 | 1 30 | 21 12 | 0 37 | 22 14 | 0 24 | 7 46 | 1 57 | 10 59 | 0 38 | 19 16 | 0 41 | 2 36 | 16 37 | 20 51 | 21 7 | 7 44 | 12 35 | 7 19 |
| S 16 | 10 22 | 7 41 | 5 8 | 1 34 | 2 24 | 2 49 | 1 30 | 21 21 | 0 37 | 22 13 | 0 24 | 7 47 | 1 57 | 10 58 | 0 38 | 19 16 | 0 41 | 2 35 | 16 37 | 20 50 | 21 6 | 7 46 | 12 36 | 7 18 |
| M17 | 10 43 | 3 27 | 5 10 | 1 4 | 2 27 | 3 17 | 1 31 | 21 29 | 0 38 | 22 13 | 0 24 | 7 48 | 1 56 | 10 57 | 0 38 | 19 16 | 0 41 | 2 35 | 16 37 | 20 49 | 21 6 | 7 48 | 12 36 | 7 18 |
| T 18 | 11 4 | 0s53 | 4 58 | 0 32 | 2 29 | 3 46 | 1 31 | 21 38 | 0 39 | 22 13 | 0 24 | 7 49 | 1 56 | 10 57 | 0 38 | 19 15 | 0 41 | 2 34 | 16 38 | 20 48 | 21 5 | 7 50 | 12 37 | 7 17 |
| W19 | 11 24 | 5 10 | 4 33 | 0n 0 | 2 31 | 4 15 | 1 31 | 21 46 | 0 39 | 22 13 | 0 24 | 7 50 | 1 56 | 10 56 | 0 38 | 19 15 | 0 41 | 2 34 | 16 38 | 20 47 | 21 5 | 7 52 | 12 37 | 7 16 |
| T 20 | 11 45 | 9 16 | 3 56 | 0 34 | 2 32 | 4 43 | 1 30 | 21 53 | 0 40 | 22 13 | 0 24 | 7 50 | 1 56 | 10 55 | 0 38 | 19 15 | 0 41 | 2 33 | 16 38 | 20 46 | 21 4 | 7 55 | 12 37 | 7 16 |
| F 21 | 12 5 | 13 1 | 3 9 | 1 8 | 2 33 | 5 12 | 1 30 | 22 1 | 0 40 | 22 13 | 0 24 | 7 51 | 1 56 | 10 54 | 0 38 | 19 15 | 0 41 | 2 33 | 16 38 | 20 45 | 21 4 | 7 57 | 12 38 | 7 15 |
| S 22 | 12 26 | 16 16 | 2 14 | 1 44 | 2 33 | 5 40 | 1 30 | 22 8 | 0 41 | 22 12 | 0 24 | 7 52 | 1 56 | 10 53 | 0 38 | 19 15 | 0 41 | 2 32 | 16 38 | 20 44 | 21 3 | 7 59 | 12 38 | 7 14 |
| S 23 | 12 46 | 18 51 | 1 12 | 2 20 | 2 33 | 6 8 | 1 30 | 22 16 | 0 41 | 22 12 | 0 24 | 7 53 | 1 56 | 10 52 | 0 38 | 19 15 | 0 41 | 2 31 | 16 39 | 20 43 | 21 2 | 8 1 | 12 38 | 7 13 |
| M24 | 13 5 | 20 36 | 0 6 | 2 57 | 2 33 | 6 36 | 1 29 | 22 23 | 0 42 | 22 12 | 0 24 | 7 54 | 1 56 | 10 51 | 0 38 | 19 15 | 0 41 | 2 31 | 16 39 | 20 43 | 21 2 | 8 3 | 12 39 | 7 13 |
| T 25 | 13 25 | 21 25 | 1n 1 | 3 35 | 2 31 | 7 4 | 1 29 | 22 29 | 0 42 | 22 12 | 0 24 | 7 54 | 1 56 | 10 50 | 0 38 | 19 15 | 0 41 | 2 30 | 16 39 | 20 43 | 21 1 | 8 5 | 12 39 | 7 12 |
| W26 | 13 44 | 21 10 | 2 6 | 4 14 | 2 30 | 7 32 | 1 29 | 22 36 | 0 43 | 22 12 | 0 24 | 7 55 | 1 56 | 10 49 | 0 38 | 19 15 | 0 41 | 2 30 | 16 39 | 20 44 | 21 1 | 8 8 | 12 39 | 7 11 |
| T 27 | 14 3 | 19 51 | 3 7 | 4 54 | 2 28 | 8 0 | 1 28 | 22 42 | 0 43 | 22 12 | 0 24 | 7 56 | 1 56 | 10 48 | 0 38 | 19 15 | 0 41 | 2 29 | 16 39 | 20 44 | 21 0 | 8 10 | 12 39 | 7 11 |
| F 28 | 14 22 | 17 28 | 3 59 | 5 34 | 2 25 | 8 27 | 1 27 | 22 49 | 0 43 | 22 12 | 0 24 | 7 56 | 1 55 | 10 48 | 0 38 | 19 15 | 0 41 | 2 29 | 16 39 | 20 44 | 21 0 | 8 12 | 12 40 | 7 10 |
| S 29 | 14 41 | 14 8 | 4 40 | 6 15 | 2 22 | 8 54 | 1 27 | 22 54 | 0 44 | 22 12 | 0 24 | 7 57 | 1 55 | 10 47 | 0 38 | 19 15 | 0 41 | 2 29 | 16 39 | 20 44 | 20 59 | 8 14 | 12 40 | 7 9 |
| S 30 | 14n59 | 9s57 | 5n 6 | 6n57 | 2s18 | 9n21 | 1s26 | 23n 0 | 0n44 | 22s12 | 0n24 | 7n57 | 1n55 | 10s46 | 0n38 | 19s15 | 0n41 | 2s28 | 16n40 | 20s44 | 20s58 | 8s16 | 12n40 | 7s 9 |

Julian Day Number = 2809573.5, Delta T = 52m45s
Ecliptic obliquity = 23°18'41, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°27'44, Lahiri = 37°34'44


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# ASTRODIENST EPHEMERIS for the year 2980
# geocentric

## MAY 2980 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 39 46 | 11♉46'39 | 3♓51 | 25♈17 | 29♈12 | 13♊57 | 13°R52 | 14°R11 | 29°R47 | 0°R37 | 23°R52 | 3°R27 | 4♐42 | 11♎27 | 1♌55 | M 1 |
| T 2 | 14 43 43 | 12°45'24 | 18°18 | 27° 4 | 0♉27 | 14°38 | 13♋51 | 14♍ 9 | 29♎44 | 0♒37 | 23♏51 | 3♐25 | 4°39 | 11°34 | 1°57 | T 2 |
| W 3 | 14 47 39 | 13°44'08 | 3♈ 3 | 28°53 | 1°41 | 15°20 | 13°51 | 14° 8 | 29°42 | 0°37 | 23°49 | 3°23 | 4°36 | 11°40 | 2° 0 | W 3 |
| T 4 | 14 51 36 | 14°42'50 | 18° 1 | 0♉44 | 2°55 | 16° 2 | 13°50 | 14° 7 | 29°39 | 0°37 | 23°47 | 3°20 | 4°33 | 11°47 | 2° 3 | T 4 |
| F 5 | 14 55 32 | 15°41'30 | 3♉ 3 | 2°36 | 4° 9 | 16°43 | 13°49 | 14° 6 | 29°37 | 0°37 | 23°46 | 3°18 | 4°29 | 11°54 | 2° 5 | F 5 |
| S 6 | 14 59 29 | 16°40'09 | 18° 1 | 4°30 | 5°23 | 17°25 | 13°48 | 14° 5 | 29°34 | 0°36 | 23°44 | 3°17 | 4°26 | 12° 0 | 2° 8 | S 6 |
| S 7 | 15 3 26 | 17°38'46 | 2♊46 | 6°25 | 6°37 | 18° 6 | 13°46 | 14° 4 | 29°32 | 0°36 | 23°42 | 3°D17 | 4°23 | 12° 7 | 2°11 | S 7 |
| M 8 | 15 7 22 | 18°37'20 | 17°11 | 8°22 | 7°51 | 18°47 | 13°45 | 14° 3 | 29°30 | 0°36 | 23°41 | 3°17 | 4°20 | 12°14 | 2°15 | M 8 |
| T 9 | 15 11 19 | 19°35'53 | 1♋13 | 10°20 | 9° 5 | 19°29 | 13°43 | 14° 2 | 29°27 | 0°36 | 23°39 | 3°18 | 4°17 | 12°20 | 2°18 | T 9 |
| W10 | 15 15 15 | 20°34'24 | 14°48 | 12°21 | 10°19 | 20°10 | 13°41 | 14° 2 | 29°25 | 0°36 | 23°37 | 3°19 | 4°13 | 12°27 | 2°21 | W10 |
| T 11 | 15 19 12 | 21°32'53 | 27°58 | 14°22 | 11°33 | 20°51 | 13°39 | 14° 1 | 29°23 | 0°35 | 23°36 | 3°20 | 4°10 | 12°34 | 2°24 | T 11 |
| F 12 | 15 23 8 | 22°31'19 | 10♌44 | 16°25 | 12°47 | 21°32 | 13°37 | 14° 1 | 29°20 | 0°35 | 23°34 | 3°21 | 4° 7 | 12°41 | 2°28 | F 12 |
| S 13 | 15 27 5 | 23°29'43 | 23°11 | 18°29 | 14° 1 | 22°14 | 13°34 | 14° 1 | 29°18 | 0°35 | 23°32 | 3°R21 | 4° 4 | 12°47 | 2°31 | S 13 |
| S 14 | 15 31 1 | 24°28'06 | 5♍22 | 20°35 | 15°15 | 22°55 | 13°32 | 14° 0 | 29°16 | 0°34 | 23°31 | 3°21 | 4° 1 | 12°54 | 2°35 | S 14 |
| M15 | 15 34 58 | 25°26'26 | 17°22 | 22°42 | 16°29 | 23°36 | 13°29 | 14°D 0 | 29°13 | 0°34 | 23°29 | 3°20 | 3°58 | 13° 1 | 2°39 | M15 |
| T 16 | 15 38 55 | 26°24'44 | 29°15 | 24°50 | 17°43 | 24°17 | 13°26 | 14° 0 | 29°11 | 0°33 | 23°27 | 3°19 | 3°54 | 13° 7 | 2°42 | T 16 |
| W17 | 15 42 51 | 27°23'00 | 11♎ 6 | 26°59 | 18°57 | 24°58 | 13°23 | 14° 1 | 29° 9 | 0°33 | 23°26 | 3°18 | 3°51 | 13°14 | 2°46 | W17 |
| T 18 | 15 46 48 | 28°21'15 | 22°57 | 29° 8 | 20°11 | 25°39 | 13°19 | 14° 1 | 29° 7 | 0°32 | 23°24 | 3°18 | 3°48 | 13°21 | 2°50 | T 18 |
| F 19 | 15 50 44 | 29°19'27 | 4♏52 | 1♊18 | 21°25 | 26°20 | 13°16 | 14° 1 | 29° 5 | 0°32 | 23°22 | 3°17 | 3°45 | 13°27 | 2°54 | F 19 |
| S 20 | 15 54 41 | 0♊17'38 | 16°54 | 3°28 | 22°39 | 27° 1 | 13°12 | 14° 2 | 29° 3 | 0°31 | 23°21 | 3°17 | 3°42 | 13°34 | 2°58 | S 20 |
| S 21 | 15 58 37 | 1°15'47 | 29° 5 | 5°38 | 23°53 | 27°42 | 13° 8 | 14° 2 | 29° 0 | 0°31 | 23°19 | 3°D17 | 3°39 | 13°41 | 3° 2 | S 21 |
| M22 | 16 2 34 | 2°13'55 | 11♐26 | 7°48 | 25° 7 | 28°22 | 13° 4 | 14° 3 | 28°58 | 0°30 | 23°17 | 3°17 | 3°35 | 13°47 | 3° 6 | M22 |
| T 23 | 16 6 30 | 3°12'01 | 23°59 | 9°57 | 26°21 | 29° 3 | 13° 0 | 14° 4 | 28°56 | 0°29 | 23°16 | 3°R17 | 3°32 | 13°54 | 3°11 | T 23 |
| W24 | 16 10 27 | 4°10'05 | 6♑45 | 12° 5 | 27°35 | 29°44 | 12°56 | 14° 5 | 28°54 | 0°29 | 23°14 | 3°17 | 3°29 | 14° 1 | 3°15 | W24 |
| T 25 | 16 14 24 | 5° 8'08 | 19°45 | 14°12 | 28°49 | 0♋25 | 12°51 | 14° 6 | 28°53 | 0°28 | 23°12 | 3°17 | 3°26 | 14° 7 | 3°19 | T 25 |
| F 26 | 16 18 20 | 6° 6'09 | 2♒59 | 16°17 | 0♊ 2 | 1° 5 | 12°47 | 14° 7 | 28°51 | 0°27 | 23°11 | 3°16 | 3°23 | 14°14 | 3°24 | F 26 |
| S 27 | 16 22 17 | 7° 4'09 | 16°28 | 18°21 | 1°16 | 1°46 | 12°42 | 14° 8 | 28°49 | 0°26 | 23° 9 | 3°16 | 3°19 | 14°21 | 3°28 | S 27 |
| S 28 | 16 26 13 | 8° 2'08 | 0♓12 | 20°23 | 2°30 | 2°27 | 12°37 | 14°10 | 28°47 | 0°26 | 23° 7 | 3°16 | 3°16 | 14°28 | 3°33 | S 28 |
| M29 | 16 30 10 | 9° 0'06 | 14°12 | 22°22 | 3°44 | 3° 7 | 12°32 | 14°11 | 28°45 | 0°25 | 23° 6 | 3°D16 | 3°13 | 14°34 | 3°38 | M29 |
| T 30 | 16 34 6 | 9°58'02 | 28°25 | 24°19 | 4°58 | 3°48 | 12°26 | 14°13 | 28°43 | 0°24 | 23° 4 | 3°16 | 3°10 | 14°41 | 3°42 | T 30 |
| W31 | 16 38 3 | 10♊55'58 | 12♈51 | 26♊13 | 6♊12 | 4♋28 | 12♋21 | 14♍14 | 28♎42 | 0♒23 | 23♏ 2 | 3♐17 | 3♐ 7 | 14♎48 | 3♌47 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15n17 | 5s 9 | 5n15 | 7n39 | 2s14 | 9n48 | 1s25 | 23n 6 | 0n45 | 22s12 | 0n23 | 7n58 | 1n55 | 10s45 | 0n38 | 19s15 | 0n41 | 2s28 | 16n40 | 20s44 | 20s58 | 8s18 | 12n40 | 7s 8 |
| T 2 | 15 35 | 0n 4 | 5 5 | 8 22 | 2 10 | 10 15 | 1 24 | 23 11 | 0 45 | 22 12 | 0 23 | 7 58 | 1 55 | 10 44 | 0 38 | 19 15 | 0 41 | 2 27 | 16 40 | 20 44 | 20 57 | 8 20 | 12 40 | 7 7 |
| W 3 | 15 53 | 5 24 | 4 34 | 9 5 | 2 4 | 10 41 | 1 23 | 23 16 | 0 46 | 22 12 | 0 23 | 7 59 | 1 55 | 10 43 | 0 37 | 19 15 | 0 41 | 2 27 | 16 40 | 20 43 | 20 57 | 8 23 | 12 40 | 7 7 |
| T 4 | 16 10 | 10 29 | 3 45 | 9 49 | 1 59 | 11 7 | 1 23 | 23 21 | 0 46 | 22 13 | 0 23 | 7 59 | 1 55 | 10 42 | 0 37 | 19 15 | 0 41 | 2 26 | 16 40 | 20 43 | 20 56 | 8 25 | 12 40 | 7 6 |
| F 5 | 16 27 | 14 58 | 2 39 | 10 33 | 1 53 | 11 33 | 1 21 | 23 26 | 0 47 | 22 13 | 0 23 | 7 59 | 1 55 | 10 42 | 0 37 | 19 15 | 0 41 | 2 26 | 16 40 | 20 42 | 20 55 | 8 27 | 12 40 | 7 5 |
| S 6 | 16 44 | 18 26 | 1 23 | 11 17 | 1 46 | 11 59 | 1 20 | 23 30 | 0 47 | 22 13 | 0 23 | 8 0 | 1 54 | 10 41 | 0 37 | 19 15 | 0 41 | 2 25 | 16 40 | 20 42 | 20 55 | 8 29 | 12 40 | 7 5 |
| S 7 | 17 0 | 20 39 | 0 3 | 12 2 | 1 39 | 12 24 | 1 19 | 23 34 | 0 48 | 22 13 | 0 23 | 8 0 | 1 54 | 10 40 | 0 37 | 19 15 | 0 41 | 2 25 | 16 40 | 20 42 | 20 54 | 8 31 | 12 40 | 7 4 |
| M 8 | 17 16 | 21 26 | 1s16 | 12 46 | 1 32 | 12 49 | 1 18 | 23 38 | 0 48 | 22 13 | 0 23 | 8 0 | 1 54 | 10 39 | 0 37 | 19 15 | 0 41 | 2 25 | 16 40 | 20 42 | 20 54 | 8 33 | 12 40 | 7 3 |
| T 9 | 17 32 | 20 50 | 2 29 | 13 31 | 1 24 | 13 14 | 1 17 | 23 42 | 0 48 | 22 14 | 0 23 | 8 0 | 1 54 | 10 38 | 0 37 | 19 15 | 0 41 | 2 24 | 16 40 | 20 42 | 20 53 | 8 35 | 12 40 | 7 3 |
| W10 | 17 48 | 19 1 | 3 30 | 14 16 | 1 15 | 13 38 | 1 15 | 23 46 | 0 49 | 22 14 | 0 23 | 8 0 | 1 54 | 10 37 | 0 37 | 19 15 | 0 41 | 2 24 | 16 40 | 20 42 | 20 53 | 8 37 | 12 40 | 7 2 |
| T 11 | 18 3 | 16 14 | 4 19 | 15 0 | 1 7 | 14 3 | 1 14 | 23 49 | 0 49 | 22 14 | 0 23 | 8 0 | 1 54 | 10 37 | 0 37 | 19 15 | 0 41 | 2 23 | 16 40 | 20 43 | 20 52 | 8 39 | 12 40 | 7 1 |
| F 12 | 18 18 | 12 45 | 4 53 | 15 44 | 0 57 | 14 26 | 1 13 | 23 52 | 0 50 | 22 14 | 0 23 | 8 0 | 1 54 | 10 36 | 0 37 | 19 15 | 0 41 | 2 23 | 16 40 | 20 43 | 20 51 | 8 42 | 12 40 | 7 1 |
| S 13 | 18 33 | 8 48 | 5 12 | 16 28 | 0 48 | 14 50 | 1 11 | 23 55 | 0 50 | 22 15 | 0 23 | 8 0 | 1 54 | 10 35 | 0 37 | 19 15 | 0 41 | 2 23 | 16 40 | 20 43 | 20 51 | 8 44 | 12 40 | 7 0 |
| S 14 | 18 47 | 4 34 | 5 17 | 17 11 | 0 38 | 15 13 | 1 10 | 23 58 | 0 50 | 22 15 | 0 23 | 8 0 | 1 53 | 10 34 | 0 37 | 19 15 | 0 41 | 2 22 | 16 40 | 20 43 | 20 50 | 8 46 | 12 40 | 6 59 |
| M15 | 19 1 | 0 14 | 5 8 | 17 54 | 0 28 | 15 35 | 1 8 | 24 0 | 0 51 | 22 15 | 0 23 | 8 0 | 1 53 | 10 33 | 0 37 | 19 15 | 0 41 | 2 22 | 16 40 | 20 43 | 20 50 | 8 48 | 12 39 | 6 59 |
| T 16 | 19 15 | 4s 4 | 4 45 | 18 35 | 0 18 | 15 58 | 1 7 | 24 2 | 0 51 | 22 16 | 0 23 | 8 0 | 1 53 | 10 33 | 0 37 | 19 15 | 0 41 | 2 22 | 16 40 | 20 42 | 20 49 | 8 50 | 12 39 | 6 58 |
| W17 | 19 28 | 8 13 | 4 11 | 19 15 | 0 8 | 16 19 | 1 5 | 24 4 | 0 51 | 22 16 | 0 23 | 8 0 | 1 53 | 10 32 | 0 37 | 19 15 | 0 41 | 2 21 | 16 40 | 20 42 | 20 48 | 8 52 | 12 39 | 6 58 |
| T 18 | 19 41 | 12 4 | 3 26 | 19 54 | 0n 3 | 16 41 | 1 3 | 24 6 | 0 52 | 22 16 | 0 23 | 8 0 | 1 53 | 10 31 | 0 37 | 19 15 | 0 41 | 2 21 | 16 40 | 20 42 | 20 48 | 8 54 | 12 39 | 6 57 |
| F 19 | 19 54 | 15 27 | 2 31 | 20 32 | 0 13 | 17 2 | 1 1 | 24 8 | 0 52 | 22 17 | 0 23 | 7 59 | 1 53 | 10 30 | 0 37 | 19 15 | 0 41 | 2 21 | 16 40 | 20 42 | 20 47 | 8 56 | 12 38 | 6 56 |
| S 20 | 20 6 | 18 14 | 1 30 | 21 8 | 0 24 | 17 22 | 1 0 | 24 9 | 0 53 | 22 17 | 0 22 | 7 59 | 1 53 | 10 30 | 0 37 | 19 16 | 0 41 | 2 21 | 16 40 | 20 42 | 20 47 | 8 58 | 12 38 | 6 56 |
| S 21 | 20 18 | 20 13 | 0 23 | 21 42 | 0 34 | 17 43 | 0 58 | 24 10 | 0 53 | 22 18 | 0 22 | 7 59 | 1 52 | 10 29 | 0 37 | 19 16 | 0 41 | 2 20 | 16 39 | 20 42 | 20 46 | 9 0 | 12 38 | 6 55 |
| M22 | 20 30 | 21 17 | 0n45 | 22 14 | 0 45 | 18 2 | 0 56 | 24 11 | 0 53 | 22 18 | 0 22 | 7 58 | 1 52 | 10 28 | 0 37 | 19 16 | 0 41 | 2 20 | 16 39 | 20 42 | 20 45 | 9 2 | 12 37 | 6 55 |
| T 23 | 20 41 | 21 18 | 1 52 | 22 43 | 0 55 | 18 21 | 0 54 | 24 12 | 0 54 | 22 19 | 0 22 | 7 58 | 1 52 | 10 28 | 0 37 | 19 16 | 0 41 | 2 20 | 16 39 | 20 42 | 20 45 | 9 4 | 12 37 | 6 54 |
| W24 | 20 52 | 20 13 | 2 55 | 23 11 | 1 4 | 18 40 | 0 52 | 24 13 | 0 54 | 22 19 | 0 22 | 7 57 | 1 52 | 10 27 | 0 37 | 19 16 | 0 41 | 2 19 | 16 39 | 20 42 | 20 44 | 9 7 | 12 37 | 6 54 |
| T 25 | 21 2 | 18 4 | 3 50 | 23 36 | 1 14 | 18 58 | 0 50 | 24 13 | 0 54 | 22 20 | 0 22 | 7 57 | 1 52 | 10 26 | 0 37 | 19 16 | 0 41 | 2 19 | 16 39 | 20 42 | 20 44 | 9 9 | 12 36 | 6 53 |
| F 26 | 21 13 | 14 56 | 4 34 | 23 58 | 1 22 | 19 16 | 0 48 | 24 13 | 0 55 | 22 20 | 0 22 | 7 56 | 1 52 | 10 26 | 0 37 | 19 16 | 0 41 | 2 19 | 16 39 | 20 42 | 20 43 | 9 11 | 12 36 | 6 52 |
| S 27 | 21 22 | 10 59 | 5 4 | 24 18 | 1 31 | 19 33 | 0 46 | 24 13 | 0 55 | 22 21 | 0 22 | 7 56 | 1 52 | 10 25 | 0 37 | 19 16 | 0 41 | 2 19 | 16 39 | 20 42 | 20 42 | 9 13 | 12 35 | 6 52 |
| S 28 | 21 32 | 6 23 | 5 17 | 24 36 | 1 38 | 19 50 | 0 44 | 24 13 | 0 55 | 22 21 | 0 22 | 7 55 | 1 52 | 10 24 | 0 37 | 19 17 | 0 41 | 2 19 | 16 38 | 20 42 | 20 42 | 9 15 | 12 35 | 6 51 |
| M29 | 21 41 | 1 23 | 5 12 | 24 51 | 1 45 | 20 6 | 0 42 | 24 12 | 0 56 | 22 22 | 0 22 | 7 54 | 1 51 | 10 24 | 0 37 | 19 17 | 0 41 | 2 18 | 16 38 | 20 42 | 20 41 | 9 17 | 12 34 | 6 51 |
| T 30 | 21 50 | 3n46 | 4 47 | 25 3 | 1 51 | 20 22 | 0 40 | 24 11 | 0 56 | 22 22 | 0 22 | 7 54 | 1 51 | 10 23 | 0 37 | 19 17 | 0 41 | 2 18 | 16 38 | 20 42 | 20 41 | 9 19 | 12 34 | 6 50 |
| W31 | 21n58 | 8n48 | 4n 5 | 25n12 | 1n57 | 20n37 | 0s38 | 24n10 | 0n56 | 22s23 | 0n22 | 7n53 | 1n51 | 10s23 | 0n37 | 19s17 | 0n41 | 2s18 | 16n38 | 20s42 | 20s40 | 9s21 | 12n33 | 6s50 |

Julian Day Number = 2809603.5, Delta T = 52m45s
Ecliptic obliquity = 23°18'40, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°27'48, Lahiri = 37°34'48


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# ASTRODIENST EPHEMERIS for the year 2980
# geocentric

## JUNE 2980 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 41 59 | 11♊53'52 | 27♈24 | 28♊ 5 | 7♊26 | 5♋ 9 | 12°R16 | 14♍16 | 28°R40 | 0°R22 | 23°R 1 | 3♐17 | 3♐ 4 | 14♎54 | 3♌52 | T 1 |
| F 2 | 16 45 56 | 12°51'45 | 12♉ 2 | 29°54 | 8°40 | 5°49 | 12♏10 | 14°18 | 28♎38 | 0♒21 | 22♏59 | 3°18 | 3° 0 | 15° 1 | 3°57 | F 2 |
| S 3 | 16 49 53 | 13°49'36 | 26°37 | 1♋40 | 9°53 | 6°29 | 12° 4 | 14°20 | 28°37 | 0°20 | 22°58 | 3°R18 | 2°57 | 15° 8 | 4° 2 | S 3 |
| S 4 | 16 53 49 | 14°47'27 | 11♊ 4 | 3°23 | 11° 7 | 7°10 | 11°58 | 14°22 | 28°35 | 0°19 | 22°56 | 3°18 | 2°54 | 15°14 | 4° 7 | S 4 |
| M 5 | 16 57 46 | 15°45'16 | 25°18 | 5° 2 | 12°21 | 7°50 | 11°52 | 14°24 | 28°34 | 0°18 | 22°55 | 3°18 | 2°51 | 15°21 | 4°12 | M 5 |
| T 6 | 17 1 42 | 16°43'04 | 9♋13 | 6°39 | 13°35 | 8°30 | 11°46 | 14°26 | 28°32 | 0°17 | 22°53 | 3°17 | 2°48 | 15°28 | 4°17 | T 6 |
| W 7 | 17 5 39 | 17°40'50 | 22°47 | 8°12 | 14°49 | 9°11 | 11°40 | 14°29 | 28°31 | 0°16 | 22°52 | 3°15 | 2°45 | 15°34 | 4°22 | W 7 |
| T 8 | 17 9 35 | 18°38'35 | 5♌59 | 9°42 | 16° 3 | 9°51 | 11°33 | 14°31 | 28°30 | 0°15 | 22°50 | 3°13 | 2°41 | 15°41 | 4°28 | T 8 |
| F 9 | 17 13 32 | 19°36'18 | 18°48 | 11° 9 | 17°16 | 10°31 | 11°27 | 14°34 | 28°28 | 0°14 | 22°49 | 3°11 | 2°38 | 15°48 | 4°33 | F 9 |
| S 10 | 17 17 28 | 20°34'00 | 1♍18 | 12°33 | 18°30 | 11°11 | 11°20 | 14°36 | 28°27 | 0°13 | 22°47 | 3° 9 | 2°35 | 15°55 | 4°38 | S 10 |
| S 11 | 17 21 25 | 21°31'41 | 13°31 | 13°53 | 19°44 | 11°51 | 11°13 | 14°39 | 28°26 | 0°12 | 22°46 | 3° 8 | 2°32 | 16° 1 | 4°44 | S 11 |
| M12 | 17 25 22 | 22°29'19 | 25°33 | 15° 9 | 20°58 | 12°31 | 11° 7 | 14°42 | 28°24 | 0°10 | 22°44 | 3°D 8 | 2°29 | 16° 8 | 4°49 | M12 |
| T 13 | 17 29 18 | 23°26'57 | 7♎26 | 16°22 | 22°12 | 13°12 | 11° 0 | 14°45 | 28°23 | 0° 9 | 22°43 | 3° 9 | 2°25 | 16°15 | 4°55 | T 13 |
| W14 | 17 33 15 | 24°24'33 | 19°17 | 17°32 | 23°25 | 13°52 | 10°53 | 14°48 | 28°22 | 0° 8 | 22°42 | 3°10 | 2°22 | 16°21 | 5° 0 | W14 |
| T 15 | 17 37 11 | 25°22'08 | 1♏ 9 | 18°38 | 24°39 | 14°32 | 10°46 | 14°51 | 28°21 | 0° 7 | 22°40 | 3°11 | 2°19 | 16°28 | 5° 6 | T 15 |
| F 16 | 17 41 8 | 26°19'41 | 13° 8 | 19°40 | 25°53 | 15°11 | 10°38 | 14°54 | 28°20 | 0° 6 | 22°39 | 3°13 | 2°16 | 16°35 | 5°11 | F 16 |
| S 17 | 17 45 4 | 27°17'13 | 25°16 | 20°39 | 27° 7 | 15°51 | 10°31 | 14°57 | 28°19 | 0° 4 | 22°38 | 3°14 | 2°13 | 16°41 | 5°17 | S 17 |
| S 18 | 17 49 1 | 28°14'45 | 7♐38 | 21°33 | 28°21 | 16°31 | 10°24 | 15° 1 | 28°18 | 0° 3 | 22°36 | 3°R14 | 2°10 | 16°48 | 5°23 | S 18 |
| M19 | 17 52 57 | 29°12'15 | 20°14 | 22°24 | 29°34 | 17°11 | 10°17 | 15° 4 | 28°18 | 0° 2 | 22°35 | 3°13 | 2° 6 | 16°55 | 5°29 | M19 |
| T 20 | 17 56 54 | 0♋ 9'44 | 3♑ 6 | 23°11 | 0♋48 | 17°51 | 10° 9 | 15° 8 | 28°17 | 0° 0 | 22°34 | 3°11 | 2° 3 | 17° 1 | 5°34 | T 20 |
| W21 | 18 0 51 | 1° 7'12 | 16°14 | 23°54 | 2° 2 | 18°31 | 10° 2 | 15°11 | 28°16 | 29♑59 | 22°33 | 3° 7 | 2° 0 | 17° 8 | 5°40 | W21 |
| T 22 | 18 4 47 | 2° 4'39 | 29°38 | 24°33 | 3°16 | 19°10 | 9°54 | 15°15 | 28°15 | 29°58 | 22°31 | 3° 3 | 1°57 | 17°15 | 5°46 | T 22 |
| F 23 | 18 8 44 | 3° 2'06 | 13♒15 | 25° 7 | 4°29 | 19°50 | 9°47 | 15°19 | 28°15 | 29°56 | 22°30 | 2°59 | 1°54 | 17°21 | 5°52 | F 23 |
| S 24 | 18 12 40 | 3°59'31 | 27° 4 | 25°37 | 5°43 | 20°30 | 9°39 | 15°23 | 28°14 | 29°55 | 22°29 | 2°55 | 1°51 | 17°28 | 5°58 | S 24 |
| S 25 | 18 16 37 | 4°56'57 | 11♓ 2 | 26° 3 | 6°57 | 21°10 | 9°32 | 15°27 | 28°13 | 29°53 | 22°28 | 2°52 | 1°47 | 17°35 | 6° 4 | S 25 |
| M26 | 18 20 33 | 5°54'21 | 25° 7 | 26°25 | 8°11 | 21°49 | 9°24 | 15°31 | 28°13 | 29°52 | 22°27 | 2°50 | 1°44 | 17°41 | 6°10 | M26 |
| T 27 | 18 24 30 | 6°51'45 | 9♈16 | 26°42 | 9°24 | 22°29 | 9°16 | 15°35 | 28°13 | 29°51 | 22°26 | 2°D49 | 1°41 | 17°48 | 6°16 | T 27 |
| W28 | 18 28 27 | 7°49'09 | 23°29 | 26°54 | 10°38 | 23° 8 | 9° 9 | 15°39 | 28°12 | 29°49 | 22°25 | 2°50 | 1°38 | 17°55 | 6°23 | W28 |
| T 29 | 18 32 23 | 8°46'32 | 7♉43 | 27° 2 | 11°52 | 23°48 | 9° 1 | 15°44 | 28°12 | 29°48 | 22°24 | 2°51 | 1°35 | 18° 2 | 6°29 | T 29 |
| F 30 | 18 36 20 | 9♋43'55 | 21♉55 | 27°R 5 | 13♋ 6 | 24♋28 | 8♑53 | 15♍48 | 28♎12 | 29♑46 | 22♏23 | 2♐53 | 1♐31 | 18♎ 8 | 6♌35 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n 6 | 13n24 | 3n 6 | 25n20 | 2n 2 | 20n51 | 0s35 | 24n 9 | 0n57 | 22s23 | 0n22 | 7n52 | 1n51 | 10s22 | 0n37 | 19s17 | 0n41 | 2s18 | 16n38 | 20s42 | 20s39 | 9s23 | 12n33 | 6s49 |
| F 2 | 22 13 | 17 12 | 1 55 | 25 25 | 2 6 | 21 5 | 0 33 | 24 8 | 0 57 | 22 24 | 0 22 | 7 51 | 1 51 | 10 22 | 0 37 | 19 18 | 0 41 | 2 18 | 16 37 | 20 42 | 20 39 | 9 25 | 12 32 | 6 49 |
| S 3 | 22 20 | 19 54 | 0 37 | 25 27 | 2 9 | 21 18 | 0 31 | 24 6 | 0 57 | 22 25 | 0 21 | 7 50 | 1 51 | 10 21 | 0 37 | 19 18 | 0 41 | 2 18 | 16 37 | 20 42 | 20 38 | 9 27 | 12 31 | 6 48 |
| S 4 | 22 27 | 21 16 | 0s43 | 25 28 | 2 12 | 21 31 | 0 29 | 24 4 | 0 57 | 22 25 | 0 21 | 7 49 | 1 51 | 10 21 | 0 37 | 19 18 | 0 41 | 2 18 | 16 37 | 20 42 | 20 38 | 9 29 | 12 31 | 6 48 |
| M 5 | 22 33 | 21 15 | 1 59 | 25 26 | 2 13 | 21 43 | 0 26 | 24 2 | 0 58 | 22 26 | 0 21 | 7 49 | 1 50 | 10 20 | 0 37 | 19 18 | 0 41 | 2 17 | 16 37 | 20 42 | 20 37 | 9 31 | 12 30 | 6 47 |
| T 6 | 22 39 | 19 54 | 3 6 | 25 22 | 2 14 | 21 55 | 0 24 | 24 0 | 0 58 | 22 27 | 0 21 | 7 48 | 1 50 | 10 20 | 0 37 | 19 18 | 0 41 | 2 17 | 16 36 | 20 42 | 20 36 | 9 33 | 12 29 | 6 47 |
| W 7 | 22 45 | 17 26 | 4 1 | 25 17 | 2 14 | 22 6 | 0 22 | 23 58 | 0 58 | 22 27 | 0 21 | 7 46 | 1 50 | 10 19 | 0 37 | 19 19 | 0 41 | 2 17 | 16 36 | 20 42 | 20 36 | 9 35 | 12 29 | 6 46 |
| T 8 | 22 50 | 14 8 | 4 41 | 25 10 | 2 13 | 22 16 | 0 19 | 23 55 | 0 59 | 22 28 | 0 21 | 7 45 | 1 50 | 10 19 | 0 37 | 19 19 | 0 41 | 2 17 | 16 36 | 20 41 | 20 35 | 9 37 | 12 28 | 6 46 |
| F 9 | 22 54 | 10 15 | 5 6 | 25 1 | 2 11 | 22 25 | 0 17 | 23 52 | 0 59 | 22 28 | 0 21 | 7 44 | 1 50 | 10 18 | 0 37 | 19 19 | 0 41 | 2 17 | 16 36 | 20 41 | 20 35 | 9 39 | 12 27 | 6 45 |
| S 10 | 22 59 | 6 2 | 5 16 | 24 51 | 2 8 | 22 34 | 0 15 | 23 49 | 0 59 | 22 29 | 0 21 | 7 43 | 1 50 | 10 18 | 0 37 | 19 19 | 0 41 | 2 17 | 16 35 | 20 40 | 20 34 | 9 41 | 12 26 | 6 45 |
| S 11 | 23 3 | 1 39 | 5 11 | 24 39 | 2 5 | 22 43 | 0 12 | 23 46 | 0 59 | 22 30 | 0 21 | 7 42 | 1 50 | 10 17 | 0 36 | 19 20 | 0 41 | 2 17 | 16 35 | 20 40 | 20 33 | 9 43 | 12 26 | 6 45 |
| M12 | 23 6 | 2s43 | 4 52 | 24 27 | 2 0 | 22 50 | 0 10 | 23 43 | 1 0 | 22 30 | 0 21 | 7 41 | 1 49 | 10 17 | 0 36 | 19 20 | 0 41 | 2 17 | 16 35 | 20 40 | 20 33 | 9 45 | 12 25 | 6 44 |
| T 13 | 23 9 | 6 56 | 4 21 | 24 13 | 1 55 | 22 57 | 0 8 | 23 39 | 1 0 | 22 31 | 0 20 | 7 40 | 1 49 | 10 17 | 0 36 | 19 20 | 0 41 | 2 17 | 16 34 | 20 40 | 20 32 | 9 47 | 12 24 | 6 44 |
| W14 | 23 12 | 10 53 | 3 39 | 23 58 | 1 49 | 23 4 | 0 5 | 23 35 | 1 0 | 22 32 | 0 20 | 7 38 | 1 49 | 10 16 | 0 36 | 19 20 | 0 41 | 2 17 | 16 34 | 20 41 | 20 31 | 9 49 | 12 23 | 6 43 |
| T 15 | 23 14 | 14 26 | 2 48 | 23 43 | 1 42 | 23 9 | 0 3 | 23 31 | 1 0 | 22 32 | 0 20 | 7 37 | 1 49 | 10 16 | 0 36 | 19 21 | 0 41 | 2 17 | 16 34 | 20 41 | 20 31 | 9 51 | 12 22 | 6 43 |
| F 16 | 23 16 | 17 25 | 1 49 | 23 26 | 1 34 | 23 14 | 0 0 | 23 27 | 1 1 | 22 33 | 0 20 | 7 36 | 1 49 | 10 16 | 0 36 | 19 21 | 0 41 | 2 17 | 16 33 | 20 41 | 20 30 | 9 53 | 12 21 | 6 42 |
| S 17 | 23 17 | 19 41 | 0 44 | 23 9 | 1 26 | 23 19 | 0n 2 | 23 23 | 1 1 | 22 34 | 0 20 | 7 34 | 1 49 | 10 15 | 0 36 | 19 21 | 0 41 | 2 17 | 16 33 | 20 41 | 20 30 | 9 55 | 12 20 | 6 42 |
| S 18 | 23 18 | 21 4 | 0n24 | 22 51 | 1 17 | 23 22 | 0 4 | 23 18 | 1 1 | 22 34 | 0 20 | 7 33 | 1 49 | 10 15 | 0 36 | 19 21 | 0 41 | 2 17 | 16 33 | 20 41 | 20 29 | 9 57 | 12 19 | 6 42 |
| M19 | 23 19 | 21 25 | 1 32 | 22 33 | 1 7 | 23 25 | 0 7 | 23 14 | 1 1 | 22 35 | 0 20 | 7 31 | 1 49 | 10 15 | 0 36 | 19 22 | 0 42 | 2 17 | 16 32 | 20 41 | 20 28 | 9 59 | 12 18 | 6 41 |
| T 20 | 23 19 | 20 40 | 2 37 | 22 15 | 0 56 | 23 28 | 0 9 | 23 9 | 1 2 | 22 36 | 0 20 | 7 30 | 1 48 | 10 15 | 0 36 | 19 22 | 0 42 | 2 17 | 16 32 | 20 41 | 20 28 | 10 1 | 12 17 | 6 41 |
| W21 | 23 18 | 18 47 | 3 34 | 21 56 | 0 44 | 23 29 | 0 11 | 23 4 | 1 2 | 22 36 | 0 20 | 7 28 | 1 48 | 10 14 | 0 36 | 19 22 | 0 42 | 2 17 | 16 31 | 20 40 | 20 27 | 10 3 | 12 16 | 6 40 |
| T 22 | 23 18 | 15 52 | 4 21 | 21 37 | 0 32 | 23 30 | 0 14 | 22 58 | 1 2 | 22 37 | 0 20 | 7 27 | 1 48 | 10 14 | 0 36 | 19 22 | 0 42 | 2 18 | 16 31 | 20 39 | 20 26 | 10 5 | 12 15 | 6 40 |
| F 23 | 23 17 | 12 3 | 4 54 | 21 18 | 0 19 | 23 30 | 0 16 | 22 53 | 1 2 | 22 38 | 0 19 | 7 25 | 1 48 | 10 14 | 0 36 | 19 23 | 0 42 | 2 18 | 16 31 | 20 39 | 20 26 | 10 7 | 12 14 | 6 40 |
| S 24 | 23 15 | 7 33 | 5 11 | 21 0 | 0 5 | 23 30 | 0 19 | 22 47 | 1 2 | 22 38 | 0 19 | 7 24 | 1 48 | 10 14 | 0 36 | 19 23 | 0 42 | 2 18 | 16 30 | 20 38 | 20 25 | 10 9 | 12 13 | 6 39 |
| S 25 | 23 13 | 2 37 | 5 9 | 20 41 | 0s 9 | 23 29 | 0 21 | 22 41 | 1 3 | 22 39 | 0 19 | 7 22 | 1 48 | 10 14 | 0 36 | 19 23 | 0 42 | 2 18 | 16 30 | 20 37 | 20 25 | 10 11 | 12 12 | 6 39 |
| M26 | 23 11 | 2n30 | 4 49 | 20 22 | 0 24 | 23 27 | 0 23 | 22 35 | 1 3 | 22 40 | 0 19 | 7 20 | 1 48 | 10 13 | 0 36 | 19 24 | 0 42 | 2 18 | 16 29 | 20 37 | 20 24 | 10 13 | 12 11 | 6 39 |
| T 27 | 23 8 | 7 31 | 4 12 | 20 4 | 0 39 | 23 24 | 0 25 | 22 29 | 1 3 | 22 40 | 0 19 | 7 19 | 1 48 | 10 13 | 0 36 | 19 24 | 0 42 | 2 18 | 16 29 | 20 37 | 20 23 | 10 15 | 12 10 | 6 38 |
| W28 | 23 5 | 12 9 | 3 18 | 19 46 | 0 55 | 23 21 | 0 28 | 22 23 | 1 3 | 22 41 | 0 19 | 7 17 | 1 48 | 10 13 | 0 36 | 19 24 | 0 42 | 2 18 | 16 28 | 20 37 | 20 23 | 10 17 | 12 9 | 6 38 |
| T 29 | 23 1 | 16 6 | 2 13 | 19 29 | 1 11 | 23 17 | 0 30 | 22 16 | 1 3 | 22 42 | 0 19 | 7 15 | 1 47 | 10 13 | 0 36 | 19 25 | 0 42 | 2 19 | 16 28 | 20 37 | 20 22 | 10 19 | 12 7 | 6 38 |
| F 30 | 22n57 | 19n 6 | 0n59 | 19n12 | 1s27 | 23n12 | 0n32 | 22n 9 | 1n 4 | 22s42 | 0n19 | 7n13 | 1n47 | 10s13 | 0n36 | 19s25 | 0n42 | 2s19 | 16n28 | 20s37 | 20s21 | 10s21 | 12n 6 | 6s37 |

Julian Day Number = 2809634.5, Delta T = 52m46s
Ecliptic obliquity = 23°18'40, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°27'52, Lahiri = 37°34'53


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# ASTRODIENST EPHEMERIS for the year 2980
# geocentric

## JULY 2980 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 40 16 | 10♋41'18 | 6♊ 4 | 27°R 3 | 14♋19 | 25♋ 7 | 8°R46 | 15♍53 | 28°R11 | 29°R45 | 22°R22 | 2°R53 | 1♐28 | 18♎15 | 6♌41 | S 1 |
| S 2 | 18 44 13 | 11°38'40 | 20° 5 | 26♋58 | 15°33 | 25°47 | 8♑38 | 15°57 | 28♎11 | 29♑43 | 22♏21 | 2♐52 | 1°25 | 18°22 | 6°48 | S 2 |
| M 3 | 18 48 9 | 12°36'02 | 3♋57 | 26°48 | 16°47 | 26°26 | 8°30 | 16° 2 | 28°11 | 29°42 | 22°20 | 2°49 | 1°22 | 18°28 | 6°54 | M 3 |
| T 4 | 18 52 6 | 13°33'23 | 17°35 | 26°33 | 18° 1 | 27° 5 | 8°23 | 16° 7 | 28°11 | 29°40 | 22°19 | 2°44 | 1°19 | 18°35 | 7° 0 | T 4 |
| W 5 | 18 56 2 | 14°30'44 | 0♌57 | 26°15 | 19°14 | 27°45 | 8°15 | 16°11 | 28°D11 | 29°39 | 22°18 | 2°37 | 1°16 | 18°42 | 7° 7 | W 5 |
| T 6 | 18 59 59 | 15°28'04 | 14° 1 | 25°53 | 20°28 | 28°24 | 8° 8 | 16°16 | 28°11 | 29°37 | 22°17 | 2°30 | 1°12 | 18°48 | 7°13 | T 6 |
| F 7 | 19 3 56 | 16°25'23 | 26°47 | 25°28 | 21°42 | 29° 4 | 8° 0 | 16°21 | 28°11 | 29°35 | 22°16 | 2°23 | 1° 9 | 18°55 | 7°19 | F 7 |
| S 8 | 19 7 52 | 17°22'42 | 9♍15 | 25° 0 | 22°56 | 29°43 | 7°53 | 16°26 | 28°11 | 29°34 | 22°16 | 2°17 | 1° 6 | 19° 2 | 7°26 | S 8 |
| S 9 | 19 11 49 | 18°20'00 | 21°28 | 24°29 | 24° 9 | 0♌22 | 7°45 | 16°31 | 28°11 | 29°32 | 22°15 | 2°11 | 1° 3 | 19° 8 | 7°32 | S 9 |
| M10 | 19 15 45 | 19°17'17 | 3♎29 | 23°56 | 25°23 | 1° 1 | 7°38 | 16°37 | 28°12 | 29°31 | 22°14 | 2° 8 | 1° 0 | 19°15 | 7°39 | M10 |
| T 11 | 19 19 42 | 20°14'34 | 15°22 | 23°22 | 26°37 | 1°41 | 7°30 | 16°42 | 28°12 | 29°29 | 22°13 | 2°D 7 | 0°57 | 19°22 | 7°45 | T 11 |
| W12 | 19 23 38 | 21°11'50 | 27°13 | 22°47 | 27°51 | 2°20 | 7°23 | 16°47 | 28°12 | 29°27 | 22°13 | 2° 7 | 0°53 | 19°28 | 7°52 | W12 |
| T 13 | 19 27 35 | 22° 9'06 | 9♏ 6 | 22°11 | 29° 4 | 2°59 | 7°16 | 16°52 | 28°13 | 29°26 | 22°12 | 2° 8 | 0°50 | 19°35 | 7°58 | T 13 |
| F 14 | 19 31 31 | 23° 6'21 | 21° 6 | 21°35 | 0♌18 | 3°38 | 7° 9 | 16°58 | 28°13 | 29°24 | 22°11 | 2° 9 | 0°47 | 19°42 | 8° 5 | F 14 |
| S 15 | 19 35 28 | 24° 3'36 | 3♐18 | 21° 1 | 1°32 | 4°17 | 7° 2 | 17° 3 | 28°14 | 29°23 | 22°11 | 2°R 9 | 0°44 | 19°48 | 8°12 | S 15 |
| S 16 | 19 39 25 | 25° 0'51 | 15°47 | 20°28 | 2°46 | 4°57 | 6°55 | 17° 9 | 28°14 | 29°21 | 22°10 | 2° 8 | 0°41 | 19°55 | 8°18 | S 16 |
| M17 | 19 43 21 | 25°58'05 | 28°35 | 19°57 | 3°59 | 5°36 | 6°48 | 17°15 | 28°15 | 29°19 | 22°10 | 2° 5 | 0°37 | 20° 2 | 8°25 | M17 |
| T 18 | 19 47 18 | 26°55'19 | 11♑44 | 19°28 | 5°13 | 6°15 | 6°41 | 17°20 | 28°15 | 29°18 | 22° 9 | 2° 0 | 0°34 | 20° 8 | 8°32 | T 18 |
| W19 | 19 51 14 | 27°52'33 | 25°13 | 19° 3 | 6°27 | 6°54 | 6°34 | 17°26 | 28°16 | 29°16 | 22° 9 | 1°53 | 0°31 | 20°15 | 8°38 | W19 |
| T 20 | 19 55 11 | 28°49'46 | 9♒ 2 | 18°41 | 7°41 | 7°33 | 6°28 | 17°32 | 28°17 | 29°15 | 22° 9 | 1°44 | 0°28 | 20°22 | 8°45 | T 20 |
| F 21 | 19 59 7 | 29°47'00 | 23° 7 | 18°23 | 8°54 | 8°12 | 6°21 | 17°38 | 28°18 | 29°13 | 22° 8 | 1°35 | 0°25 | 20°28 | 8°52 | F 21 |
| S 22 | 20 3 4 | 0♌44'13 | 7♓21 | 18°10 | 10° 8 | 8°51 | 6°15 | 17°44 | 28°19 | 29°11 | 22° 8 | 1°27 | 0°22 | 20°35 | 8°58 | S 22 |
| S 23 | 20 7 0 | 1°41'27 | 21°41 | 18° 1 | 11°22 | 9°30 | 6° 8 | 17°50 | 28°20 | 29°10 | 22° 8 | 1°20 | 0°18 | 20°42 | 9° 5 | S 23 |
| M24 | 20 10 57 | 2°38'41 | 6♈ 2 | 17°D57 | 12°35 | 10° 9 | 6° 2 | 17°56 | 28°21 | 29° 8 | 22° 7 | 1°15 | 0°15 | 20°48 | 9°12 | M24 |
| T 25 | 20 14 54 | 3°35'56 | 20°19 | 17°57 | 13°49 | 10°47 | 5°56 | 18° 2 | 28°22 | 29° 6 | 22° 7 | 1°12 | 0°12 | 20°55 | 9°19 | T 25 |
| W26 | 20 18 50 | 4°33'11 | 4♉29 | 18° 4 | 15° 3 | 11°26 | 5°50 | 18° 8 | 28°23 | 29° 5 | 22° 7 | 1°D11 | 0° 9 | 21° 2 | 9°25 | W26 |
| T 27 | 20 22 47 | 5°30'26 | 18°33 | 18°15 | 16°17 | 12° 5 | 5°44 | 18°14 | 28°24 | 29° 3 | 22° 7 | 1°12 | 0° 6 | 21° 9 | 9°32 | T 27 |
| F 28 | 20 26 43 | 6°27'42 | 2♊27 | 18°31 | 17°30 | 12°44 | 5°39 | 18°20 | 28°25 | 29° 2 | 22° 6 | 1°R12 | 0° 3 | 21°15 | 9°39 | F 28 |
| S 29 | 20 30 40 | 7°24'59 | 16°14 | 18°53 | 18°44 | 13°23 | 5°33 | 18°27 | 28°26 | 29° 0 | 22° 6 | 1°11 | 29♏59 | 21°22 | 9°46 | S 29 |
| S 30 | 20 34 36 | 8°22'16 | 29°51 | 19°21 | 19°58 | 14° 2 | 5°28 | 18°33 | 28°27 | 28°58 | 22° 6 | 1° 8 | 29°56 | 21°29 | 9°53 | S 30 |
| M31 | 20 38 33 | 9♌19'33 | 13♋18 | 19♋54 | 21♌11 | 14♌41 | 5♑22 | 18♍40 | 28♎29 | 28♑57 | 22♏ 6 | 1♐ 2 | 29♏53 | 21♎35 | 9♌59 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n53 | 20n55 | 0s17 | 18n56 | 1s44 | 23n 7 | 0n34 | 22n 2 | 1n 4 | 22s43 | 0n18 | 7n11 | 1n47 | 10s13 | 0n36 | 19s25 | 0n42 | 2s19 | 16n27 | 20s37 | 20s21 | 10s23 | 12n 5 | 6s37 |
| S 2 | 22 48 | 21 25 | 1 32 | 18 41 | 2 1 | 23 1 | 0 37 | 21 55 | 1 4 | 22 44 | 0 18 | 7 9 | 1 47 | 10 13 | 0 36 | 19 25 | 0 42 | 2 19 | 16 27 | 20 37 | 20 20 | 10 25 | 12 4 | 6 37 |
| M 3 | 22 43 | 20 34 | 2 41 | 18 26 | 2 17 | 22 54 | 0 39 | 21 48 | 1 4 | 22 44 | 0 18 | 7 8 | 1 47 | 10 13 | 0 36 | 19 26 | 0 42 | 2 20 | 16 26 | 20 37 | 20 19 | 10 27 | 12 3 | 6 37 |
| T 4 | 22 37 | 18 33 | 3 39 | 18 12 | 2 34 | 22 47 | 0 41 | 21 41 | 1 4 | 22 45 | 0 18 | 7 6 | 1 47 | 10 13 | 0 36 | 19 26 | 0 41 | 2 20 | 16 26 | 20 36 | 20 19 | 10 29 | 12 1 | 6 36 |
| W 5 | 22 32 | 15 33 | 4 23 | 18 0 | 2 50 | 22 39 | 0 43 | 21 33 | 1 4 | 22 45 | 0 18 | 7 4 | 1 47 | 10 13 | 0 36 | 19 26 | 0 41 | 2 20 | 16 25 | 20 34 | 20 18 | 10 31 | 12 0 | 6 36 |
| T 6 | 22 25 | 11 51 | 4 53 | 17 48 | 3 6 | 22 30 | 0 45 | 21 25 | 1 5 | 22 46 | 0 18 | 7 2 | 1 47 | 10 13 | 0 36 | 19 27 | 0 41 | 2 20 | 16 25 | 20 33 | 20 17 | 10 33 | 11 59 | 6 36 |
| F 7 | 22 18 | 7 42 | 5 7 | 17 38 | 3 22 | 22 21 | 0 47 | 21 18 | 1 5 | 22 47 | 0 18 | 7 0 | 1 47 | 10 13 | 0 35 | 19 27 | 0 41 | 2 21 | 16 24 | 20 32 | 20 17 | 10 35 | 11 57 | 6 36 |
| S 8 | 22 11 | 3 19 | 5 6 | 17 28 | 3 36 | 22 11 | 0 49 | 21 10 | 1 5 | 22 47 | 0 17 | 6 58 | 1 46 | 10 13 | 0 35 | 19 27 | 0 41 | 2 21 | 16 24 | 20 30 | 20 16 | 10 36 | 11 56 | 6 35 |
| S 9 | 22 4 | 1s 6 | 4 52 | 17 20 | 3 50 | 22 0 | 0 51 | 21 1 | 1 5 | 22 48 | 0 17 | 6 56 | 1 46 | 10 13 | 0 35 | 19 28 | 0 41 | 2 21 | 16 23 | 20 29 | 20 16 | 10 38 | 11 55 | 6 35 |
| M10 | 21 56 | 5 25 | 4 24 | 17 13 | 4 3 | 21 49 | 0 53 | 20 53 | 1 5 | 22 48 | 0 17 | 6 54 | 1 46 | 10 13 | 0 35 | 19 28 | 0 41 | 2 22 | 16 23 | 20 29 | 20 15 | 10 40 | 11 53 | 6 35 |
| T 11 | 21 48 | 9 29 | 3 45 | 17 7 | 4 14 | 21 37 | 0 55 | 20 45 | 1 5 | 22 49 | 0 17 | 6 51 | 1 46 | 10 14 | 0 35 | 19 28 | 0 41 | 2 22 | 16 22 | 20 28 | 20 14 | 10 42 | 11 52 | 6 35 |
| W12 | 21 39 | 13 11 | 2 57 | 17 3 | 4 24 | 21 25 | 0 57 | 20 36 | 1 6 | 22 49 | 0 17 | 6 49 | 1 46 | 10 14 | 0 35 | 19 29 | 0 41 | 2 22 | 16 22 | 20 28 | 20 14 | 10 44 | 11 50 | 6 34 |
| T 13 | 21 30 | 16 22 | 2 1 | 17 0 | 4 33 | 21 12 | 0 59 | 20 27 | 1 6 | 22 50 | 0 17 | 6 47 | 1 46 | 10 14 | 0 35 | 19 29 | 0 41 | 2 23 | 16 21 | 20 29 | 20 13 | 10 46 | 11 49 | 6 34 |
| F 14 | 21 21 | 18 53 | 0 59 | 16 58 | 4 41 | 20 58 | 1 1 | 20 18 | 1 6 | 22 51 | 0 17 | 6 45 | 1 46 | 10 14 | 0 35 | 19 29 | 0 41 | 2 23 | 16 21 | 20 29 | 20 12 | 10 48 | 11 48 | 6 34 |
| S 15 | 21 11 | 20 36 | 0n 6 | 16 57 | 4 47 | 20 43 | 1 2 | 20 9 | 1 6 | 22 51 | 0 16 | 6 43 | 1 46 | 10 14 | 0 35 | 19 30 | 0 41 | 2 23 | 16 20 | 20 29 | 20 12 | 10 50 | 11 46 | 6 34 |
| S 16 | 21 1 | 21 21 | 1 13 | 16 58 | 4 51 | 20 29 | 1 4 | 20 0 | 1 6 | 22 52 | 0 16 | 6 40 | 1 46 | 10 15 | 0 35 | 19 30 | 0 41 | 2 24 | 16 20 | 20 29 | 20 11 | 10 52 | 11 45 | 6 34 |
| M17 | 20 50 | 21 1 | 2 17 | 16 59 | 4 54 | 20 13 | 1 6 | 19 50 | 1 6 | 22 52 | 0 16 | 6 38 | 1 46 | 10 15 | 0 35 | 19 30 | 0 41 | 2 24 | 16 19 | 20 28 | 20 10 | 10 54 | 11 43 | 6 34 |
| T 18 | 20 40 | 19 33 | 3 16 | 17 2 | 4 55 | 19 57 | 1 7 | 19 41 | 1 6 | 22 53 | 0 16 | 6 36 | 1 46 | 10 15 | 0 35 | 19 31 | 0 41 | 2 25 | 16 18 | 20 27 | 20 10 | 10 56 | 11 42 | 6 33 |
| W19 | 20 29 | 16 57 | 4 5 | 17 6 | 4 55 | 19 40 | 1 9 | 19 31 | 1 6 | 22 53 | 0 16 | 6 34 | 1 46 | 10 15 | 0 35 | 19 31 | 0 41 | 2 25 | 16 18 | 20 26 | 20 9 | 10 58 | 11 40 | 6 33 |
| T 20 | 20 17 | 13 22 | 4 41 | 17 11 | 4 53 | 19 23 | 1 10 | 19 21 | 1 7 | 22 54 | 0 16 | 6 31 | 1 45 | 10 16 | 0 35 | 19 31 | 0 41 | 2 25 | 16 17 | 20 24 | 20 8 | 10 59 | 11 39 | 6 33 |
| F 21 | 20 5 | 8 59 | 5 1 | 17 16 | 4 50 | 19 5 | 1 12 | 19 12 | 1 7 | 22 54 | 0 16 | 6 29 | 1 45 | 10 16 | 0 35 | 19 32 | 0 41 | 2 26 | 16 17 | 20 22 | 20 8 | 11 1 | 11 37 | 6 33 |
| S 22 | 19 53 | 4 4 | 5 3 | 17 23 | 4 45 | 18 47 | 1 13 | 19 1 | 1 7 | 22 54 | 0 15 | 6 27 | 1 45 | 10 16 | 0 35 | 19 32 | 0 41 | 2 26 | 16 16 | 20 20 | 20 7 | 11 3 | 11 35 | 6 33 |
| S 23 | 19 41 | 1n 6 | 4 46 | 17 30 | 4 39 | 18 28 | 1 14 | 18 51 | 1 7 | 22 55 | 0 15 | 6 24 | 1 45 | 10 17 | 0 35 | 19 32 | 0 41 | 2 27 | 16 16 | 20 19 | 20 6 | 11 5 | 11 34 | 6 33 |
| M24 | 19 28 | 6 13 | 4 11 | 17 38 | 4 31 | 18 9 | 1 16 | 18 41 | 1 7 | 22 55 | 0 15 | 6 22 | 1 45 | 10 17 | 0 35 | 19 33 | 0 41 | 2 27 | 16 15 | 20 18 | 20 6 | 11 7 | 11 32 | 6 33 |
| T 25 | 19 15 | 10 59 | 3 20 | 17 46 | 4 23 | 17 49 | 1 17 | 18 31 | 1 7 | 22 56 | 0 15 | 6 19 | 1 45 | 10 18 | 0 35 | 19 33 | 0 41 | 2 28 | 16 15 | 20 17 | 20 5 | 11 9 | 11 31 | 6 33 |
| W26 | 19 1 | 15 6 | 2 17 | 17 55 | 4 13 | 17 29 | 1 18 | 18 20 | 1 7 | 22 56 | 0 15 | 6 17 | 1 45 | 10 18 | 0 35 | 19 34 | 0 41 | 2 28 | 16 14 | 20 17 | 20 4 | 11 11 | 11 29 | 6 32 |
| T 27 | 18 48 | 18 20 | 1 7 | 18 4 | 4 3 | 17 8 | 1 19 | 18 9 | 1 7 | 22 57 | 0 15 | 6 14 | 1 45 | 10 18 | 0 35 | 19 34 | 0 41 | 2 29 | 16 13 | 20 17 | 20 4 | 11 13 | 11 27 | 6 32 |
| F 28 | 18 33 | 20 26 | 0s 7 | 18 13 | 3 52 | 16 47 | 1 20 | 17 58 | 1 7 | 22 57 | 0 15 | 6 12 | 1 45 | 10 19 | 0 35 | 19 34 | 0 41 | 2 29 | 16 13 | 20 17 | 20 3 | 11 14 | 11 26 | 6 32 |
| S 29 | 18 19 | 21 17 | 1 19 | 18 21 | 3 40 | 16 25 | 1 21 | 17 47 | 1 7 | 22 57 | 0 14 | 6 9 | 1 45 | 10 19 | 0 35 | 19 35 | 0 41 | 2 30 | 16 12 | 20 17 | 20 2 | 11 16 | 11 24 | 6 32 |
| S 30 | 18 4 | 20 52 | 2 26 | 18 30 | 3 27 | 16 3 | 1 22 | 17 36 | 1 8 | 22 58 | 0 14 | 6 7 | 1 45 | 10 20 | 0 35 | 19 35 | 0 41 | 2 30 | 16 12 | 20 17 | 20 2 | 11 18 | 11 22 | 6 32 |
| M31 | 17n49 | 19n16 | 3s24 | 18n39 | 3s14 | 15n41 | 1n23 | 17n25 | 1n 8 | 22s58 | 0n14 | 6n 4 | 1n45 | 10s20 | 0n35 | 19s35 | 0n41 | 2s31 | 16n11 | 20s15 | 20s 1 | 11s20 | 11n21 | 6s32 |

Julian Day Number = 2809664.5, Delta T = 52m46s
Ecliptic obliquity = 23°18'39, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°27'56, Lahiri = 37°34'57


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# ASTRODIENST EPHEMERIS for the year 2980
# geocentric

## AUGUST 2980 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 42 29 | 10♌16'51 | 26♋34 | 20♋32 | 22♌25 | 15♌19 | 5°R17 | 18♍46 | 28♎30 | 28°R55 | 22°D 6 | 0°R54 | 29♏50 | 21♎42 | 10♌ 6 | T 1 |
| W 2 | 20 46 26 | 11°14'10 | 9♌37 | 21°15 | 23°39 | 15°58 | 5♑12 | 18°53 | 28°32 | 28♑54 | 22♏ 6 | 0♐44 | 29°47 | 21°49 | 10°13 | W 2 |
| T 3 | 20 50 23 | 12°11'28 | 22°26 | 22° 4 | 24°53 | 16°37 | 5° 7 | 18°59 | 28°33 | 28°52 | 22° 6 | 0°32 | 29°43 | 21°55 | 10°20 | T 3 |
| F 4 | 20 54 19 | 13° 8'47 | 5♍ 2 | 22°58 | 26° 6 | 17°16 | 5° 3 | 19° 6 | 28°35 | 28°51 | 22° 6 | 0°20 | 29°40 | 22° 2 | 10°27 | F 4 |
| S 5 | 20 58 16 | 14° 6'06 | 17°23 | 23°57 | 27°20 | 17°54 | 4°58 | 19°12 | 28°36 | 28°49 | 22° 7 | 0° 8 | 29°37 | 22° 9 | 10°33 | S 5 |
| S 6 | 21 2 12 | 15° 3'26 | 29°31 | 25° 1 | 28°34 | 18°33 | 4°54 | 19°19 | 28°38 | 28°47 | 22° 7 | 29♏59 | 29°34 | 22°15 | 10°40 | S 6 |
| M 7 | 21 6 9 | 16° 0'46 | 11♎29 | 26°11 | 29°47 | 19°12 | 4°50 | 19°26 | 28°40 | 28°46 | 22° 7 | 29°52 | 29°31 | 22°22 | 10°47 | M 7 |
| T 8 | 21 10 5 | 16°58'06 | 23°20 | 27°25 | 1♍ 1 | 19°50 | 4°46 | 19°33 | 28°41 | 28°44 | 22° 7 | 29°47 | 29°28 | 22°29 | 10°54 | T 8 |
| W 9 | 21 14 2 | 17°55'27 | 5♏ 9 | 28°44 | 2°15 | 20°29 | 4°42 | 19°39 | 28°43 | 28°43 | 22° 7 | 29°45 | 29°24 | 22°35 | 11° 1 | W 9 |
| T 10 | 21 17 58 | 18°52'48 | 17° 1 | 0♌ 7 | 3°29 | 21° 8 | 4°38 | 19°46 | 28°45 | 28°41 | 22° 8 | 29°D44 | 29°21 | 22°42 | 11° 7 | T 10 |
| F 11 | 21 21 55 | 19°50'09 | 29° 0 | 1°35 | 4°42 | 21°46 | 4°34 | 19°53 | 28°47 | 28°40 | 22° 8 | 29°R45 | 29°18 | 22°49 | 11°14 | F 11 |
| S 12 | 21 25 52 | 20°47'31 | 11♐12 | 3° 8 | 5°56 | 22°25 | 4°31 | 20° 0 | 28°49 | 28°38 | 22° 8 | 29°44 | 29°15 | 22°55 | 11°21 | S 12 |
| S 13 | 21 29 48 | 21°44'53 | 23°43 | 4°45 | 7°10 | 23° 3 | 4°28 | 20° 7 | 28°51 | 28°37 | 22° 9 | 29°42 | 29°12 | 23° 2 | 11°28 | S 13 |
| M14 | 21 33 45 | 22°42'15 | 6♑37 | 6°25 | 8°23 | 23°42 | 4°25 | 20°14 | 28°53 | 28°35 | 22° 9 | 29°38 | 29° 9 | 23° 9 | 11°34 | M14 |
| T 15 | 21 37 41 | 23°39'39 | 19°55 | 8°10 | 9°37 | 24°20 | 4°22 | 20°21 | 28°55 | 28°34 | 22°10 | 29°32 | 29° 5 | 23°15 | 11°41 | T 15 |
| W16 | 21 41 38 | 24°37'02 | 3♒40 | 9°57 | 10°51 | 24°59 | 4°19 | 20°28 | 28°57 | 28°33 | 22°10 | 29°23 | 29° 2 | 23°22 | 11°48 | W16 |
| T 17 | 21 45 34 | 25°34'27 | 17°48 | 11°48 | 12° 4 | 25°37 | 4°17 | 20°35 | 28°59 | 28°31 | 22°11 | 29°12 | 28°59 | 23°29 | 11°55 | T 17 |
| F 18 | 21 49 31 | 26°31'52 | 2♓16 | 13°42 | 13°18 | 26°16 | 4°14 | 20°42 | 29° 1 | 28°30 | 22°11 | 29° 1 | 28°56 | 23°35 | 12° 1 | F 18 |
| S 19 | 21 53 27 | 27°29'18 | 16°56 | 15°38 | 14°31 | 26°54 | 4°12 | 20°50 | 29° 3 | 28°28 | 22°12 | 28°50 | 28°53 | 23°42 | 12° 8 | S 19 |
| S 20 | 21 57 24 | 28°26'45 | 1♈42 | 17°37 | 15°45 | 27°33 | 4°10 | 20°57 | 29° 6 | 28°27 | 22°13 | 28°41 | 28°49 | 23°49 | 12°15 | S 20 |
| M21 | 22 1 21 | 29°24'13 | 16°24 | 19°37 | 16°59 | 28°11 | 4° 9 | 21° 4 | 29° 8 | 28°26 | 22°13 | 28°34 | 28°46 | 23°55 | 12°21 | M21 |
| T 22 | 22 5 17 | 0♍21'42 | 0♉57 | 21°38 | 18°12 | 28°50 | 4° 7 | 21°11 | 29°10 | 28°24 | 22°14 | 28°30 | 28°43 | 24° 2 | 12°28 | T 22 |
| W23 | 22 9 14 | 1°19'12 | 15°17 | 23°41 | 19°26 | 29°28 | 4° 6 | 21°19 | 29°13 | 28°23 | 22°15 | 28°29 | 28°40 | 24° 9 | 12°34 | W23 |
| T 24 | 22 13 10 | 2°16'44 | 29°21 | 25°44 | 20°39 | 0♍ 6 | 4° 4 | 21°26 | 29°15 | 28°22 | 22°15 | 28°28 | 28°37 | 24°15 | 12°41 | T 24 |
| F 25 | 22 17 7 | 3°14'18 | 13♊ 9 | 27°48 | 21°53 | 0°45 | 4° 3 | 21°33 | 29°18 | 28°21 | 22°16 | 28°28 | 28°34 | 24°22 | 12°48 | F 25 |
| S 26 | 22 21 3 | 4°11'52 | 26°43 | 29°51 | 23° 7 | 1°23 | 4° 2 | 21°40 | 29°20 | 28°19 | 22°17 | 28°27 | 28°30 | 24°29 | 12°54 | S 26 |
| S 27 | 22 25 0 | 5° 9'28 | 10♋ 2 | 1♍55 | 24°20 | 2° 2 | 4° 2 | 21°48 | 29°23 | 28°18 | 22°18 | 28°23 | 28°27 | 24°35 | 13° 1 | S 27 |
| M28 | 22 28 56 | 6° 7'05 | 23° 9 | 3°58 | 25°34 | 2°40 | 4° 1 | 21°55 | 29°25 | 28°17 | 22°19 | 28°17 | 28°24 | 24°42 | 13° 7 | M28 |
| T 29 | 22 32 53 | 7° 4'44 | 6♌ 4 | 6° 0 | 26°47 | 3°18 | 4° 1 | 22° 3 | 29°28 | 28°16 | 22°20 | 28° 8 | 28°21 | 24°49 | 13°14 | T 29 |
| W30 | 22 36 50 | 8° 2'24 | 18°48 | 8° 2 | 28° 1 | 3°57 | 4°D 1 | 22°10 | 29°31 | 28°15 | 22°21 | 27°57 | 28°18 | 24°55 | 13°20 | W30 |
| T 31 | 22 40 46 | 9♍ 0'05 | 1♍20 | 10♍ 3 | 29♍14 | 4♍35 | 4♑ 1 | 22♍18 | 29♎33 | 28♑13 | 22♏22 | 27♏44 | 28♏14 | 25♎ 2 | 13♌27 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n34 | 16n38 | 4s10 | 18n47 | 3s 0 | 15n18 | 1n24 | 17n14 | 1n 8 | 22s58 | 0n14 | 6n 2 | 1n45 | 10s21 | 0n35 | 19s36 | 0n41 | 2s31 | 16n11 | 20s14 | 20s 0 | 11s22 | 11n19 | 6s32 |
| W 2 | 17 19 | 13 13 | 4 42 | 18 54 | 2 46 | 14 54 | 1 25 | 17 3 | 1 8 | 22 59 | 0 14 | 5 59 | 1 45 | 10 21 | 0 34 | 19 36 | 0 41 | 2 32 | 16 10 | 20 12 | 20 0 | 11 24 | 11 17 | 6 32 |
| T 3 | 17 3 | 9 15 | 4 59 | 19 1 | 2 32 | 14 30 | 1 26 | 16 51 | 1 8 | 22 59 | 0 14 | 5 56 | 1 45 | 10 22 | 0 34 | 19 36 | 0 41 | 2 33 | 16 9 | 20 9 | 19 59 | 11 26 | 11 15 | 6 32 |
| F 4 | 16 47 | 4 57 | 5 1 | 19 6 | 2 18 | 14 6 | 1 26 | 16 39 | 1 8 | 22 59 | 0 13 | 5 54 | 1 45 | 10 23 | 0 34 | 19 37 | 0 41 | 2 33 | 16 9 | 20 7 | 19 58 | 11 27 | 11 14 | 6 32 |
| S 5 | 16 31 | 0 32 | 4 48 | 19 11 | 2 3 | 13 42 | 1 27 | 16 28 | 1 8 | 23 0 | 0 13 | 5 51 | 1 44 | 10 23 | 0 34 | 19 37 | 0 41 | 2 34 | 16 8 | 20 4 | 19 58 | 11 29 | 11 12 | 6 32 |
| S 6 | 16 14 | 3s50 | 4 23 | 19 14 | 1 48 | 13 17 | 1 27 | 16 16 | 1 8 | 23 0 | 0 13 | 5 49 | 1 44 | 10 24 | 0 34 | 19 37 | 0 41 | 2 34 | 16 8 | 20 2 | 19 57 | 11 31 | 11 10 | 6 32 |
| M 7 | 15 57 | 8 0 | 3 46 | 19 16 | 1 33 | 12 51 | 1 28 | 16 4 | 1 8 | 23 0 | 0 13 | 5 46 | 1 44 | 10 24 | 0 34 | 19 38 | 0 41 | 2 35 | 16 7 | 20 1 | 19 56 | 11 33 | 11 8 | 6 32 |
| T 8 | 15 40 | 11 49 | 3 0 | 19 17 | 1 19 | 12 26 | 1 28 | 15 52 | 1 8 | 23 1 | 0 13 | 5 43 | 1 44 | 10 25 | 0 34 | 19 38 | 0 41 | 2 36 | 16 7 | 20 0 | 19 56 | 11 35 | 11 7 | 6 32 |
| W 9 | 15 23 | 15 10 | 2 7 | 19 15 | 1 4 | 12 0 | 1 29 | 15 40 | 1 8 | 23 1 | 0 13 | 5 41 | 1 44 | 10 26 | 0 34 | 19 38 | 0 41 | 2 36 | 16 6 | 19 59 | 19 55 | 11 37 | 11 5 | 6 32 |
| T 10 | 15 5 | 17 54 | 1 7 | 19 12 | 0 50 | 11 34 | 1 29 | 15 27 | 1 8 | 23 1 | 0 13 | 5 38 | 1 44 | 10 26 | 0 34 | 19 38 | 0 41 | 2 37 | 16 5 | 19 59 | 19 54 | 11 38 | 11 3 | 6 32 |
| F 11 | 14 47 | 19 54 | 0 4 | 19 7 | 0 36 | 11 7 | 1 29 | 15 15 | 1 8 | 23 2 | 0 12 | 5 35 | 1 44 | 10 27 | 0 34 | 19 39 | 0 41 | 2 38 | 16 5 | 19 59 | 19 54 | 11 40 | 11 1 | 6 32 |
| S 12 | 14 29 | 21 0 | 1n 0 | 19 0 | 0 22 | 10 40 | 1 29 | 15 3 | 1 8 | 23 2 | 0 12 | 5 32 | 1 44 | 10 28 | 0 34 | 19 39 | 0 41 | 2 38 | 16 4 | 19 59 | 19 53 | 11 42 | 10 59 | 6 32 |
| S 13 | 14 11 | 21 6 | 2 3 | 18 50 | 0 9 | 10 13 | 1 29 | 14 50 | 1 8 | 23 2 | 0 12 | 5 30 | 1 44 | 10 28 | 0 34 | 19 39 | 0 41 | 2 39 | 16 4 | 19 59 | 19 52 | 11 44 | 10 57 | 6 32 |
| M14 | 13 52 | 20 7 | 3 2 | 18 38 | 0n 4 | 9 46 | 1 29 | 14 38 | 1 8 | 23 2 | 0 12 | 5 27 | 1 44 | 10 29 | 0 34 | 19 40 | 0 41 | 2 39 | 16 3 | 19 58 | 19 52 | 11 46 | 10 56 | 6 32 |
| T 15 | 13 34 | 18 0 | 3 52 | 18 23 | 0 16 | 9 18 | 1 29 | 14 25 | 1 8 | 23 3 | 0 12 | 5 24 | 1 44 | 10 30 | 0 34 | 19 40 | 0 41 | 2 40 | 16 2 | 19 57 | 19 51 | 11 48 | 10 54 | 6 32 |
| W16 | 13 15 | 14 50 | 4 31 | 18 6 | 0 28 | 8 50 | 1 29 | 14 12 | 1 8 | 23 3 | 0 12 | 5 21 | 1 44 | 10 31 | 0 34 | 19 40 | 0 41 | 2 41 | 16 2 | 19 55 | 19 50 | 11 49 | 10 52 | 6 32 |
| T 17 | 12 56 | 10 44 | 4 55 | 17 46 | 0 38 | 8 22 | 1 29 | 13 59 | 1 8 | 23 3 | 0 12 | 5 18 | 1 44 | 10 31 | 0 34 | 19 41 | 0 41 | 2 42 | 16 1 | 19 52 | 19 49 | 11 51 | 10 50 | 6 33 |
| F 18 | 12 36 | 5 56 | 5 0 | 17 24 | 0 49 | 7 54 | 1 28 | 13 46 | 1 9 | 23 3 | 0 11 | 5 16 | 1 44 | 10 32 | 0 34 | 19 41 | 0 41 | 2 42 | 16 1 | 19 50 | 19 49 | 11 53 | 10 48 | 6 33 |
| S 19 | 12 17 | 0 44 | 4 46 | 16 59 | 0 58 | 7 25 | 1 28 | 13 33 | 1 9 | 23 3 | 0 11 | 5 13 | 1 44 | 10 33 | 0 34 | 19 41 | 0 41 | 2 43 | 16 0 | 19 47 | 19 48 | 11 55 | 10 46 | 6 33 |
| S 20 | 11 57 | 4n32 | 4 13 | 16 32 | 1 6 | 6 56 | 1 28 | 13 20 | 1 9 | 23 4 | 0 11 | 5 10 | 1 44 | 10 34 | 0 34 | 19 42 | 0 41 | 2 44 | 16 0 | 19 45 | 19 47 | 11 57 | 10 44 | 6 33 |
| M21 | 11 37 | 9 32 | 3 23 | 16 2 | 1 14 | 6 27 | 1 27 | 13 7 | 1 9 | 23 4 | 0 11 | 5 7 | 1 44 | 10 35 | 0 34 | 19 42 | 0 41 | 2 44 | 15 59 | 19 44 | 19 47 | 11 58 | 10 42 | 6 33 |
| T 22 | 11 17 | 13 56 | 2 20 | 15 30 | 1 21 | 5 58 | 1 27 | 12 53 | 1 9 | 23 4 | 0 11 | 5 4 | 1 44 | 10 36 | 0 34 | 19 42 | 0 41 | 2 45 | 15 58 | 19 43 | 19 46 | 12 0 | 10 40 | 6 33 |
| W23 | 10 57 | 17 26 | 1 9 | 14 55 | 1 27 | 5 29 | 1 26 | 12 40 | 1 9 | 23 4 | 0 11 | 5 1 | 1 44 | 10 37 | 0 34 | 19 42 | 0 41 | 2 46 | 15 58 | 19 43 | 19 45 | 12 2 | 10 39 | 6 33 |
| T 24 | 10 36 | 19 50 | 0s 5 | 14 19 | 1 32 | 4 59 | 1 25 | 12 27 | 1 9 | 23 4 | 0 10 | 4 59 | 1 44 | 10 37 | 0 34 | 19 43 | 0 41 | 2 47 | 15 57 | 19 43 | 19 45 | 12 4 | 10 37 | 6 33 |
| F 25 | 10 16 | 20 59 | 1 17 | 13 41 | 1 36 | 4 30 | 1 24 | 12 13 | 1 9 | 23 5 | 0 10 | 4 56 | 1 44 | 10 38 | 0 34 | 19 43 | 0 41 | 2 47 | 15 57 | 19 43 | 19 44 | 12 5 | 10 35 | 6 34 |
| S 26 | 9 55 | 20 53 | 2 23 | 13 1 | 1 40 | 4 0 | 1 24 | 12 0 | 1 9 | 23 5 | 0 10 | 4 53 | 1 44 | 10 39 | 0 34 | 19 43 | 0 41 | 2 48 | 15 56 | 19 42 | 19 43 | 12 7 | 10 33 | 6 34 |
| S 27 | 9 34 | 19 36 | 3 21 | 12 20 | 1 42 | 3 30 | 1 23 | 11 46 | 1 9 | 23 5 | 0 10 | 4 50 | 1 44 | 10 40 | 0 34 | 19 44 | 0 41 | 2 49 | 15 56 | 19 42 | 19 43 | 12 9 | 10 31 | 6 34 |
| M28 | 9 13 | 17 17 | 4 7 | 11 37 | 1 44 | 3 0 | 1 22 | 11 32 | 1 9 | 23 5 | 0 10 | 4 47 | 1 44 | 10 41 | 0 34 | 19 44 | 0 41 | 2 50 | 15 55 | 19 40 | 19 42 | 12 11 | 10 29 | 6 34 |
| T 29 | 8 52 | 14 9 | 4 39 | 10 53 | 1 45 | 2 30 | 1 21 | 11 18 | 1 9 | 23 5 | 0 10 | 4 44 | 1 44 | 10 42 | 0 34 | 19 44 | 0 41 | 2 50 | 15 55 | 19 38 | 19 41 | 12 13 | 10 27 | 6 34 |
| W30 | 8 31 | 10 24 | 4 57 | 10 8 | 1 45 | 2 0 | 1 20 | 11 5 | 1 9 | 23 5 | 0 10 | 4 41 | 1 44 | 10 43 | 0 34 | 19 44 | 0 41 | 2 51 | 15 54 | 19 36 | 19 40 | 12 14 | 10 25 | 6 34 |
| T 31 | 8n 9 | 6n16 | 5s 0 | 9n23 | 1n45 | 1n30 | 1n18 | 10n51 | 1n 9 | 23s 6 | 0n 9 | 4n38 | 1n44 | 10s44 | 0n34 | 19s45 | 0n41 | 2s52 | 15n53 | 19s33 | 19s40 | 12s16 | 10n23 | 6s35 |

Julian Day Number = 2809695.5, Delta T = 52m47s
Ecliptic obliquity = 23°18'39, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°28'01, Lahiri = 37°35'01


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# ASTRODIENST EPHEMERIS for the year 2980
# geocentric

## SEPTEMBER 2980 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 22 44 43 | 9♍57'47 | 13♍41 | 12♍ 2 | 0♎28 | 5♍13 | 4♑ 1 | 22♍25 | 29♎36 | 28°R12 | 22♏23 | 27°R31 | 28♏11 | 25♎ 9 | 13♌33 | F 1 |
| S 2 | 22 48 39 | 10°55'31 | 25°52 | 14° 1 | 1°42 | 5°52 | 4° 2 | 22°33 | 29°39 | 28♑11 | 22°24 | 27♏18 | 28° 8 | 25°15 | 13°39 | S 2 |
| S 3 | 22 52 36 | 11°53'15 | 7♎53 | 15°59 | 2°55 | 6°30 | 4° 2 | 22°40 | 29°42 | 28°10 | 22°25 | 27° 8 | 28° 5 | 25°22 | 13°46 | S 3 |
| M 4 | 22 56 32 | 12°51'01 | 19°47 | 17°55 | 4° 9 | 7° 8 | 4° 3 | 22°48 | 29°44 | 28° 9 | 22°26 | 27° 0 | 28° 2 | 25°29 | 13°52 | M 4 |
| T 5 | 23 0 29 | 13°48'48 | 1♏35 | 19°50 | 5°22 | 7°47 | 4° 4 | 22°55 | 29°47 | 28° 8 | 22°27 | 26°55 | 27°59 | 25°35 | 13°58 | T 5 |
| W 6 | 23 4 25 | 14°46'37 | 13°22 | 21°43 | 6°36 | 8°25 | 4° 5 | 23° 3 | 29°50 | 28° 7 | 22°28 | 26°52 | 27°55 | 25°42 | 14° 5 | W 6 |
| T 7 | 23 8 22 | 15°44'26 | 25°12 | 23°35 | 7°49 | 9° 3 | 4° 7 | 23°10 | 29°53 | 28° 6 | 22°30 | 26°D51 | 27°52 | 25°49 | 14°11 | T 7 |
| F 8 | 23 12 18 | 16°42'17 | 7♐ 9 | 25°26 | 9° 3 | 9°41 | 4° 8 | 23°18 | 29°56 | 28° 5 | 22°31 | 26°51 | 27°49 | 25°55 | 14°17 | F 8 |
| S 9 | 23 16 15 | 17°40'08 | 19°20 | 27°16 | 10°16 | 10°20 | 4°10 | 23°25 | 29°59 | 28° 4 | 22°32 | 26°R52 | 27°46 | 26° 2 | 14°23 | S 9 |
| S 10 | 23 20 12 | 18°38'01 | 1♑49 | 29° 4 | 11°29 | 10°58 | 4°12 | 23°33 | 0♏ 2 | 28° 3 | 22°34 | 26°51 | 27°43 | 26° 9 | 14°29 | S 10 |
| M11 | 23 24 8 | 19°35'55 | 14°41 | 0♎51 | 12°43 | 11°36 | 4°14 | 23°40 | 0° 5 | 28° 3 | 22°35 | 26°48 | 27°40 | 26°15 | 14°35 | M11 |
| T 12 | 23 28 5 | 20°33'50 | 28° 0 | 2°36 | 13°56 | 12°14 | 4°16 | 23°48 | 0° 8 | 28° 2 | 22°36 | 26°43 | 27°36 | 26°22 | 14°41 | T 12 |
| W13 | 23 32 1 | 21°31'47 | 11♒48 | 4°21 | 15°10 | 12°52 | 4°19 | 23°56 | 0°12 | 28° 1 | 22°38 | 26°36 | 27°33 | 26°29 | 14°47 | W13 |
| T 14 | 23 35 58 | 22°29'45 | 26° 4 | 6° 3 | 16°23 | 13°31 | 4°22 | 24° 3 | 0°15 | 28° 0 | 22°39 | 26°27 | 27°30 | 26°35 | 14°53 | T 14 |
| F 15 | 23 39 54 | 23°27'44 | 10♓44 | 7°45 | 17°36 | 14° 9 | 4°24 | 24°11 | 0°18 | 27°59 | 22°40 | 26°18 | 27°27 | 26°42 | 14°59 | F 15 |
| S 16 | 23 43 51 | 24°25'44 | 25°42 | 9°25 | 18°50 | 14°47 | 4°27 | 24°18 | 0°21 | 27°59 | 22°42 | 26° 8 | 27°24 | 26°49 | 15° 5 | S 16 |
| S 17 | 23 47 47 | 25°23'47 | 10♈47 | 11° 5 | 20° 3 | 15°25 | 4°31 | 24°26 | 0°24 | 27°58 | 22°43 | 26° 1 | 27°20 | 26°55 | 15°11 | S 17 |
| M18 | 23 51 44 | 26°21'50 | 25°51 | 12°42 | 21°16 | 16° 3 | 4°34 | 24°33 | 0°28 | 27°57 | 22°45 | 25°55 | 27°17 | 27° 2 | 15°17 | M18 |
| T 19 | 23 55 41 | 27°19'56 | 10♉44 | 14°19 | 22°30 | 16°41 | 4°38 | 24°41 | 0°31 | 27°57 | 22°47 | 25°52 | 27°14 | 27° 9 | 15°22 | T 19 |
| W20 | 23 59 37 | 28°18'04 | 25°20 | 15°55 | 23°43 | 17°19 | 4°41 | 24°49 | 0°34 | 27°56 | 22°48 | 25°D51 | 27°11 | 27°15 | 15°28 | W20 |
| T 21 | 0 3 34 | 29°16'13 | 9♊35 | 17°29 | 24°56 | 17°58 | 4°45 | 24°56 | 0°38 | 27°55 | 22°50 | 25°52 | 27° 8 | 27°22 | 15°34 | T 21 |
| F 22 | 0 7 30 | 0♎14'25 | 23°28 | 19° 2 | 26°10 | 18°36 | 4°49 | 25° 4 | 0°41 | 27°55 | 22°51 | 25°52 | 27° 5 | 27°29 | 15°39 | F 22 |
| S 23 | 0 11 27 | 1°12'38 | 7♋ 0 | 20°34 | 27°23 | 19°14 | 4°53 | 25°11 | 0°44 | 27°54 | 22°53 | 25°R53 | 27° 1 | 27°35 | 15°45 | S 23 |
| S 24 | 0 15 23 | 2°10'54 | 20°12 | 22° 4 | 28°36 | 19°52 | 4°58 | 25°19 | 0°48 | 27°54 | 22°55 | 25°51 | 26°58 | 27°42 | 15°50 | S 24 |
| M25 | 0 19 20 | 3° 9'11 | 3♌ 7 | 23°34 | 29°49 | 20°30 | 5° 2 | 25°26 | 0°51 | 27°53 | 22°57 | 25°47 | 26°55 | 27°49 | 15°56 | M25 |
| T 26 | 0 23 16 | 4° 7'31 | 15°47 | 25° 2 | 1♏ 2 | 21° 8 | 5° 7 | 25°34 | 0°55 | 27°53 | 22°58 | 25°41 | 26°52 | 27°55 | 16° 1 | T 26 |
| W27 | 0 27 13 | 5° 5'52 | 28°15 | 26°29 | 2°16 | 21°46 | 5°12 | 25°42 | 0°58 | 27°53 | 23° 0 | 25°33 | 26°49 | 28° 2 | 16° 6 | W27 |
| T 28 | 0 31 10 | 6° 4'16 | 10♍32 | 27°55 | 3°29 | 22°24 | 5°17 | 25°49 | 1° 2 | 27°52 | 23° 2 | 25°24 | 26°46 | 28° 9 | 16°12 | T 28 |
| F 29 | 0 35 6 | 7° 2'41 | 22°41 | 29°20 | 4°42 | 23° 2 | 5°22 | 25°57 | 1° 5 | 27°52 | 23° 4 | 25°15 | 26°42 | 28°15 | 16°17 | F 29 |
| S 30 | 0 39 3 | 8♎ 1'08 | 4♎41 | 0♏43 | 5♏55 | 23♍41 | 5♑28 | 26♍ 4 | 1♏ 9 | 27♑52 | 23♏ 5 | 25♏ 6 | 26♏39 | 28♎22 | 16♌22 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7n48 | 1n56 | 4s49 | 8n36 | 1n44 | 1n 0 | 1n17 | 10n37 | 1n 9 | 23s 6 | 0n 9 | 4n35 | 1n44 | 10s45 | 0n33 | 19s45 | 0n41 | 2s53 | 15n53 | 19s30 | 19s39 | 12s18 | 10n21 | 6s35 |
| S 2 | 7 26 | 2s25 | 4 25 | 7 49 | 1 42 | 0 29 | 1 16 | 10 23 | 1 9 | 23 6 | 0 9 | 4 32 | 1 44 | 10 46 | 0 33 | 19 45 | 0 41 | 2 53 | 15 52 | 19 27 | 19 38 | 12 20 | 10 19 | 6 35 |
| S 3 | 7 4 | 6 37 | 3 49 | 7 2 | 1 40 | 0s 1 | 1 14 | 10 8 | 1 9 | 23 6 | 0 9 | 4 29 | 1 44 | 10 47 | 0 33 | 19 45 | 0 41 | 2 54 | 15 52 | 19 25 | 19 38 | 12 21 | 10 17 | 6 35 |
| M 4 | 6 42 | 10 32 | 3 3 | 6 14 | 1 37 | 0 31 | 1 13 | 9 54 | 1 8 | 23 6 | 0 9 | 4 27 | 1 44 | 10 48 | 0 33 | 19 45 | 0 41 | 2 55 | 15 51 | 19 23 | 19 37 | 12 23 | 10 15 | 6 36 |
| T 5 | 6 20 | 14 0 | 2 10 | 5 26 | 1 33 | 1 2 | 1 12 | 9 40 | 1 8 | 23 6 | 0 9 | 4 24 | 1 44 | 10 49 | 0 33 | 19 46 | 0 41 | 2 56 | 15 51 | 19 22 | 19 36 | 12 25 | 10 13 | 6 36 |
| W 6 | 5 58 | 16 54 | 1 11 | 4 38 | 1 30 | 1 32 | 1 10 | 9 26 | 1 8 | 23 6 | 0 9 | 4 21 | 1 44 | 10 50 | 0 33 | 19 46 | 0 40 | 2 56 | 15 50 | 19 21 | 19 35 | 12 27 | 10 11 | 6 36 |
| T 7 | 5 36 | 19 6 | 0 9 | 3 50 | 1 25 | 2 2 | 1 8 | 9 11 | 1 8 | 23 6 | 0 8 | 4 18 | 1 44 | 10 51 | 0 33 | 19 46 | 0 40 | 2 57 | 15 50 | 19 21 | 19 35 | 12 28 | 10 9 | 6 36 |
| F 8 | 5 13 | 20 29 | 0n55 | 3 2 | 1 21 | 2 33 | 1 7 | 8 57 | 1 8 | 23 7 | 0 8 | 4 15 | 1 44 | 10 52 | 0 33 | 19 46 | 0 40 | 2 58 | 15 49 | 19 21 | 19 34 | 12 30 | 10 7 | 6 37 |
| S 9 | 4 51 | 20 57 | 1 57 | 2 14 | 1 16 | 3 3 | 1 5 | 8 43 | 1 8 | 23 7 | 0 8 | 4 12 | 1 44 | 10 53 | 0 33 | 19 47 | 0 40 | 2 59 | 15 49 | 19 21 | 19 33 | 12 32 | 10 5 | 6 37 |
| S 10 | 4 28 | 20 23 | 2 55 | 1 27 | 1 10 | 3 33 | 1 3 | 8 28 | 1 8 | 23 7 | 0 8 | 4 9 | 1 44 | 10 54 | 0 33 | 19 47 | 0 40 | 3 0 | 15 48 | 19 21 | 19 33 | 12 33 | 10 3 | 6 37 |
| M11 | 4 6 | 18 46 | 3 46 | 0 39 | 1 5 | 4 3 | 1 1 | 8 14 | 1 8 | 23 7 | 0 8 | 4 6 | 1 44 | 10 55 | 0 33 | 19 47 | 0 40 | 3 0 | 15 48 | 19 20 | 19 32 | 12 35 | 10 1 | 6 37 |
| T 12 | 3 43 | 16 5 | 4 27 | 0s 8 | 0 59 | 4 33 | 0 59 | 7 59 | 1 8 | 23 7 | 0 8 | 4 3 | 1 44 | 10 57 | 0 33 | 19 47 | 0 40 | 3 1 | 15 47 | 19 19 | 19 31 | 12 37 | 9 59 | 6 38 |
| W13 | 3 21 | 12 27 | 4 54 | 0 55 | 0 52 | 5 3 | 0 57 | 7 45 | 1 8 | 23 7 | 0 8 | 4 0 | 1 44 | 10 58 | 0 33 | 19 47 | 0 40 | 3 2 | 15 47 | 19 17 | 19 31 | 12 39 | 9 57 | 6 38 |
| T 14 | 2 58 | 7 59 | 5 4 | 1 42 | 0 46 | 5 33 | 0 55 | 7 30 | 1 8 | 23 7 | 0 7 | 3 57 | 1 45 | 10 59 | 0 33 | 19 48 | 0 40 | 3 3 | 15 46 | 19 15 | 19 30 | 12 40 | 9 55 | 6 38 |
| F 15 | 2 35 | 2 57 | 4 54 | 2 28 | 0 39 | 6 3 | 0 53 | 7 15 | 1 8 | 23 7 | 0 7 | 3 54 | 1 45 | 11 0 | 0 33 | 19 48 | 0 40 | 3 4 | 15 46 | 19 13 | 19 29 | 12 42 | 9 53 | 6 39 |
| S 16 | 2 12 | 2n21 | 4 25 | 3 13 | 0 32 | 6 33 | 0 51 | 7 1 | 1 8 | 23 7 | 0 7 | 3 51 | 1 45 | 11 1 | 0 33 | 19 48 | 0 40 | 3 5 | 15 45 | 19 11 | 19 28 | 12 44 | 9 51 | 6 39 |
| S 17 | 1 49 | 7 34 | 3 37 | 3 59 | 0 25 | 7 2 | 0 49 | 6 46 | 1 8 | 23 7 | 0 7 | 3 48 | 1 45 | 11 2 | 0 33 | 19 48 | 0 40 | 3 5 | 15 45 | 19 9 | 19 28 | 12 45 | 9 49 | 6 39 |
| M18 | 1 26 | 12 19 | 2 33 | 4 43 | 0 18 | 7 32 | 0 47 | 6 31 | 1 8 | 23 7 | 0 7 | 3 45 | 1 45 | 11 3 | 0 33 | 19 48 | 0 40 | 3 6 | 15 44 | 19 8 | 19 27 | 12 47 | 9 47 | 6 40 |
| T 19 | 1 3 | 16 14 | 1 20 | 5 28 | 0 10 | 8 1 | 0 44 | 6 16 | 1 8 | 23 7 | 0 7 | 3 42 | 1 45 | 11 5 | 0 33 | 19 48 | 0 40 | 3 7 | 15 44 | 19 7 | 19 26 | 12 49 | 9 45 | 6 40 |
| W20 | 0 40 | 19 2 | 0 3 | 6 11 | 0 3 | 8 30 | 0 42 | 6 1 | 1 8 | 23 7 | 0 7 | 3 39 | 1 45 | 11 6 | 0 33 | 19 49 | 0 40 | 3 8 | 15 43 | 19 7 | 19 25 | 12 50 | 9 44 | 6 40 |
| T 21 | 0 17 | 20 34 | 1s13 | 6 54 | 0s 5 | 8 59 | 0 40 | 5 46 | 1 8 | 23 7 | 0 7 | 3 37 | 1 45 | 11 7 | 0 33 | 19 49 | 0 40 | 3 9 | 15 43 | 19 7 | 19 25 | 12 52 | 9 42 | 6 41 |
| F 22 | 0s 6 | 20 47 | 2 23 | 7 37 | 0 13 | 9 28 | 0 37 | 5 32 | 1 8 | 23 7 | 0 6 | 3 34 | 1 45 | 11 8 | 0 33 | 19 49 | 0 40 | 3 9 | 15 42 | 19 7 | 19 24 | 12 54 | 9 40 | 6 41 |
| S 23 | 0 29 | 19 45 | 3 22 | 8 18 | 0 21 | 9 57 | 0 35 | 5 17 | 1 8 | 23 7 | 0 6 | 3 31 | 1 45 | 11 9 | 0 33 | 19 49 | 0 40 | 3 10 | 15 42 | 19 7 | 19 23 | 12 56 | 9 38 | 6 42 |
| S 24 | 0 52 | 17 41 | 4 10 | 9 0 | 0 28 | 10 25 | 0 32 | 5 2 | 1 7 | 23 7 | 0 6 | 3 28 | 1 45 | 11 11 | 0 33 | 19 49 | 0 40 | 3 11 | 15 41 | 19 7 | 19 23 | 12 57 | 9 36 | 6 42 |
| M25 | 1 15 | 14 45 | 4 43 | 9 40 | 0 36 | 10 53 | 0 30 | 4 47 | 1 7 | 23 7 | 0 6 | 3 25 | 1 45 | 11 12 | 0 33 | 19 49 | 0 40 | 3 12 | 15 41 | 19 6 | 19 22 | 12 59 | 9 34 | 6 42 |
| T 26 | 1 38 | 11 12 | 5 2 | 10 20 | 0 44 | 11 21 | 0 27 | 4 32 | 1 7 | 23 7 | 0 6 | 3 22 | 1 45 | 11 13 | 0 33 | 19 49 | 0 40 | 3 13 | 15 41 | 19 5 | 19 21 | 13 1 | 9 32 | 6 43 |
| W27 | 2 1 | 7 13 | 5 6 | 10 59 | 0 52 | 11 49 | 0 24 | 4 17 | 1 7 | 23 7 | 0 6 | 3 19 | 1 45 | 11 14 | 0 33 | 19 49 | 0 40 | 3 14 | 15 40 | 19 3 | 19 20 | 13 2 | 9 30 | 6 43 |
| T 28 | 2 24 | 3 0 | 4 56 | 11 37 | 1 0 | 12 16 | 0 22 | 4 2 | 1 7 | 23 7 | 0 6 | 3 16 | 1 45 | 11 15 | 0 33 | 19 50 | 0 40 | 3 14 | 15 40 | 19 1 | 19 20 | 13 4 | 9 28 | 6 44 |
| F 29 | 2 47 | 1s17 | 4 33 | 12 15 | 1 8 | 12 43 | 0 19 | 3 46 | 1 7 | 23 7 | 0 6 | 3 13 | 1 46 | 11 17 | 0 33 | 19 50 | 0 40 | 3 15 | 15 39 | 18 58 | 19 19 | 13 6 | 9 26 | 6 44 |
| S 30 | 3s10 | 5s29 | 3s57 | 12s51 | 1s16 | 13s10 | 0n16 | 3n31 | 1n 7 | 23s 7 | 0n 5 | 3n10 | 1n46 | 11s18 | 0n33 | 19s50 | 0n40 | 3s16 | 15n39 | 18s56 | 19s18 | 13s 7 | 9n24 | 6s44 |

Julian Day Number = 2809726.5, Delta T = 52m47s
Ecliptic obliquity = 23°18'40, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°28'05, Lahiri = 37°35'05


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# ASTRODIENST EPHEMERIS for the year 2980
# geocentric

## OCTOBER 2980 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 42 59 | 8♎59'37 | 16♎35 | 2♏ 6 | 7♏ 8 | 24♍19 | 5♑33 | 26♍12 | 1♏12 | 27°R51 | 23♏ 7 | 24°R59 | 26♏36 | 28♎29 | 16♌27 | S 1 |
| M 2 | 0 46 56 | 9°58'07 | 28°24 | 3°26 | 8°21 | 24°57 | 5°39 | 26°19 | 1°16 | 27♑51 | 23° 9 | 24♏53 | 26°33 | 28°35 | 16°32 | M 2 |
| T 3 | 0 50 52 | 10°56'40 | 10♏11 | 4°46 | 9°35 | 25°35 | 5°45 | 26°26 | 1°20 | 27°51 | 23°11 | 24°50 | 26°30 | 28°42 | 16°37 | T 3 |
| W 4 | 0 54 49 | 11°55'14 | 21°58 | 6° 4 | 10°48 | 26°13 | 5°51 | 26°34 | 1°23 | 27°51 | 23°13 | 24°D49 | 26°26 | 28°49 | 16°42 | W 4 |
| T 5 | 0 58 45 | 12°53'50 | 3♐49 | 7°21 | 12° 1 | 26°51 | 5°57 | 26°41 | 1°27 | 27°51 | 23°15 | 24°49 | 26°23 | 28°55 | 16°47 | T 5 |
| F 6 | 1 2 42 | 13°52'28 | 15°47 | 8°36 | 13°14 | 27°29 | 6° 3 | 26°49 | 1°31 | 27°51 | 23°17 | 24°51 | 26°20 | 29° 2 | 16°52 | F 6 |
| S 7 | 1 6 38 | 14°51'07 | 27°57 | 9°49 | 14°27 | 28° 7 | 6°10 | 26°56 | 1°34 | 27°50 | 23°19 | 24°52 | 26°17 | 29° 9 | 16°56 | S 7 |
| S 8 | 1 10 35 | 15°49'48 | 10♑24 | 11° 1 | 15°40 | 28°45 | 6°16 | 27° 3 | 1°38 | 27°50 | 23°21 | 24°R53 | 26°14 | 29°15 | 17° 1 | S 8 |
| M 9 | 1 14 32 | 16°48'31 | 23°12 | 12°11 | 16°53 | 29°23 | 6°23 | 27°11 | 1°42 | 27°D50 | 23°23 | 24°53 | 26°11 | 29°22 | 17° 6 | M 9 |
| T 10 | 1 18 28 | 17°47'15 | 6♒26 | 13°20 | 18° 6 | 0♎ 1 | 6°30 | 27°18 | 1°45 | 27°50 | 23°25 | 24°52 | 26° 7 | 29°29 | 17°10 | T 10 |
| W11 | 1 22 25 | 18°46'01 | 20° 8 | 14°26 | 19°19 | 0°39 | 6°37 | 27°25 | 1°49 | 27°50 | 23°27 | 24°48 | 26° 4 | 29°35 | 17°15 | W11 |
| T 12 | 1 26 21 | 19°44'48 | 4♓18 | 15°30 | 20°32 | 1°17 | 6°44 | 27°32 | 1°53 | 27°51 | 23°29 | 24°44 | 26° 1 | 29°42 | 17°19 | T 12 |
| F 13 | 1 30 18 | 20°43'37 | 18°56 | 16°32 | 21°45 | 1°55 | 6°52 | 27°40 | 1°56 | 27°51 | 23°31 | 24°39 | 25°58 | 29°49 | 17°23 | F 13 |
| S 14 | 1 34 14 | 21°42'28 | 3♈55 | 17°31 | 22°58 | 2°33 | 6°59 | 27°47 | 2° 0 | 27°51 | 23°33 | 24°34 | 25°55 | 29°55 | 17°28 | S 14 |
| S 15 | 1 38 11 | 22°41'21 | 19° 7 | 18°27 | 24°10 | 3°11 | 7° 7 | 27°54 | 2° 4 | 27°51 | 23°36 | 24°30 | 25°51 | 0♏ 2 | 17°32 | S 15 |
| M16 | 1 42 7 | 23°40'16 | 4♉22 | 19°21 | 25°23 | 3°49 | 7°15 | 28° 1 | 2° 8 | 27°51 | 23°38 | 24°27 | 25°48 | 0° 9 | 17°36 | M16 |
| T 17 | 1 46 4 | 24°39'13 | 19°30 | 20°12 | 26°36 | 4°27 | 7°23 | 28° 8 | 2°11 | 27°52 | 23°40 | 24°D26 | 25°45 | 0°15 | 17°40 | T 17 |
| W18 | 1 50 1 | 25°38'12 | 4♊22 | 20°59 | 27°49 | 5° 5 | 7°31 | 28°15 | 2°15 | 27°52 | 23°42 | 24°26 | 25°42 | 0°22 | 17°44 | W18 |
| T 19 | 1 53 57 | 26°37'13 | 18°53 | 21°42 | 29° 2 | 5°43 | 7°39 | 28°22 | 2°19 | 27°52 | 23°44 | 24°28 | 25°39 | 0°28 | 17°48 | T 19 |
| F 20 | 1 57 54 | 27°36'17 | 2♋58 | 22°21 | 0♐14 | 6°21 | 7°47 | 28°29 | 2°23 | 27°53 | 23°47 | 24°29 | 25°36 | 0°35 | 17°51 | F 20 |
| S 21 | 2 1 50 | 28°35'22 | 16°37 | 22°56 | 1°27 | 6°59 | 7°55 | 28°36 | 2°27 | 27°53 | 23°49 | 24°30 | 25°32 | 0°42 | 17°55 | S 21 |
| S 22 | 2 5 47 | 29°34'30 | 29°52 | 23°26 | 2°40 | 7°37 | 8° 4 | 28°43 | 2°30 | 27°53 | 23°51 | 24°R31 | 25°29 | 0°48 | 17°59 | S 22 |
| M23 | 2 9 43 | 0♏33'41 | 12♌44 | 23°51 | 3°52 | 8°15 | 8°13 | 28°50 | 2°34 | 27°54 | 23°53 | 24°30 | 25°26 | 0°55 | 18° 2 | M23 |
| T 24 | 2 13 40 | 1°32'53 | 25°19 | 24°10 | 5° 5 | 8°53 | 8°21 | 28°57 | 2°38 | 27°54 | 23°56 | 24°29 | 25°23 | 1° 2 | 18° 6 | T 24 |
| W25 | 2 17 36 | 2°32'08 | 7♍37 | 24°23 | 6°18 | 9°31 | 8°30 | 29° 3 | 2°42 | 27°55 | 23°58 | 24°26 | 25°20 | 1° 8 | 18° 9 | W25 |
| T 26 | 2 21 33 | 3°31'25 | 19°45 | 24°R29 | 7°30 | 10° 9 | 8°39 | 29°10 | 2°46 | 27°55 | 24° 0 | 24°23 | 25°17 | 1°15 | 18°13 | T 26 |
| F 27 | 2 25 30 | 4°30'44 | 1♎43 | 24°28 | 8°43 | 10°47 | 8°49 | 29°17 | 2°49 | 27°56 | 24° 2 | 24°19 | 25°13 | 1°22 | 18°16 | F 27 |
| S 28 | 2 29 26 | 5°30'05 | 13°36 | 24°19 | 9°56 | 11°25 | 8°58 | 29°24 | 2°53 | 27°57 | 24° 5 | 24°16 | 25°10 | 1°28 | 18°19 | S 28 |
| S 29 | 2 33 23 | 6°29'29 | 25°25 | 24° 2 | 11° 8 | 12° 3 | 9° 7 | 29°30 | 2°57 | 27°57 | 24° 7 | 24°14 | 25° 7 | 1°35 | 18°22 | S 29 |
| M30 | 2 37 19 | 7°28'54 | 7♏13 | 23°37 | 12°21 | 12°41 | 9°17 | 29°37 | 3° 1 | 27°58 | 24° 9 | 24°12 | 25° 4 | 1°42 | 18°25 | M30 |
| T 31 | 2 41 16 | 8♏28'21 | 19♏ 1 | 23♏ 4 | 13♐33 | 13♎19 | 9♑26 | 29♍43 | 3♏ 4 | 27♑59 | 24♏12 | 24°D11 | 25♏ 1 | 1♏48 | 18♌28 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3s33 | 9s26 | 3s12 | 13s27 | 1s24 | 13s37 | 0n14 | 3n16 | 1n 7 | 23s 6 | 0n 5 | 3n 7 | 1n46 | 11s19 | 0n33 | 19s50 | 0n40 | 3s17 | 15n38 | 18s55 | 19s17 | 13s 9 | 9n22 | 6s45 |
| M 2 | 3 56 | 13 0 | 2 18 | 14 2 | 1 32 | 14 3 | 0 11 | 3 1 | 1 7 | 23 6 | 0 5 | 3 5 | 1 46 | 11 20 | 0 33 | 19 50 | 0 40 | 3 18 | 15 38 | 18 53 | 19 17 | 13 10 | 9 20 | 6 45 |
| T 3 | 4 19 | 16 2 | 1 19 | 14 36 | 1 40 | 14 29 | 0 8 | 2 46 | 1 7 | 23 6 | 0 5 | 3 2 | 1 46 | 11 22 | 0 33 | 19 50 | 0 40 | 3 18 | 15 38 | 18 52 | 19 16 | 13 12 | 9 19 | 6 46 |
| W 4 | 4 41 | 18 25 | 0 15 | 15 10 | 1 47 | 14 54 | 0 5 | 2 31 | 1 7 | 23 6 | 0 5 | 2 59 | 1 46 | 11 23 | 0 33 | 19 50 | 0 40 | 3 19 | 15 37 | 18 52 | 19 15 | 13 14 | 9 17 | 6 46 |
| T 5 | 5 4 | 20 0 | 0n49 | 15 42 | 1 55 | 15 19 | 0 2 | 2 16 | 1 6 | 23 6 | 0 5 | 2 56 | 1 46 | 11 24 | 0 33 | 19 50 | 0 40 | 3 20 | 15 37 | 18 52 | 19 15 | 13 15 | 9 15 | 6 47 |
| F 6 | 5 27 | 20 42 | 1 52 | 16 14 | 2 2 | 15 44 | 0s 1 | 2 1 | 1 6 | 23 6 | 0 5 | 2 53 | 1 46 | 11 25 | 0 33 | 19 50 | 0 40 | 3 21 | 15 37 | 18 53 | 19 14 | 13 17 | 9 13 | 6 47 |
| S 7 | 5 49 | 20 27 | 2 51 | 16 44 | 2 10 | 16 9 | 0 4 | 1 45 | 1 6 | 23 6 | 0 5 | 2 50 | 1 46 | 11 27 | 0 33 | 19 50 | 0 40 | 3 22 | 15 36 | 18 53 | 19 13 | 13 19 | 9 11 | 6 48 |
| S 8 | 6 12 | 19 12 | 3 43 | 17 13 | 2 17 | 16 33 | 0 7 | 1 30 | 1 6 | 23 5 | 0 4 | 2 48 | 1 46 | 11 28 | 0 33 | 19 50 | 0 40 | 3 22 | 15 36 | 18 53 | 19 12 | 13 20 | 9 9 | 6 48 |
| M 9 | 6 34 | 16 57 | 4 26 | 17 42 | 2 24 | 16 57 | 0 10 | 1 15 | 1 6 | 23 5 | 0 4 | 2 45 | 1 47 | 11 29 | 0 33 | 19 50 | 0 40 | 3 23 | 15 35 | 18 53 | 19 12 | 13 22 | 9 8 | 6 49 |
| T 10 | 6 57 | 13 47 | 4 56 | 18 9 | 2 31 | 17 20 | 0 13 | 1 0 | 1 6 | 23 5 | 0 4 | 2 42 | 1 47 | 11 31 | 0 33 | 19 50 | 0 39 | 3 24 | 15 35 | 18 53 | 19 11 | 13 24 | 9 6 | 6 49 |
| W11 | 7 19 | 9 46 | 5 11 | 18 35 | 2 37 | 17 43 | 0 16 | 0 45 | 1 6 | 23 5 | 0 4 | 2 39 | 1 47 | 11 32 | 0 33 | 19 50 | 0 39 | 3 25 | 15 35 | 18 52 | 19 10 | 13 25 | 9 4 | 6 50 |
| T 12 | 7 41 | 5 6 | 5 8 | 19 0 | 2 44 | 18 5 | 0 19 | 0 30 | 1 6 | 23 4 | 0 4 | 2 37 | 1 47 | 11 33 | 0 33 | 19 50 | 0 39 | 3 26 | 15 34 | 18 51 | 19 9 | 13 27 | 9 2 | 6 50 |
| F 13 | 8 3 | 0n 1 | 4 45 | 19 24 | 2 50 | 18 27 | 0 22 | 0 15 | 1 5 | 23 4 | 0 4 | 2 34 | 1 47 | 11 34 | 0 33 | 19 50 | 0 39 | 3 26 | 15 34 | 18 50 | 19 9 | 13 28 | 9 0 | 6 51 |
| S 14 | 8 25 | 5 15 | 4 2 | 19 46 | 2 55 | 18 49 | 0 25 | 0s 1 | 1 5 | 23 4 | 0 4 | 2 31 | 1 47 | 11 36 | 0 33 | 19 50 | 0 39 | 3 27 | 15 34 | 18 49 | 19 8 | 13 30 | 8 59 | 6 51 |
| S 15 | 8 47 | 10 15 | 3 2 | 20 7 | 3 1 | 19 10 | 0 28 | 0 16 | 1 5 | 23 4 | 0 4 | 2 28 | 1 47 | 11 37 | 0 33 | 19 50 | 0 39 | 3 28 | 15 34 | 18 48 | 19 7 | 13 32 | 8 57 | 6 52 |
| M16 | 9 8 | 14 36 | 1 48 | 20 27 | 3 6 | 19 30 | 0 31 | 0 31 | 1 5 | 23 3 | 0 4 | 2 26 | 1 47 | 11 38 | 0 33 | 19 50 | 0 39 | 3 29 | 15 33 | 18 47 | 19 6 | 13 33 | 8 55 | 6 52 |
| T 17 | 9 30 | 17 57 | 0 27 | 20 45 | 3 10 | 19 50 | 0 34 | 0 46 | 1 5 | 23 3 | 0 3 | 2 23 | 1 47 | 11 40 | 0 33 | 19 50 | 0 39 | 3 30 | 15 33 | 18 47 | 19 6 | 13 35 | 8 54 | 6 53 |
| W18 | 9 52 | 20 1 | 0s54 | 21 2 | 3 14 | 20 10 | 0 37 | 1 1 | 1 5 | 23 3 | 0 3 | 2 20 | 1 48 | 11 41 | 0 33 | 19 50 | 0 39 | 3 30 | 15 33 | 18 47 | 19 5 | 13 36 | 8 52 | 6 53 |
| T 19 | 10 13 | 20 41 | 2 10 | 21 17 | 3 18 | 20 29 | 0 40 | 1 16 | 1 5 | 23 2 | 0 3 | 2 18 | 1 48 | 11 42 | 0 33 | 19 50 | 0 39 | 3 31 | 15 32 | 18 47 | 19 4 | 13 38 | 8 50 | 6 54 |
| F 20 | 10 34 | 20 0 | 3 16 | 21 30 | 3 21 | 20 48 | 0 43 | 1 31 | 1 4 | 23 2 | 0 3 | 2 15 | 1 48 | 11 44 | 0 33 | 19 50 | 0 39 | 3 32 | 15 32 | 18 47 | 19 3 | 13 40 | 8 49 | 6 54 |
| S 21 | 10 55 | 18 10 | 4 9 | 21 41 | 3 23 | 21 6 | 0 46 | 1 46 | 1 4 | 23 2 | 0 3 | 2 12 | 1 48 | 11 45 | 0 33 | 19 50 | 0 39 | 3 33 | 15 32 | 18 48 | 19 3 | 13 41 | 8 47 | 6 55 |
| S 22 | 11 16 | 15 24 | 4 46 | 21 50 | 3 24 | 21 23 | 0 49 | 2 2 | 1 4 | 23 1 | 0 3 | 2 10 | 1 48 | 11 46 | 0 33 | 19 50 | 0 39 | 3 33 | 15 32 | 18 48 | 19 2 | 13 43 | 8 45 | 6 56 |
| M23 | 11 36 | 11 57 | 5 8 | 21 57 | 3 25 | 21 40 | 0 52 | 2 17 | 1 4 | 23 1 | 0 3 | 2 7 | 1 48 | 11 47 | 0 32 | 19 50 | 0 39 | 3 34 | 15 31 | 18 48 | 19 1 | 13 44 | 8 44 | 6 56 |
| T 24 | 11 57 | 8 4 | 5 15 | 22 1 | 3 25 | 21 56 | 0 55 | 2 32 | 1 4 | 23 0 | 0 3 | 2 5 | 1 48 | 11 49 | 0 32 | 19 50 | 0 39 | 3 35 | 15 31 | 18 47 | 19 0 | 13 46 | 8 42 | 6 57 |
| W25 | 12 17 | 3 55 | 5 7 | 22 3 | 3 24 | 22 12 | 0 58 | 2 47 | 1 4 | 23 0 | 0 3 | 2 2 | 1 49 | 11 50 | 0 32 | 19 50 | 0 39 | 3 36 | 15 31 | 18 47 | 19 0 | 13 47 | 8 41 | 6 57 |
| T 26 | 12 37 | 0s20 | 4 45 | 22 2 | 3 21 | 22 27 | 1 1 | 3 2 | 1 3 | 22 59 | 0 2 | 2 0 | 1 49 | 11 51 | 0 32 | 19 50 | 0 39 | 3 36 | 15 31 | 18 46 | 18 59 | 13 49 | 8 39 | 6 58 |
| F 27 | 12 57 | 4 31 | 4 11 | 21 59 | 3 18 | 22 42 | 1 4 | 3 17 | 1 3 | 22 59 | 0 2 | 1 57 | 1 49 | 11 53 | 0 32 | 19 50 | 0 39 | 3 37 | 15 31 | 18 45 | 18 58 | 13 51 | 8 37 | 6 59 |
| S 28 | 13 17 | 8 30 | 3 26 | 21 52 | 3 13 | 22 55 | 1 7 | 3 32 | 1 3 | 22 58 | 0 2 | 1 55 | 1 49 | 11 54 | 0 32 | 19 50 | 0 39 | 3 38 | 15 30 | 18 44 | 18 57 | 13 52 | 8 36 | 6 59 |
| S 29 | 13 37 | 12 9 | 2 33 | 21 41 | 3 6 | 23 9 | 1 10 | 3 46 | 1 3 | 22 58 | 0 2 | 1 52 | 1 49 | 11 55 | 0 32 | 19 49 | 0 39 | 3 38 | 15 30 | 18 44 | 18 57 | 13 54 | 8 34 | 7 0 |
| M30 | 13 56 | 15 18 | 1 33 | 21 27 | 2 58 | 23 21 | 1 13 | 4 1 | 1 3 | 22 57 | 0 2 | 1 50 | 1 49 | 11 56 | 0 32 | 19 49 | 0 39 | 3 39 | 15 30 | 18 43 | 18 56 | 13 55 | 8 33 | 7 0 |
| T 31 | 14s15 | 17s50 | 0s29 | 21s 9 | 2s48 | 23s33 | 1s16 | 4s16 | 1n 3 | 22s57 | 0n 2 | 1n47 | 1n50 | 11s58 | 0n32 | 19s49 | 0n39 | 3s40 | 15n30 | 18s43 | 18s55 | 13s57 | 8n32 | 7s 1 |

Julian Day Number = 2809756.5, Delta T = 52m48s
Ecliptic obliquity = 23°18'39, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°28'09, Lahiri = 37°35'10


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# ASTRODIENST EPHEMERIS for the year 2980
# geocentric

## NOVEMBER 2980 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 2 45 12 | 9♏27'51 | 0♐53 | 22°R22 | 14♐46 | 13♎57 | 9♑36 | 29♍50 | 3♏ 8 | 27♑59 | 24♏14 | 24♏11 | 24♏57 | 1♏55 | 18♌31 | W 1 |
| T 2 | 2 49 9 | 10°27'22 | 12°50 | 21♏31 | 15°58 | 14°35 | 9°46 | 29°56 | 3°12 | 28° 0 | 24°17 | 24°12 | 24°54 | 2° 2 | 18°33 | T 2 |
| F 3 | 2 53 5 | 11°26'55 | 24°54 | 20°33 | 17°11 | 15°13 | 9°56 | 0♎ 2 | 3°16 | 28° 1 | 24°19 | 24°13 | 24°51 | 2° 8 | 18°36 | F 3 |
| S 4 | 2 57 2 | 12°26'30 | 7♑10 | 19°29 | 18°23 | 15°51 | 10° 6 | 0° 9 | 3°20 | 28° 2 | 24°21 | 24°14 | 24°48 | 2°15 | 18°39 | S 4 |
| S 5 | 3 0 59 | 13°26'07 | 19°40 | 18°19 | 19°35 | 16°29 | 10°16 | 0°15 | 3°23 | 28° 3 | 24°24 | 24°15 | 24°45 | 2°22 | 18°41 | S 5 |
| M 6 | 3 4 55 | 14°25'46 | 2♒28 | 17° 5 | 20°48 | 17° 7 | 10°26 | 0°21 | 3°27 | 28° 4 | 24°26 | 24°16 | 24°42 | 2°28 | 18°43 | M 6 |
| T 7 | 3 8 52 | 15°25'26 | 15°37 | 15°50 | 22° 0 | 17°45 | 10°37 | 0°27 | 3°31 | 28° 5 | 24°29 | 24°R16 | 24°38 | 2°35 | 18°46 | T 7 |
| W 8 | 3 12 48 | 16°25'07 | 29°10 | 14°35 | 23°12 | 18°23 | 10°47 | 0°33 | 3°35 | 28° 6 | 24°31 | 24°16 | 24°35 | 2°42 | 18°48 | W 8 |
| T 9 | 3 16 45 | 17°24'50 | 13♓ 7 | 13°23 | 24°24 | 19° 1 | 10°58 | 0°39 | 3°38 | 28° 7 | 24°33 | 24°15 | 24°32 | 2°48 | 18°50 | T 9 |
| F 10 | 3 20 41 | 18°24'35 | 27°30 | 12°16 | 25°37 | 19°39 | 11° 9 | 0°45 | 3°42 | 28° 8 | 24°36 | 24°15 | 24°29 | 2°55 | 18°52 | F 10 |
| S 11 | 3 24 38 | 19°24'22 | 12♈14 | 11°16 | 26°49 | 20°17 | 11°19 | 0°51 | 3°46 | 28° 9 | 24°38 | 24°14 | 24°26 | 3° 2 | 18°54 | S 11 |
| S 12 | 3 28 34 | 20°24'10 | 27°15 | 10°24 | 28° 1 | 20°55 | 11°30 | 0°57 | 3°49 | 28°10 | 24°41 | 24°14 | 24°23 | 3° 8 | 18°56 | S 12 |
| M13 | 3 32 31 | 21°24'00 | 12♉25 | 9°43 | 29°13 | 21°33 | 11°41 | 1° 3 | 3°53 | 28°11 | 24°43 | 24°13 | 24°19 | 3°15 | 18°57 | M13 |
| T 14 | 3 36 28 | 22°23'52 | 27°33 | 9°13 | 0♑25 | 22°11 | 11°52 | 1° 8 | 3°57 | 28°12 | 24°45 | 24°D13 | 24°16 | 3°22 | 18°59 | T 14 |
| W15 | 3 40 24 | 23°23'46 | 12♊32 | 8°54 | 1°37 | 22°49 | 12° 3 | 1°14 | 4° 0 | 28°13 | 24°48 | 24°14 | 24°13 | 3°28 | 19° 0 | W15 |
| T 16 | 3 44 21 | 24°23'42 | 27°13 | 8°D46 | 2°49 | 23°27 | 12°15 | 1°20 | 4° 4 | 28°14 | 24°50 | 24°R14 | 24°10 | 3°35 | 19° 2 | T 16 |
| F 17 | 3 48 17 | 25°23'40 | 11♋30 | 8°50 | 4° 1 | 24° 5 | 12°26 | 1°25 | 4° 8 | 28°16 | 24°53 | 24°13 | 24° 7 | 3°42 | 19° 3 | F 17 |
| S 18 | 3 52 14 | 26°23'40 | 25°20 | 9° 5 | 5°13 | 24°43 | 12°37 | 1°31 | 4°11 | 28°17 | 24°55 | 24°13 | 24° 3 | 3°48 | 19° 4 | S 18 |
| S 19 | 3 56 10 | 27°23'42 | 8♌43 | 9°30 | 6°24 | 25°21 | 12°49 | 1°36 | 4°15 | 28°18 | 24°58 | 24°13 | 24° 0 | 3°55 | 19° 6 | S 19 |
| M20 | 4 0 7 | 28°23'46 | 21°41 | 10° 4 | 7°36 | 25°59 | 13° 0 | 1°41 | 4°18 | 28°20 | 25° 0 | 24°13 | 23°57 | 4° 1 | 19° 7 | M20 |
| T 21 | 4 4 3 | 29°23'53 | 4♍16 | 10°47 | 8°48 | 26°37 | 13°12 | 1°46 | 4°22 | 28°21 | 25° 2 | 24°D13 | 23°54 | 4° 8 | 19° 7 | T 21 |
| W22 | 4 8 0 | 0♐24'01 | 16°33 | 11°37 | 10° 0 | 27°15 | 13°24 | 1°52 | 4°25 | 28°22 | 25° 5 | 24°13 | 23°51 | 4°15 | 19° 8 | W22 |
| T 23 | 4 11 57 | 1°24'11 | 28°37 | 12°34 | 11°11 | 27°53 | 13°35 | 1°57 | 4°29 | 28°24 | 25° 7 | 24°14 | 23°48 | 4°21 | 19° 9 | T 23 |
| F 24 | 4 15 53 | 2°24'23 | 10♎31 | 13°37 | 12°23 | 28°31 | 13°47 | 2° 2 | 4°32 | 28°25 | 25°10 | 24°15 | 23°44 | 4°28 | 19°10 | F 24 |
| S 25 | 4 19 50 | 3°24'37 | 22°19 | 14°45 | 13°34 | 29° 9 | 13°59 | 2° 6 | 4°36 | 28°27 | 25°12 | 24°15 | 23°41 | 4°35 | 19°10 | S 25 |
| S 26 | 4 23 46 | 4°24'53 | 4♏ 7 | 15°57 | 14°46 | 29°47 | 14°11 | 2°11 | 4°39 | 28°28 | 25°14 | 24°16 | 23°38 | 4°41 | 19°11 | S 26 |
| M27 | 4 27 43 | 5°25'11 | 15°55 | 17°13 | 15°57 | 0♏25 | 14°23 | 2°16 | 4°43 | 28°30 | 25°17 | 24°17 | 23°35 | 4°48 | 19°11 | M27 |
| T 28 | 4 31 39 | 6°25'31 | 27°49 | 18°33 | 17° 9 | 1° 3 | 14°35 | 2°21 | 4°46 | 28°31 | 25°19 | 24°R17 | 23°32 | 4°55 | 19°11 | T 28 |
| W29 | 4 35 36 | 7°25'52 | 9♐49 | 19°55 | 18°20 | 1°41 | 14°48 | 2°25 | 4°49 | 28°33 | 25°22 | 24°17 | 23°29 | 5° 1 | 19°11 | W29 |
| T 30 | 4 39 32 | 8♐26'15 | 21♐57 | 21♏19 | 19♑31 | 2♏19 | 15♑ 0 | 2♎30 | 4♏53 | 28♑34 | 25♏24 | 24♏15 | 23♏25 | 5♏ 8 | 19°R11 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14s34 | 19s37 | 0n37 | 20s47 | 2s37 | 23s45 | 1s19 | 4s31 | 1n 2 | 22s56 | 0n 2 | 1n45 | 1n50 | 11s59 | 0n32 | 19s49 | 0n39 | 3s41 | 15n30 | 18s43 | 18s54 | 13s58 | 8n30 | 7s 2 |
| T 2 | 14 53 | 20 32 | 1 42 | 20 21 | 2 24 | 23 55 | 1 21 | 4 46 | 1 2 | 22 56 | 0 2 | 1 42 | 1 50 | 12 0 | 0 32 | 19 49 | 0 39 | 3 41 | 15 29 | 18 43 | 18 53 | 14 0 | 8 29 | 7 2 |
| F 3 | 15 11 | 20 31 | 2 42 | 19 52 | 2 9 | 24 6 | 1 24 | 5 1 | 1 2 | 22 55 | 0 2 | 1 40 | 1 50 | 12 2 | 0 32 | 19 49 | 0 39 | 3 42 | 15 29 | 18 43 | 18 53 | 14 1 | 8 27 | 7 3 |
| S 4 | 15 29 | 19 31 | 3 37 | 19 18 | 1 52 | 24 15 | 1 27 | 5 15 | 1 2 | 22 54 | 0 1 | 1 38 | 1 50 | 12 3 | 0 32 | 19 49 | 0 39 | 3 43 | 15 29 | 18 44 | 18 52 | 14 3 | 8 26 | 7 3 |
| S 5 | 15 47 | 17 33 | 4 22 | 18 42 | 1 34 | 24 24 | 1 30 | 5 30 | 1 2 | 22 54 | 0 1 | 1 35 | 1 50 | 12 4 | 0 32 | 19 49 | 0 39 | 3 43 | 15 29 | 18 44 | 18 51 | 14 4 | 8 25 | 7 4 |
| M 6 | 16 5 | 14 42 | 4 55 | 18 3 | 1 15 | 24 32 | 1 32 | 5 45 | 1 1 | 22 53 | 0 1 | 1 33 | 1 51 | 12 5 | 0 32 | 19 48 | 0 39 | 3 44 | 15 29 | 18 44 | 18 50 | 14 6 | 8 23 | 7 5 |
| T 7 | 16 22 | 11 4 | 5 14 | 17 22 | 0 55 | 24 39 | 1 35 | 5 59 | 1 1 | 22 52 | 0 1 | 1 31 | 1 51 | 12 7 | 0 32 | 19 48 | 0 39 | 3 45 | 15 29 | 18 44 | 18 50 | 14 7 | 8 22 | 7 5 |
| W 8 | 16 39 | 6 45 | 5 17 | 16 40 | 0 34 | 24 46 | 1 37 | 6 14 | 1 1 | 22 51 | 0 1 | 1 29 | 1 51 | 12 8 | 0 32 | 19 48 | 0 39 | 3 45 | 15 29 | 18 44 | 18 49 | 14 9 | 8 21 | 7 6 |
| T 9 | 16 56 | 1 58 | 5 1 | 15 59 | 0 13 | 24 51 | 1 40 | 6 28 | 1 1 | 22 51 | 0 1 | 1 26 | 1 51 | 12 9 | 0 32 | 19 48 | 0 39 | 3 46 | 15 29 | 18 44 | 18 48 | 14 10 | 8 20 | 7 7 |
| F 10 | 17 13 | 3n 5 | 4 26 | 15 20 | 0n 7 | 24 57 | 1 42 | 6 43 | 1 1 | 22 50 | 0 1 | 1 24 | 1 51 | 12 10 | 0 32 | 19 48 | 0 39 | 3 46 | 15 28 | 18 44 | 18 47 | 14 12 | 8 18 | 7 7 |
| S 11 | 17 29 | 8 5 | 3 33 | 14 43 | 0 26 | 25 1 | 1 45 | 6 57 | 1 0 | 22 49 | 0 1 | 1 22 | 1 51 | 12 12 | 0 32 | 19 48 | 0 38 | 3 47 | 15 28 | 18 44 | 18 47 | 14 13 | 8 17 | 7 8 |
| S 12 | 17 45 | 12 41 | 2 25 | 14 9 | 0 45 | 25 5 | 1 47 | 7 12 | 1 0 | 22 48 | 0 1 | 1 20 | 1 52 | 12 13 | 0 32 | 19 47 | 0 38 | 3 48 | 15 28 | 18 44 | 18 46 | 14 15 | 8 16 | 7 9 |
| M13 | 18 1 | 16 31 | 1 5 | 13 40 | 1 2 | 25 8 | 1 50 | 7 26 | 1 0 | 22 47 | 0 1 | 1 18 | 1 52 | 12 14 | 0 32 | 19 47 | 0 38 | 3 48 | 15 28 | 18 44 | 18 45 | 14 16 | 8 15 | 7 9 |
| T 14 | 18 16 | 19 12 | 0s19 | 13 16 | 1 17 | 25 10 | 1 52 | 7 40 | 1 0 | 22 47 | 0 0 | 1 16 | 1 52 | 12 15 | 0 32 | 19 47 | 0 38 | 3 49 | 15 28 | 18 44 | 18 44 | 14 18 | 8 14 | 7 10 |
| W15 | 18 31 | 20 31 | 1 40 | 12 57 | 1 31 | 25 12 | 1 54 | 7 54 | 0 59 | 22 46 | 0 0 | 1 14 | 1 52 | 12 17 | 0 32 | 19 47 | 0 38 | 3 50 | 15 28 | 18 44 | 18 43 | 14 19 | 8 13 | 7 10 |
| T 16 | 18 46 | 20 23 | 2 54 | 12 44 | 1 42 | 25 13 | 1 56 | 8 9 | 0 59 | 22 45 | 0 0 | 1 12 | 1 52 | 12 18 | 0 32 | 19 47 | 0 38 | 3 50 | 15 28 | 18 44 | 18 43 | 14 21 | 8 12 | 7 11 |
| F 17 | 19 1 | 18 56 | 3 54 | 12 36 | 1 52 | 25 13 | 1 58 | 8 23 | 0 59 | 22 44 | 0 0 | 1 10 | 1 53 | 12 19 | 0 32 | 19 46 | 0 38 | 3 51 | 15 28 | 18 44 | 18 42 | 14 22 | 8 11 | 7 12 |
| S 18 | 19 15 | 16 23 | 4 39 | 12 33 | 2 0 | 25 13 | 2 0 | 8 37 | 0 59 | 22 43 | 0 0 | 1 8 | 1 53 | 12 20 | 0 32 | 19 46 | 0 38 | 3 51 | 15 28 | 18 44 | 18 41 | 14 24 | 8 10 | 7 12 |
| S 19 | 19 28 | 13 3 | 5 7 | 12 34 | 2 7 | 25 12 | 2 2 | 8 51 | 0 59 | 22 42 | 0s 0 | 1 6 | 1 53 | 12 21 | 0 32 | 19 46 | 0 38 | 3 52 | 15 28 | 18 43 | 18 40 | 14 25 | 8 9 | 7 13 |
| M20 | 19 42 | 9 11 | 5 18 | 12 41 | 2 11 | 25 10 | 2 4 | 9 5 | 0 58 | 22 41 | 0 0 | 1 4 | 1 53 | 12 23 | 0 32 | 19 46 | 0 38 | 3 52 | 15 28 | 18 43 | 18 40 | 14 27 | 8 8 | 7 14 |
| T 21 | 19 55 | 5 1 | 5 13 | 12 51 | 2 15 | 25 7 | 2 6 | 9 19 | 0 58 | 22 40 | 0 0 | 1 2 | 1 54 | 12 24 | 0 32 | 19 45 | 0 38 | 3 53 | 15 28 | 18 43 | 18 39 | 14 28 | 8 7 | 7 14 |
| W22 | 20 8 | 0 45 | 4 54 | 13 4 | 2 16 | 25 4 | 2 8 | 9 32 | 0 58 | 22 39 | 0 0 | 1 0 | 1 54 | 12 25 | 0 32 | 19 45 | 0 38 | 3 53 | 15 28 | 18 44 | 18 38 | 14 30 | 8 6 | 7 15 |
| T 23 | 20 20 | 3s28 | 4 23 | 13 21 | 2 17 | 24 59 | 2 9 | 9 46 | 0 58 | 22 38 | 0 0 | 0 59 | 1 54 | 12 26 | 0 32 | 19 45 | 0 38 | 3 54 | 15 28 | 18 44 | 18 37 | 14 31 | 8 5 | 7 16 |
| F 24 | 20 32 | 7 31 | 3 40 | 13 40 | 2 17 | 24 55 | 2 11 | 10 0 | 0 57 | 22 37 | 0 0 | 0 57 | 1 54 | 12 27 | 0 32 | 19 45 | 0 38 | 3 54 | 15 28 | 18 44 | 18 36 | 14 33 | 8 4 | 7 16 |
| S 25 | 20 43 | 11 15 | 2 48 | 14 1 | 2 15 | 24 49 | 2 12 | 10 13 | 0 57 | 22 35 | 0 1 | 0 55 | 1 54 | 12 28 | 0 32 | 19 44 | 0 38 | 3 55 | 15 28 | 18 44 | 18 36 | 14 34 | 8 4 | 7 17 |
| S 26 | 20 55 | 14 33 | 1 50 | 14 24 | 2 13 | 24 43 | 2 14 | 10 27 | 0 57 | 22 34 | 0 1 | 0 53 | 1 55 | 12 30 | 0 33 | 19 44 | 0 38 | 3 55 | 15 28 | 18 44 | 18 35 | 14 36 | 8 3 | 7 18 |
| M27 | 21 5 | 17 15 | 0 46 | 14 48 | 2 10 | 24 36 | 2 15 | 10 40 | 0 56 | 22 33 | 0 1 | 0 52 | 1 55 | 12 31 | 0 33 | 19 44 | 0 38 | 3 56 | 15 28 | 18 44 | 18 34 | 14 37 | 8 2 | 7 18 |
| T 28 | 21 16 | 19 15 | 0n20 | 15 14 | 2 6 | 24 28 | 2 16 | 10 54 | 0 56 | 22 32 | 0 1 | 0 50 | 1 55 | 12 32 | 0 33 | 19 44 | 0 38 | 3 56 | 15 28 | 18 44 | 18 33 | 14 38 | 8 1 | 7 19 |
| W29 | 21 26 | 20 24 | 1 25 | 15 40 | 2 2 | 24 20 | 2 18 | 11 7 | 0 56 | 22 31 | 0 1 | 0 48 | 1 55 | 12 33 | 0 33 | 19 43 | 0 38 | 3 57 | 15 28 | 18 44 | 18 33 | 14 40 | 8 1 | 7 20 |
| T 30 | 21s36 | 20s37 | 2n27 | 16s 7 | 1n57 | 24s11 | 2s19 | 11s20 | 0n56 | 22s29 | 0s 1 | 0n47 | 1n56 | 12s34 | 0n33 | 19s43 | 0n38 | 3s57 | 15n28 | 18s44 | 18s32 | 14s41 | 8n 0 | 7s20 |

Julian Day Number = 2809787.5, Delta T = 52m48s
Ecliptic obliquity = 23°18'39, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°28'13, Lahiri = 37°35'14


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# ASTRODIENST EPHEMERIS for the year 2980
# geocentric

## DECEMBER 2980 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 4 43 29 | 9♐26'40 | 4♑15 | 22♏45 | 20♑42 | 2♏57 | 15♑12 | 2♎34 | 4♏56 | 28♑36 | 25♏26 | 24°R13 | 23♏22 | 5♏15 | 19°R11 | F 1 |
| S 2 | 4 47 26 | 10°27'06 | 16°45 | 24°13 | 21°53 | 3°35 | 15°25 | 2°39 | 4°59 | 28°38 | 25°29 | 24♏11 | 23°19 | 5°21 | 19♌11 | S 2 |
| S 3 | 4 51 22 | 11°27'33 | 29°28 | 25°42 | 23° 4 | 4°12 | 15°37 | 2°43 | 5° 3 | 28°39 | 25°31 | 24° 8 | 23°16 | 5°28 | 19°11 | S 3 |
| M 4 | 4 55 19 | 12°28'02 | 12♒24 | 27°12 | 24°15 | 4°50 | 15°50 | 2°47 | 5° 6 | 28°41 | 25°34 | 24° 6 | 23°13 | 5°35 | 19°10 | M 4 |
| T 5 | 4 59 15 | 13°28'32 | 25°37 | 28°43 | 25°26 | 5°28 | 16° 2 | 2°51 | 5° 9 | 28°43 | 25°36 | 24° 4 | 23° 9 | 5°41 | 19°10 | T 5 |
| W 6 | 5 3 12 | 14°29'03 | 9♓ 7 | 0♐15 | 26°37 | 6° 6 | 16°15 | 2°55 | 5°12 | 28°44 | 25°38 | 24°D 3 | 23° 6 | 5°48 | 19° 9 | W 6 |
| T 7 | 5 7 8 | 15°29'36 | 22°54 | 1°47 | 27°48 | 6°44 | 16°28 | 2°59 | 5°15 | 28°46 | 25°41 | 24° 3 | 23° 3 | 5°55 | 19° 9 | T 7 |
| F 8 | 5 11 5 | 16°30'09 | 7♈ 0 | 3°20 | 28°58 | 7°22 | 16°41 | 3° 3 | 5°18 | 28°48 | 25°43 | 24° 4 | 23° 0 | 6° 1 | 19° 8 | F 8 |
| S 9 | 5 15 1 | 17°30'44 | 21°23 | 4°53 | 0♒ 9 | 8° 0 | 16°53 | 3° 6 | 5°21 | 28°50 | 25°45 | 24° 6 | 22°57 | 6° 8 | 19° 7 | S 9 |
| S 10 | 5 18 58 | 18°31'19 | 6♉ 1 | 6°27 | 1°19 | 8°38 | 17° 6 | 3°10 | 5°24 | 28°52 | 25°47 | 24° 7 | 22°54 | 6°15 | 19° 6 | S 10 |
| M11 | 5 22 55 | 19°31'56 | 20°49 | 8° 0 | 2°30 | 9°16 | 17°19 | 3°14 | 5°27 | 28°53 | 25°50 | 24°R 8 | 22°50 | 6°21 | 19° 5 | M11 |
| T 12 | 5 26 51 | 20°32'34 | 5♊41 | 9°34 | 3°40 | 9°54 | 17°32 | 3°17 | 5°30 | 28°55 | 25°52 | 24° 7 | 22°47 | 6°28 | 19° 4 | T 12 |
| W13 | 5 30 48 | 21°33'14 | 20°29 | 11° 8 | 4°50 | 10°32 | 17°45 | 3°20 | 5°33 | 28°57 | 25°54 | 24° 6 | 22°44 | 6°34 | 19° 3 | W13 |
| T 14 | 5 34 44 | 22°33'54 | 5♋ 5 | 12°41 | 6° 0 | 11°10 | 17°58 | 3°24 | 5°36 | 28°59 | 25°56 | 24° 2 | 22°41 | 6°41 | 19° 1 | T 14 |
| F 15 | 5 38 41 | 23°34'36 | 19°24 | 14°15 | 7°10 | 11°48 | 18°12 | 3°27 | 5°39 | 29° 1 | 25°59 | 23°58 | 22°38 | 6°48 | 19° 0 | F 15 |
| S 16 | 5 42 37 | 24°35'20 | 3♌19 | 15°49 | 8°20 | 12°26 | 18°25 | 3°30 | 5°42 | 29° 3 | 26° 1 | 23°53 | 22°35 | 6°54 | 18°58 | S 16 |
| S 17 | 5 46 34 | 25°36'04 | 16°49 | 17°23 | 9°30 | 13° 4 | 18°38 | 3°33 | 5°45 | 29° 5 | 26° 3 | 23°49 | 22°31 | 7° 1 | 18°57 | S 17 |
| M18 | 5 50 30 | 26°36'50 | 29°53 | 18°57 | 10°39 | 13°41 | 18°51 | 3°35 | 5°47 | 29° 7 | 26° 5 | 23°45 | 22°28 | 7° 8 | 18°55 | M18 |
| T 19 | 5 54 27 | 27°37'38 | 12♍33 | 20°31 | 11°49 | 14°19 | 19° 5 | 3°38 | 5°50 | 29° 9 | 26° 7 | 23°42 | 22°25 | 7°14 | 18°53 | T 19 |
| W20 | 5 58 24 | 28°38'26 | 24°53 | 22° 5 | 12°58 | 14°57 | 19°18 | 3°41 | 5°53 | 29°11 | 26°10 | 23°D41 | 22°22 | 7°21 | 18°51 | W20 |
| T 21 | 6 2 20 | 29°39'17 | 6♎57 | 23°39 | 14° 8 | 15°35 | 19°31 | 3°43 | 5°55 | 29°13 | 26°12 | 23°41 | 22°19 | 7°28 | 18°49 | T 21 |
| F 22 | 6 6 17 | 0♑40'08 | 18°50 | 25°13 | 15°17 | 16°13 | 19°45 | 3°46 | 5°58 | 29°15 | 26°14 | 23°42 | 22°15 | 7°34 | 18°47 | F 22 |
| S 23 | 6 10 13 | 1°41'01 | 0♏38 | 26°47 | 16°26 | 16°51 | 19°58 | 3°48 | 6° 1 | 29°17 | 26°16 | 23°44 | 22°12 | 7°41 | 18°45 | S 23 |
| S 24 | 6 14 10 | 2°41'55 | 12°25 | 28°21 | 17°35 | 17°29 | 20°12 | 3°50 | 6° 3 | 29°19 | 26°18 | 23°45 | 22° 9 | 7°48 | 18°43 | S 24 |
| M25 | 6 18 6 | 3°42'50 | 24°16 | 29°55 | 18°43 | 18° 7 | 20°25 | 3°53 | 6° 6 | 29°21 | 26°20 | 23°R46 | 22° 6 | 7°54 | 18°40 | M25 |
| T 26 | 6 22 3 | 4°43'46 | 6♐15 | 1♑29 | 19°52 | 18°45 | 20°39 | 3°55 | 6° 8 | 29°23 | 26°22 | 23°45 | 22° 3 | 8° 1 | 18°38 | T 26 |
| W27 | 6 26 0 | 5°44'43 | 18°25 | 3° 3 | 21° 0 | 19°23 | 20°52 | 3°56 | 6°10 | 29°25 | 26°24 | 23°42 | 22° 0 | 8° 8 | 18°35 | W27 |
| T 28 | 6 29 56 | 6°45'41 | 0♑48 | 4°37 | 22° 8 | 20° 1 | 21° 6 | 3°58 | 6°13 | 29°27 | 26°26 | 23°37 | 21°56 | 8°14 | 18°33 | T 28 |
| F 29 | 6 33 53 | 7°46'41 | 13°24 | 6°11 | 23°17 | 20°38 | 21°19 | 4° 0 | 6°15 | 29°30 | 26°28 | 23°30 | 21°53 | 8°21 | 18°30 | F 29 |
| S 30 | 6 37 49 | 8°47'40 | 26°15 | 7°45 | 24°24 | 21°16 | 21°33 | 4° 2 | 6°17 | 29°32 | 26°30 | 23°22 | 21°50 | 8°28 | 18°27 | S 30 |
| S 31 | 6 41 46 | 9♑48'41 | 9♒19 | 9♑20 | 25♒32 | 21♏54 | 21♑47 | 4♎ 3 | 6♏19 | 29♑34 | 26♏32 | 23♏13 | 21♏47 | 8♏34 | 18♌25 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 21s45 | 19s51 | 3n24 | 16s34 | 1n52 | 24s 2 | 2s20 | 11s34 | 0n55 | 22s28 | 0s 1 | 0n45 | 1n56 | 12s35 | 0n33 | 19s43 | 0n38 | 3s58 | 15n28 | 18s44 | 18s31 | 14s43 | 8n 0 | 7s21 |
| S 2 | 21 54 | 18 7 | 4 11 | 17 1 | 1 46 | 23 51 | 2 21 | 11 47 | 0 55 | 22 27 | 0 1 | 0 44 | 1 56 | 12 36 | 0 33 | 19 42 | 0 38 | 3 58 | 15 28 | 18 43 | 18 30 | 14 44 | 7 59 | 7 22 |
| S 3 | 22 2 | 15 28 | 4 47 | 17 28 | 1 40 | 23 40 | 2 21 | 12 0 | 0 55 | 22 25 | 0 1 | 0 42 | 1 56 | 12 37 | 0 33 | 19 42 | 0 38 | 3 58 | 15 29 | 18 42 | 18 29 | 14 46 | 7 58 | 7 22 |
| M 4 | 22 10 | 12 2 | 5 9 | 17 55 | 1 34 | 23 29 | 2 22 | 12 13 | 0 54 | 22 24 | 0 1 | 0 41 | 1 56 | 12 38 | 0 33 | 19 42 | 0 38 | 3 59 | 15 29 | 18 42 | 18 29 | 14 47 | 7 58 | 7 23 |
| T 5 | 22 18 | 7 57 | 5 16 | 18 21 | 1 27 | 23 17 | 2 23 | 12 25 | 0 54 | 22 23 | 0 1 | 0 40 | 1 57 | 12 39 | 0 33 | 19 41 | 0 38 | 3 59 | 15 29 | 18 41 | 18 28 | 14 48 | 7 57 | 7 23 |
| W 6 | 22 25 | 3 23 | 5 5 | 18 47 | 1 20 | 23 4 | 2 23 | 12 38 | 0 54 | 22 21 | 0 2 | 0 38 | 1 57 | 12 40 | 0 33 | 19 41 | 0 38 | 4 0 | 15 29 | 18 41 | 18 27 | 14 50 | 7 57 | 7 24 |
| T 7 | 22 32 | 1n26 | 4 37 | 19 12 | 1 14 | 22 50 | 2 24 | 12 51 | 0 54 | 22 20 | 0 2 | 0 37 | 1 57 | 12 41 | 0 33 | 19 41 | 0 38 | 4 0 | 15 29 | 18 41 | 18 26 | 14 51 | 7 57 | 7 25 |
| F 8 | 22 38 | 6 19 | 3 52 | 19 37 | 1 7 | 22 36 | 2 24 | 13 3 | 0 53 | 22 18 | 0 2 | 0 36 | 1 57 | 12 42 | 0 33 | 19 40 | 0 38 | 4 0 | 15 29 | 18 41 | 18 25 | 14 53 | 7 56 | 7 25 |
| S 9 | 22 44 | 10 56 | 2 51 | 20 1 | 0 59 | 22 21 | 2 24 | 13 16 | 0 53 | 22 17 | 0 2 | 0 34 | 1 58 | 12 43 | 0 33 | 19 40 | 0 38 | 4 1 | 15 29 | 18 42 | 18 25 | 14 54 | 7 56 | 7 26 |
| S 10 | 22 49 | 15 0 | 1 38 | 20 24 | 0 52 | 22 6 | 2 24 | 13 28 | 0 53 | 22 15 | 0 2 | 0 33 | 1 58 | 12 44 | 0 33 | 19 40 | 0 38 | 4 1 | 15 29 | 18 42 | 18 24 | 14 55 | 7 56 | 7 27 |
| M11 | 22 54 | 18 9 | 0 18 | 20 47 | 0 45 | 21 50 | 2 24 | 13 41 | 0 52 | 22 14 | 0 2 | 0 32 | 1 58 | 12 45 | 0 33 | 19 39 | 0 38 | 4 1 | 15 30 | 18 42 | 18 23 | 14 57 | 7 55 | 7 27 |
| T 12 | 22 59 | 20 6 | 1s 3 | 21 8 | 0 38 | 21 34 | 2 24 | 13 53 | 0 52 | 22 12 | 0 2 | 0 31 | 1 58 | 12 46 | 0 33 | 19 39 | 0 38 | 4 2 | 15 30 | 18 42 | 18 22 | 14 58 | 7 55 | 7 28 |
| W13 | 23 3 | 20 39 | 2 20 | 21 29 | 0 31 | 21 17 | 2 24 | 14 5 | 0 52 | 22 11 | 0 2 | 0 30 | 1 59 | 12 47 | 0 33 | 19 39 | 0 38 | 4 2 | 15 30 | 18 42 | 18 21 | 15 0 | 7 55 | 7 28 |
| T 14 | 23 6 | 19 47 | 3 26 | 21 48 | 0 24 | 20 59 | 2 23 | 14 17 | 0 51 | 22 9 | 0 2 | 0 29 | 1 59 | 12 48 | 0 33 | 19 38 | 0 38 | 4 2 | 15 30 | 18 41 | 18 21 | 15 1 | 7 55 | 7 29 |
| F 15 | 23 9 | 17 39 | 4 18 | 22 7 | 0 16 | 20 41 | 2 23 | 14 29 | 0 51 | 22 7 | 0 2 | 0 28 | 1 59 | 12 49 | 0 33 | 19 38 | 0 38 | 4 3 | 15 30 | 18 40 | 18 20 | 15 2 | 7 55 | 7 30 |
| S 16 | 23 12 | 14 33 | 4 53 | 22 24 | 0 9 | 20 22 | 2 22 | 14 41 | 0 51 | 22 6 | 0 2 | 0 27 | 2 0 | 12 50 | 0 33 | 19 38 | 0 38 | 4 3 | 15 31 | 18 39 | 18 19 | 15 4 | 7 55 | 7 30 |
| S 17 | 23 14 | 10 46 | 5 11 | 22 41 | 0 2 | 20 3 | 2 22 | 14 53 | 0 50 | 22 4 | 0 3 | 0 26 | 2 0 | 12 51 | 0 33 | 19 37 | 0 38 | 4 3 | 15 31 | 18 37 | 18 18 | 15 5 | 7 54 | 7 31 |
| M18 | 23 16 | 6 35 | 5 11 | 22 56 | 0s 5 | 19 44 | 2 21 | 15 4 | 0 50 | 22 2 | 0 3 | 0 25 | 2 0 | 12 52 | 0 33 | 19 37 | 0 38 | 4 3 | 15 31 | 18 36 | 18 17 | 15 7 | 7 54 | 7 31 |
| T 19 | 23 17 | 2 15 | 4 56 | 23 10 | 0 12 | 19 24 | 2 20 | 15 16 | 0 49 | 22 0 | 0 3 | 0 24 | 2 0 | 12 53 | 0 33 | 19 36 | 0 38 | 4 4 | 15 31 | 18 36 | 18 17 | 15 8 | 7 54 | 7 32 |
| W20 | 23 18 | 2s 5 | 4 28 | 23 23 | 0 18 | 19 3 | 2 19 | 15 27 | 0 49 | 21 59 | 0 3 | 0 23 | 2 1 | 12 54 | 0 33 | 19 36 | 0 37 | 4 4 | 15 32 | 18 35 | 18 16 | 15 9 | 7 55 | 7 32 |
| T 21 | 23 19 | 6 14 | 3 48 | 23 35 | 0 25 | 18 42 | 2 18 | 15 38 | 0 49 | 21 57 | 0 3 | 0 23 | 2 1 | 12 55 | 0 33 | 19 36 | 0 37 | 4 4 | 15 32 | 18 36 | 18 15 | 15 11 | 7 55 | 7 33 |
| F 22 | 23 19 | 10 6 | 2 59 | 23 45 | 0 32 | 18 20 | 2 16 | 15 50 | 0 48 | 21 55 | 0 3 | 0 22 | 2 1 | 12 55 | 0 33 | 19 35 | 0 37 | 4 4 | 15 32 | 18 36 | 18 14 | 15 12 | 7 55 | 7 34 |
| S 23 | 23 18 | 13 33 | 2 3 | 23 54 | 0 38 | 17 58 | 2 15 | 16 1 | 0 48 | 21 53 | 0 3 | 0 21 | 2 1 | 12 56 | 0 33 | 19 35 | 0 37 | 4 4 | 15 32 | 18 36 | 18 13 | 15 13 | 7 55 | 7 34 |
| S 24 | 23 17 | 16 27 | 1 2 | 24 2 | 0 44 | 17 36 | 2 13 | 16 12 | 0 48 | 21 51 | 0 3 | 0 21 | 2 2 | 12 57 | 0 33 | 19 34 | 0 37 | 4 5 | 15 33 | 18 37 | 18 12 | 15 15 | 7 55 | 7 35 |
| M25 | 23 16 | 18 42 | 0n 3 | 24 9 | 0 51 | 17 13 | 2 12 | 16 23 | 0 47 | 21 49 | 0 3 | 0 20 | 2 2 | 12 58 | 0 33 | 19 34 | 0 37 | 4 5 | 15 33 | 18 37 | 18 12 | 15 16 | 7 55 | 7 35 |
| T 26 | 23 14 | 20 8 | 1 7 | 24 15 | 0 57 | 16 50 | 2 10 | 16 33 | 0 47 | 21 47 | 0 3 | 0 20 | 2 2 | 12 59 | 0 33 | 19 34 | 0 37 | 4 5 | 15 33 | 18 37 | 18 11 | 15 17 | 7 55 | 7 36 |
| W27 | 23 11 | 20 39 | 2 10 | 24 19 | 1 3 | 16 26 | 2 8 | 16 44 | 0 46 | 21 45 | 0 3 | 0 19 | 2 2 | 12 59 | 0 33 | 19 33 | 0 37 | 4 5 | 15 33 | 18 36 | 18 10 | 15 19 | 7 56 | 7 36 |
| T 28 | 23 8 | 20 11 | 3 7 | 24 22 | 1 8 | 16 2 | 2 6 | 16 55 | 0 46 | 21 43 | 0 4 | 0 19 | 2 3 | 13 0 | 0 33 | 19 33 | 0 37 | 4 5 | 15 34 | 18 35 | 18 9 | 15 20 | 7 56 | 7 37 |
| F 29 | 23 5 | 18 43 | 3 56 | 24 24 | 1 14 | 15 38 | 2 4 | 17 5 | 0 46 | 21 41 | 0 4 | 0 18 | 2 3 | 13 1 | 0 33 | 19 32 | 0 37 | 4 5 | 15 34 | 18 33 | 18 8 | 15 21 | 7 56 | 7 37 |
| S 30 | 23 1 | 16 18 | 4 34 | 24 24 | 1 19 | 15 13 | 2 1 | 17 15 | 0 45 | 21 39 | 0 4 | 0 18 | 2 3 | 13 2 | 0 33 | 19 32 | 0 37 | 4 5 | 15 34 | 18 31 | 18 8 | 15 23 | 7 57 | 7 38 |
| S 31 | 22s57 | 13s 1 | 4n59 | 24s23 | 1s24 | 14s48 | 1s59 | 17s25 | 0n45 | 21s37 | 0s 4 | 0n17 | 2n 4 | 13s 2 | 0n33 | 19s31 | 0n37 | 4s 6 | 15n35 | 18s29 | 18s 7 | 15s24 | 7n57 | 7s38 |

Julian Day Number = 2809817.5, Delta T = 52m49s
Ecliptic obliquity = 23°18'38, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°28'18, Lahiri = 37°35'18


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# ASTRODIENST EPHEMERIS for the year 2981
# geocentric

## JANUARY 2981 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 6 45 42 | 10♑49'42 | 22♒35 | 10♑54 | 26♒40 | 22♏32 | 22♑ 0 | 4♎ 4 | 6♏22 | 29♑36 | 26♏34 | 23°R 5 | 21♏44 | 8♏41 | 18°R22 | M 1 |
| T 2 | 6 49 39 | 11°50'43 | 6♓ 4 | 12°29 | 27°47 | 23°10 | 22°14 | 4° 6 | 6°24 | 29°38 | 26°36 | 22♏58 | 21°41 | 8°47 | 18♌19 | T 2 |
| W 3 | 6 53 35 | 12°51'45 | 19°43 | 14° 4 | 28°54 | 23°48 | 22°28 | 4° 7 | 6°26 | 29°40 | 26°37 | 22°54 | 21°37 | 8°54 | 18°15 | W 3 |
| T 4 | 6 57 32 | 13°52'47 | 3♈31 | 15°39 | 0♓ 1 | 24°26 | 22°42 | 4° 8 | 6°28 | 29°43 | 26°39 | 22°51 | 21°34 | 9° 1 | 18°12 | T 4 |
| F 5 | 7 1 29 | 14°53'49 | 17°30 | 17°14 | 1° 8 | 25° 3 | 22°55 | 4° 9 | 6°30 | 29°45 | 26°41 | 22°D51 | 21°31 | 9° 7 | 18° 9 | F 5 |
| S 6 | 7 5 25 | 15°54'52 | 1♉37 | 18°50 | 2°15 | 25°41 | 23° 9 | 4°10 | 6°32 | 29°47 | 26°43 | 22°52 | 21°28 | 9°14 | 18° 6 | S 6 |
| S 7 | 7 9 22 | 16°55'55 | 15°52 | 20°25 | 3°21 | 26°19 | 23°23 | 4°10 | 6°34 | 29°49 | 26°45 | 22°R52 | 21°25 | 9°21 | 18° 2 | S 7 |
| M 8 | 7 13 18 | 17°56'58 | 0♊13 | 22° 1 | 4°27 | 26°57 | 23°37 | 4°11 | 6°35 | 29°52 | 26°46 | 22°52 | 21°21 | 9°27 | 17°59 | M 8 |
| T 9 | 7 17 15 | 18°58'01 | 14°38 | 23°37 | 5°33 | 27°35 | 23°51 | 4°11 | 6°37 | 29°54 | 26°48 | 22°50 | 21°18 | 9°34 | 17°56 | T 9 |
| W10 | 7 21 11 | 19°59'05 | 29° 1 | 25°14 | 6°38 | 28°12 | 24° 5 | 4°12 | 6°39 | 29°56 | 26°50 | 22°46 | 21°15 | 9°41 | 17°52 | W10 |
| T 11 | 7 25 8 | 21° 0'09 | 13♋18 | 26°50 | 7°43 | 28°50 | 24°18 | 4°12 | 6°40 | 29°58 | 26°51 | 22°39 | 21°12 | 9°47 | 17°48 | T 11 |
| F 12 | 7 29 4 | 22° 1'13 | 27°22 | 28°27 | 8°49 | 29°28 | 24°32 | 4°12 | 6°42 | 0♒ 1 | 26°53 | 22°29 | 21° 9 | 9°54 | 17°45 | F 12 |
| S 13 | 7 33 1 | 23° 2'17 | 11♌ 9 | 0♒ 4 | 9°53 | 0♐ 6 | 24°46 | 4°R12 | 6°44 | 0° 3 | 26°55 | 22°19 | 21° 6 | 10° 1 | 17°41 | S 13 |
| S 14 | 7 36 58 | 24° 3'22 | 24°36 | 1°41 | 10°58 | 0°43 | 25° 0 | 4°12 | 6°45 | 0° 5 | 26°56 | 22° 8 | 21° 2 | 10° 7 | 17°37 | S 14 |
| M15 | 7 40 54 | 25° 4'27 | 7♍40 | 3°18 | 12° 2 | 1°21 | 25°14 | 4°12 | 6°47 | 0° 7 | 26°58 | 21°58 | 20°59 | 10°14 | 17°33 | M15 |
| T 16 | 7 44 51 | 26° 5'32 | 20°22 | 4°56 | 13° 6 | 1°59 | 25°28 | 4°12 | 6°48 | 0°10 | 26°59 | 21°50 | 20°56 | 10°21 | 17°29 | T 16 |
| W17 | 7 48 47 | 27° 6'37 | 2♎44 | 6°34 | 14° 9 | 2°37 | 25°42 | 4°11 | 6°49 | 0°12 | 27° 1 | 21°45 | 20°53 | 10°27 | 17°26 | W17 |
| T 18 | 7 52 44 | 28° 7'43 | 14°49 | 8°11 | 15°12 | 3°14 | 25°55 | 4°11 | 6°51 | 0°14 | 27° 2 | 21°42 | 20°50 | 10°34 | 17°22 | T 18 |
| F 19 | 7 56 40 | 29° 8'50 | 26°44 | 9°49 | 16°15 | 3°52 | 26° 9 | 4°10 | 6°52 | 0°16 | 27° 3 | 21°D40 | 20°46 | 10°40 | 17°18 | F 19 |
| S 20 | 8 0 37 | 0♒ 9'56 | 8♏32 | 11°27 | 17°18 | 4°30 | 26°23 | 4° 9 | 6°53 | 0°19 | 27° 5 | 21°41 | 20°43 | 10°47 | 17°13 | S 20 |
| S 21 | 8 4 33 | 1°11'03 | 20°20 | 13° 5 | 18°20 | 5° 8 | 26°37 | 4° 9 | 6°54 | 0°21 | 27° 6 | 21°R41 | 20°40 | 10°54 | 17° 9 | S 21 |
| M22 | 8 8 30 | 2°12'10 | 2♐13 | 14°42 | 19°22 | 5°45 | 26°51 | 4° 8 | 6°55 | 0°23 | 27° 7 | 21°41 | 20°37 | 11° 0 | 17° 5 | M22 |
| T 23 | 8 12 27 | 3°13'18 | 14°15 | 16°20 | 20°23 | 6°23 | 27° 5 | 4° 7 | 6°56 | 0°25 | 27° 9 | 21°38 | 20°34 | 11° 7 | 17° 1 | T 23 |
| W24 | 8 16 23 | 4°14'25 | 26°32 | 17°57 | 21°24 | 7° 1 | 27°19 | 4° 5 | 6°57 | 0°28 | 27°10 | 21°33 | 20°31 | 11°14 | 16°57 | W24 |
| T 25 | 8 20 20 | 5°15'33 | 9♑ 6 | 19°33 | 22°25 | 7°38 | 27°32 | 4° 4 | 6°58 | 0°30 | 27°11 | 21°25 | 20°27 | 11°20 | 16°53 | T 25 |
| F 26 | 8 24 16 | 6°16'40 | 21°59 | 21° 8 | 23°25 | 8°16 | 27°46 | 4° 3 | 6°59 | 0°32 | 27°12 | 21°15 | 20°24 | 11°27 | 16°48 | F 26 |
| S 27 | 8 28 13 | 7°17'47 | 5♒11 | 22°43 | 24°24 | 8°54 | 28° 0 | 4° 1 | 7° 0 | 0°35 | 27°14 | 21° 2 | 20°21 | 11°34 | 16°44 | S 27 |
| S 28 | 8 32 9 | 8°18'54 | 18°40 | 24°16 | 25°24 | 9°31 | 28°14 | 4° 0 | 7° 0 | 0°37 | 27°15 | 20°49 | 20°18 | 11°40 | 16°40 | S 28 |
| M29 | 8 36 6 | 9°20'00 | 2♓23 | 25°47 | 26°22 | 10° 9 | 28°28 | 3°58 | 7° 1 | 0°39 | 27°16 | 20°37 | 20°15 | 11°47 | 16°35 | M29 |
| T 30 | 8 40 2 | 10°21'06 | 16°17 | 27°17 | 27°21 | 10°46 | 28°41 | 3°56 | 7° 2 | 0°41 | 27°17 | 20°26 | 20°12 | 11°54 | 16°31 | T 30 |
| W31 | 8 43 59 | 11♒22'12 | 0♈18 | 28♒44 | 28♓18 | 11♐24 | 28♑55 | 3♎54 | 7♏ 2 | 0♒44 | 27♏18 | 20♏18 | 20♏ 8 | 12♏ 0 | 16♌27 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s52 | 9s 3 | 5n 8 | 24s21 | 1s29 | 14s23 | 1s56 | 17s35 | 0n44 | 21s35 | 0s 4 | 0n17 | 2n 4 | 13s 3 | 0n33 | 19s31 | 0n37 | 4s 6 | 15n35 | 18s27 | 18s 6 | 15s25 | 7n58 | 7s38 |
| T 2 | 22 47 | 4 35 | 5 0 | 24 17 | 1 34 | 13 57 | 1 53 | 17 45 | 0 44 | 21 33 | 0 4 | 0 17 | 2 4 | 13 4 | 0 33 | 19 31 | 0 37 | 4 6 | 15 35 | 18 25 | 18 5 | 15 27 | 7 58 | 7 39 |
| W 3 | 22 42 | 0n10 | 4 35 | 24 12 | 1 38 | 13 31 | 1 51 | 17 55 | 0 44 | 21 31 | 0 4 | 0 17 | 2 4 | 13 4 | 0 33 | 19 30 | 0 37 | 4 6 | 15 36 | 18 24 | 18 4 | 15 28 | 7 59 | 7 39 |
| T 4 | 22 35 | 4 58 | 3 54 | 24 6 | 1 43 | 13 5 | 1 48 | 18 5 | 0 43 | 21 29 | 0 4 | 0 17 | 2 5 | 13 5 | 0 33 | 19 30 | 0 37 | 4 6 | 15 36 | 18 23 | 18 4 | 15 29 | 7 59 | 7 40 |
| F 5 | 22 29 | 9 35 | 2 59 | 23 58 | 1 46 | 12 38 | 1 44 | 18 14 | 0 43 | 21 27 | 0 4 | 0 16 | 2 5 | 13 5 | 0 33 | 19 29 | 0 37 | 4 6 | 15 36 | 18 23 | 18 3 | 15 31 | 8 0 | 7 40 |
| S 6 | 22 22 | 13 43 | 1 52 | 23 49 | 1 50 | 12 12 | 1 41 | 18 24 | 0 42 | 21 24 | 0 4 | 0 16 | 2 5 | 13 6 | 0 33 | 19 29 | 0 37 | 4 6 | 15 37 | 18 23 | 18 2 | 15 32 | 8 0 | 7 40 |
| S 7 | 22 15 | 17 6 | 0 38 | 23 38 | 1 54 | 11 45 | 1 38 | 18 33 | 0 42 | 21 22 | 0 4 | 0 16 | 2 6 | 13 7 | 0 33 | 19 28 | 0 37 | 4 6 | 15 37 | 18 23 | 18 1 | 15 33 | 8 1 | 7 41 |
| M 8 | 22 7 | 19 27 | 0s39 | 23 27 | 1 57 | 11 17 | 1 34 | 18 42 | 0 41 | 21 20 | 0 5 | 0 16 | 2 6 | 13 7 | 0 33 | 19 28 | 0 37 | 4 6 | 15 37 | 18 23 | 18 0 | 15 34 | 8 2 | 7 41 |
| T 9 | 21 59 | 20 33 | 1 54 | 23 13 | 2 0 | 10 50 | 1 30 | 18 51 | 0 41 | 21 18 | 0 5 | 0 16 | 2 6 | 13 8 | 0 33 | 19 27 | 0 37 | 4 6 | 15 38 | 18 23 | 17 59 | 15 36 | 8 2 | 7 42 |
| W10 | 21 50 | 20 17 | 3 1 | 22 59 | 2 2 | 10 22 | 1 27 | 19 0 | 0 40 | 21 15 | 0 5 | 0 17 | 2 6 | 13 8 | 0 33 | 19 27 | 0 37 | 4 6 | 15 38 | 18 22 | 17 59 | 15 37 | 8 3 | 7 42 |
| T 11 | 21 41 | 18 44 | 3 56 | 22 43 | 2 4 | 9 54 | 1 23 | 19 9 | 0 40 | 21 13 | 0 5 | 0 17 | 2 7 | 13 9 | 0 33 | 19 27 | 0 37 | 4 6 | 15 39 | 18 20 | 17 58 | 15 38 | 8 4 | 7 42 |
| F 12 | 21 31 | 16 4 | 4 36 | 22 25 | 2 6 | 9 26 | 1 18 | 19 17 | 0 39 | 21 11 | 0 5 | 0 17 | 2 7 | 13 9 | 0 33 | 19 26 | 0 37 | 4 6 | 15 39 | 18 18 | 17 57 | 15 40 | 8 5 | 7 43 |
| S 13 | 21 21 | 12 33 | 4 58 | 22 7 | 2 8 | 8 58 | 1 14 | 19 26 | 0 39 | 21 8 | 0 5 | 0 17 | 2 7 | 13 10 | 0 33 | 19 26 | 0 37 | 4 6 | 15 39 | 18 15 | 17 56 | 15 41 | 8 5 | 7 43 |
| S 14 | 21 11 | 8 28 | 5 4 | 21 46 | 2 9 | 8 30 | 1 10 | 19 34 | 0 38 | 21 6 | 0 5 | 0 17 | 2 7 | 13 10 | 0 33 | 19 25 | 0 37 | 4 6 | 15 40 | 18 12 | 17 55 | 15 42 | 8 6 | 7 43 |
| M15 | 21 0 | 4 7 | 4 53 | 21 25 | 2 10 | 8 1 | 1 5 | 19 42 | 0 38 | 21 4 | 0 5 | 0 18 | 2 8 | 13 11 | 0 33 | 19 25 | 0 37 | 4 6 | 15 40 | 18 10 | 17 54 | 15 43 | 8 7 | 7 43 |
| T 16 | 20 49 | 0s19 | 4 28 | 21 2 | 2 10 | 7 32 | 1 0 | 19 50 | 0 37 | 21 1 | 0 5 | 0 18 | 2 8 | 13 11 | 0 33 | 19 24 | 0 37 | 4 5 | 15 41 | 18 8 | 17 54 | 15 45 | 8 8 | 7 44 |
| W17 | 20 37 | 4 36 | 3 50 | 20 38 | 2 10 | 7 4 | 0 56 | 19 58 | 0 37 | 20 59 | 0 5 | 0 19 | 2 8 | 13 12 | 0 33 | 19 24 | 0 37 | 4 5 | 15 41 | 18 6 | 17 53 | 15 46 | 8 9 | 7 44 |
| T 18 | 20 25 | 8 38 | 3 3 | 20 12 | 2 9 | 6 35 | 0 51 | 20 6 | 0 36 | 20 56 | 0 5 | 0 19 | 2 9 | 13 12 | 0 33 | 19 23 | 0 37 | 4 5 | 15 41 | 18 5 | 17 52 | 15 47 | 8 10 | 7 44 |
| F 19 | 20 13 | 12 15 | 2 9 | 19 45 | 2 8 | 6 6 | 0 45 | 20 13 | 0 36 | 20 54 | 0 6 | 0 19 | 2 9 | 13 12 | 0 33 | 19 23 | 0 37 | 4 5 | 15 42 | 18 5 | 17 51 | 15 48 | 8 11 | 7 44 |
| S 20 | 20 0 | 15 22 | 1 10 | 19 17 | 2 7 | 5 37 | 0 40 | 20 21 | 0 35 | 20 51 | 0 6 | 0 20 | 2 9 | 13 13 | 0 33 | 19 22 | 0 37 | 4 5 | 15 42 | 18 5 | 17 50 | 15 50 | 8 12 | 7 45 |
| S 21 | 19 47 | 17 51 | 0 7 | 18 47 | 2 4 | 5 7 | 0 35 | 20 28 | 0 35 | 20 49 | 0 6 | 0 21 | 2 9 | 13 13 | 0 33 | 19 22 | 0 37 | 4 5 | 15 43 | 18 5 | 17 49 | 15 51 | 8 13 | 7 45 |
| M22 | 19 34 | 19 35 | 0n56 | 18 17 | 2 2 | 4 38 | 0 29 | 20 35 | 0 34 | 20 46 | 0 6 | 0 21 | 2 10 | 13 13 | 0 33 | 19 21 | 0 37 | 4 5 | 15 43 | 18 5 | 17 49 | 15 52 | 8 14 | 7 45 |
| T 23 | 19 20 | 20 27 | 1 57 | 17 45 | 1 59 | 4 9 | 0 23 | 20 42 | 0 34 | 20 44 | 0 6 | 0 22 | 2 10 | 13 14 | 0 34 | 19 21 | 0 37 | 4 5 | 15 44 | 18 5 | 17 48 | 15 53 | 8 15 | 7 45 |
| W24 | 19 6 | 20 22 | 2 54 | 17 11 | 1 55 | 3 40 | 0 18 | 20 49 | 0 33 | 20 41 | 0 6 | 0 23 | 2 10 | 13 14 | 0 34 | 19 20 | 0 37 | 4 4 | 15 44 | 18 3 | 17 47 | 15 55 | 8 16 | 7 45 |
| T 25 | 18 51 | 19 17 | 3 44 | 16 37 | 1 50 | 3 10 | 0 12 | 20 56 | 0 32 | 20 38 | 0 6 | 0 23 | 2 10 | 13 14 | 0 34 | 19 20 | 0 37 | 4 4 | 15 44 | 18 1 | 17 46 | 15 56 | 8 17 | 7 45 |
| F 26 | 18 36 | 17 12 | 4 23 | 16 2 | 1 45 | 2 41 | 0 5 | 21 3 | 0 32 | 20 36 | 0 6 | 0 24 | 2 11 | 13 15 | 0 34 | 19 19 | 0 37 | 4 4 | 15 45 | 17 58 | 17 45 | 15 57 | 8 18 | 7 45 |
| S 27 | 18 21 | 14 11 | 4 50 | 15 26 | 1 39 | 2 12 | 0n 1 | 21 9 | 0 31 | 20 33 | 0 6 | 0 25 | 2 11 | 13 15 | 0 34 | 19 19 | 0 37 | 4 4 | 15 45 | 17 55 | 17 44 | 15 58 | 8 19 | 7 45 |
| S 28 | 18 5 | 10 23 | 5 1 | 14 49 | 1 32 | 1 43 | 0 7 | 21 15 | 0 31 | 20 30 | 0 6 | 0 26 | 2 11 | 13 15 | 0 34 | 19 19 | 0 37 | 4 4 | 15 46 | 17 52 | 17 44 | 15 59 | 8 21 | 7 46 |
| M29 | 17 49 | 5 59 | 4 55 | 14 11 | 1 25 | 1 13 | 0 14 | 21 21 | 0 30 | 20 28 | 0 6 | 0 27 | 2 12 | 13 15 | 0 34 | 19 18 | 0 37 | 4 3 | 15 46 | 17 49 | 17 43 | 16 1 | 8 22 | 7 46 |
| T 30 | 17 33 | 1 13 | 4 31 | 13 33 | 1 17 | 0 44 | 0 21 | 21 27 | 0 30 | 20 25 | 0 7 | 0 28 | 2 12 | 13 15 | 0 34 | 19 18 | 0 37 | 4 3 | 15 47 | 17 46 | 17 42 | 16 2 | 8 23 | 7 46 |
| W31 | 17s17 | 3n39 | 3n51 | 12s54 | 1s 8 | 0s15 | 0n27 | 21s33 | 0n29 | 20s22 | 0s 7 | 0n29 | 2n12 | 13s16 | 0n34 | 19s17 | 0n37 | 4s 3 | 15n47 | 17s44 | 17s41 | 16s 3 | 8n24 | 7s46 |

Julian Day Number = 2809848.5, Delta T = 52m50s
Ecliptic obliquity = 23°18'38, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°28'22, Lahiri = 37°35'22


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# ASTRODIENST EPHEMERIS for the year 2981
# geocentric

## FEBRUARY 2981 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 47 56 | 12♒23'16 | 14♈22 | 0♓ 8 | 29♓15 | 12♐ 1 | 29♑ 9 | 3°R52 | 7♏ 3 | 0♒46 | 27♏19 | 20°R13 | 20♏ 5 | 12♏ 7 | 16°R22 | T 1 |
| F 2 | 8 51 52 | 13°24'20 | 28°27 | 1°29 | 0♈12 | 12°39 | 29°23 | 3♎50 | 7° 3 | 0°48 | 27°20 | 20♏11 | 20° 2 | 12°14 | 16♌18 | F 2 |
| S 3 | 8 55 49 | 14°25'23 | 12♉32 | 2°46 | 1° 8 | 13°17 | 29°36 | 3°48 | 7° 4 | 0°50 | 27°21 | 20°10 | 19°59 | 12°20 | 16°13 | S 3 |
| S 4 | 8 59 45 | 15°26'26 | 26°36 | 3°58 | 2° 4 | 13°54 | 29°50 | 3°46 | 7° 4 | 0°52 | 27°22 | 20°10 | 19°56 | 12°27 | 16° 9 | S 4 |
| M 5 | 9 3 42 | 16°27'27 | 10♊39 | 5° 5 | 2°58 | 14°31 | 0♒ 4 | 3°43 | 7° 4 | 0°55 | 27°22 | 20° 9 | 19°52 | 12°33 | 16° 4 | M 5 |
| T 6 | 9 7 38 | 17°28'28 | 24°38 | 6° 5 | 3°53 | 15° 9 | 0°17 | 3°41 | 7° 5 | 0°57 | 27°23 | 20° 6 | 19°49 | 12°40 | 16° 0 | T 6 |
| W 7 | 9 11 35 | 18°29'28 | 8♋34 | 6°58 | 4°46 | 15°46 | 0°31 | 3°38 | 7° 5 | 0°59 | 27°24 | 20° 0 | 19°46 | 12°47 | 15°56 | W 7 |
| T 8 | 9 15 31 | 19°30'27 | 22°23 | 7°44 | 5°39 | 16°24 | 0°44 | 3°36 | 7° 5 | 1° 1 | 27°25 | 19°51 | 19°43 | 12°53 | 15°51 | T 8 |
| F 9 | 9 19 28 | 20°31'25 | 6♌ 3 | 8°20 | 6°31 | 17° 1 | 0°58 | 3°33 | 7° 5 | 1° 3 | 27°26 | 19°40 | 19°40 | 13° 0 | 15°47 | F 9 |
| S 10 | 9 23 25 | 21°32'22 | 19°29 | 8°47 | 7°22 | 17°39 | 1°11 | 3°30 | 7°R 5 | 1° 6 | 27°26 | 19°26 | 19°37 | 13° 7 | 15°42 | S 10 |
| S 11 | 9 27 21 | 22°33'18 | 2♍41 | 9° 3 | 8°12 | 18°16 | 1°25 | 3°27 | 7° 5 | 1° 8 | 27°27 | 19°13 | 19°33 | 13°13 | 15°38 | S 11 |
| M12 | 9 31 18 | 23°34'14 | 15°35 | 9°R 9 | 9° 2 | 18°53 | 1°38 | 3°24 | 7° 5 | 1°10 | 27°27 | 19° 0 | 19°30 | 13°20 | 15°34 | M12 |
| T 13 | 9 35 14 | 24°35'09 | 28°11 | 9° 3 | 9°51 | 19°31 | 1°52 | 3°21 | 7° 5 | 1°12 | 27°28 | 18°49 | 19°27 | 13°27 | 15°29 | T 13 |
| W14 | 9 39 11 | 25°36'03 | 10♎30 | 8°46 | 10°39 | 20° 8 | 2° 5 | 3°18 | 7° 4 | 1°14 | 27°29 | 18°41 | 19°24 | 13°33 | 15°25 | W14 |
| T 15 | 9 43 7 | 26°36'56 | 22°35 | 8°18 | 11°26 | 20°45 | 2°18 | 3°14 | 7° 4 | 1°16 | 27°29 | 18°36 | 19°21 | 13°40 | 15°21 | T 15 |
| F 16 | 9 47 4 | 27°37'49 | 4♏29 | 7°39 | 12°12 | 21°23 | 2°31 | 3°11 | 7° 4 | 1°18 | 27°29 | 18°34 | 19°18 | 13°47 | 15°16 | F 16 |
| S 17 | 9 51 0 | 28°38'41 | 16°17 | 6°51 | 12°57 | 22° 0 | 2°45 | 3° 8 | 7° 3 | 1°20 | 27°30 | 18°D33 | 19°14 | 13°53 | 15°12 | S 17 |
| S 18 | 9 54 57 | 29°39'32 | 28° 5 | 5°54 | 13°41 | 22°37 | 2°58 | 3° 4 | 7° 3 | 1°23 | 27°30 | 18°R33 | 19°11 | 14° 0 | 15° 8 | S 18 |
| M19 | 9 58 54 | 0♓40'23 | 9♐58 | 4°50 | 14°24 | 23°14 | 3°11 | 3° 0 | 7° 2 | 1°25 | 27°31 | 18°33 | 19° 8 | 14° 6 | 15° 4 | M19 |
| T 20 | 10 2 50 | 1°41'13 | 22° 1 | 3°42 | 15° 6 | 23°52 | 3°24 | 2°57 | 7° 2 | 1°27 | 27°31 | 18°31 | 19° 5 | 14°13 | 14°59 | T 20 |
| W21 | 10 6 47 | 2°42'02 | 4♑20 | 2°30 | 15°46 | 24°29 | 3°37 | 2°53 | 7° 1 | 1°29 | 27°31 | 18°27 | 19° 2 | 14°20 | 14°55 | W21 |
| T 22 | 10 10 43 | 3°42'50 | 16°58 | 1°17 | 16°26 | 25° 6 | 3°50 | 2°49 | 7° 1 | 1°31 | 27°32 | 18°20 | 18°58 | 14°26 | 14°51 | T 22 |
| F 23 | 10 14 40 | 4°43'37 | 29°59 | 0° 6 | 17° 4 | 25°43 | 4° 3 | 2°45 | 7° 0 | 1°33 | 27°32 | 18°11 | 18°55 | 14°33 | 14°47 | F 23 |
| S 24 | 10 18 36 | 5°44'23 | 13♒25 | 28♒58 | 17°41 | 26°20 | 4°16 | 2°41 | 6°59 | 1°35 | 27°32 | 18° 0 | 18°52 | 14°40 | 14°43 | S 24 |
| S 25 | 10 22 33 | 6°45'08 | 27°13 | 27°54 | 18°16 | 26°57 | 4°29 | 2°37 | 6°58 | 1°37 | 27°32 | 17°48 | 18°49 | 14°46 | 14°39 | S 25 |
| M26 | 10 26 29 | 7°45'51 | 11♓20 | 26°55 | 18°51 | 27°34 | 4°42 | 2°33 | 6°58 | 1°38 | 27°32 | 17°36 | 18°46 | 14°53 | 14°35 | M26 |
| T 27 | 10 30 26 | 8°46'33 | 25°41 | 26° 4 | 19°23 | 28°11 | 4°54 | 2°29 | 6°57 | 1°40 | 27°32 | 17°26 | 18°43 | 15° 0 | 14°31 | T 27 |
| W28 | 10 34 23 | 9♓47'14 | 10♈ 9 | 25♒20 | 19♈55 | 28♐48 | 5♒ 7 | 2♎25 | 6♏56 | 1♒42 | 27°R32 | 17♏19 | 18♏39 | 15♏ 6 | 14♌27 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 17s 0 | 8n22 | 2n57 | 12s16 | 0s58 | 0n14 | 0n34 | 21s39 | 0n28 | 20s20 | 0s 7 | 0n30 | 2n12 | 13s16 | 0n34 | 19s17 | 0n37 | 4s 3 | 15n48 | 17s42 | 17s40 | 16s 4 | 8n26 | 7s46 | T 1 |
| F 2 | 16 42 | 12 37 | 1 52 | 11 37 | 0 47 | 0 43 | 0 42 | 21 44 | 0 28 | 20 17 | 0 7 | 0 31 | 2 13 | 13 16 | 0 34 | 19 16 | 0 37 | 4 2 | 15 48 | 17 42 | 17 39 | 16 5 | 8 27 | 7 46 | F 2 |
| S 3 | 16 25 | 16 9 | 0 40 | 10 59 | 0 35 | 1 12 | 0 49 | 21 49 | 0 27 | 20 14 | 0 7 | 0 32 | 2 13 | 13 16 | 0 34 | 19 16 | 0 37 | 4 2 | 15 49 | 17 42 | 17 38 | 16 7 | 8 28 | 7 46 | S 3 |
| S 4 | 16 7 | 18 44 | 0s34 | 10 21 | 0 22 | 1 41 | 0 56 | 21 55 | 0 26 | 20 11 | 0 7 | 0 33 | 2 13 | 13 16 | 0 34 | 19 15 | 0 37 | 4 2 | 15 49 | 17 42 | 17 38 | 16 8 | 8 29 | 7 46 | S 4 |
| M 5 | 15 49 | 20 10 | 1 46 | 9 44 | 0 9 | 2 9 | 1 4 | 22 0 | 0 26 | 20 9 | 0 7 | 0 34 | 2 13 | 13 16 | 0 34 | 19 15 | 0 37 | 4 1 | 15 50 | 17 41 | 17 37 | 16 9 | 8 31 | 7 46 | M 5 |
| T 6 | 15 31 | 20 21 | 2 51 | 9 9 | 0n 5 | 2 38 | 1 12 | 22 4 | 0 25 | 20 6 | 0 7 | 0 35 | 2 14 | 13 16 | 0 34 | 19 14 | 0 37 | 4 1 | 15 50 | 17 40 | 17 36 | 16 10 | 8 32 | 7 45 | T 6 |
| W 7 | 15 12 | 19 17 | 3 46 | 8 35 | 0 21 | 3 6 | 1 19 | 22 9 | 0 24 | 20 3 | 0 7 | 0 37 | 2 14 | 13 16 | 0 34 | 19 14 | 0 37 | 4 1 | 15 51 | 17 39 | 17 35 | 16 11 | 8 33 | 7 45 | W 7 |
| T 8 | 14 53 | 17 4 | 4 27 | 8 4 | 0 36 | 3 34 | 1 27 | 22 14 | 0 24 | 20 0 | 0 7 | 0 38 | 2 14 | 13 16 | 0 34 | 19 13 | 0 37 | 4 0 | 15 51 | 17 36 | 17 34 | 16 13 | 8 35 | 7 45 | T 8 |
| F 9 | 14 34 | 13 57 | 4 52 | 7 35 | 0 53 | 4 2 | 1 35 | 22 18 | 0 23 | 19 57 | 0 8 | 0 39 | 2 14 | 13 16 | 0 34 | 19 13 | 0 37 | 4 0 | 15 52 | 17 33 | 17 33 | 16 14 | 8 36 | 7 45 | F 9 |
| S 10 | 14 15 | 10 8 | 5 0 | 7 9 | 1 10 | 4 30 | 1 44 | 22 22 | 0 22 | 19 55 | 0 8 | 0 41 | 2 14 | 13 16 | 0 34 | 19 12 | 0 37 | 4 0 | 15 52 | 17 30 | 17 32 | 16 15 | 8 38 | 7 45 | S 10 |
| S 11 | 13 55 | 5 55 | 4 52 | 6 47 | 1 27 | 4 57 | 1 52 | 22 26 | 0 22 | 19 52 | 0 8 | 0 42 | 2 15 | 13 16 | 0 34 | 19 12 | 0 37 | 3 59 | 15 53 | 17 26 | 17 32 | 16 16 | 8 39 | 7 45 | S 11 |
| M12 | 13 35 | 1 31 | 4 29 | 6 29 | 1 44 | 5 25 | 2 1 | 22 30 | 0 21 | 19 49 | 0 8 | 0 43 | 2 15 | 13 16 | 0 34 | 19 11 | 0 37 | 3 59 | 15 53 | 17 23 | 17 31 | 16 17 | 8 40 | 7 45 | M12 |
| T 13 | 13 15 | 2s51 | 3 53 | 6 15 | 2 2 | 5 52 | 2 9 | 22 34 | 0 20 | 19 46 | 0 8 | 0 45 | 2 15 | 13 16 | 0 34 | 19 11 | 0 37 | 3 59 | 15 54 | 17 20 | 17 30 | 16 18 | 8 42 | 7 45 | T 13 |
| W14 | 12 55 | 7 0 | 3 7 | 6 6 | 2 18 | 6 19 | 2 18 | 22 37 | 0 19 | 19 43 | 0 8 | 0 46 | 2 15 | 13 16 | 0 34 | 19 11 | 0 37 | 3 58 | 15 54 | 17 18 | 17 29 | 16 19 | 8 43 | 7 44 | W14 |
| T 15 | 12 35 | 10 48 | 2 13 | 6 1 | 2 34 | 6 45 | 2 27 | 22 41 | 0 19 | 19 40 | 0 8 | 0 48 | 2 16 | 13 16 | 0 34 | 19 10 | 0 37 | 3 58 | 15 55 | 17 16 | 17 28 | 16 21 | 8 45 | 7 44 | T 15 |
| F 16 | 12 14 | 14 6 | 1 14 | 6 2 | 2 49 | 7 12 | 2 36 | 22 44 | 0 18 | 19 37 | 0 8 | 0 49 | 2 16 | 13 16 | 0 34 | 19 10 | 0 37 | 3 57 | 15 55 | 17 15 | 17 27 | 16 22 | 8 46 | 7 44 | F 16 |
| S 17 | 11 53 | 16 49 | 0 12 | 6 7 | 3 3 | 7 37 | 2 45 | 22 47 | 0 17 | 19 35 | 0 8 | 0 51 | 2 16 | 13 15 | 0 34 | 19 9 | 0 37 | 3 57 | 15 56 | 17 15 | 17 26 | 16 23 | 8 47 | 7 44 | S 17 |
| S 18 | 11 32 | 18 48 | 0n50 | 6 17 | 3 14 | 8 3 | 2 55 | 22 50 | 0 16 | 19 32 | 0 8 | 0 52 | 2 16 | 13 15 | 0 34 | 19 9 | 0 37 | 3 57 | 15 56 | 17 15 | 17 26 | 16 24 | 8 49 | 7 43 | S 18 |
| M19 | 11 11 | 19 59 | 1 51 | 6 31 | 3 24 | 8 28 | 3 4 | 22 53 | 0 16 | 19 29 | 0 9 | 0 54 | 2 16 | 13 15 | 0 34 | 19 8 | 0 37 | 3 56 | 15 57 | 17 15 | 17 25 | 16 25 | 8 50 | 7 43 | M19 |
| T 20 | 10 49 | 20 17 | 2 48 | 6 49 | 3 31 | 8 53 | 3 13 | 22 55 | 0 15 | 19 26 | 0 9 | 0 56 | 2 17 | 13 15 | 0 34 | 19 8 | 0 37 | 3 56 | 15 57 | 17 15 | 17 24 | 16 26 | 8 52 | 7 43 | T 20 |
| W21 | 10 27 | 19 37 | 3 38 | 7 10 | 3 36 | 9 18 | 3 23 | 22 58 | 0 14 | 19 23 | 0 9 | 0 57 | 2 17 | 13 15 | 0 34 | 19 7 | 0 37 | 3 55 | 15 58 | 17 14 | 17 23 | 16 27 | 8 53 | 7 42 | W21 |
| T 22 | 10 6 | 17 58 | 4 19 | 7 33 | 3 39 | 9 42 | 3 33 | 23 0 | 0 13 | 19 20 | 0 9 | 0 59 | 2 17 | 13 14 | 0 34 | 19 7 | 0 37 | 3 55 | 15 58 | 17 12 | 17 22 | 16 28 | 8 55 | 7 42 | T 22 |
| F 23 | 9 44 | 15 22 | 4 47 | 7 58 | 3 39 | 10 6 | 3 43 | 23 2 | 0 13 | 19 17 | 0 9 | 1 1 | 2 17 | 13 14 | 0 34 | 19 7 | 0 37 | 3 54 | 15 59 | 17 9 | 17 21 | 16 30 | 8 56 | 7 42 | F 23 |
| S 24 | 9 21 | 11 53 | 5 1 | 8 23 | 3 36 | 10 29 | 3 53 | 23 4 | 0 12 | 19 14 | 0 9 | 1 2 | 2 17 | 13 14 | 0 34 | 19 6 | 0 37 | 3 54 | 15 59 | 17 6 | 17 20 | 16 31 | 8 58 | 7 41 | S 24 |
| S 25 | 8 59 | 7 42 | 4 58 | 8 49 | 3 32 | 10 52 | 4 3 | 23 6 | 0 11 | 19 11 | 0 9 | 1 4 | 2 18 | 13 14 | 0 34 | 19 6 | 0 37 | 3 54 | 16 0 | 17 3 | 17 20 | 16 32 | 8 59 | 7 41 | S 25 |
| M26 | 8 37 | 3 0 | 4 37 | 9 15 | 3 25 | 11 14 | 4 13 | 23 7 | 0 10 | 19 8 | 0 9 | 1 6 | 2 18 | 13 13 | 0 34 | 19 5 | 0 37 | 3 53 | 16 0 | 17 0 | 17 19 | 16 33 | 9 1 | 7 41 | M26 |
| T 27 | 8 14 | 1n56 | 3 58 | 9 40 | 3 17 | 11 36 | 4 23 | 23 9 | 0 9 | 19 5 | 0 9 | 1 8 | 2 18 | 13 13 | 0 34 | 19 5 | 0 37 | 3 53 | 16 1 | 16 57 | 17 18 | 16 34 | 9 2 | 7 40 | T 27 |
| W28 | 7s51 | 6n49 | 3n 4 | 10s 3 | 3n 8 | 11n58 | 4n33 | 23s10 | 0n 8 | 19s 2 | 0s 9 | 1n10 | 2n18 | 13s13 | 0n34 | 19s 4 | 0n37 | 3s52 | 16n 1 | 16s55 | 17s17 | 16s35 | 9n 4 | 7s40 | W28 |

Julian Day Number = 2809879.5, Delta T = 52m50s
Ecliptic obliquity = 23°18'38, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°28'26, Lahiri = 37°35'27


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# ASTRODIENST EPHEMERIS for the year 2981
# geocentric

## MARCH 2981 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 38 19 | 10♓47'54 | 24♈39 | 24°R43 | 20♈24 | 29♐25 | 5♒20 | 2°R21 | 6°R55 | 1♒44 | 27°R32 | 17°R14 | 18♏36 | 15♏13 | 14°R24 | T 1 |
| F 2 | 10 42 16 | 11°48'32 | 9♉ 5 | 24♒15 | 20°52 | 0♑ 2 | 5°32 | 2♎16 | 6♏54 | 1°46 | 27♏32 | 17♏12 | 18°33 | 15°20 | 14♌20 | F 2 |
| S 3 | 10 46 12 | 12°49'08 | 23°23 | 23°54 | 21°19 | 0°39 | 5°45 | 2°12 | 6°52 | 1°48 | 27°32 | 17°D12 | 18°30 | 15°26 | 14°16 | S 3 |
| S 4 | 10 50 9 | 13°49'43 | 7♊31 | 23°41 | 21°43 | 1°16 | 5°57 | 2° 8 | 6°51 | 1°50 | 27°32 | 17°R13 | 18°27 | 15°33 | 14°13 | S 4 |
| M 5 | 10 54 5 | 14°50'15 | 21°29 | 23°D36 | 22° 6 | 1°53 | 6° 9 | 2° 3 | 6°50 | 1°51 | 27°32 | 17°13 | 18°24 | 15°39 | 14° 9 | M 5 |
| T 6 | 10 58 2 | 15°50'47 | 5♋16 | 23°37 | 22°27 | 2°29 | 6°22 | 1°59 | 6°49 | 1°53 | 27°32 | 17°11 | 18°20 | 15°46 | 14° 6 | T 6 |
| W 7 | 11 1 58 | 16°51'16 | 18°53 | 23°45 | 22°45 | 3° 6 | 6°34 | 1°54 | 6°47 | 1°55 | 27°31 | 17° 7 | 18°17 | 15°53 | 14° 2 | W 7 |
| T 8 | 11 5 55 | 17°51'43 | 2♌18 | 24° 0 | 23° 2 | 3°43 | 6°46 | 1°50 | 6°46 | 1°57 | 27°31 | 17° 0 | 18°14 | 15°59 | 13°59 | T 8 |
| F 9 | 11 9 52 | 18°52'09 | 15°32 | 24°20 | 23°17 | 4°20 | 6°58 | 1°45 | 6°45 | 1°58 | 27°31 | 16°51 | 18°11 | 16° 6 | 13°56 | F 9 |
| S 10 | 11 13 48 | 19°52'33 | 28°35 | 24°46 | 23°30 | 4°56 | 7°10 | 1°40 | 6°43 | 2° 0 | 27°30 | 16°41 | 18° 8 | 16°13 | 13°52 | S 10 |
| S 11 | 11 17 45 | 20°52'55 | 11♍24 | 25°17 | 23°40 | 5°33 | 7°22 | 1°36 | 6°42 | 2° 2 | 27°30 | 16°30 | 18° 4 | 16°19 | 13°49 | S 11 |
| M12 | 11 21 41 | 21°53'16 | 24° 1 | 25°52 | 23°48 | 6° 9 | 7°34 | 1°31 | 6°40 | 2° 3 | 27°30 | 16°20 | 18° 1 | 16°26 | 13°46 | M12 |
| T 13 | 11 25 38 | 22°53'35 | 6♎24 | 26°32 | 23°54 | 6°46 | 7°46 | 1°26 | 6°39 | 2° 5 | 27°29 | 16°12 | 17°58 | 16°33 | 13°43 | T 13 |
| W14 | 11 29 34 | 23°53'52 | 18°35 | 27°16 | 23°57 | 7°22 | 7°57 | 1°22 | 6°37 | 2° 7 | 27°29 | 16° 6 | 17°55 | 16°39 | 13°40 | W14 |
| T 15 | 11 33 31 | 24°54'08 | 0♏35 | 28° 3 | 23°R58 | 7°59 | 8° 9 | 1°17 | 6°35 | 2° 8 | 27°28 | 16° 2 | 17°52 | 16°46 | 13°38 | T 15 |
| F 16 | 11 37 27 | 25°54'22 | 12°27 | 28°54 | 23°56 | 8°35 | 8°21 | 1°12 | 6°33 | 2°10 | 27°28 | 16°D 1 | 17°49 | 16°53 | 13°35 | F 16 |
| S 17 | 11 41 24 | 26°54'35 | 24°15 | 29°49 | 23°52 | 9°12 | 8°32 | 1° 7 | 6°32 | 2°11 | 27°27 | 16° 1 | 17°45 | 16°59 | 13°32 | S 17 |
| S 18 | 11 45 20 | 27°54'47 | 6♐ 3 | 0♓46 | 23°46 | 9°48 | 8°43 | 1° 3 | 6°30 | 2°13 | 27°27 | 16° 2 | 17°42 | 17° 6 | 13°30 | S 18 |
| M19 | 11 49 17 | 28°54'57 | 17°55 | 1°46 | 23°37 | 10°24 | 8°55 | 0°58 | 6°28 | 2°14 | 27°26 | 16° 4 | 17°39 | 17°13 | 13°27 | M19 |
| T 20 | 11 53 14 | 29°55'05 | 29°57 | 2°48 | 23°26 | 11° 1 | 9° 6 | 0°53 | 6°26 | 2°16 | 27°25 | 16°R 4 | 17°36 | 17°19 | 13°25 | T 20 |
| W21 | 11 57 10 | 0♈55'12 | 12♑14 | 3°53 | 23°12 | 11°37 | 9°17 | 0°48 | 6°24 | 2°17 | 27°25 | 16° 4 | 17°33 | 17°26 | 13°22 | W21 |
| T 22 | 12 1 7 | 1°55'17 | 24°51 | 5° 1 | 22°55 | 12°13 | 9°28 | 0°43 | 6°22 | 2°18 | 27°24 | 16° 1 | 17°29 | 17°32 | 13°20 | T 22 |
| F 23 | 12 5 3 | 2°55'21 | 7♒52 | 6°10 | 22°37 | 12°49 | 9°39 | 0°39 | 6°20 | 2°20 | 27°23 | 15°57 | 17°26 | 17°39 | 13°18 | F 23 |
| S 24 | 12 9 0 | 3°55'24 | 21°19 | 7°22 | 22°15 | 13°25 | 9°50 | 0°34 | 6°18 | 2°21 | 27°22 | 15°51 | 17°23 | 17°46 | 13°16 | S 24 |
| S 25 | 12 12 56 | 4°55'24 | 5♓13 | 8°35 | 21°52 | 14° 1 | 10° 1 | 0°29 | 6°16 | 2°22 | 27°22 | 15°44 | 17°20 | 17°52 | 13°14 | S 25 |
| M26 | 12 16 53 | 5°55'23 | 19°32 | 9°50 | 21°27 | 14°37 | 10°11 | 0°24 | 6°14 | 2°24 | 27°21 | 15°37 | 17°17 | 17°59 | 13°12 | M26 |
| T 27 | 12 20 49 | 6°55'20 | 4♈10 | 11° 7 | 20°59 | 15°13 | 10°22 | 0°19 | 6°12 | 2°25 | 27°20 | 15°32 | 17°14 | 18° 6 | 13°10 | T 27 |
| W28 | 12 24 46 | 7°55'15 | 19° 1 | 12°26 | 20°30 | 15°49 | 10°32 | 0°15 | 6°10 | 2°26 | 27°19 | 15°28 | 17°10 | 18°12 | 13° 8 | W28 |
| T 29 | 12 28 43 | 8°55'09 | 3♉55 | 13°46 | 19°58 | 16°25 | 10°42 | 0°10 | 6° 8 | 2°27 | 27°18 | 15°25 | 17° 7 | 18°19 | 13° 7 | T 29 |
| F 30 | 12 32 39 | 9°55'00 | 18°46 | 15° 8 | 19°26 | 17° 0 | 10°53 | 0° 5 | 6° 6 | 2°28 | 27°17 | 15°D25 | 17° 4 | 18°26 | 13° 5 | F 30 |
| S 31 | 12 36 36 | 10♈54'49 | 3♊27 | 16♓31 | 18♈52 | 17♑36 | 11♒ 3 | 0♎ 1 | 6♏ 3 | 2♒29 | 27♏16 | 15♏26 | 17♏ 1 | 18♏32 | 13♌ 4 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7s29 | 11n19 | 1n57 | 10s25 | 2n57 | 12n18 | 4n44 | 23s11 | 0n 7 | 18s59 | 0s10 | 1n11 | 2n18 | 13s12 | 0n34 | 19s 4 | 0n37 | 3s52 | 16n 2 | 16s53 | 17s16 | 16s36 | 9n 5 | 7s39 |
| F 2 | 7 6 | 15 8 | 0 43 | 10 46 | 2 46 | 12 39 | 4 54 | 23 12 | 0 7 | 18 56 | 0 10 | 1 13 | 2 18 | 13 12 | 0 34 | 19 4 | 0 37 | 3 51 | 16 2 | 16 53 | 17 15 | 16 37 | 9 6 | 7 39 |
| S 3 | 6 43 | 17 59 | 0s33 | 11 4 | 2 34 | 12 58 | 5 4 | 23 13 | 0 6 | 18 54 | 0 10 | 1 15 | 2 19 | 13 12 | 0 34 | 19 3 | 0 37 | 3 51 | 16 3 | 16 53 | 17 14 | 16 38 | 9 8 | 7 39 |
| S 4 | 6 20 | 19 42 | 1 46 | 11 20 | 2 21 | 13 17 | 5 15 | 23 14 | 0 5 | 18 51 | 0 10 | 1 17 | 2 19 | 13 11 | 0 34 | 19 3 | 0 37 | 3 50 | 16 3 | 16 53 | 17 13 | 16 39 | 9 9 | 7 38 |
| M 5 | 5 56 | 20 10 | 2 52 | 11 34 | 2 8 | 13 35 | 5 25 | 23 14 | 0 4 | 18 48 | 0 10 | 1 19 | 2 19 | 13 11 | 0 34 | 19 2 | 0 37 | 3 50 | 16 4 | 16 53 | 17 13 | 16 41 | 9 11 | 7 38 |
| T 6 | 5 33 | 19 25 | 3 48 | 11 46 | 1 55 | 13 53 | 5 36 | 23 14 | 0 3 | 18 45 | 0 10 | 1 21 | 2 19 | 13 10 | 0 34 | 19 2 | 0 37 | 3 49 | 16 4 | 16 52 | 17 12 | 16 42 | 9 12 | 7 37 |
| W 7 | 5 10 | 17 33 | 4 29 | 11 56 | 1 42 | 14 9 | 5 46 | 23 15 | 0 2 | 18 42 | 0 10 | 1 23 | 2 19 | 13 10 | 0 34 | 19 2 | 0 37 | 3 49 | 16 5 | 16 51 | 17 11 | 16 43 | 9 14 | 7 37 |
| T 8 | 4 46 | 14 45 | 4 55 | 12 3 | 1 29 | 14 25 | 5 56 | 23 15 | 0 1 | 18 39 | 0 10 | 1 24 | 2 19 | 13 9 | 0 35 | 19 1 | 0 37 | 3 48 | 16 5 | 16 49 | 17 10 | 16 44 | 9 15 | 7 36 |
| F 9 | 4 23 | 11 14 | 5 5 | 12 9 | 1 16 | 14 40 | 6 7 | 23 14 | 0s 0 | 18 36 | 0 10 | 1 26 | 2 19 | 13 9 | 0 35 | 19 1 | 0 37 | 3 47 | 16 6 | 16 47 | 17 9 | 16 45 | 9 16 | 7 36 |
| S 10 | 3 59 | 7 14 | 4 58 | 12 13 | 1 3 | 14 55 | 6 17 | 23 14 | 0 1 | 18 33 | 0 11 | 1 28 | 2 19 | 13 8 | 0 35 | 19 0 | 0 37 | 3 47 | 16 6 | 16 44 | 17 8 | 16 46 | 9 18 | 7 35 |
| S 11 | 3 36 | 2 58 | 4 37 | 12 14 | 0 50 | 15 8 | 6 27 | 23 14 | 0 2 | 18 30 | 0 11 | 1 30 | 2 20 | 13 8 | 0 35 | 19 0 | 0 37 | 3 46 | 16 7 | 16 41 | 17 7 | 16 47 | 9 19 | 7 34 |
| M12 | 3 12 | 1s21 | 4 2 | 12 14 | 0 38 | 15 20 | 6 37 | 23 13 | 0 3 | 18 27 | 0 11 | 1 32 | 2 20 | 13 7 | 0 35 | 19 0 | 0 37 | 3 46 | 16 7 | 16 38 | 17 6 | 16 48 | 9 21 | 7 34 |
| T 13 | 2 48 | 5 32 | 3 16 | 12 12 | 0 26 | 15 31 | 6 47 | 23 12 | 0 4 | 18 24 | 0 11 | 1 34 | 2 20 | 13 7 | 0 35 | 18 59 | 0 37 | 3 45 | 16 8 | 16 36 | 17 6 | 16 49 | 9 22 | 7 33 |
| W14 | 2 25 | 9 26 | 2 22 | 12 8 | 0 14 | 15 41 | 6 56 | 23 11 | 0 5 | 18 21 | 0 11 | 1 36 | 2 20 | 13 6 | 0 35 | 18 59 | 0 37 | 3 45 | 16 8 | 16 34 | 17 5 | 16 50 | 9 23 | 7 33 |
| T 15 | 2 1 | 12 54 | 1 22 | 12 2 | 0 3 | 15 51 | 7 6 | 23 10 | 0 6 | 18 19 | 0 11 | 1 38 | 2 20 | 13 6 | 0 35 | 18 59 | 0 37 | 3 44 | 16 8 | 16 33 | 17 4 | 16 51 | 9 25 | 7 32 |
| F 16 | 1 37 | 15 48 | 0 19 | 11 55 | 0s 8 | 15 58 | 7 15 | 23 9 | 0 7 | 18 16 | 0 11 | 1 40 | 2 20 | 13 5 | 0 35 | 18 58 | 0 37 | 3 44 | 16 9 | 16 33 | 17 3 | 16 52 | 9 26 | 7 32 |
| S 17 | 1 13 | 18 1 | 0n44 | 11 46 | 0 18 | 16 5 | 7 24 | 23 8 | 0 8 | 18 13 | 0 11 | 1 42 | 2 20 | 13 5 | 0 35 | 18 58 | 0 37 | 3 43 | 16 9 | 16 33 | 17 2 | 16 53 | 9 27 | 7 31 |
| S 18 | 0 50 | 19 27 | 1 46 | 11 35 | 0 28 | 16 11 | 7 32 | 23 6 | 0 9 | 18 10 | 0 12 | 1 44 | 2 20 | 13 4 | 0 35 | 18 58 | 0 37 | 3 43 | 16 10 | 16 33 | 17 1 | 16 54 | 9 29 | 7 30 |
| M19 | 0 26 | 20 3 | 2 44 | 11 23 | 0 38 | 16 15 | 7 40 | 23 5 | 0 10 | 18 7 | 0 12 | 1 46 | 2 20 | 13 3 | 0 35 | 18 57 | 0 37 | 3 42 | 16 10 | 16 33 | 17 0 | 16 55 | 9 30 | 7 30 |
| T 20 | 0 2 | 19 43 | 3 35 | 11 9 | 0 47 | 16 18 | 7 48 | 23 3 | 0 12 | 18 4 | 0 12 | 1 48 | 2 20 | 13 3 | 0 35 | 18 57 | 0 37 | 3 41 | 16 11 | 16 34 | 16 59 | 16 56 | 9 31 | 7 29 |
| W21 | 0n22 | 18 28 | 4 18 | 10 54 | 0 56 | 16 19 | 7 55 | 23 1 | 0 13 | 18 2 | 0 12 | 1 50 | 2 20 | 13 2 | 0 35 | 18 57 | 0 37 | 3 41 | 16 11 | 16 33 | 16 59 | 16 57 | 9 32 | 7 28 |
| T 22 | 0 46 | 16 18 | 4 49 | 10 37 | 1 4 | 16 19 | 8 2 | 22 59 | 0 14 | 17 59 | 0 12 | 1 52 | 2 20 | 13 2 | 0 35 | 18 56 | 0 37 | 3 40 | 16 12 | 16 33 | 16 58 | 16 58 | 9 34 | 7 28 |
| F 23 | 1 9 | 13 15 | 5 7 | 10 19 | 1 12 | 16 17 | 8 8 | 22 57 | 0 15 | 17 56 | 0 12 | 1 54 | 2 20 | 13 1 | 0 35 | 18 56 | 0 37 | 3 40 | 16 12 | 16 31 | 16 57 | 16 59 | 9 35 | 7 27 |
| S 24 | 1 33 | 9 26 | 5 9 | 10 0 | 1 20 | 16 15 | 8 13 | 22 54 | 0 16 | 17 53 | 0 12 | 1 56 | 2 21 | 13 0 | 0 35 | 18 56 | 0 37 | 3 39 | 16 12 | 16 30 | 16 56 | 17 0 | 9 36 | 7 26 |
| S 25 | 1 57 | 5 0 | 4 52 | 9 39 | 1 27 | 16 10 | 8 18 | 22 52 | 0 17 | 17 51 | 0 12 | 1 58 | 2 21 | 13 0 | 0 35 | 18 55 | 0 37 | 3 39 | 16 13 | 16 28 | 16 55 | 17 1 | 9 37 | 7 26 |
| M26 | 2 20 | 0 10 | 4 18 | 9 18 | 1 34 | 16 4 | 8 22 | 22 49 | 0 18 | 17 48 | 0 12 | 2 0 | 2 21 | 12 59 | 0 35 | 18 55 | 0 37 | 3 38 | 16 13 | 16 26 | 16 54 | 17 2 | 9 39 | 7 25 |
| T 27 | 2 44 | 4n48 | 3 26 | 8 54 | 1 40 | 15 57 | 8 25 | 22 46 | 0 20 | 17 45 | 0 13 | 2 1 | 2 21 | 12 58 | 0 35 | 18 55 | 0 37 | 3 37 | 16 14 | 16 24 | 16 53 | 17 3 | 9 40 | 7 24 |
| W28 | 3 8 | 9 33 | 2 19 | 8 30 | 1 46 | 15 48 | 8 28 | 22 44 | 0 21 | 17 42 | 0 13 | 2 3 | 2 21 | 12 57 | 0 35 | 18 55 | 0 37 | 3 37 | 16 14 | 16 23 | 16 52 | 17 4 | 9 41 | 7 24 |
| T 29 | 3 31 | 13 44 | 1 2 | 8 4 | 1 52 | 15 37 | 8 30 | 22 41 | 0 22 | 17 40 | 0 13 | 2 5 | 2 21 | 12 57 | 0 35 | 18 54 | 0 37 | 3 36 | 16 14 | 16 22 | 16 51 | 17 5 | 9 42 | 7 23 |
| F 30 | 3 54 | 17 1 | 0s18 | 7 37 | 1 57 | 15 26 | 8 30 | 22 37 | 0 23 | 17 37 | 0 13 | 2 7 | 2 21 | 12 56 | 0 35 | 18 54 | 0 37 | 3 36 | 16 15 | 16 22 | 16 50 | 17 6 | 9 43 | 7 22 |
| S 31 | 4n18 | 19n 9 | 1s37 | 7s10 | 2s 1 | 15n12 | 8n30 | 22s34 | 0s25 | 17s34 | 0s13 | 2n 9 | 2n21 | 12s55 | 0n35 | 18s54 | 0n37 | 3s35 | 16n15 | 16s22 | 16s50 | 17s 7 | 9n44 | 7s21 |

Julian Day Number = 2809907.5, Delta T = 52m51s
Ecliptic obliquity = 23°18'38, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°28'30, Lahiri = 37°35'30


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# ASTRODIENST EPHEMERIS for the year 2981
# geocentric

## APRIL 2981 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 40 32 | 11♈54'37 | 17♊52 | 17♓56 | 18°R16 | 18♉12 | 11♒13 | 29°R56 | 6°R 1 | 2♒31 | 27°R15 | 15♏27 | 16♏58 | 18♏39 | 13°R 2 | S 1 |
| M 2 | 12 44 29 | 12°54'21 | 1♋59 | 19°22 | 17♈40 | 18°47 | 11°23 | 29♍51 | 5♏59 | 2°32 | 27♏14 | 15°29 | 16°55 | 18°46 | 13♌ 1 | M 2 |
| T 3 | 12 48 25 | 13°54'04 | 15°47 | 20°50 | 17° 3 | 19°23 | 11°33 | 29°47 | 5°56 | 2°33 | 27°13 | 15°R29 | 16°51 | 18°52 | 13° 0 | T 3 |
| W 4 | 12 52 22 | 14°53'45 | 29°17 | 22°19 | 16°25 | 19°58 | 11°42 | 29°42 | 5°54 | 2°34 | 27°12 | 15°28 | 16°48 | 18°59 | 12°59 | W 4 |
| T 5 | 12 56 18 | 15°53'23 | 12♌30 | 23°50 | 15°48 | 20°33 | 11°52 | 29°38 | 5°52 | 2°35 | 27°11 | 15°26 | 16°45 | 19° 5 | 12°58 | T 5 |
| F 6 | 13 0 15 | 16°52'59 | 25°27 | 25°22 | 15°10 | 21° 9 | 12° 1 | 29°33 | 5°49 | 2°35 | 27° 9 | 15°22 | 16°42 | 19°12 | 12°57 | F 6 |
| S 7 | 13 4 11 | 17°52'32 | 8♍10 | 26°55 | 14°33 | 21°44 | 12°11 | 29°29 | 5°47 | 2°36 | 27° 8 | 15°18 | 16°39 | 19°19 | 12°57 | S 7 |
| S 8 | 13 8 8 | 18°52'04 | 20°40 | 28°29 | 13°56 | 22°19 | 12°20 | 29°24 | 5°45 | 2°37 | 27° 7 | 15°13 | 16°35 | 19°25 | 12°56 | S 8 |
| M 9 | 13 12 5 | 19°51'33 | 2♎58 | 0♈ 5 | 13°20 | 22°54 | 12°29 | 29°20 | 5°42 | 2°38 | 27° 6 | 15° 9 | 16°32 | 19°32 | 12°55 | M 9 |
| T 10 | 13 16 1 | 20°51'00 | 15° 7 | 1°42 | 12°45 | 23°29 | 12°38 | 29°16 | 5°40 | 2°39 | 27° 5 | 15° 6 | 16°29 | 19°39 | 12°55 | T 10 |
| W11 | 13 19 58 | 21°50'26 | 27° 7 | 3°21 | 12°11 | 24° 4 | 12°47 | 29°11 | 5°37 | 2°40 | 27° 3 | 15° 3 | 16°26 | 19°45 | 12°55 | W11 |
| T 12 | 13 23 54 | 22°49'49 | 9♏ 1 | 5° 1 | 11°39 | 24°39 | 12°55 | 29° 7 | 5°35 | 2°40 | 27° 2 | 15° 2 | 16°23 | 19°52 | 12°54 | T 12 |
| F 13 | 13 27 51 | 23°49'11 | 20°50 | 6°42 | 11° 8 | 25°14 | 13° 4 | 29° 3 | 5°32 | 2°41 | 27° 1 | 15°D 2 | 16°20 | 19°59 | 12°54 | F 13 |
| S 14 | 13 31 47 | 24°48'30 | 2♐38 | 8°24 | 10°39 | 25°48 | 13°12 | 28°59 | 5°30 | 2°42 | 26°59 | 15° 3 | 16°16 | 20° 5 | 12°D54 | S 14 |
| S 15 | 13 35 44 | 25°47'48 | 14°26 | 10° 8 | 10°13 | 26°23 | 13°21 | 28°55 | 5°27 | 2°42 | 26°58 | 15° 4 | 16°13 | 20°12 | 12°54 | S 15 |
| M16 | 13 39 40 | 26°47'04 | 26°20 | 11°54 | 9°48 | 26°58 | 13°29 | 28°51 | 5°25 | 2°43 | 26°57 | 15° 6 | 16°10 | 20°19 | 12°55 | M16 |
| T 17 | 13 43 37 | 27°46'18 | 8♑22 | 13°40 | 9°25 | 27°32 | 13°37 | 28°47 | 5°22 | 2°44 | 26°55 | 15° 7 | 16° 7 | 20°25 | 12°55 | T 17 |
| W18 | 13 47 34 | 28°45'31 | 20°38 | 15°28 | 9° 5 | 28° 6 | 13°45 | 28°43 | 5°19 | 2°44 | 26°54 | 15° 8 | 16° 4 | 20°32 | 12°55 | W18 |
| T 19 | 13 51 30 | 29°44'42 | 3♒12 | 17°18 | 8°47 | 28°41 | 13°53 | 28°40 | 5°17 | 2°45 | 26°52 | 15°R 8 | 16° 1 | 20°38 | 12°56 | T 19 |
| F 20 | 13 55 27 | 0♉43'51 | 16° 8 | 19° 9 | 8°32 | 29°15 | 14° 1 | 28°36 | 5°14 | 2°45 | 26°51 | 15° 8 | 15°57 | 20°45 | 12°56 | F 20 |
| S 21 | 13 59 23 | 1°42'58 | 29°30 | 21° 1 | 8°19 | 29°49 | 14° 8 | 28°32 | 5°12 | 2°46 | 26°49 | 15° 7 | 15°54 | 20°52 | 12°57 | S 21 |
| S 22 | 14 3 20 | 2°42'04 | 13♓19 | 22°55 | 8° 8 | 0♒23 | 14°15 | 28°29 | 5° 9 | 2°46 | 26°48 | 15° 5 | 15°51 | 20°58 | 12°58 | S 22 |
| M23 | 14 7 16 | 3°41'08 | 27°34 | 24°50 | 8° 0 | 0°57 | 14°23 | 28°25 | 5° 7 | 2°46 | 26°46 | 15° 4 | 15°48 | 21° 5 | 12°58 | M23 |
| T 24 | 14 11 13 | 4°40'10 | 12♈14 | 26°47 | 7°54 | 1°30 | 14°30 | 28°22 | 5° 4 | 2°47 | 26°45 | 15° 2 | 15°45 | 21°12 | 12°59 | T 24 |
| W25 | 14 15 9 | 5°39'10 | 27°12 | 28°45 | 7°51 | 2° 4 | 14°37 | 28°18 | 5° 1 | 2°47 | 26°43 | 15° 2 | 15°41 | 21°18 | 13° 1 | W25 |
| T 26 | 14 19 6 | 6°38'08 | 12♉20 | 0♉44 | 7°D50 | 2°38 | 14°44 | 28°15 | 4°59 | 2°47 | 26°42 | 15°D 1 | 15°38 | 21°25 | 13° 2 | T 26 |
| F 27 | 14 23 3 | 7°37'05 | 27°29 | 2°45 | 7°52 | 3°11 | 14°50 | 28°12 | 4°56 | 2°48 | 26°40 | 15° 1 | 15°35 | 21°32 | 13° 3 | F 27 |
| S 28 | 14 26 59 | 8°35'59 | 12♊29 | 4°47 | 7°56 | 3°44 | 14°57 | 28° 9 | 4°54 | 2°48 | 26°39 | 15° 2 | 15°32 | 21°38 | 13° 4 | S 28 |
| S 29 | 14 30 56 | 9°34'52 | 27°14 | 6°51 | 8° 2 | 4°17 | 15° 3 | 28° 6 | 4°51 | 2°48 | 26°37 | 15° 2 | 15°29 | 21°45 | 13° 6 | S 29 |
| M30 | 14 34 52 | 10♉33'42 | 11♋38 | 8♉55 | 8♈10 | 4♒51 | 15♒ 9 | 28♍ 3 | 4♏48 | 2♒48 | 26♏35 | 15♏ 3 | 15♏26 | 21♏52 | 13♌ 7 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n41 | 19n58 | 2s48 | 6s40 | 2s 6 | 14n58 | 8n29 | 22s31 | 0s26 | 17s32 | 0s13 | 2n11 | 2n21 | 12s54 | 0n35 | 18s53 | 0n37 | 3s35 | 16n16 | 16s23 | 16s49 | 17s 8 | 9n45 | 7s21 |
| M 2 | 5 4 | 19 30 | 3 48 | 6 10 | 2 9 | 14 42 | 8 27 | 22 27 | 0 27 | 17 29 | 0 13 | 2 13 | 2 21 | 12 54 | 0 35 | 18 53 | 0 37 | 3 34 | 16 16 | 16 23 | 16 48 | 17 9 | 9 46 | 7 20 |
| T 3 | 5 27 | 17 52 | 4 32 | 5 39 | 2 13 | 14 25 | 8 24 | 22 24 | 0 29 | 17 27 | 0 14 | 2 14 | 2 21 | 12 53 | 0 35 | 18 53 | 0 37 | 3 33 | 16 16 | 16 23 | 16 47 | 17 10 | 9 47 | 7 19 |
| W 4 | 5 50 | 15 17 | 5 1 | 5 7 | 2 16 | 14 7 | 8 20 | 22 20 | 0 30 | 17 24 | 0 14 | 2 16 | 2 21 | 12 52 | 0 35 | 18 53 | 0 37 | 3 33 | 16 17 | 16 23 | 16 46 | 17 11 | 9 48 | 7 19 |
| T 5 | 6 13 | 11 57 | 5 13 | 4 33 | 2 18 | 13 48 | 8 15 | 22 16 | 0 31 | 17 22 | 0 14 | 2 18 | 2 21 | 12 51 | 0 35 | 18 53 | 0 37 | 3 32 | 16 17 | 16 22 | 16 45 | 17 12 | 9 49 | 7 18 |
| F 6 | 6 36 | 8 7 | 5 9 | 3 59 | 2 20 | 13 28 | 8 9 | 22 12 | 0 33 | 17 19 | 0 14 | 2 20 | 2 21 | 12 51 | 0 35 | 18 52 | 0 37 | 3 32 | 16 17 | 16 21 | 16 44 | 17 13 | 9 50 | 7 17 |
| S 7 | 6 59 | 3 59 | 4 49 | 3 23 | 2 22 | 13 7 | 8 3 | 22 8 | 0 34 | 17 17 | 0 14 | 2 21 | 2 21 | 12 50 | 0 35 | 18 52 | 0 37 | 3 31 | 16 18 | 16 20 | 16 43 | 17 14 | 9 51 | 7 16 |
| S 8 | 7 21 | 0s15 | 4 16 | 2 47 | 2 23 | 12 46 | 7 55 | 22 4 | 0 36 | 17 14 | 0 14 | 2 23 | 2 21 | 12 49 | 0 35 | 18 52 | 0 37 | 3 31 | 16 18 | 16 19 | 16 42 | 17 15 | 9 52 | 7 16 |
| M 9 | 7 44 | 4 24 | 3 31 | 2 10 | 2 23 | 12 24 | 7 47 | 21 59 | 0 37 | 17 12 | 0 14 | 2 25 | 2 20 | 12 48 | 0 35 | 18 52 | 0 37 | 3 30 | 16 18 | 16 18 | 16 42 | 17 16 | 9 53 | 7 15 |
| T 10 | 8 6 | 8 21 | 2 37 | 1 31 | 2 24 | 12 2 | 7 38 | 21 55 | 0 38 | 17 9 | 0 14 | 2 26 | 2 20 | 12 47 | 0 35 | 18 51 | 0 37 | 3 29 | 16 19 | 16 17 | 16 41 | 17 17 | 9 54 | 7 14 |
| W11 | 8 28 | 11 54 | 1 37 | 0 52 | 2 23 | 11 40 | 7 28 | 21 50 | 0 40 | 17 7 | 0 15 | 2 28 | 2 20 | 12 47 | 0 35 | 18 51 | 0 37 | 3 29 | 16 19 | 16 16 | 16 40 | 17 18 | 9 55 | 7 13 |
| T 12 | 8 50 | 14 57 | 0 33 | 0 12 | 2 23 | 11 17 | 7 17 | 21 46 | 0 41 | 17 5 | 0 15 | 2 30 | 2 20 | 12 46 | 0 35 | 18 51 | 0 37 | 3 28 | 16 19 | 16 16 | 16 39 | 17 18 | 9 55 | 7 12 |
| F 13 | 9 12 | 17 21 | 0n32 | 0n29 | 2 21 | 10 55 | 7 6 | 21 41 | 0 43 | 17 3 | 0 15 | 2 31 | 2 20 | 12 45 | 0 35 | 18 51 | 0 37 | 3 28 | 16 19 | 16 16 | 16 38 | 17 19 | 9 56 | 7 12 |
| S 14 | 9 33 | 19 0 | 1 36 | 1 10 | 2 20 | 10 33 | 6 55 | 21 36 | 0 44 | 17 0 | 0 15 | 2 33 | 2 20 | 12 44 | 0 35 | 18 51 | 0 37 | 3 27 | 16 20 | 16 16 | 16 37 | 17 20 | 9 57 | 7 11 |
| S 15 | 9 55 | 19 50 | 2 36 | 1 53 | 2 17 | 10 11 | 6 42 | 21 31 | 0 46 | 16 58 | 0 15 | 2 34 | 2 20 | 12 43 | 0 35 | 18 51 | 0 37 | 3 27 | 16 20 | 16 16 | 16 36 | 17 21 | 9 58 | 7 10 |
| M16 | 10 16 | 19 46 | 3 29 | 2 36 | 2 15 | 9 50 | 6 30 | 21 26 | 0 48 | 16 56 | 0 15 | 2 36 | 2 20 | 12 42 | 0 35 | 18 50 | 0 37 | 3 26 | 16 20 | 16 17 | 16 35 | 17 22 | 9 58 | 7 9 |
| T 17 | 10 38 | 18 49 | 4 14 | 3 21 | 2 12 | 9 29 | 6 17 | 21 21 | 0 49 | 16 54 | 0 15 | 2 37 | 2 20 | 12 42 | 0 35 | 18 50 | 0 37 | 3 26 | 16 20 | 16 17 | 16 34 | 17 23 | 9 59 | 7 9 |
| W18 | 10 59 | 16 59 | 4 49 | 4 5 | 2 8 | 9 9 | 6 4 | 21 16 | 0 51 | 16 52 | 0 16 | 2 39 | 2 20 | 12 41 | 0 35 | 18 50 | 0 37 | 3 25 | 16 21 | 16 17 | 16 33 | 17 24 | 10 0 | 7 8 |
| T 19 | 11 19 | 14 18 | 5 10 | 4 51 | 2 4 | 8 50 | 5 50 | 21 10 | 0 52 | 16 49 | 0 16 | 2 40 | 2 20 | 12 40 | 0 35 | 18 50 | 0 37 | 3 25 | 16 21 | 16 17 | 16 32 | 17 25 | 10 0 | 7 7 |
| F 20 | 11 40 | 10 52 | 5 17 | 5 37 | 1 59 | 8 31 | 5 37 | 21 5 | 0 54 | 16 47 | 0 16 | 2 42 | 2 20 | 12 39 | 0 35 | 18 50 | 0 37 | 3 24 | 16 21 | 16 17 | 16 32 | 17 26 | 10 1 | 7 6 |
| S 21 | 12 0 | 6 47 | 5 7 | 6 24 | 1 54 | 8 14 | 5 23 | 20 59 | 0 56 | 16 45 | 0 16 | 2 43 | 2 20 | 12 38 | 0 35 | 18 50 | 0 37 | 3 24 | 16 21 | 16 17 | 16 31 | 17 27 | 10 1 | 7 5 |
| S 22 | 12 21 | 2 13 | 4 40 | 7 11 | 1 48 | 7 57 | 5 9 | 20 54 | 0 57 | 16 43 | 0 16 | 2 44 | 2 20 | 12 37 | 0 35 | 18 50 | 0 37 | 3 23 | 16 22 | 16 16 | 16 30 | 17 28 | 10 2 | 7 5 |
| M23 | 12 41 | 2n37 | 3 54 | 7 59 | 1 42 | 7 41 | 4 55 | 20 48 | 0 59 | 16 41 | 0 16 | 2 46 | 2 19 | 12 36 | 0 35 | 18 50 | 0 37 | 3 23 | 16 22 | 16 16 | 16 29 | 17 28 | 10 3 | 7 4 |
| T 24 | 13 1 | 7 27 | 2 52 | 8 47 | 1 36 | 7 26 | 4 41 | 20 42 | 1 1 | 16 40 | 0 17 | 2 47 | 2 19 | 12 36 | 0 35 | 18 50 | 0 37 | 3 22 | 16 22 | 16 16 | 16 28 | 17 29 | 10 3 | 7 3 |
| W25 | 13 20 | 11 56 | 1 37 | 9 35 | 1 29 | 7 12 | 4 27 | 20 37 | 1 3 | 16 38 | 0 17 | 2 48 | 2 19 | 12 35 | 0 35 | 18 49 | 0 37 | 3 22 | 16 22 | 16 15 | 16 27 | 17 30 | 10 3 | 7 2 |
| T 26 | 13 39 | 15 42 | 0 15 | 10 24 | 1 21 | 6 59 | 4 14 | 20 31 | 1 4 | 16 36 | 0 17 | 2 49 | 2 19 | 12 34 | 0 35 | 18 49 | 0 37 | 3 21 | 16 22 | 16 15 | 16 26 | 17 31 | 10 4 | 7 2 |
| F 27 | 13 59 | 18 22 | 1s 9 | 11 13 | 1 13 | 6 47 | 4 0 | 20 25 | 1 6 | 16 34 | 0 17 | 2 50 | 2 19 | 12 33 | 0 35 | 18 49 | 0 37 | 3 21 | 16 22 | 16 15 | 16 25 | 17 32 | 10 4 | 7 1 |
| S 28 | 14 18 | 19 45 | 2 27 | 12 2 | 1 5 | 6 36 | 3 46 | 20 19 | 1 8 | 16 32 | 0 17 | 2 51 | 2 19 | 12 32 | 0 35 | 18 49 | 0 37 | 3 20 | 16 23 | 16 15 | 16 24 | 17 33 | 10 5 | 7 0 |
| S 29 | 14 36 | 19 43 | 3 34 | 12 51 | 0 56 | 6 26 | 3 33 | 20 13 | 1 10 | 16 31 | 0 17 | 2 53 | 2 19 | 12 31 | 0 35 | 18 49 | 0 37 | 3 20 | 16 23 | 16 16 | 16 23 | 17 34 | 10 5 | 6 59 |
| M30 | 14n55 | 18n24 | 4s26 | 13n39 | 0s47 | 6n17 | 3n20 | 20s 7 | 1s12 | 16s29 | 0s17 | 2n54 | 2n19 | 12s31 | 0n35 | 18s49 | 0n37 | 3s19 | 16n23 | 16s16 | 16s22 | 17s34 | 10n 5 | 6s58 |

Julian Day Number = 2809938.5, Delta T = 52m51s
Ecliptic obliquity = 23°18'38, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°28'34, Lahiri = 37°35'35


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# ASTRODIENST EPHEMERIS for the year 2981
# geocentric

## MAY 2981 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 38 49 | 11♉32'30 | 25♋37 | 11♉ 0 | 8♈21 | 5♒23 | 15♒15 | 28°R 0 | 4°R46 | 2♒48 | 26°R34 | 15♏ 3 | 15♏22 | 21♏58 | 13♌ 9 | T 1 |
| W 2 | 14 42 45 | 12°31'15 | 9♌11 | 13° 6 | 8°33 | 5°56 | 15°21 | 27♍57 | 4♏43 | 2°48 | 26♏32 | 15°R 3 | 15°19 | 22° 5 | 13°11 | W 2 |
| T 3 | 14 46 42 | 13°29'59 | 22°22 | 15°13 | 8°48 | 6°29 | 15°27 | 27°55 | 4°41 | 2°48 | 26°31 | 15° 3 | 15°16 | 22°11 | 13°13 | T 3 |
| F 4 | 14 50 38 | 14°28'40 | 5♍12 | 17°21 | 9° 5 | 7° 1 | 15°32 | 27°52 | 4°38 | 2°R48 | 26°29 | 15° 3 | 15°13 | 22°18 | 13°15 | F 4 |
| S 5 | 14 54 35 | 15°27'19 | 17°44 | 19°28 | 9°23 | 7°34 | 15°38 | 27°50 | 4°36 | 2°48 | 26°27 | 15°D 3 | 15°10 | 22°25 | 13°17 | S 5 |
| S 6 | 14 58 32 | 16°25'55 | 0♎ 1 | 21°36 | 9°44 | 8° 6 | 15°43 | 27°47 | 4°33 | 2°48 | 26°26 | 15° 3 | 15° 6 | 22°31 | 13°19 | S 6 |
| M 7 | 15 2 28 | 17°24'30 | 12° 7 | 23°43 | 10° 6 | 8°38 | 15°48 | 27°45 | 4°31 | 2°48 | 26°24 | 15° 3 | 15° 3 | 22°38 | 13°21 | M 7 |
| T 8 | 15 6 25 | 18°23'03 | 24° 5 | 25°50 | 10°30 | 9°10 | 15°53 | 27°43 | 4°28 | 2°48 | 26°22 | 15° 4 | 15° 0 | 22°45 | 13°23 | T 8 |
| W 9 | 15 10 21 | 19°21'34 | 5♏57 | 27°56 | 10°55 | 9°42 | 15°58 | 27°41 | 4°26 | 2°48 | 26°21 | 15° 4 | 14°57 | 22°51 | 13°26 | W 9 |
| T 10 | 15 14 18 | 20°20'02 | 17°46 | 0♊ 1 | 11°23 | 10°14 | 16° 2 | 27°39 | 4°23 | 2°48 | 26°19 | 15°R 4 | 14°54 | 22°58 | 13°28 | T 10 |
| F 11 | 15 18 14 | 21°18'30 | 29°33 | 2° 4 | 11°51 | 10°45 | 16° 7 | 27°37 | 4°21 | 2°48 | 26°17 | 15° 4 | 14°51 | 23° 5 | 13°31 | F 11 |
| S 12 | 15 22 11 | 22°16'55 | 11♐23 | 4° 6 | 12°22 | 11°17 | 16°11 | 27°35 | 4°18 | 2°47 | 26°16 | 15° 3 | 14°47 | 23°11 | 13°34 | S 12 |
| S 13 | 15 26 7 | 23°15'19 | 23°15 | 6° 5 | 12°54 | 11°48 | 16°15 | 27°34 | 4°16 | 2°47 | 26°14 | 15° 2 | 14°44 | 23°18 | 13°37 | S 13 |
| M14 | 15 30 4 | 24°13'41 | 5♑14 | 8° 2 | 13°27 | 12°19 | 16°19 | 27°32 | 4°14 | 2°47 | 26°12 | 15° 1 | 14°41 | 23°25 | 13°39 | M14 |
| T 15 | 15 34 1 | 25°12'01 | 17°22 | 9°56 | 14° 1 | 12°50 | 16°22 | 27°30 | 4°11 | 2°46 | 26°11 | 15° 0 | 14°38 | 23°31 | 13°42 | T 15 |
| W16 | 15 37 57 | 26°10'20 | 29°41 | 11°48 | 14°37 | 13°20 | 16°26 | 27°29 | 4° 9 | 2°46 | 26° 9 | 14°58 | 14°35 | 23°38 | 13°45 | W16 |
| T 17 | 15 41 54 | 27° 8'37 | 12♒16 | 13°36 | 15°14 | 13°51 | 16°29 | 27°28 | 4° 7 | 2°46 | 26° 7 | 14°58 | 14°32 | 23°45 | 13°49 | T 17 |
| F 18 | 15 45 50 | 28° 6'53 | 25°10 | 15°21 | 15°52 | 14°21 | 16°32 | 27°27 | 4° 4 | 2°45 | 26° 5 | 14°D57 | 14°28 | 23°51 | 13°52 | F 18 |
| S 19 | 15 49 47 | 29° 5'07 | 8♓25 | 17° 3 | 16°32 | 14°51 | 16°35 | 27°26 | 4° 2 | 2°45 | 26° 4 | 14°57 | 14°25 | 23°58 | 13°55 | S 19 |
| S 20 | 15 53 43 | 0♊ 3'20 | 22° 4 | 18°41 | 17°12 | 15°21 | 16°38 | 27°25 | 4° 0 | 2°44 | 26° 2 | 14°58 | 14°22 | 24° 4 | 13°59 | S 20 |
| M21 | 15 57 40 | 1° 1'32 | 6♈ 8 | 20°15 | 17°54 | 15°51 | 16°41 | 27°24 | 3°58 | 2°44 | 26° 0 | 14°59 | 14°19 | 24°11 | 14° 2 | M21 |
| T 22 | 16 1 36 | 1°59'42 | 20°37 | 21°46 | 18°36 | 16°21 | 16°43 | 27°23 | 3°55 | 2°43 | 25°59 | 15° 0 | 14°16 | 24°18 | 14° 6 | T 22 |
| W23 | 16 5 33 | 2°57'51 | 5♉26 | 23°13 | 19°20 | 16°50 | 16°46 | 27°22 | 3°53 | 2°43 | 25°57 | 15° 1 | 14°12 | 24°24 | 14° 9 | W23 |
| T 24 | 16 9 30 | 3°55'58 | 20°31 | 24°36 | 20° 4 | 17°19 | 16°48 | 27°22 | 3°51 | 2°42 | 25°55 | 15°R 1 | 14° 9 | 24°31 | 14°13 | T 24 |
| F 25 | 16 13 26 | 4°54'04 | 5♊42 | 25°55 | 20°50 | 17°48 | 16°49 | 27°21 | 3°49 | 2°41 | 25°54 | 15° 0 | 14° 6 | 24°38 | 14°17 | F 25 |
| S 26 | 16 17 23 | 5°52'08 | 20°51 | 27° 9 | 21°36 | 18°16 | 16°51 | 27°21 | 3°47 | 2°41 | 25°52 | 14°58 | 14° 3 | 24°44 | 14°21 | S 26 |
| S 27 | 16 21 19 | 6°50'11 | 5♋47 | 28°20 | 22°23 | 18°45 | 16°53 | 27°21 | 3°45 | 2°40 | 25°50 | 14°56 | 14° 0 | 24°51 | 14°25 | S 27 |
| M28 | 16 25 16 | 7°48'12 | 20°24 | 29°26 | 23°11 | 19°13 | 16°54 | 27°20 | 3°43 | 2°39 | 25°49 | 14°53 | 13°57 | 24°58 | 14°29 | M28 |
| T 29 | 16 29 12 | 8°46'11 | 4♌35 | 0♋28 | 23°59 | 19°41 | 16°55 | 27°D20 | 3°41 | 2°38 | 25°47 | 14°50 | 13°53 | 25° 4 | 14°33 | T 29 |
| W30 | 16 33 9 | 9°44'09 | 18°18 | 1°26 | 24°48 | 20° 8 | 16°56 | 27°20 | 3°39 | 2°38 | 25°45 | 14°48 | 13°50 | 25°11 | 14°37 | W30 |
| T 31 | 16 37 5 | 10♊42'04 | 1♍34 | 2♋19 | 25♈38 | 20♒36 | 16♒57 | 27♍21 | 3♏37 | 2♒37 | 25♏44 | 14♏46 | 13♏47 | 25♏18 | 14♌42 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 15n13 | 15n59 | 5s 0 | 14n28 | 0s37 | 6n 9 | 3n 7 | 20s 1 | 1s14 | 16s27 | 0s18 | 2n55 | 2n18 | 12s30 | 0n35 | 18s49 | 0n37 | 3s19 | 16n23 | 16s16 | 16s21 | 17s35 | 10n 6 | 6s58 | T 1 |
| W 2 | 15 31 | 12 46 | 5 16 | 15 16 | 0 27 | 6 3 | 2 54 | 19 55 | 1 16 | 16 26 | 0 18 | 2 56 | 2 18 | 12 29 | 0 35 | 18 49 | 0 37 | 3 18 | 16 23 | 16 16 | 16 21 | 17 36 | 10 6 | 6 57 | W 2 |
| T 3 | 15 48 | 9 0 | 5 15 | 16 3 | 0 17 | 5 57 | 2 41 | 19 48 | 1 18 | 16 24 | 0 18 | 2 56 | 2 18 | 12 28 | 0 35 | 18 49 | 0 37 | 3 18 | 16 23 | 16 16 | 16 20 | 17 37 | 10 6 | 6 56 | T 3 |
| F 4 | 16 6 | 4 55 | 4 59 | 16 49 | 0 6 | 5 52 | 2 29 | 19 42 | 1 20 | 16 23 | 0 18 | 2 57 | 2 18 | 12 27 | 0 35 | 18 49 | 0 37 | 3 17 | 16 23 | 16 16 | 16 19 | 17 38 | 10 6 | 6 55 | F 4 |
| S 5 | 16 23 | 0 42 | 4 28 | 17 34 | 0n 4 | 5 48 | 2 17 | 19 36 | 1 22 | 16 21 | 0 18 | 2 58 | 2 18 | 12 26 | 0 35 | 18 49 | 0 38 | 3 17 | 16 23 | 16 16 | 16 18 | 17 39 | 10 7 | 6 55 | S 5 |
| S 6 | 16 40 | 3s27 | 3 45 | 18 18 | 0 15 | 5 45 | 2 5 | 19 29 | 1 24 | 16 20 | 0 18 | 2 59 | 2 18 | 12 26 | 0 35 | 18 49 | 0 38 | 3 17 | 16 23 | 16 16 | 16 17 | 17 40 | 10 7 | 6 54 | S 6 |
| M 7 | 16 56 | 7 26 | 2 53 | 19 1 | 0 26 | 5 43 | 1 54 | 19 23 | 1 26 | 16 19 | 0 19 | 3 0 | 2 18 | 12 25 | 0 35 | 18 49 | 0 38 | 3 16 | 16 23 | 16 16 | 16 16 | 17 40 | 10 7 | 6 53 | M 7 |
| T 8 | 17 12 | 11 4 | 1 54 | 19 42 | 0 36 | 5 42 | 1 42 | 19 17 | 1 28 | 16 17 | 0 19 | 3 0 | 2 17 | 12 24 | 0 35 | 18 49 | 0 38 | 3 16 | 16 23 | 16 16 | 16 15 | 17 41 | 10 7 | 6 52 | T 8 |
| W 9 | 17 28 | 14 14 | 0 51 | 20 21 | 0 47 | 5 42 | 1 31 | 19 10 | 1 30 | 16 16 | 0 19 | 3 1 | 2 17 | 12 23 | 0 35 | 18 49 | 0 38 | 3 15 | 16 24 | 16 16 | 16 14 | 17 42 | 10 7 | 6 52 | W 9 |
| T 10 | 17 44 | 16 48 | 0n15 | 20 59 | 0 57 | 5 43 | 1 20 | 19 4 | 1 32 | 16 15 | 0 19 | 3 2 | 2 17 | 12 22 | 0 35 | 18 49 | 0 38 | 3 15 | 16 24 | 16 16 | 16 13 | 17 43 | 10 7 | 6 51 | T 10 |
| F 11 | 17 59 | 18 39 | 1 20 | 21 34 | 1 8 | 5 44 | 1 10 | 18 57 | 1 34 | 16 14 | 0 19 | 3 2 | 2 17 | 12 21 | 0 35 | 18 49 | 0 38 | 3 15 | 16 24 | 16 16 | 16 12 | 17 44 | 10 7 | 6 50 | F 11 |
| S 12 | 18 14 | 19 42 | 2 21 | 22 7 | 1 17 | 5 47 | 1 0 | 18 51 | 1 36 | 16 13 | 0 19 | 3 3 | 2 17 | 12 21 | 0 35 | 18 49 | 0 38 | 3 14 | 16 24 | 16 16 | 16 11 | 17 44 | 10 7 | 6 49 | S 12 |
| S 13 | 18 29 | 19 52 | 3 17 | 22 38 | 1 27 | 5 50 | 0 50 | 18 44 | 1 39 | 16 12 | 0 20 | 3 3 | 2 17 | 12 20 | 0 35 | 18 49 | 0 38 | 3 14 | 16 24 | 16 16 | 16 10 | 17 45 | 10 7 | 6 49 | S 13 |
| M14 | 18 44 | 19 9 | 4 4 | 23 6 | 1 36 | 5 54 | 0 40 | 18 38 | 1 41 | 16 11 | 0 20 | 3 4 | 2 17 | 12 19 | 0 35 | 18 49 | 0 38 | 3 14 | 16 24 | 16 15 | 16 9 | 17 46 | 10 7 | 6 48 | M14 |
| T 15 | 18 58 | 17 32 | 4 41 | 23 32 | 1 44 | 5 58 | 0 31 | 18 31 | 1 43 | 16 10 | 0 20 | 3 4 | 2 16 | 12 18 | 0 35 | 18 49 | 0 38 | 3 13 | 16 24 | 16 15 | 16 8 | 17 47 | 10 7 | 6 47 | T 15 |
| W16 | 19 11 | 15 7 | 5 6 | 23 55 | 1 52 | 6 4 | 0 21 | 18 25 | 1 45 | 16 9 | 0 20 | 3 5 | 2 16 | 12 18 | 0 35 | 18 49 | 0 38 | 3 13 | 16 24 | 16 14 | 16 8 | 17 48 | 10 7 | 6 46 | W16 |
| T 17 | 19 25 | 11 57 | 5 17 | 24 16 | 1 59 | 6 10 | 0 12 | 18 18 | 1 48 | 16 8 | 0 20 | 3 5 | 2 16 | 12 17 | 0 34 | 18 50 | 0 38 | 3 13 | 16 23 | 16 14 | 16 7 | 17 48 | 10 6 | 6 46 | T 17 |
| F 18 | 19 38 | 8 9 | 5 12 | 24 35 | 2 5 | 6 16 | 0 4 | 18 12 | 1 50 | 16 7 | 0 21 | 3 5 | 2 16 | 12 16 | 0 34 | 18 50 | 0 38 | 3 12 | 16 23 | 16 14 | 16 6 | 17 49 | 10 6 | 6 45 | F 18 |
| S 19 | 19 51 | 3 52 | 4 51 | 24 51 | 2 10 | 6 24 | 0s 5 | 18 5 | 1 52 | 16 7 | 0 21 | 3 6 | 2 16 | 12 15 | 0 34 | 18 50 | 0 38 | 3 12 | 16 23 | 16 14 | 16 5 | 17 50 | 10 6 | 6 44 | S 19 |
| S 20 | 20 3 | 0n45 | 4 13 | 25 5 | 2 15 | 6 31 | 0 13 | 17 58 | 1 55 | 16 6 | 0 21 | 3 6 | 2 16 | 12 15 | 0 34 | 18 50 | 0 38 | 3 12 | 16 23 | 16 14 | 16 4 | 17 51 | 10 6 | 6 43 | S 20 |
| M21 | 20 15 | 5 29 | 3 19 | 25 16 | 2 19 | 6 40 | 0 21 | 17 52 | 1 57 | 16 5 | 0 21 | 3 6 | 2 15 | 12 14 | 0 34 | 18 50 | 0 38 | 3 11 | 16 23 | 16 15 | 16 3 | 17 52 | 10 5 | 6 43 | M21 |
| T 22 | 20 27 | 10 2 | 2 11 | 25 25 | 2 22 | 6 49 | 0 28 | 17 46 | 2 0 | 16 5 | 0 21 | 3 6 | 2 15 | 12 13 | 0 34 | 18 50 | 0 38 | 3 11 | 16 23 | 16 15 | 16 2 | 17 52 | 10 5 | 6 42 | T 22 |
| W23 | 20 38 | 14 6 | 0 53 | 25 32 | 2 24 | 6 59 | 0 36 | 17 39 | 2 2 | 16 4 | 0 21 | 3 6 | 2 15 | 12 12 | 0 34 | 18 50 | 0 38 | 3 11 | 16 23 | 16 15 | 16 1 | 17 53 | 10 5 | 6 41 | W23 |
| T 24 | 20 49 | 17 18 | 0s30 | 25 37 | 2 25 | 7 9 | 0 43 | 17 33 | 2 5 | 16 4 | 0 22 | 3 6 | 2 15 | 12 12 | 0 34 | 18 50 | 0 38 | 3 11 | 16 23 | 16 15 | 16 0 | 17 54 | 10 4 | 6 41 | T 24 |
| F 25 | 21 0 | 19 18 | 1 52 | 25 40 | 2 26 | 7 19 | 0 50 | 17 26 | 2 8 | 16 3 | 0 22 | 3 6 | 2 15 | 12 11 | 0 34 | 18 50 | 0 38 | 3 10 | 16 23 | 16 15 | 15 59 | 17 55 | 10 4 | 6 40 | F 25 |
| S 26 | 21 10 | 19 55 | 3 5 | 25 42 | 2 25 | 7 30 | 0 57 | 17 20 | 2 10 | 16 3 | 0 22 | 3 6 | 2 14 | 12 10 | 0 34 | 18 51 | 0 38 | 3 10 | 16 23 | 16 14 | 15 58 | 17 55 | 10 3 | 6 39 | S 26 |
| S 27 | 21 20 | 19 6 | 4 5 | 25 41 | 2 23 | 7 41 | 1 3 | 17 14 | 2 13 | 16 3 | 0 22 | 3 6 | 2 14 | 12 10 | 0 34 | 18 51 | 0 38 | 3 10 | 16 22 | 16 14 | 15 57 | 17 56 | 10 3 | 6 39 | S 27 |
| M28 | 21 30 | 17 2 | 4 47 | 25 39 | 2 21 | 7 53 | 1 9 | 17 8 | 2 15 | 16 3 | 0 22 | 3 6 | 2 14 | 12 9 | 0 34 | 18 51 | 0 38 | 3 10 | 16 22 | 16 13 | 15 56 | 17 57 | 10 3 | 6 38 | M28 |
| T 29 | 21 39 | 13 59 | 5 10 | 25 36 | 2 17 | 8 5 | 1 15 | 17 1 | 2 18 | 16 2 | 0 23 | 3 6 | 2 14 | 12 8 | 0 34 | 18 51 | 0 38 | 3 10 | 16 22 | 16 12 | 15 55 | 17 58 | 10 2 | 6 37 | T 29 |
| W30 | 21 47 | 10 16 | 5 14 | 25 31 | 2 13 | 8 18 | 1 21 | 16 55 | 2 21 | 16 2 | 0 23 | 3 6 | 2 14 | 12 8 | 0 34 | 18 51 | 0 38 | 3 9 | 16 22 | 16 11 | 15 54 | 17 58 | 10 1 | 6 37 | W30 |
| T 31 | 21n56 | 6n 9 | 5s 2 | 25n24 | 2n 7 | 8n31 | 1s26 | 16s49 | 2s24 | 16s 2 | 0s23 | 3n 6 | 2n14 | 12s 7 | 0n34 | 18s51 | 0n38 | 3s 9 | 16n22 | 16s11 | 15s53 | 17s59 | 10n 1 | 6s36 | T 31 |

Julian Day Number = 2809968.5, Delta T = 52m52s
Ecliptic obliquity = 23°18'37, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°28'38, Lahiri = 37°35'39


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# ASTRODIENST EPHEMERIS for the year 2981
# geocentric

## JUNE 2981 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 41 2 | 11♊39'58 | 14♍25 | 3♋ 8 | 26♈29 | 21♒ 3 | 16♒57 | 27♍21 | 3°R35 | 2°R36 | 25°R42 | 14°D46 | 13♏44 | 25♏24 | 14♌46 | F 1 |
| S 2 | 16 44 59 | 12°37'50 | 26°54 | 3°53 | 27°20 | 21°29 | 16°58 | 27°21 | 3♏33 | 2♒35 | 25♏41 | 14♏47 | 13°41 | 25°31 | 14°51 | S 2 |
| S 3 | 16 48 55 | 13°35'41 | 9♎ 6 | 4°32 | 28°12 | 21°56 | 16°R58 | 27°22 | 3°32 | 2°34 | 25°39 | 14°48 | 13°38 | 25°38 | 14°55 | S 3 |
| M 4 | 16 52 52 | 14°33'30 | 21° 6 | 5° 8 | 29° 5 | 22°22 | 16°58 | 27°22 | 3°30 | 2°33 | 25°37 | 14°50 | 13°34 | 25°44 | 15° 0 | M 4 |
| T 5 | 16 56 48 | 15°31'17 | 2♏58 | 5°38 | 29°58 | 22°48 | 16°58 | 27°23 | 3°28 | 2°32 | 25°36 | 14°51 | 13°31 | 25°51 | 15° 4 | T 5 |
| W 6 | 17 0 45 | 16°29'03 | 14°46 | 6° 4 | 0♉51 | 23°14 | 16°57 | 27°24 | 3°26 | 2°31 | 25°34 | 14°R52 | 13°28 | 25°57 | 15° 9 | W 6 |
| T 7 | 17 4 41 | 17°26'47 | 26°33 | 6°24 | 1°46 | 23°39 | 16°57 | 27°25 | 3°25 | 2°30 | 25°33 | 14°51 | 13°25 | 26° 4 | 15°14 | T 7 |
| F 8 | 17 8 38 | 18°24'30 | 8♐22 | 6°40 | 2°40 | 24° 4 | 16°56 | 27°26 | 3°23 | 2°29 | 25°31 | 14°49 | 13°22 | 26°11 | 15°19 | F 8 |
| S 9 | 17 12 34 | 19°22'12 | 20°16 | 6°52 | 3°36 | 24°29 | 16°55 | 27°27 | 3°22 | 2°28 | 25°30 | 14°45 | 13°18 | 26°17 | 15°24 | S 9 |
| S 10 | 17 16 31 | 20°19'52 | 2♑17 | 6°58 | 4°31 | 24°53 | 16°54 | 27°28 | 3°20 | 2°27 | 25°28 | 14°40 | 13°15 | 26°24 | 15°29 | S 10 |
| M11 | 17 20 28 | 21°17'32 | 14°26 | 7°R 0 | 5°28 | 25°17 | 16°52 | 27°29 | 3°19 | 2°26 | 25°27 | 14°33 | 13°12 | 26°31 | 15°34 | M11 |
| T 12 | 17 24 24 | 22°15'10 | 26°45 | 6°57 | 6°24 | 25°40 | 16°51 | 27°31 | 3°17 | 2°25 | 25°25 | 14°27 | 13° 9 | 26°37 | 15°39 | T 12 |
| W13 | 17 28 21 | 23°12'47 | 9♒15 | 6°50 | 7°21 | 26° 4 | 16°49 | 27°32 | 3°16 | 2°24 | 25°24 | 14°21 | 13° 6 | 26°44 | 15°44 | W13 |
| T 14 | 17 32 17 | 24°10'23 | 21°58 | 6°38 | 8°19 | 26°27 | 16°47 | 27°34 | 3°15 | 2°23 | 25°22 | 14°16 | 13° 3 | 26°51 | 15°50 | T 14 |
| F 15 | 17 36 14 | 25° 7'59 | 4♓56 | 6°23 | 9°17 | 26°49 | 16°45 | 27°36 | 3°13 | 2°22 | 25°21 | 14°12 | 12°59 | 26°57 | 15°55 | F 15 |
| S 16 | 17 40 10 | 26° 5'33 | 18°11 | 6° 4 | 10°15 | 27°11 | 16°43 | 27°37 | 3°12 | 2°20 | 25°20 | 14°10 | 12°56 | 27° 4 | 16° 0 | S 16 |
| S 17 | 17 44 7 | 27° 3'07 | 1♈44 | 5°41 | 11°14 | 27°33 | 16°40 | 27°39 | 3°11 | 2°19 | 25°18 | 14°D10 | 12°53 | 27°11 | 16° 6 | S 17 |
| M18 | 17 48 3 | 28° 0'40 | 15°37 | 5°15 | 12°13 | 27°54 | 16°38 | 27°41 | 3°10 | 2°18 | 25°17 | 14°11 | 12°50 | 27°17 | 16°11 | M18 |
| T 19 | 17 52 0 | 28°58'12 | 29°51 | 4°47 | 13°12 | 28°15 | 16°35 | 27°43 | 3° 9 | 2°17 | 25°16 | 14°12 | 12°47 | 27°24 | 16°17 | T 19 |
| W20 | 17 55 57 | 29°55'44 | 14♉24 | 4°16 | 14°12 | 28°35 | 16°32 | 27°46 | 3° 8 | 2°15 | 25°14 | 14°R13 | 12°44 | 27°31 | 16°23 | W20 |
| T 21 | 17 59 53 | 0♋53'15 | 29°12 | 3°44 | 15°12 | 28°55 | 16°29 | 27°48 | 3° 7 | 2°14 | 25°13 | 14°12 | 12°40 | 27°37 | 16°28 | T 21 |
| F 22 | 18 3 50 | 1°50'45 | 14♊10 | 3°11 | 16°13 | 29°15 | 16°25 | 27°50 | 3° 6 | 2°13 | 25°12 | 14° 9 | 12°37 | 27°44 | 16°34 | F 22 |
| S 23 | 18 7 46 | 2°48'15 | 29°10 | 2°38 | 17°13 | 29°34 | 16°22 | 27°53 | 3° 5 | 2°11 | 25°10 | 14° 4 | 12°34 | 27°50 | 16°40 | S 23 |
| S 24 | 18 11 43 | 3°45'43 | 14♋ 3 | 2° 5 | 18°14 | 29°52 | 16°18 | 27°55 | 3° 4 | 2°10 | 25° 9 | 13°57 | 12°31 | 27°57 | 16°46 | S 24 |
| M25 | 18 15 39 | 4°43'11 | 28°40 | 1°32 | 19°16 | 0♓10 | 16°14 | 27°58 | 3° 3 | 2° 9 | 25° 8 | 13°49 | 12°28 | 28° 4 | 16°52 | M25 |
| T 26 | 18 19 36 | 5°40'38 | 12♌55 | 1° 0 | 20°17 | 0°28 | 16°10 | 28° 1 | 3° 2 | 2° 7 | 25° 7 | 13°42 | 12°24 | 28°10 | 16°58 | T 26 |
| W27 | 18 23 33 | 6°38'04 | 26°44 | 0°31 | 21°19 | 0°45 | 16° 6 | 28° 4 | 3° 2 | 2° 6 | 25° 6 | 13°35 | 12°21 | 28°17 | 17° 4 | W27 |
| T 28 | 18 27 29 | 7°35'28 | 10♍ 4 | 0° 3 | 22°21 | 1° 1 | 16° 2 | 28° 7 | 3° 1 | 2° 4 | 25° 5 | 13°29 | 12°18 | 28°24 | 17°10 | T 28 |
| F 29 | 18 31 26 | 8°32'52 | 22°59 | 29♊38 | 23°24 | 1°17 | 15°57 | 28°10 | 3° 0 | 2° 3 | 25° 3 | 13°26 | 12°15 | 28°30 | 17°16 | F 29 |
| S 30 | 18 35 22 | 9♋30'15 | 5♎30 | 29♊17 | 24♉26 | 1♓33 | 15♒52 | 28♍13 | 3♏ 0 | 2♒ 1 | 25♏ 2 | 13°D25 | 12♏12 | 28♏37 | 17♌22 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n 4 | 1n53 | 4s34 | 25n17 | 2n 1 | 8n44 | 1s32 | 16s43 | 2s27 | 16s 2 | 0s23 | 3n 5 | 2n13 | 12s 7 | 0n34 | 18s52 | 0n38 | 3s 9 | 16n22 | 16s11 | 15s53 | 18s 0 | 10n 0 | 6s35 |
| S 2 | 22 11 | 2s21 | 3 54 | 25 8 | 1 53 | 8 58 | 1 37 | 16 37 | 2 29 | 16 2 | 0 23 | 3 5 | 2 13 | 12 6 | 0 34 | 18 52 | 0 38 | 3 9 | 16 21 | 16 11 | 15 52 | 18 1 | 10 0 | 6 35 |
| S 3 | 22 19 | 6 25 | 3 4 | 24 58 | 1 45 | 9 11 | 1 42 | 16 31 | 2 32 | 16 2 | 0 23 | 3 5 | 2 13 | 12 5 | 0 34 | 18 52 | 0 38 | 3 9 | 16 21 | 16 11 | 15 51 | 18 1 | 9 59 | 6 34 |
| M 4 | 22 25 | 10 9 | 2 7 | 24 48 | 1 35 | 9 26 | 1 47 | 16 26 | 2 35 | 16 3 | 0 24 | 3 4 | 2 13 | 12 5 | 0 34 | 18 52 | 0 38 | 3 9 | 16 21 | 16 12 | 15 50 | 18 2 | 9 58 | 6 33 |
| T 5 | 22 32 | 13 27 | 1 5 | 24 36 | 1 25 | 9 40 | 1 51 | 16 20 | 2 38 | 16 3 | 0 24 | 3 4 | 2 13 | 12 4 | 0 34 | 18 52 | 0 38 | 3 9 | 16 21 | 16 12 | 15 49 | 18 3 | 9 58 | 6 33 |
| W 6 | 22 38 | 16 11 | 0 1 | 24 24 | 1 13 | 9 54 | 1 55 | 16 14 | 2 41 | 16 3 | 0 24 | 3 3 | 2 12 | 12 4 | 0 34 | 18 53 | 0 38 | 3 8 | 16 21 | 16 13 | 15 48 | 18 3 | 9 57 | 6 32 |
| T 7 | 22 43 | 18 15 | 1n 4 | 24 11 | 1 1 | 10 9 | 1 59 | 16 9 | 2 44 | 16 4 | 0 24 | 3 3 | 2 12 | 12 3 | 0 34 | 18 53 | 0 38 | 3 8 | 16 20 | 16 12 | 15 47 | 18 4 | 9 56 | 6 32 |
| F 8 | 22 48 | 19 31 | 2 5 | 23 57 | 0 48 | 10 24 | 2 3 | 16 3 | 2 47 | 16 4 | 0 24 | 3 2 | 2 12 | 12 3 | 0 34 | 18 53 | 0 38 | 3 8 | 16 20 | 16 12 | 15 46 | 18 5 | 9 55 | 6 31 |
| S 9 | 22 53 | 19 56 | 3 1 | 23 42 | 0 34 | 10 39 | 2 7 | 15 58 | 2 50 | 16 4 | 0 25 | 3 2 | 2 12 | 12 2 | 0 34 | 18 53 | 0 38 | 3 8 | 16 20 | 16 11 | 15 45 | 18 5 | 9 54 | 6 30 |
| S 10 | 22 58 | 19 27 | 3 50 | 23 27 | 0 20 | 10 54 | 2 11 | 15 53 | 2 53 | 16 5 | 0 25 | 3 1 | 2 12 | 12 2 | 0 34 | 18 54 | 0 38 | 3 8 | 16 19 | 16 9 | 15 44 | 18 6 | 9 53 | 6 30 |
| M11 | 23 2 | 18 4 | 4 29 | 23 12 | 0 4 | 11 10 | 2 14 | 15 48 | 2 57 | 16 6 | 0 25 | 3 0 | 2 11 | 12 1 | 0 34 | 18 54 | 0 38 | 3 8 | 16 19 | 16 7 | 15 43 | 18 7 | 9 53 | 6 29 |
| T 12 | 23 5 | 15 51 | 4 56 | 22 56 | 0s12 | 11 25 | 2 17 | 15 43 | 3 0 | 16 6 | 0 25 | 3 0 | 2 11 | 12 1 | 0 34 | 18 54 | 0 38 | 3 8 | 16 19 | 16 5 | 15 42 | 18 8 | 9 52 | 6 29 |
| W13 | 23 8 | 12 52 | 5 9 | 22 40 | 0 28 | 11 41 | 2 20 | 15 38 | 3 3 | 16 7 | 0 25 | 2 59 | 2 11 | 12 0 | 0 34 | 18 54 | 0 38 | 3 8 | 16 19 | 16 3 | 15 41 | 18 8 | 9 51 | 6 28 |
| T 14 | 23 11 | 9 15 | 5 8 | 22 23 | 0 45 | 11 57 | 2 23 | 15 33 | 3 6 | 16 8 | 0 26 | 2 58 | 2 11 | 12 0 | 0 34 | 18 55 | 0 38 | 3 8 | 16 18 | 16 2 | 15 40 | 18 9 | 9 50 | 6 27 |
| F 15 | 23 13 | 5 8 | 4 51 | 22 7 | 1 3 | 12 12 | 2 26 | 15 29 | 3 10 | 16 8 | 0 26 | 2 57 | 2 11 | 12 0 | 0 34 | 18 55 | 0 38 | 3 8 | 16 18 | 16 1 | 15 39 | 18 10 | 9 49 | 6 27 |
| S 16 | 23 15 | 0 41 | 4 18 | 21 50 | 1 20 | 12 28 | 2 28 | 15 24 | 3 13 | 16 9 | 0 26 | 2 56 | 2 10 | 11 59 | 0 34 | 18 55 | 0 38 | 3 8 | 16 18 | 16 0 | 15 38 | 18 10 | 9 48 | 6 26 |
| S 17 | 23 17 | 3n54 | 3 30 | 21 34 | 1 38 | 12 44 | 2 30 | 15 20 | 3 16 | 16 10 | 0 26 | 2 55 | 2 10 | 11 59 | 0 34 | 18 55 | 0 38 | 3 8 | 16 17 | 16 0 | 15 37 | 18 11 | 9 47 | 6 26 |
| M18 | 23 18 | 8 24 | 2 29 | 21 17 | 1 55 | 13 0 | 2 32 | 15 16 | 3 20 | 16 11 | 0 26 | 2 54 | 2 10 | 11 58 | 0 34 | 18 56 | 0 38 | 3 8 | 16 17 | 16 0 | 15 36 | 18 12 | 9 46 | 6 25 |
| T 19 | 23 18 | 12 34 | 1 17 | 21 1 | 2 12 | 13 16 | 2 34 | 15 12 | 3 23 | 16 12 | 0 27 | 2 53 | 2 10 | 11 58 | 0 34 | 18 56 | 0 38 | 3 8 | 16 17 | 16 1 | 15 35 | 18 12 | 9 45 | 6 25 |
| W20 | 23 19 | 16 3 | 0s 1 | 20 45 | 2 29 | 13 32 | 2 36 | 15 8 | 3 27 | 16 13 | 0 27 | 2 52 | 2 10 | 11 58 | 0 34 | 18 56 | 0 38 | 3 8 | 16 16 | 16 1 | 15 34 | 18 13 | 9 43 | 6 24 |
| T 21 | 23 18 | 18 34 | 1 20 | 20 30 | 2 45 | 13 47 | 2 38 | 15 4 | 3 30 | 16 14 | 0 27 | 2 51 | 2 10 | 11 57 | 0 33 | 18 56 | 0 38 | 3 8 | 16 16 | 16 1 | 15 33 | 18 14 | 9 42 | 6 24 |
| F 22 | 23 18 | 19 49 | 2 35 | 20 15 | 3 1 | 14 3 | 2 39 | 15 1 | 3 34 | 16 16 | 0 27 | 2 50 | 2 9 | 11 57 | 0 33 | 18 57 | 0 38 | 3 8 | 16 16 | 16 0 | 15 33 | 18 14 | 9 41 | 6 23 |
| S 23 | 23 17 | 19 40 | 3 38 | 20 1 | 3 16 | 14 19 | 2 41 | 14 58 | 3 38 | 16 17 | 0 27 | 2 49 | 2 9 | 11 57 | 0 33 | 18 57 | 0 38 | 3 9 | 16 15 | 15 58 | 15 32 | 18 15 | 9 40 | 6 23 |
| S 24 | 23 15 | 18 9 | 4 27 | 19 48 | 3 29 | 14 34 | 2 42 | 14 54 | 3 41 | 16 18 | 0 28 | 2 48 | 2 9 | 11 57 | 0 33 | 18 57 | 0 38 | 3 9 | 16 15 | 15 56 | 15 31 | 18 15 | 9 39 | 6 22 |
| M25 | 23 14 | 15 28 | 4 57 | 19 36 | 3 42 | 14 50 | 2 43 | 14 51 | 3 45 | 16 19 | 0 28 | 2 47 | 2 9 | 11 56 | 0 33 | 18 58 | 0 38 | 3 9 | 16 14 | 15 54 | 15 30 | 18 16 | 9 37 | 6 22 |
| T 26 | 23 11 | 11 56 | 5 7 | 19 25 | 3 53 | 15 5 | 2 44 | 14 49 | 3 49 | 16 21 | 0 28 | 2 45 | 2 9 | 11 56 | 0 33 | 18 58 | 0 38 | 3 9 | 16 14 | 15 52 | 15 29 | 18 17 | 9 36 | 6 21 |
| W27 | 23 9 | 7 50 | 4 59 | 19 15 | 4 3 | 15 20 | 2 45 | 14 46 | 3 52 | 16 22 | 0 28 | 2 44 | 2 8 | 11 56 | 0 33 | 18 58 | 0 38 | 3 9 | 16 14 | 15 50 | 15 28 | 18 17 | 9 35 | 6 21 |
| T 28 | 23 6 | 3 30 | 4 35 | 19 7 | 4 12 | 15 36 | 2 45 | 14 44 | 3 56 | 16 24 | 0 28 | 2 43 | 2 8 | 11 56 | 0 33 | 18 59 | 0 38 | 3 9 | 16 13 | 15 48 | 15 27 | 18 18 | 9 33 | 6 20 |
| F 29 | 23 2 | 0s52 | 3 57 | 18 59 | 4 19 | 15 51 | 2 46 | 14 42 | 4 0 | 16 25 | 0 28 | 2 41 | 2 8 | 11 56 | 0 33 | 18 59 | 0 38 | 3 9 | 16 13 | 15 47 | 15 26 | 18 19 | 9 32 | 6 20 |
| S 30 | 22n58 | 5s 4 | 3s 9 | 18n53 | 4s25 | 16n 5 | 2s46 | 14s40 | 4s 4 | 16s27 | 0s29 | 2n40 | 2n 8 | 11s55 | 0n33 | 18s59 | 0n38 | 3s10 | 16n12 | 15s47 | 15s25 | 18s19 | 9n31 | 6s19 |

Julian Day Number = 2809999.5, Delta T = 52m52s
Ecliptic obliquity = 23°18'37, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°28'43, Lahiri = 37°35'43


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# ASTRODIENST EPHEMERIS for the year 2981
# geocentric

## JULY 2981 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 39 19 | 10♋27'37 | 17♎42 | 28°R59 | 25♉29 | 1♓48 | 15°R48 | 28♍16 | 2°R59 | 2°R 0 | 25°R 1 | 13♏25 | 12♏ 9 | 28♏44 | 17♌28 | S 1 |
| M 2 | 18 43 15 | 11°24'58 | 29°41 | 28♊44 | 26°32 | 2° 2 | 15♒43 | 28°20 | 2♏59 | 1♒59 | 25♏ 0 | 13°26 | 12° 5 | 28°50 | 17°35 | M 2 |
| T 3 | 18 47 12 | 12°22'18 | 11♏31 | 28°34 | 27°36 | 2°16 | 15°37 | 28°23 | 2°58 | 1°57 | 24°59 | 13°R27 | 12° 2 | 28°57 | 17°41 | T 3 |
| W 4 | 18 51 8 | 13°19'37 | 23°18 | 28°28 | 28°39 | 2°29 | 15°32 | 28°27 | 2°58 | 1°56 | 24°58 | 13°26 | 11°59 | 29° 4 | 17°47 | W 4 |
| T 5 | 18 55 5 | 14°16'56 | 5♐ 7 | 28°D27 | 29°43 | 2°41 | 15°27 | 28°30 | 2°58 | 1°54 | 24°57 | 13°24 | 11°56 | 29°10 | 17°54 | T 5 |
| F 6 | 18 59 1 | 15°14'14 | 17° 0 | 28°30 | 0♊47 | 2°53 | 15°21 | 28°34 | 2°57 | 1°52 | 24°56 | 13°19 | 11°53 | 29°17 | 18° 0 | F 6 |
| S 7 | 19 2 58 | 16°11'32 | 29° 1 | 28°37 | 1°51 | 3° 4 | 15°15 | 28°38 | 2°57 | 1°51 | 24°56 | 13°12 | 11°50 | 29°24 | 18° 7 | S 7 |
| S 8 | 19 6 55 | 17° 8'49 | 11♑13 | 28°50 | 2°55 | 3°15 | 15° 9 | 28°42 | 2°57 | 1°49 | 24°55 | 13° 2 | 11°46 | 29°30 | 18°13 | S 8 |
| M 9 | 19 10 51 | 18° 6'05 | 23°36 | 29° 7 | 4° 0 | 3°25 | 15° 3 | 28°45 | 2°57 | 1°48 | 24°54 | 12°51 | 11°43 | 29°37 | 18°20 | M 9 |
| T 10 | 19 14 48 | 19° 3'21 | 6♒11 | 29°29 | 5° 5 | 3°34 | 14°57 | 28°49 | 2°D57 | 1°46 | 24°53 | 12°40 | 11°40 | 29°44 | 18°26 | T 10 |
| W11 | 19 18 44 | 20° 0'37 | 18°58 | 29°55 | 6°10 | 3°43 | 14°51 | 28°54 | 2°57 | 1°45 | 24°52 | 12°29 | 11°37 | 29°50 | 18°33 | W11 |
| T 12 | 19 22 41 | 20°57'53 | 1♓57 | 0♋26 | 7°15 | 3°51 | 14°45 | 28°58 | 2°57 | 1°43 | 24°51 | 12°20 | 11°34 | 29°57 | 18°40 | T 12 |
| F 13 | 19 26 37 | 21°55'08 | 15° 8 | 1° 2 | 8°20 | 3°58 | 14°38 | 29° 2 | 2°57 | 1°42 | 24°51 | 12°12 | 11°30 | 0♐ 4 | 18°47 | F 13 |
| S 14 | 19 30 34 | 22°52'23 | 28°32 | 1°43 | 9°26 | 4° 5 | 14°32 | 29° 6 | 2°57 | 1°40 | 24°50 | 12° 8 | 11°27 | 0°10 | 18°53 | S 14 |
| S 15 | 19 34 31 | 23°49'39 | 12♈ 8 | 2°27 | 10°31 | 4°11 | 14°25 | 29°11 | 2°58 | 1°38 | 24°49 | 12° 6 | 11°24 | 0°17 | 19° 0 | S 15 |
| M16 | 19 38 27 | 24°46'54 | 25°58 | 3°17 | 11°37 | 4°16 | 14°18 | 29°15 | 2°58 | 1°37 | 24°49 | 12°D 5 | 11°21 | 0°23 | 19° 7 | M16 |
| T 17 | 19 42 24 | 25°44'10 | 10♉ 1 | 4°11 | 12°43 | 4°20 | 14°11 | 29°20 | 2°58 | 1°35 | 24°48 | 12°R 5 | 11°18 | 0°30 | 19°14 | T 17 |
| W18 | 19 46 20 | 26°41'26 | 24°18 | 5° 9 | 13°49 | 4°24 | 14° 4 | 29°25 | 2°59 | 1°34 | 24°48 | 12° 5 | 11°15 | 0°37 | 19°21 | W18 |
| T 19 | 19 50 17 | 27°38'42 | 8♊46 | 6°11 | 14°56 | 4°27 | 13°57 | 29°29 | 2°59 | 1°32 | 24°47 | 12° 3 | 11°11 | 0°43 | 19°27 | T 19 |
| F 20 | 19 54 13 | 28°35'59 | 23°23 | 7°18 | 16° 2 | 4°29 | 13°50 | 29°34 | 3° 0 | 1°30 | 24°47 | 11°58 | 11° 8 | 0°50 | 19°34 | F 20 |
| S 21 | 19 58 10 | 29°33'15 | 8♋ 2 | 8°28 | 17° 9 | 4°30 | 13°43 | 29°39 | 3° 0 | 1°29 | 24°46 | 11°51 | 11° 5 | 0°57 | 19°41 | S 21 |
| S 22 | 20 2 6 | 0♌30'32 | 22°38 | 9°43 | 18°16 | 4°R31 | 13°36 | 29°44 | 3° 1 | 1°27 | 24°46 | 11°41 | 11° 2 | 1° 3 | 19°48 | S 22 |
| M23 | 20 6 3 | 1°27'49 | 7♌ 2 | 11° 2 | 19°23 | 4°30 | 13°28 | 29°49 | 3° 1 | 1°25 | 24°45 | 11°30 | 10°59 | 1°10 | 19°55 | M23 |
| T 24 | 20 10 0 | 2°25'05 | 21° 8 | 12°25 | 20°30 | 4°29 | 13°21 | 29°54 | 3° 2 | 1°24 | 24°45 | 11°19 | 10°56 | 1°17 | 20° 2 | T 24 |
| W25 | 20 13 56 | 3°22'22 | 4♍52 | 13°52 | 21°37 | 4°28 | 13°13 | 29°59 | 3° 3 | 1°22 | 24°45 | 11° 8 | 10°52 | 1°23 | 20°10 | W25 |
| T 26 | 20 17 53 | 4°19'38 | 18°11 | 15°23 | 22°44 | 4°25 | 13° 6 | 0♎ 5 | 3° 4 | 1°21 | 24°44 | 11° 0 | 10°49 | 1°30 | 20°17 | T 26 |
| F 27 | 20 21 49 | 5°16'55 | 1♎ 5 | 16°57 | 23°51 | 4°22 | 12°58 | 0°10 | 3° 5 | 1°19 | 24°44 | 10°54 | 10°46 | 1°37 | 20°24 | F 27 |
| S 28 | 20 25 46 | 6°14'11 | 13°37 | 18°36 | 24°59 | 4°18 | 12°50 | 0°15 | 3° 6 | 1°17 | 24°44 | 10°50 | 10°43 | 1°43 | 20°31 | S 28 |
| S 29 | 20 29 42 | 7°11'27 | 25°50 | 20°17 | 26° 7 | 4°13 | 12°43 | 0°21 | 3° 6 | 1°16 | 24°43 | 10°49 | 10°40 | 1°50 | 20°38 | S 29 |
| M30 | 20 33 39 | 8° 8'44 | 7♏50 | 22° 2 | 27°14 | 4° 7 | 12°35 | 0°26 | 3° 8 | 1°14 | 24°43 | 10°49 | 10°36 | 1°57 | 20°45 | M30 |
| T 31 | 20 37 35 | 9♌ 6'00 | 19♏41 | 23♋51 | 28♊22 | 4♓ 1 | 12♒27 | 0♎32 | 3♏ 9 | 1♒12 | 24♏43 | 10♏49 | 10♏33 | 2♐ 3 | 20♌52 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n54 | 8s58 | 2s14 | 18n49 | 4s29 | 16n20 | 2s46 | 14s38 | 4s 8 | 16s29 | 0s29 | 2n38 | 2n 8 | 11s55 | 0n33 | 19s 0 | 0n38 | 3s10 | 16n12 | 15s47 | 15s24 | 18s20 | 9n29 | 6s19 |
| M 2 | 22 49 | 12 26 | 1 13 | 18 46 | 4 33 | 16 34 | 2 47 | 14 37 | 4 12 | 16 30 | 0 29 | 2 37 | 2 8 | 11 55 | 0 33 | 19 0 | 0 38 | 3 10 | 16 11 | 15 47 | 15 23 | 18 20 | 9 28 | 6 18 |
| T 3 | 22 44 | 15 22 | 0 10 | 18 44 | 4 34 | 16 49 | 2 47 | 14 35 | 4 15 | 16 32 | 0 29 | 2 35 | 2 7 | 11 55 | 0 33 | 19 0 | 0 38 | 3 10 | 16 11 | 15 47 | 15 22 | 18 21 | 9 26 | 6 18 |
| W 4 | 22 39 | 17 39 | 0n53 | 18 43 | 4 35 | 17 3 | 2 46 | 14 34 | 4 19 | 16 34 | 0 29 | 2 34 | 2 7 | 11 55 | 0 33 | 19 1 | 0 38 | 3 10 | 16 10 | 15 47 | 15 21 | 18 22 | 9 25 | 6 18 |
| T 5 | 22 33 | 19 11 | 1 53 | 18 44 | 4 34 | 17 16 | 2 46 | 14 33 | 4 23 | 16 35 | 0 30 | 2 32 | 2 7 | 11 55 | 0 33 | 19 1 | 0 38 | 3 11 | 16 10 | 15 46 | 15 20 | 18 22 | 9 23 | 6 17 |
| F 6 | 22 27 | 19 52 | 2 49 | 18 47 | 4 32 | 17 30 | 2 46 | 14 33 | 4 27 | 16 37 | 0 30 | 2 31 | 2 7 | 11 55 | 0 33 | 19 1 | 0 38 | 3 11 | 16 10 | 15 45 | 15 19 | 18 23 | 9 22 | 6 17 |
| S 7 | 22 20 | 19 40 | 3 38 | 18 50 | 4 28 | 17 43 | 2 45 | 14 32 | 4 31 | 16 39 | 0 30 | 2 29 | 2 7 | 11 55 | 0 33 | 19 2 | 0 38 | 3 11 | 16 9 | 15 43 | 15 18 | 18 23 | 9 20 | 6 16 |
| S 8 | 22 13 | 18 33 | 4 18 | 18 54 | 4 24 | 17 56 | 2 45 | 14 32 | 4 35 | 16 41 | 0 30 | 2 27 | 2 7 | 11 55 | 0 33 | 19 2 | 0 38 | 3 11 | 16 9 | 15 40 | 15 17 | 18 24 | 9 19 | 6 16 |
| M 9 | 22 6 | 16 34 | 4 46 | 19 0 | 4 19 | 18 9 | 2 44 | 14 32 | 4 39 | 16 43 | 0 30 | 2 26 | 2 6 | 11 55 | 0 33 | 19 2 | 0 38 | 3 12 | 16 8 | 15 37 | 15 16 | 18 25 | 9 17 | 6 16 |
| T 10 | 21 58 | 13 46 | 5 1 | 19 6 | 4 12 | 18 21 | 2 43 | 14 33 | 4 43 | 16 45 | 0 30 | 2 24 | 2 6 | 11 55 | 0 33 | 19 3 | 0 38 | 3 12 | 16 8 | 15 33 | 15 15 | 18 25 | 9 16 | 6 15 |
| W11 | 21 50 | 10 17 | 5 1 | 19 14 | 4 5 | 18 33 | 2 42 | 14 33 | 4 47 | 16 47 | 0 31 | 2 22 | 2 6 | 11 55 | 0 33 | 19 3 | 0 38 | 3 12 | 16 7 | 15 30 | 15 14 | 18 26 | 9 14 | 6 15 |
| T 12 | 21 41 | 6 16 | 4 45 | 19 22 | 3 57 | 18 45 | 2 41 | 14 34 | 4 52 | 16 49 | 0 31 | 2 20 | 2 6 | 11 55 | 0 33 | 19 3 | 0 38 | 3 13 | 16 7 | 15 27 | 15 13 | 18 26 | 9 12 | 6 14 |
| F 13 | 21 32 | 1 54 | 4 15 | 19 30 | 3 48 | 18 57 | 2 40 | 14 35 | 4 56 | 16 51 | 0 31 | 2 18 | 2 6 | 11 55 | 0 33 | 19 4 | 0 38 | 3 13 | 16 6 | 15 25 | 15 12 | 18 27 | 9 11 | 6 14 |
| S 14 | 21 23 | 2n38 | 3 30 | 19 40 | 3 38 | 19 8 | 2 39 | 14 37 | 5 0 | 16 53 | 0 31 | 2 17 | 2 6 | 11 55 | 0 33 | 19 4 | 0 38 | 3 13 | 16 6 | 15 24 | 15 11 | 18 27 | 9 9 | 6 14 |
| S 15 | 21 13 | 7 6 | 2 32 | 19 49 | 3 28 | 19 19 | 2 37 | 14 38 | 5 4 | 16 55 | 0 31 | 2 15 | 2 5 | 11 55 | 0 33 | 19 4 | 0 38 | 3 14 | 16 5 | 15 23 | 15 10 | 18 28 | 9 7 | 6 13 |
| M16 | 21 3 | 11 17 | 1 25 | 19 59 | 3 18 | 19 29 | 2 36 | 14 40 | 5 8 | 16 57 | 0 32 | 2 13 | 2 5 | 11 55 | 0 33 | 19 5 | 0 38 | 3 14 | 16 5 | 15 23 | 15 9 | 18 29 | 9 5 | 6 13 |
| T 17 | 20 53 | 14 55 | 0 11 | 20 8 | 3 6 | 19 39 | 2 34 | 14 43 | 5 12 | 16 59 | 0 32 | 2 11 | 2 5 | 11 56 | 0 33 | 19 5 | 0 38 | 3 14 | 16 4 | 15 23 | 15 8 | 18 29 | 9 4 | 6 13 |
| W18 | 20 42 | 17 42 | 1s 4 | 20 18 | 2 55 | 19 48 | 2 33 | 14 45 | 5 16 | 17 2 | 0 32 | 2 9 | 2 5 | 11 56 | 0 33 | 19 5 | 0 38 | 3 15 | 16 4 | 15 23 | 15 7 | 18 30 | 9 2 | 6 12 |
| T 19 | 20 31 | 19 24 | 2 17 | 20 28 | 2 42 | 19 58 | 2 31 | 14 48 | 5 20 | 17 4 | 0 32 | 2 7 | 2 5 | 11 56 | 0 32 | 19 6 | 0 38 | 3 15 | 16 3 | 15 22 | 15 6 | 18 30 | 9 0 | 6 12 |
| F 20 | 20 20 | 19 49 | 3 20 | 20 37 | 2 30 | 20 6 | 2 29 | 14 51 | 5 24 | 17 6 | 0 32 | 2 5 | 2 5 | 11 56 | 0 32 | 19 6 | 0 38 | 3 16 | 16 2 | 15 21 | 15 5 | 18 31 | 8 58 | 6 12 |
| S 21 | 20 8 | 18 54 | 4 11 | 20 45 | 2 17 | 20 15 | 2 27 | 14 54 | 5 28 | 17 8 | 0 32 | 2 3 | 2 5 | 11 56 | 0 32 | 19 7 | 0 38 | 3 16 | 16 2 | 15 18 | 15 4 | 18 31 | 8 56 | 6 12 |
| S 22 | 19 56 | 16 44 | 4 45 | 20 53 | 2 4 | 20 23 | 2 25 | 14 57 | 5 32 | 17 10 | 0 32 | 2 1 | 2 4 | 11 57 | 0 32 | 19 7 | 0 38 | 3 17 | 16 1 | 15 15 | 15 3 | 18 32 | 8 55 | 6 11 |
| M23 | 19 44 | 13 34 | 5 0 | 21 0 | 1 51 | 20 30 | 2 23 | 15 1 | 5 36 | 17 13 | 0 33 | 1 59 | 2 4 | 11 57 | 0 32 | 19 7 | 0 38 | 3 17 | 16 1 | 15 12 | 15 2 | 18 32 | 8 53 | 6 11 |
| T 24 | 19 31 | 9 41 | 4 57 | 21 6 | 1 38 | 20 37 | 2 21 | 15 5 | 5 40 | 17 15 | 0 33 | 1 56 | 2 4 | 11 57 | 0 32 | 19 8 | 0 38 | 3 17 | 16 0 | 15 9 | 15 1 | 18 33 | 8 51 | 6 11 |
| W25 | 19 18 | 5 23 | 4 36 | 21 11 | 1 25 | 20 44 | 2 19 | 15 9 | 5 44 | 17 17 | 0 33 | 1 54 | 2 4 | 11 57 | 0 32 | 19 8 | 0 38 | 3 18 | 16 0 | 15 5 | 15 0 | 18 33 | 8 49 | 6 11 |
| T 26 | 19 4 | 0 57 | 4 1 | 21 15 | 1 11 | 20 50 | 2 17 | 15 14 | 5 48 | 17 19 | 0 33 | 1 52 | 2 4 | 11 58 | 0 32 | 19 8 | 0 38 | 3 18 | 15 59 | 15 3 | 14 59 | 18 34 | 8 47 | 6 10 |
| F 27 | 18 51 | 3s24 | 3 14 | 21 17 | 0 58 | 20 56 | 2 15 | 15 18 | 5 51 | 17 22 | 0 33 | 1 50 | 2 4 | 11 58 | 0 32 | 19 9 | 0 38 | 3 19 | 15 59 | 15 1 | 14 58 | 18 34 | 8 45 | 6 10 |
| S 28 | 18 37 | 7 29 | 2 19 | 21 17 | 0 45 | 21 1 | 2 12 | 15 23 | 5 55 | 17 24 | 0 33 | 1 48 | 2 4 | 11 58 | 0 32 | 19 9 | 0 38 | 3 19 | 15 58 | 15 0 | 14 57 | 18 35 | 8 43 | 6 10 |
| S 29 | 18 22 | 11 9 | 1 19 | 21 16 | 0 32 | 21 6 | 2 10 | 15 28 | 5 58 | 17 26 | 0 34 | 1 45 | 2 4 | 11 59 | 0 32 | 19 9 | 0 38 | 3 20 | 15 58 | 14 59 | 14 56 | 18 35 | 8 41 | 6 10 |
| M30 | 18 8 | 14 18 | 0 16 | 21 12 | 0 19 | 21 10 | 2 7 | 15 34 | 6 2 | 17 29 | 0 34 | 1 43 | 2 3 | 11 59 | 0 32 | 19 10 | 0 38 | 3 20 | 15 57 | 14 59 | 14 56 | 18 36 | 8 39 | 6 9 |
| T 31 | 17n53 | 16s48 | 0n47 | 21n 6 | 0s 7 | 21n13 | 2s 5 | 15s39 | 6s 5 | 17s31 | 0s34 | 1n41 | 2n 3 | 12s 0 | 0n32 | 19s10 | 0n38 | 3s21 | 15n56 | 14s59 | 14s55 | 18s36 | 8n37 | 6s 9 |

Julian Day Number = 2810029.5, Delta T = 52m53s
Ecliptic obliquity = 23°18'36, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°28'47, Lahiri = 37°35'47


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# ASTRODIENST EPHEMERIS for the year 2981
# geocentric

## AUGUST 2981 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 41 32 | 10♌ 3'17 | 1♐29 | 25♋42 | 29♊30 | 3°R54 | 12°R20 | 0♎37 | 3♏10 | 1°R11 | 24°R43 | 10°R47 | 10♏30 | 2♐10 | 21♌ 0 | W 1 |
| T 2 | 20 45 29 | 11° 0'33 | 13°20 | 27°37 | 0♋38 | 3♓47 | 12♒12 | 0°43 | 3°11 | 1♒ 9 | 24♏43 | 10♏45 | 10°27 | 2°17 | 21° 7 | T 2 |
| F 3 | 20 49 25 | 11°57'50 | 25°18 | 29°34 | 1°47 | 3°38 | 12° 4 | 0°49 | 3°12 | 1° 8 | 24°43 | 10°39 | 10°24 | 2°23 | 21°14 | F 3 |
| S 4 | 20 53 22 | 12°55'07 | 7♑26 | 1♌33 | 2°55 | 3°29 | 11°56 | 0°55 | 3°13 | 1° 6 | 24°D43 | 10°31 | 10°21 | 2°30 | 21°21 | S 4 |
| S 5 | 20 57 18 | 13°52'24 | 19°48 | 3°35 | 4° 4 | 3°20 | 11°49 | 1° 0 | 3°15 | 1° 5 | 24°43 | 10°21 | 10°17 | 2°37 | 21°29 | S 5 |
| M 6 | 21 1 15 | 14°49'42 | 2♒26 | 5°38 | 5°12 | 3° 9 | 11°41 | 1° 6 | 3°16 | 1° 3 | 24°43 | 10° 9 | 10°14 | 2°43 | 21°36 | M 6 |
| T 7 | 21 5 11 | 15°47'00 | 15°19 | 7°42 | 6°21 | 2°58 | 11°33 | 1°12 | 3°18 | 1° 1 | 24°43 | 9°56 | 10°11 | 2°50 | 21°43 | T 7 |
| W 8 | 21 9 8 | 16°44'18 | 28°26 | 9°48 | 7°30 | 2°47 | 11°26 | 1°18 | 3°19 | 1° 0 | 24°43 | 9°44 | 10° 8 | 2°57 | 21°50 | W 8 |
| T 9 | 21 13 4 | 17°41'37 | 11♓47 | 11°54 | 8°38 | 2°35 | 11°18 | 1°24 | 3°21 | 0°58 | 24°43 | 9°33 | 10° 5 | 3° 3 | 21°58 | T 9 |
| F 10 | 21 17 1 | 18°38'57 | 25°19 | 14° 1 | 9°47 | 2°22 | 11°10 | 1°31 | 3°22 | 0°57 | 24°44 | 9°25 | 10° 1 | 3°10 | 22° 5 | F 10 |
| S 11 | 21 20 58 | 19°36'17 | 9♈ 1 | 16° 8 | 10°57 | 2° 9 | 11° 3 | 1°37 | 3°24 | 0°55 | 24°44 | 9°20 | 9°58 | 3°16 | 22°12 | S 11 |
| S 12 | 21 24 54 | 20°33'38 | 22°51 | 18°15 | 12° 6 | 1°56 | 10°55 | 1°43 | 3°25 | 0°54 | 24°44 | 9°17 | 9°55 | 3°23 | 22°20 | S 12 |
| M13 | 21 28 51 | 21°31'01 | 6♉48 | 20°22 | 13°15 | 1°42 | 10°48 | 1°49 | 3°27 | 0°52 | 24°44 | 9°D17 | 9°52 | 3°30 | 22°27 | M13 |
| T 14 | 21 32 47 | 22°28'24 | 20°51 | 22°28 | 14°25 | 1°27 | 10°40 | 1°56 | 3°29 | 0°51 | 24°45 | 9°R17 | 9°49 | 3°36 | 22°34 | T 14 |
| W15 | 21 36 44 | 23°25'49 | 4♊59 | 24°33 | 15°34 | 1°12 | 10°33 | 2° 2 | 3°31 | 0°49 | 24°45 | 9°16 | 9°46 | 3°43 | 22°42 | W15 |
| T 16 | 21 40 40 | 24°23'14 | 19°12 | 26°37 | 16°44 | 0°57 | 10°25 | 2° 9 | 3°32 | 0°48 | 24°46 | 9°14 | 9°42 | 3°50 | 22°49 | T 16 |
| F 17 | 21 44 37 | 25°20'41 | 3♋28 | 28°40 | 17°53 | 0°42 | 10°18 | 2°15 | 3°34 | 0°46 | 24°46 | 9°10 | 9°39 | 3°56 | 22°56 | F 17 |
| S 18 | 21 48 33 | 26°18'08 | 17°43 | 0♍42 | 19° 3 | 0°26 | 10°11 | 2°22 | 3°36 | 0°45 | 24°46 | 9° 3 | 9°36 | 4° 3 | 23° 4 | S 18 |
| S 19 | 21 52 30 | 27°15'37 | 1♌53 | 2°43 | 20°13 | 0°10 | 10° 4 | 2°28 | 3°38 | 0°44 | 24°47 | 8°54 | 9°33 | 4°10 | 23°11 | S 19 |
| M20 | 21 56 27 | 28°13'07 | 15°54 | 4°42 | 21°23 | 29♒54 | 9°57 | 2°35 | 3°40 | 0°42 | 24°47 | 8°43 | 9°30 | 4°16 | 23°18 | M20 |
| T 21 | 22 0 23 | 29°10'37 | 29°40 | 6°40 | 22°33 | 29°38 | 9°50 | 2°41 | 3°42 | 0°41 | 24°48 | 8°32 | 9°27 | 4°23 | 23°25 | T 21 |
| W22 | 22 4 20 | 0♍ 8'09 | 13♍ 9 | 8°36 | 23°43 | 29°22 | 9°43 | 2°48 | 3°45 | 0°39 | 24°49 | 8°22 | 9°23 | 4°30 | 23°33 | W22 |
| T 23 | 22 8 16 | 1° 5'41 | 26°17 | 10°31 | 24°54 | 29° 6 | 9°36 | 2°55 | 3°47 | 0°38 | 24°49 | 8°14 | 9°20 | 4°36 | 23°40 | T 23 |
| F 24 | 22 12 13 | 2° 3'14 | 9♎ 5 | 12°24 | 26° 4 | 28°50 | 9°29 | 3° 2 | 3°49 | 0°37 | 24°50 | 8° 8 | 9°17 | 4°43 | 23°47 | F 24 |
| S 25 | 22 16 9 | 3° 0'48 | 21°33 | 14°16 | 27°14 | 28°34 | 9°23 | 3° 9 | 3°51 | 0°35 | 24°51 | 8° 4 | 9°14 | 4°50 | 23°55 | S 25 |
| S 26 | 22 20 6 | 3°58'23 | 3♏45 | 16° 6 | 28°25 | 28°18 | 9°16 | 3°15 | 3°54 | 0°34 | 24°51 | 8°D 3 | 9°11 | 4°56 | 24° 2 | S 26 |
| M27 | 22 24 2 | 4°55'59 | 15°44 | 17°55 | 29°35 | 28° 2 | 9°10 | 3°22 | 3°56 | 0°33 | 24°52 | 8° 3 | 9° 7 | 5° 3 | 24° 9 | M27 |
| T 28 | 22 27 59 | 5°53'36 | 27°36 | 19°42 | 0♌46 | 27°47 | 9° 4 | 3°29 | 3°58 | 0°32 | 24°53 | 8° 4 | 9° 4 | 5°10 | 24°17 | T 28 |
| W29 | 22 31 55 | 6°51'13 | 9♐25 | 21°28 | 1°57 | 27°31 | 8°58 | 3°36 | 4° 1 | 0°30 | 24°54 | 8°R 4 | 9° 1 | 5°16 | 24°24 | W29 |
| T 30 | 22 35 52 | 7°48'52 | 21°17 | 23°12 | 3° 8 | 27°17 | 8°52 | 3°43 | 4° 3 | 0°29 | 24°55 | 8° 3 | 8°58 | 5°23 | 24°31 | T 30 |
| F 31 | 22 39 49 | 8♍46'31 | 3♑17 | 24♍55 | 4♌19 | 27♒ 2 | 8♒46 | 3♎50 | 4♏ 6 | 0♒28 | 24♏56 | 8♏ 0 | 8♏55 | 5♐30 | 24♌38 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n38 | 18s36 | 1n47 | 20n58 | 0n 5 | 21n17 | 2s 2 | 15s45 | 6s 9 | 17s33 | 0s34 | 1n38 | 2n 3 | 12s 0 | 0n32 | 19s11 | 0n38 | 3s21 | 15n56 | 14s59 | 14s54 | 18s37 | 8n35 | 6s 9 |
| T 2 | 17 22 | 19 35 | 2 43 | 20 48 | 0 17 | 21 19 | 1 59 | 15 51 | 6 12 | 17 36 | 0 34 | 1 36 | 2 3 | 12 0 | 0 32 | 19 11 | 0 38 | 3 22 | 15 55 | 14 58 | 14 53 | 18 37 | 8 33 | 6 9 |
| F 3 | 17 7 | 19 41 | 3 32 | 20 35 | 0 28 | 21 21 | 1 57 | 15 57 | 6 15 | 17 38 | 0 34 | 1 34 | 2 3 | 12 1 | 0 32 | 19 11 | 0 38 | 3 22 | 15 55 | 14 56 | 14 52 | 18 38 | 8 31 | 6 9 |
| S 4 | 16 51 | 18 54 | 4 13 | 20 20 | 0 38 | 21 23 | 1 54 | 16 3 | 6 18 | 17 40 | 0 34 | 1 31 | 2 3 | 12 1 | 0 32 | 19 12 | 0 38 | 3 23 | 15 54 | 14 54 | 14 51 | 18 38 | 8 29 | 6 8 |
| S 5 | 16 34 | 17 13 | 4 42 | 20 2 | 0 48 | 21 24 | 1 51 | 16 9 | 6 21 | 17 42 | 0 34 | 1 29 | 2 3 | 12 2 | 0 32 | 19 12 | 0 38 | 3 24 | 15 54 | 14 51 | 14 50 | 18 39 | 8 27 | 6 8 |
| M 6 | 16 18 | 14 40 | 4 58 | 19 41 | 0 57 | 21 25 | 1 48 | 16 15 | 6 24 | 17 45 | 0 35 | 1 26 | 2 3 | 12 2 | 0 32 | 19 12 | 0 38 | 3 24 | 15 53 | 14 47 | 14 49 | 18 39 | 8 25 | 6 8 |
| T 7 | 16 1 | 11 23 | 4 59 | 19 18 | 1 5 | 21 25 | 1 45 | 16 22 | 6 27 | 17 47 | 0 35 | 1 24 | 2 3 | 12 3 | 0 32 | 19 13 | 0 38 | 3 25 | 15 52 | 14 43 | 14 48 | 18 40 | 8 23 | 6 8 |
| W 8 | 15 44 | 7 30 | 4 45 | 18 52 | 1 13 | 21 24 | 1 42 | 16 28 | 6 29 | 17 49 | 0 35 | 1 21 | 2 2 | 12 3 | 0 32 | 19 13 | 0 38 | 3 25 | 15 52 | 14 39 | 14 47 | 18 40 | 8 20 | 6 8 |
| T 9 | 15 27 | 3 10 | 4 15 | 18 24 | 1 20 | 21 23 | 1 39 | 16 35 | 6 31 | 17 51 | 0 35 | 1 19 | 2 2 | 12 4 | 0 32 | 19 13 | 0 37 | 3 26 | 15 51 | 14 36 | 14 46 | 18 41 | 8 18 | 6 8 |
| F 10 | 15 9 | 1n22 | 3 30 | 17 54 | 1 26 | 21 21 | 1 36 | 16 42 | 6 34 | 17 54 | 0 35 | 1 16 | 2 2 | 12 4 | 0 32 | 19 14 | 0 37 | 3 27 | 15 51 | 14 33 | 14 45 | 18 41 | 8 16 | 6 8 |
| S 11 | 14 52 | 5 54 | 2 33 | 17 22 | 1 31 | 21 19 | 1 33 | 16 48 | 6 36 | 17 56 | 0 35 | 1 14 | 2 2 | 12 5 | 0 32 | 19 14 | 0 37 | 3 27 | 15 50 | 14 32 | 14 44 | 18 42 | 8 14 | 6 7 |
| S 12 | 14 34 | 10 10 | 1 26 | 16 47 | 1 35 | 21 16 | 1 30 | 16 55 | 6 38 | 17 58 | 0 35 | 1 11 | 2 2 | 12 6 | 0 32 | 19 14 | 0 37 | 3 28 | 15 49 | 14 31 | 14 43 | 18 42 | 8 12 | 6 7 |
| M13 | 14 15 | 13 55 | 0 13 | 16 11 | 1 39 | 21 13 | 1 27 | 17 2 | 6 39 | 18 0 | 0 35 | 1 9 | 2 2 | 12 6 | 0 32 | 19 15 | 0 37 | 3 28 | 15 49 | 14 30 | 14 42 | 18 43 | 8 9 | 6 7 |
| T 14 | 13 57 | 16 53 | 1s 1 | 15 33 | 1 42 | 21 9 | 1 24 | 17 8 | 6 41 | 18 2 | 0 35 | 1 6 | 2 2 | 12 7 | 0 32 | 19 15 | 0 37 | 3 29 | 15 48 | 14 30 | 14 41 | 18 43 | 8 7 | 6 7 |
| W15 | 13 38 | 18 51 | 2 12 | 14 54 | 1 44 | 21 5 | 1 20 | 17 15 | 6 43 | 18 4 | 0 36 | 1 4 | 2 2 | 12 8 | 0 31 | 19 15 | 0 37 | 3 30 | 15 48 | 14 30 | 14 40 | 18 43 | 8 5 | 6 7 |
| T 16 | 13 19 | 19 38 | 3 15 | 14 13 | 1 45 | 21 0 | 1 17 | 17 22 | 6 44 | 18 6 | 0 36 | 1 1 | 2 2 | 12 8 | 0 31 | 19 16 | 0 37 | 3 30 | 15 47 | 14 30 | 14 39 | 18 44 | 8 3 | 6 7 |
| F 17 | 13 0 | 19 10 | 4 6 | 13 31 | 1 45 | 20 54 | 1 14 | 17 28 | 6 45 | 18 8 | 0 36 | 0 58 | 2 2 | 12 9 | 0 31 | 19 16 | 0 37 | 3 31 | 15 47 | 14 28 | 14 38 | 18 44 | 8 1 | 6 7 |
| S 18 | 12 41 | 17 29 | 4 42 | 12 48 | 1 45 | 20 48 | 1 11 | 17 35 | 6 46 | 18 10 | 0 36 | 0 56 | 2 2 | 12 10 | 0 31 | 19 16 | 0 37 | 3 32 | 15 46 | 14 26 | 14 37 | 18 45 | 7 58 | 6 7 |
| S 19 | 12 21 | 14 45 | 5 0 | 12 5 | 1 44 | 20 41 | 1 7 | 17 41 | 6 46 | 18 12 | 0 36 | 0 53 | 2 1 | 12 10 | 0 31 | 19 17 | 0 37 | 3 32 | 15 45 | 14 23 | 14 36 | 18 45 | 7 56 | 6 7 |
| M20 | 12 2 | 11 12 | 5 0 | 11 20 | 1 43 | 20 34 | 1 4 | 17 47 | 6 47 | 18 14 | 0 36 | 0 50 | 2 1 | 12 11 | 0 31 | 19 17 | 0 37 | 3 33 | 15 45 | 14 20 | 14 35 | 18 46 | 7 54 | 6 7 |
| T 21 | 11 42 | 7 7 | 4 42 | 10 35 | 1 41 | 20 26 | 1 1 | 17 53 | 6 47 | 18 16 | 0 36 | 0 48 | 2 1 | 12 12 | 0 31 | 19 17 | 0 37 | 3 34 | 15 44 | 14 16 | 14 34 | 18 46 | 7 51 | 6 7 |
| W22 | 11 22 | 2 45 | 4 9 | 9 49 | 1 38 | 20 18 | 0 57 | 17 59 | 6 47 | 18 18 | 0 36 | 0 45 | 2 1 | 12 12 | 0 31 | 19 18 | 0 37 | 3 34 | 15 44 | 14 13 | 14 33 | 18 46 | 7 49 | 6 7 |
| T 23 | 11 2 | 1s38 | 3 23 | 9 3 | 1 35 | 20 9 | 0 54 | 18 5 | 6 47 | 18 20 | 0 36 | 0 42 | 2 1 | 12 13 | 0 31 | 19 18 | 0 37 | 3 35 | 15 43 | 14 10 | 14 32 | 18 47 | 7 47 | 6 7 |
| F 24 | 10 41 | 5 51 | 2 28 | 8 16 | 1 31 | 19 59 | 0 51 | 18 10 | 6 47 | 18 22 | 0 36 | 0 39 | 2 1 | 12 14 | 0 31 | 19 18 | 0 37 | 3 36 | 15 43 | 14 8 | 14 31 | 18 47 | 7 44 | 6 7 |
| S 25 | 10 21 | 9 42 | 1 27 | 7 30 | 1 27 | 19 49 | 0 48 | 18 15 | 6 46 | 18 24 | 0 36 | 0 37 | 2 1 | 12 15 | 0 31 | 19 19 | 0 37 | 3 37 | 15 42 | 14 7 | 14 30 | 18 48 | 7 42 | 6 7 |
| S 26 | 10 0 | 13 4 | 0 23 | 6 43 | 1 22 | 19 39 | 0 44 | 18 20 | 6 45 | 18 26 | 0 37 | 0 34 | 2 1 | 12 16 | 0 31 | 19 19 | 0 37 | 3 37 | 15 41 | 14 7 | 14 29 | 18 48 | 7 40 | 6 7 |
| M27 | 9 39 | 15 48 | 0n41 | 5 56 | 1 17 | 19 28 | 0 41 | 18 25 | 6 44 | 18 27 | 0 37 | 0 31 | 2 1 | 12 16 | 0 31 | 19 19 | 0 37 | 3 38 | 15 41 | 14 7 | 14 28 | 18 48 | 7 37 | 6 7 |
| T 28 | 9 18 | 17 51 | 1 43 | 5 10 | 1 12 | 19 16 | 0 38 | 18 29 | 6 43 | 18 29 | 0 37 | 0 28 | 2 1 | 12 17 | 0 31 | 19 19 | 0 37 | 3 39 | 15 40 | 14 7 | 14 27 | 18 49 | 7 35 | 6 7 |
| W29 | 8 57 | 19 7 | 2 40 | 4 23 | 1 6 | 19 4 | 0 34 | 18 33 | 6 42 | 18 31 | 0 37 | 0 26 | 2 1 | 12 18 | 0 31 | 19 20 | 0 37 | 3 39 | 15 40 | 14 7 | 14 26 | 18 49 | 7 33 | 6 7 |
| T 30 | 8 36 | 19 32 | 3 30 | 3 36 | 1 0 | 18 51 | 0 31 | 18 37 | 6 41 | 18 32 | 0 37 | 0 23 | 2 1 | 12 19 | 0 31 | 19 20 | 0 37 | 3 40 | 15 39 | 14 7 | 14 25 | 18 50 | 7 30 | 6 7 |
| F 31 | 8n14 | 19s 4 | 4n12 | 2n50 | 0n54 | 18n38 | 0s28 | 18s40 | 6s39 | 18s34 | 0s37 | 0n20 | 2n 1 | 12s20 | 0n31 | 19s20 | 0n37 | 3s41 | 15n39 | 14s 6 | 14s24 | 18s50 | 7n28 | 6s 7 |

Julian Day Number = 2810060.5, Delta T = 52m53s
Ecliptic obliquity = 23°18'36, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°28'51, Lahiri = 37°35'52


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# ASTRODIENST EPHEMERIS for the year 2981
# geocentric

## SEPTEMBER 2981 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 43 45 | 9♍44'11 | 15♉30 | 26♍36 | 5♌30 | 26°R48 | 8°R40 | 3♎57 | 4♏ 8 | 0°R27 | 24♏57 | 7°R54 | 8♏52 | 5♐36 | 24♌45 | S 1 |
| S 2 | 22 47 42 | 10°41'53 | 27°59 | 28°16 | 6°41 | 26♒34 | 8♒35 | 4° 4 | 4°11 | 0♒26 | 24°58 | 7♏47 | 8°48 | 5°43 | 24°53 | S 2 |
| M 3 | 22 51 38 | 11°39'35 | 10♒46 | 29°55 | 7°52 | 26°21 | 8°30 | 4°12 | 4°13 | 0°25 | 24°59 | 7°39 | 8°45 | 5°50 | 25° 0 | M 3 |
| T 4 | 22 55 35 | 12°37'18 | 23°54 | 1♎32 | 9° 3 | 26° 9 | 8°24 | 4°19 | 4°16 | 0°23 | 25° 0 | 7°29 | 8°42 | 5°56 | 25° 7 | T 4 |
| W 5 | 22 59 31 | 13°35'03 | 7♓20 | 3° 7 | 10°14 | 25°57 | 8°19 | 4°26 | 4°19 | 0°22 | 25° 1 | 7°20 | 8°39 | 6° 3 | 25°14 | W 5 |
| T 6 | 23 3 28 | 14°32'49 | 21° 4 | 4°41 | 11°26 | 25°45 | 8°14 | 4°33 | 4°22 | 0°21 | 25° 2 | 7°12 | 8°36 | 6°10 | 25°21 | T 6 |
| F 7 | 23 7 24 | 15°30'36 | 5♈ 1 | 6°14 | 12°37 | 25°34 | 8°10 | 4°40 | 4°24 | 0°20 | 25° 3 | 7° 6 | 8°33 | 6°16 | 25°28 | F 7 |
| S 8 | 23 11 21 | 16°28'25 | 19° 8 | 7°45 | 13°49 | 25°24 | 8° 5 | 4°48 | 4°27 | 0°19 | 25° 4 | 7° 3 | 8°29 | 6°23 | 25°35 | S 8 |
| S 9 | 23 15 18 | 17°26'15 | 3♉20 | 9°15 | 15° 0 | 25°14 | 8° 0 | 4°55 | 4°30 | 0°18 | 25° 5 | 7°D 2 | 8°26 | 6°30 | 25°43 | S 9 |
| M10 | 23 19 14 | 18°24'07 | 17°35 | 10°43 | 16°12 | 25° 5 | 7°56 | 5° 2 | 4°33 | 0°17 | 25° 6 | 7° 2 | 8°23 | 6°36 | 25°50 | M10 |
| T 11 | 23 23 11 | 19°22'01 | 1♊49 | 12°10 | 17°24 | 24°57 | 7°52 | 5° 9 | 4°36 | 0°16 | 25° 8 | 7° 3 | 8°20 | 6°43 | 25°57 | T 11 |
| W12 | 23 27 7 | 20°19'57 | 16° 0 | 13°36 | 18°36 | 24°49 | 7°48 | 5°17 | 4°39 | 0°15 | 25° 9 | 7°R 4 | 8°17 | 6°50 | 26° 4 | W12 |
| T 13 | 23 31 4 | 21°17'54 | 0♋ 8 | 15° 0 | 19°47 | 24°43 | 7°44 | 5°24 | 4°42 | 0°15 | 25°10 | 7° 4 | 8°13 | 6°56 | 26°11 | T 13 |
| F 14 | 23 35 0 | 22°15'53 | 14° 9 | 16°22 | 20°59 | 24°36 | 7°41 | 5°31 | 4°45 | 0°14 | 25°12 | 7° 2 | 8°10 | 7° 3 | 26°17 | F 14 |
| S 15 | 23 38 57 | 23°13'54 | 28° 4 | 17°43 | 22°12 | 24°31 | 7°37 | 5°39 | 4°48 | 0°13 | 25°13 | 6°58 | 8° 7 | 7°10 | 26°24 | S 15 |
| S 16 | 23 42 53 | 24°11'57 | 11♌49 | 19° 3 | 23°24 | 24°27 | 7°34 | 5°46 | 4°51 | 0°12 | 25°14 | 6°52 | 8° 4 | 7°16 | 26°31 | S 16 |
| M17 | 23 46 50 | 25°10'01 | 25°23 | 20°21 | 24°36 | 24°23 | 7°31 | 5°54 | 4°54 | 0°11 | 25°16 | 6°45 | 8° 1 | 7°23 | 26°38 | M17 |
| T 18 | 23 50 47 | 26° 8'07 | 8♍45 | 21°37 | 25°48 | 24°20 | 7°28 | 6° 1 | 4°57 | 0°11 | 25°17 | 6°39 | 7°58 | 7°30 | 26°45 | T 18 |
| W19 | 23 54 43 | 27° 6'15 | 21°51 | 22°51 | 27° 0 | 24°18 | 7°25 | 6° 9 | 5° 0 | 0°10 | 25°19 | 6°32 | 7°54 | 7°36 | 26°52 | W19 |
| T 20 | 23 58 40 | 28° 4'25 | 4♎42 | 24° 4 | 28°13 | 24°16 | 7°23 | 6°16 | 5° 3 | 0° 9 | 25°20 | 6°27 | 7°51 | 7°43 | 26°58 | T 20 |
| F 21 | 0 2 36 | 29° 2'36 | 17°17 | 25°15 | 29°25 | 24°D16 | 7°21 | 6°24 | 5° 7 | 0° 9 | 25°22 | 6°24 | 7°48 | 7°50 | 27° 5 | F 21 |
| S 22 | 0 6 33 | 0♎ 0'48 | 29°37 | 26°24 | 0♍38 | 24°16 | 7°18 | 6°31 | 5°10 | 0° 8 | 25°23 | 6°22 | 7°45 | 7°56 | 27°12 | S 22 |
| S 23 | 0 10 29 | 0°59'03 | 11♏44 | 27°31 | 1°50 | 24°17 | 7°16 | 6°39 | 5°13 | 0° 7 | 25°25 | 6°D22 | 7°42 | 8° 3 | 27°18 | S 23 |
| M24 | 0 14 26 | 1°57'18 | 23°41 | 28°35 | 3° 3 | 24°19 | 7°15 | 6°46 | 5°16 | 0° 7 | 25°27 | 6°23 | 7°38 | 8°10 | 27°25 | M24 |
| T 25 | 0 18 22 | 2°55'36 | 5♐32 | 29°38 | 4°16 | 24°22 | 7°13 | 6°54 | 5°20 | 0° 6 | 25°28 | 6°25 | 7°35 | 8°16 | 27°31 | T 25 |
| W26 | 0 22 19 | 3°53'54 | 17°21 | 0♏38 | 5°29 | 24°26 | 7°12 | 7° 1 | 5°23 | 0° 6 | 25°30 | 6°26 | 7°32 | 8°23 | 27°38 | W26 |
| T 27 | 0 26 15 | 4°52'15 | 29°12 | 1°35 | 6°41 | 24°30 | 7°11 | 7° 9 | 5°26 | 0° 5 | 25°32 | 6°27 | 7°29 | 8°30 | 27°44 | T 27 |
| F 28 | 0 30 12 | 5°50'37 | 11♉12 | 2°30 | 7°54 | 24°36 | 7°10 | 7°16 | 5°30 | 0° 5 | 25°33 | 6°R27 | 7°26 | 8°36 | 27°51 | F 28 |
| S 29 | 0 34 9 | 6°49'00 | 23°25 | 3°21 | 9° 7 | 24°42 | 7° 9 | 7°24 | 5°33 | 0° 4 | 25°35 | 6°26 | 7°23 | 8°43 | 27°57 | S 29 |
| S 30 | 0 38 5 | 7♎47'25 | 5♒54 | 4♏10 | 10♍20 | 24♒49 | 7♒ 8 | 7♎31 | 5♏37 | 0♒ 4 | 25♏37 | 6♏23 | 7♏19 | 8♐50 | 28♌ 4 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 7n53 | 17s44 | 4n43 | 2n 4 | 0n47 | 18n24 | 0s24 | 18s44 | 6s37 | 18s35 | 0s37 | 0n17 | 2n 1 | 12s21 | 0n31 | 19s21 | 0n37 | 3s42 | 15n38 | 14s 4 | 14s23 | 18s50 | 7n26 | 6s 7 | S 1 |
| S 2 | 7 31 | 15 32 | 5 1 | 1 18 | 0 40 | 18 10 | 0 21 | 18 46 | 6 35 | 18 37 | 0 37 | 0 14 | 2 1 | 12 22 | 0 31 | 19 21 | 0 37 | 3 42 | 15 38 | 14 2 | 14 22 | 18 51 | 7 23 | 6 7 | S 2 |
| M 3 | 7 9 | 12 32 | 5 5 | 0 32 | 0 33 | 17 55 | 0 18 | 18 49 | 6 33 | 18 38 | 0 37 | 0 11 | 2 1 | 12 22 | 0 31 | 19 21 | 0 37 | 3 43 | 15 37 | 13 59 | 14 21 | 18 51 | 7 21 | 6 7 | M 3 |
| T 4 | 6 47 | 8 52 | 4 53 | 0s13 | 0 25 | 17 40 | 0 15 | 18 51 | 6 30 | 18 40 | 0 37 | 0 9 | 2 1 | 12 23 | 0 31 | 19 21 | 0 37 | 3 44 | 15 36 | 13 56 | 14 19 | 18 51 | 7 18 | 6 7 | T 4 |
| W 5 | 6 25 | 4 40 | 4 25 | 0 58 | 0 18 | 17 24 | 0 11 | 18 53 | 6 28 | 18 41 | 0 37 | 0 6 | 2 1 | 12 24 | 0 31 | 19 22 | 0 37 | 3 45 | 15 36 | 13 53 | 14 18 | 18 52 | 7 16 | 6 7 | W 5 |
| T 6 | 6 3 | 0 8 | 3 41 | 1 42 | 0 10 | 17 8 | 0 8 | 18 54 | 6 25 | 18 42 | 0 37 | 0 3 | 2 1 | 12 25 | 0 31 | 19 22 | 0 37 | 3 45 | 15 35 | 13 51 | 14 17 | 18 52 | 7 14 | 6 7 | T 6 |
| F 7 | 5 41 | 4n29 | 2 44 | 2 26 | 0 2 | 16 51 | 0 5 | 18 56 | 6 23 | 18 44 | 0 37 | 0s 0 | 2 1 | 12 26 | 0 31 | 19 22 | 0 37 | 3 46 | 15 35 | 13 49 | 14 16 | 18 52 | 7 11 | 6 7 | F 7 |
| S 8 | 5 19 | 8 55 | 1 35 | 3 9 | 0s 6 | 16 34 | 0 2 | 18 56 | 6 20 | 18 45 | 0 37 | 0 3 | 2 0 | 12 27 | 0 31 | 19 22 | 0 37 | 3 47 | 15 34 | 13 48 | 14 15 | 18 53 | 7 9 | 6 7 | S 8 |
| S 9 | 4 56 | 12 52 | 0 20 | 3 52 | 0 15 | 16 16 | 0n 1 | 18 57 | 6 17 | 18 46 | 0 37 | 0 6 | 2 0 | 12 28 | 0 31 | 19 23 | 0 37 | 3 48 | 15 34 | 13 47 | 14 14 | 18 53 | 7 6 | 6 7 | S 9 |
| M10 | 4 34 | 16 5 | 0s57 | 4 34 | 0 23 | 15 58 | 0 4 | 18 57 | 6 13 | 18 47 | 0 37 | 0 9 | 2 0 | 12 29 | 0 31 | 19 23 | 0 37 | 3 49 | 15 33 | 13 47 | 14 13 | 18 53 | 7 4 | 6 7 | M10 |
| T 11 | 4 11 | 18 17 | 2 10 | 5 16 | 0 31 | 15 39 | 0 7 | 18 56 | 6 10 | 18 48 | 0 37 | 0 12 | 2 0 | 12 30 | 0 31 | 19 23 | 0 37 | 3 49 | 15 33 | 13 48 | 14 12 | 18 54 | 7 2 | 6 8 | T 11 |
| W12 | 3 49 | 19 21 | 3 15 | 5 57 | 0 40 | 15 20 | 0 11 | 18 56 | 6 7 | 18 49 | 0 37 | 0 15 | 2 0 | 12 31 | 0 31 | 19 23 | 0 37 | 3 50 | 15 32 | 13 48 | 14 11 | 18 54 | 6 59 | 6 8 | W12 |
| T 13 | 3 26 | 19 11 | 4 8 | 6 38 | 0 49 | 15 1 | 0 14 | 18 55 | 6 3 | 18 50 | 0 37 | 0 17 | 2 0 | 12 32 | 0 31 | 19 23 | 0 37 | 3 51 | 15 32 | 13 48 | 14 10 | 18 54 | 6 57 | 6 8 | T 13 |
| F 14 | 3 3 | 17 50 | 4 45 | 7 17 | 0 57 | 14 41 | 0 16 | 18 54 | 5 59 | 18 51 | 0 37 | 0 20 | 2 0 | 12 33 | 0 31 | 19 24 | 0 37 | 3 52 | 15 31 | 13 47 | 14 9 | 18 55 | 6 54 | 6 8 | F 14 |
| S 15 | 2 40 | 15 27 | 5 6 | 7 56 | 1 6 | 14 21 | 0 19 | 18 52 | 5 56 | 18 52 | 0 37 | 0 23 | 2 0 | 12 34 | 0 31 | 19 24 | 0 37 | 3 52 | 15 31 | 13 46 | 14 8 | 18 55 | 6 52 | 6 8 | S 15 |
| S 16 | 2 18 | 12 13 | 5 8 | 8 34 | 1 15 | 14 0 | 0 22 | 18 50 | 5 52 | 18 53 | 0 37 | 0 26 | 2 0 | 12 35 | 0 31 | 19 24 | 0 37 | 3 53 | 15 30 | 13 44 | 14 7 | 18 55 | 6 49 | 6 8 | S 16 |
| M17 | 1 55 | 8 23 | 4 53 | 9 12 | 1 24 | 13 39 | 0 25 | 18 47 | 5 48 | 18 54 | 0 37 | 0 29 | 2 0 | 12 36 | 0 31 | 19 24 | 0 37 | 3 54 | 15 30 | 13 42 | 14 6 | 18 56 | 6 47 | 6 9 | M17 |
| T 18 | 1 32 | 4 11 | 4 23 | 9 49 | 1 32 | 13 17 | 0 28 | 18 45 | 5 44 | 18 55 | 0 37 | 0 32 | 2 0 | 12 37 | 0 30 | 19 24 | 0 37 | 3 55 | 15 29 | 13 40 | 14 5 | 18 56 | 6 45 | 6 9 | T 18 |
| W19 | 1 9 | 0s 8 | 3 38 | 10 24 | 1 41 | 12 55 | 0 31 | 18 42 | 5 40 | 18 55 | 0 37 | 0 35 | 2 0 | 12 38 | 0 30 | 19 25 | 0 37 | 3 56 | 15 29 | 13 38 | 14 4 | 18 56 | 6 42 | 6 9 | W19 |
| T 20 | 0 46 | 4 22 | 2 44 | 10 59 | 1 50 | 12 33 | 0 33 | 18 38 | 5 36 | 18 56 | 0 37 | 0 38 | 2 0 | 12 40 | 0 30 | 19 25 | 0 37 | 3 56 | 15 28 | 13 36 | 14 3 | 18 57 | 6 40 | 6 9 | T 20 |
| F 21 | 0 23 | 8 20 | 1 42 | 11 33 | 1 58 | 12 11 | 0 36 | 18 35 | 5 32 | 18 56 | 0 38 | 0 41 | 2 0 | 12 41 | 0 30 | 19 25 | 0 37 | 3 57 | 15 28 | 13 35 | 14 2 | 18 57 | 6 37 | 6 9 | F 21 |
| S 22 | 0s 0 | 11 51 | 0 37 | 12 6 | 2 7 | 11 48 | 0 39 | 18 30 | 5 28 | 18 57 | 0 38 | 0 44 | 2 0 | 12 42 | 0 30 | 19 25 | 0 36 | 3 58 | 15 27 | 13 34 | 14 1 | 18 57 | 6 35 | 6 10 | S 22 |
| S 23 | 0 23 | 14 48 | 0n29 | 12 38 | 2 15 | 11 24 | 0 41 | 18 26 | 5 23 | 18 58 | 0 38 | 0 47 | 2 0 | 12 43 | 0 30 | 19 25 | 0 36 | 3 59 | 15 27 | 13 34 | 14 0 | 18 58 | 6 33 | 6 10 | S 23 |
| M24 | 0 46 | 17 5 | 1 33 | 13 9 | 2 23 | 11 1 | 0 44 | 18 21 | 5 19 | 18 58 | 0 38 | 0 50 | 2 0 | 12 44 | 0 30 | 19 25 | 0 36 | 4 0 | 15 26 | 13 34 | 13 59 | 18 58 | 6 30 | 6 10 | M24 |
| T 25 | 1 9 | 18 36 | 2 33 | 13 39 | 2 32 | 10 37 | 0 46 | 18 16 | 5 15 | 18 58 | 0 38 | 0 53 | 2 0 | 12 45 | 0 30 | 19 26 | 0 36 | 4 0 | 15 26 | 13 35 | 13 58 | 18 58 | 6 28 | 6 10 | T 25 |
| W26 | 1 32 | 19 18 | 3 26 | 14 7 | 2 40 | 10 13 | 0 49 | 18 11 | 5 11 | 18 59 | 0 38 | 0 55 | 2 1 | 12 46 | 0 30 | 19 26 | 0 36 | 4 1 | 15 25 | 13 36 | 13 57 | 18 58 | 6 25 | 6 10 | W26 |
| T 27 | 1 56 | 19 8 | 4 10 | 14 35 | 2 47 | 9 48 | 0 51 | 18 6 | 5 6 | 18 59 | 0 38 | 0 58 | 2 1 | 12 47 | 0 30 | 19 26 | 0 36 | 4 2 | 15 25 | 13 36 | 13 56 | 18 59 | 6 23 | 6 11 | T 27 |
| F 28 | 2 19 | 18 7 | 4 44 | 15 0 | 2 55 | 9 23 | 0 53 | 18 0 | 5 2 | 18 59 | 0 38 | 1 1 | 2 1 | 12 48 | 0 30 | 19 26 | 0 36 | 4 3 | 15 25 | 13 36 | 13 55 | 18 59 | 6 21 | 6 11 | F 28 |
| S 29 | 2 42 | 16 16 | 5 6 | 15 25 | 3 2 | 8 58 | 0 56 | 17 54 | 4 58 | 19 0 | 0 38 | 1 4 | 2 1 | 12 50 | 0 30 | 19 26 | 0 36 | 4 4 | 15 24 | 13 36 | 13 54 | 18 59 | 6 18 | 6 11 | S 29 |
| S 30 | 3s 4 | 13s37 | 5n14 | 15s48 | 3s 9 | 8n33 | 0n58 | 17s47 | 4s53 | 19s 0 | 0s38 | 1s 7 | 2n 1 | 12s51 | 0n30 | 19s26 | 0n36 | 4s 4 | 15n24 | 13s35 | 13s53 | 18s59 | 6n16 | 6s11 | S 30 |

Julian Day Number = 2810091.5, Delta T = 52m54s
Ecliptic obliquity = 23°18'37, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°28'55, Lahiri = 37°35'56


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# ASTRODIENST EPHEMERIS for the year 2981
# geocentric

## OCTOBER 2981 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 0 42 2 | 8♎45'51 | 18♒45 | 4♏55 | 11♍33 | 24♒56 | 7°R 8 | 7♎39 | 5♏40 | 0°R 4 | 25♏39 | 6°R20 | 7♏16 | 8♐56 | 28♌10 | M 1 |
| T 2 | 0 45 58 | 9°44'19 | 1♓59 | 5°36 | 12°46 | 25° 5 | 7♒ 8 | 7°46 | 5°44 | 0♒ 3 | 25°40 | 6♏16 | 7°13 | 9° 3 | 28°16 | T 2 |
| W 3 | 0 49 55 | 10°42'49 | 15°36 | 6°13 | 14° 0 | 25°14 | 7°D 8 | 7°54 | 5°47 | 0° 3 | 25°42 | 6°12 | 7°10 | 9°10 | 28°22 | W 3 |
| T 4 | 0 53 51 | 11°41'20 | 29°35 | 6°46 | 15°13 | 25°24 | 7° 8 | 8° 1 | 5°51 | 0° 3 | 25°44 | 6° 9 | 7° 7 | 9°16 | 28°28 | T 4 |
| F 5 | 0 57 48 | 12°39'53 | 13♈53 | 7°15 | 16°26 | 25°34 | 7° 8 | 8° 9 | 5°54 | 0° 3 | 25°46 | 6° 6 | 7° 4 | 9°23 | 28°34 | F 5 |
| S 6 | 1 1 44 | 13°38'28 | 28°25 | 7°38 | 17°39 | 25°46 | 7° 9 | 8°16 | 5°58 | 0° 2 | 25°48 | 6° 5 | 7° 0 | 9°30 | 28°40 | S 6 |
| S 7 | 1 5 41 | 14°37'05 | 13♉ 4 | 7°57 | 18°53 | 25°58 | 7° 9 | 8°24 | 6° 1 | 0° 2 | 25°50 | 6°D 5 | 6°57 | 9°36 | 28°46 | S 7 |
| M 8 | 1 9 38 | 15°35'44 | 27°44 | 8° 9 | 20° 6 | 26°11 | 7°10 | 8°31 | 6° 5 | 0° 2 | 25°52 | 6° 6 | 6°54 | 9°43 | 28°52 | M 8 |
| T 9 | 1 13 34 | 16°34'25 | 12♊19 | 8°16 | 21°20 | 26°24 | 7°11 | 8°39 | 6° 9 | 0° 2 | 25°54 | 6° 7 | 6°51 | 9°50 | 28°58 | T 9 |
| W10 | 1 17 31 | 17°33'09 | 26°45 | 8°R16 | 22°33 | 26°38 | 7°13 | 8°46 | 6°12 | 0° 2 | 25°56 | 6° 8 | 6°48 | 9°56 | 29° 4 | W10 |
| T 11 | 1 21 27 | 18°31'54 | 10♋58 | 8° 9 | 23°47 | 26°53 | 7°14 | 8°54 | 6°16 | 0°D 2 | 25°58 | 6° 9 | 6°44 | 10° 3 | 29°10 | T 11 |
| F 12 | 1 25 24 | 19°30'42 | 24°57 | 7°55 | 25° 1 | 27° 8 | 7°16 | 9° 1 | 6°20 | 0° 2 | 26° 0 | 6°R 9 | 6°41 | 10°10 | 29°15 | F 12 |
| S 13 | 1 29 20 | 20°29'32 | 8♌40 | 7°34 | 26°14 | 27°24 | 7°18 | 9° 8 | 6°23 | 0° 2 | 26° 2 | 6° 9 | 6°38 | 10°16 | 29°21 | S 13 |
| S 14 | 1 33 17 | 21°28'25 | 22° 8 | 7° 5 | 27°28 | 27°41 | 7°20 | 9°16 | 6°27 | 0° 2 | 26° 4 | 6° 7 | 6°35 | 10°23 | 29°27 | S 14 |
| M15 | 1 37 13 | 22°27'19 | 5♍20 | 6°28 | 28°42 | 27°58 | 7°22 | 9°23 | 6°31 | 0° 2 | 26° 6 | 6° 5 | 6°32 | 10°30 | 29°32 | M15 |
| T 16 | 1 41 10 | 23°26'16 | 18°18 | 5°45 | 29°56 | 28°16 | 7°25 | 9°31 | 6°34 | 0° 2 | 26° 8 | 6° 4 | 6°29 | 10°36 | 29°38 | T 16 |
| W17 | 1 45 7 | 24°25'14 | 1♎ 3 | 4°54 | 1♎10 | 28°35 | 7°28 | 9°38 | 6°38 | 0° 3 | 26°10 | 6° 2 | 6°25 | 10°43 | 29°43 | W17 |
| T 18 | 1 49 3 | 25°24'15 | 13°34 | 3°57 | 2°24 | 28°54 | 7°30 | 9°45 | 6°42 | 0° 3 | 26°12 | 6° 1 | 6°22 | 10°50 | 29°48 | T 18 |
| F 19 | 1 53 0 | 26°23'18 | 25°53 | 2°55 | 3°38 | 29°14 | 7°33 | 9°53 | 6°45 | 0° 3 | 26°15 | 6° 0 | 6°19 | 10°56 | 29°54 | F 19 |
| S 20 | 1 56 56 | 27°22'23 | 8♏ 2 | 1°48 | 4°52 | 29°34 | 7°37 | 10° 0 | 6°49 | 0° 3 | 26°17 | 6°D 0 | 6°16 | 11° 3 | 29°59 | S 20 |
| S 21 | 2 0 53 | 28°21'29 | 20° 2 | 0°39 | 6° 6 | 29°55 | 7°40 | 10° 7 | 6°53 | 0° 4 | 26°19 | 6° 0 | 6°13 | 11°10 | 0♍ 4 | S 21 |
| M22 | 2 4 49 | 29°20'38 | 1♐55 | 29♎29 | 7°20 | 0♓16 | 7°44 | 10°15 | 6°57 | 0° 4 | 26°21 | 6° 1 | 6°10 | 11°16 | 0° 9 | M22 |
| T 23 | 2 8 46 | 0♏19'49 | 13°44 | 28°20 | 8°34 | 0°38 | 7°47 | 10°22 | 7° 0 | 0° 4 | 26°23 | 6° 1 | 6° 6 | 11°23 | 0°14 | T 23 |
| W24 | 2 12 42 | 1°19'01 | 25°32 | 27°13 | 9°48 | 1° 0 | 7°51 | 10°29 | 7° 4 | 0° 5 | 26°26 | 6° 2 | 6° 3 | 11°30 | 0°19 | W24 |
| T 25 | 2 16 39 | 2°18'15 | 7♑24 | 26°11 | 11° 3 | 1°23 | 7°56 | 10°36 | 7° 8 | 0° 5 | 26°28 | 6° 2 | 6° 0 | 11°36 | 0°24 | T 25 |
| F 26 | 2 20 35 | 3°17'31 | 19°22 | 25°16 | 12°17 | 1°47 | 8° 0 | 10°43 | 7°12 | 0° 6 | 26°30 | 6° 3 | 5°57 | 11°43 | 0°28 | F 26 |
| S 27 | 2 24 32 | 4°16'49 | 1♒32 | 24°29 | 13°31 | 2°10 | 8° 4 | 10°50 | 7°16 | 0° 6 | 26°32 | 6°R 3 | 5°54 | 11°50 | 0°33 | S 27 |
| S 28 | 2 28 29 | 5°16'08 | 13°58 | 23°51 | 14°46 | 2°35 | 8° 9 | 10°58 | 7°19 | 0° 7 | 26°35 | 6° 3 | 5°50 | 11°56 | 0°38 | S 28 |
| M29 | 2 32 25 | 6°15'29 | 26°45 | 23°23 | 16° 0 | 3° 0 | 8°14 | 11° 5 | 7°23 | 0° 7 | 26°37 | 6°D 3 | 5°47 | 12° 3 | 0°42 | M29 |
| T 30 | 2 36 22 | 7°14'52 | 9♓55 | 23° 6 | 17°15 | 3°25 | 8°19 | 11°12 | 7°27 | 0° 8 | 26°39 | 6° 3 | 5°44 | 12°10 | 0°47 | T 30 |
| W31 | 2 40 18 | 8♏14'16 | 23♓31 | 23°D 0 | 18♎29 | 3♓50 | 8♒24 | 11♎19 | 7♏31 | 0♒ 9 | 26♏42 | 6♏ 3 | 5♏41 | 12♐16 | 0♍51 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 3s27 | 10s16 | 5n 7 | 16s 9 | 3s15 | 8n 7 | 1n 0 | 17s40 | 4s49 | 19s 0 | 0s38 | 1s10 | 2n 1 | 12s52 | 0n30 | 19s26 | 0n36 | 4s 5 | 15n23 | 13s34 | 13s52 | 19s 0 | 6n13 | 6s12 |
| T 2 | 3 50 | 6 18 | 4 43 | 16 29 | 3 22 | 7 41 | 1 2 | 17 33 | 4 44 | 19 0 | 0 38 | 1 13 | 2 1 | 12 53 | 0 30 | 19 26 | 0 36 | 4 6 | 15 23 | 13 32 | 13 51 | 19 0 | 6 11 | 6 12 |
| W 3 | 4 13 | 1 55 | 4 3 | 16 47 | 3 27 | 7 15 | 1 4 | 17 26 | 4 40 | 19 0 | 0 38 | 1 16 | 2 1 | 12 54 | 0 30 | 19 26 | 0 36 | 4 7 | 15 23 | 13 31 | 13 50 | 19 0 | 6 9 | 6 12 |
| T 4 | 4 36 | 2n43 | 3 8 | 17 3 | 3 32 | 6 49 | 1 6 | 17 19 | 4 36 | 19 0 | 0 38 | 1 19 | 2 1 | 12 55 | 0 30 | 19 27 | 0 36 | 4 8 | 15 22 | 13 30 | 13 49 | 19 0 | 6 6 | 6 13 |
| F 5 | 4 59 | 7 17 | 1 59 | 17 16 | 3 37 | 6 22 | 1 8 | 17 11 | 4 31 | 19 0 | 0 38 | 1 22 | 2 1 | 12 57 | 0 30 | 19 27 | 0 36 | 4 8 | 15 22 | 13 29 | 13 48 | 19 1 | 6 4 | 6 13 |
| S 6 | 5 21 | 11 31 | 0 42 | 17 28 | 3 41 | 5 55 | 1 10 | 17 3 | 4 27 | 19 0 | 0 38 | 1 25 | 2 1 | 12 58 | 0 30 | 19 27 | 0 36 | 4 9 | 15 21 | 13 29 | 13 47 | 19 1 | 6 2 | 6 13 |
| S 7 | 5 44 | 15 4 | 0s38 | 17 37 | 3 44 | 5 28 | 1 12 | 16 55 | 4 23 | 18 59 | 0 38 | 1 27 | 2 1 | 12 59 | 0 30 | 19 27 | 0 36 | 4 10 | 15 21 | 13 29 | 13 46 | 19 1 | 5 59 | 6 14 |
| M 8 | 6 6 | 17 39 | 1 57 | 17 43 | 3 46 | 5 1 | 1 13 | 16 46 | 4 18 | 18 59 | 0 38 | 1 30 | 2 1 | 13 0 | 0 30 | 19 27 | 0 36 | 4 11 | 15 21 | 13 29 | 13 45 | 19 1 | 5 57 | 6 14 |
| T 9 | 6 29 | 19 3 | 3 7 | 17 46 | 3 48 | 4 34 | 1 15 | 16 38 | 4 14 | 18 59 | 0 38 | 1 33 | 2 1 | 13 1 | 0 30 | 19 27 | 0 36 | 4 11 | 15 20 | 13 29 | 13 44 | 19 2 | 5 55 | 6 14 |
| W10 | 6 51 | 19 12 | 4 5 | 17 47 | 3 48 | 4 7 | 1 16 | 16 29 | 4 10 | 18 58 | 0 38 | 1 36 | 2 1 | 13 3 | 0 30 | 19 27 | 0 36 | 4 12 | 15 20 | 13 30 | 13 43 | 19 2 | 5 52 | 6 15 |
| T 11 | 7 14 | 18 6 | 4 46 | 17 44 | 3 47 | 3 39 | 1 18 | 16 20 | 4 6 | 18 58 | 0 38 | 1 39 | 2 1 | 13 4 | 0 30 | 19 27 | 0 36 | 4 13 | 15 19 | 13 30 | 13 42 | 19 2 | 5 50 | 6 15 |
| F 12 | 7 36 | 15 56 | 5 10 | 17 37 | 3 45 | 3 11 | 1 19 | 16 11 | 4 1 | 18 58 | 0 37 | 1 42 | 2 1 | 13 5 | 0 30 | 19 27 | 0 36 | 4 14 | 15 19 | 13 30 | 13 41 | 19 2 | 5 48 | 6 15 |
| S 13 | 7 58 | 12 54 | 5 16 | 17 27 | 3 41 | 2 43 | 1 21 | 16 1 | 3 57 | 18 57 | 0 37 | 1 45 | 2 1 | 13 6 | 0 30 | 19 27 | 0 36 | 4 15 | 15 19 | 13 30 | 13 39 | 19 3 | 5 46 | 6 16 |
| S 14 | 8 20 | 9 15 | 5 4 | 17 12 | 3 36 | 2 15 | 1 22 | 15 51 | 3 53 | 18 57 | 0 37 | 1 47 | 2 1 | 13 7 | 0 30 | 19 27 | 0 36 | 4 15 | 15 18 | 13 29 | 13 38 | 19 3 | 5 43 | 6 16 |
| M15 | 8 42 | 5 13 | 4 36 | 16 54 | 3 29 | 1 47 | 1 23 | 15 42 | 3 49 | 18 56 | 0 37 | 1 50 | 2 2 | 13 9 | 0 30 | 19 27 | 0 36 | 4 16 | 15 18 | 13 29 | 13 37 | 19 3 | 5 41 | 6 16 |
| T 16 | 9 3 | 1 0 | 3 55 | 16 31 | 3 20 | 1 19 | 1 24 | 15 31 | 3 45 | 18 55 | 0 37 | 1 53 | 2 2 | 13 10 | 0 30 | 19 27 | 0 36 | 4 17 | 15 18 | 13 28 | 13 36 | 19 3 | 5 39 | 6 17 |
| W17 | 9 25 | 3s12 | 3 2 | 16 4 | 3 10 | 0 51 | 1 25 | 15 21 | 3 41 | 18 55 | 0 37 | 1 56 | 2 2 | 13 11 | 0 30 | 19 27 | 0 36 | 4 18 | 15 18 | 13 28 | 13 35 | 19 3 | 5 37 | 6 17 |
| T 18 | 9 46 | 7 11 | 2 1 | 15 33 | 2 58 | 0 23 | 1 26 | 15 11 | 3 37 | 18 54 | 0 37 | 1 59 | 2 2 | 13 12 | 0 30 | 19 27 | 0 36 | 4 18 | 15 17 | 13 27 | 13 34 | 19 4 | 5 34 | 6 18 |
| F 19 | 10 8 | 10 49 | 0 56 | 14 59 | 2 44 | 0s 6 | 1 27 | 15 0 | 3 33 | 18 53 | 0 37 | 2 1 | 2 2 | 13 14 | 0 30 | 19 27 | 0 36 | 4 19 | 15 17 | 13 27 | 13 33 | 19 4 | 5 32 | 6 18 |
| S 20 | 10 29 | 13 56 | 0n11 | 14 21 | 2 28 | 0 34 | 1 28 | 14 49 | 3 29 | 18 52 | 0 37 | 2 4 | 2 2 | 13 15 | 0 30 | 19 27 | 0 36 | 4 20 | 15 17 | 13 27 | 13 32 | 19 4 | 5 30 | 6 18 |
| S 21 | 10 50 | 16 25 | 1 17 | 13 40 | 2 10 | 1 3 | 1 29 | 14 38 | 3 25 | 18 51 | 0 37 | 2 7 | 2 2 | 13 16 | 0 30 | 19 27 | 0 36 | 4 21 | 15 16 | 13 27 | 13 31 | 19 4 | 5 28 | 6 19 |
| M22 | 11 11 | 18 10 | 2 19 | 12 58 | 1 52 | 1 31 | 1 30 | 14 27 | 3 21 | 18 50 | 0 37 | 2 10 | 2 2 | 13 17 | 0 30 | 19 27 | 0 36 | 4 21 | 15 16 | 13 27 | 13 30 | 19 4 | 5 26 | 6 19 |
| T 23 | 11 32 | 19 6 | 3 15 | 12 15 | 1 32 | 2 0 | 1 30 | 14 15 | 3 17 | 18 49 | 0 37 | 2 12 | 2 2 | 13 19 | 0 30 | 19 27 | 0 36 | 4 22 | 15 16 | 13 27 | 13 29 | 19 4 | 5 24 | 6 20 |
| W24 | 11 52 | 19 12 | 4 2 | 11 32 | 1 12 | 2 28 | 1 31 | 14 4 | 3 13 | 18 48 | 0 37 | 2 15 | 2 2 | 13 20 | 0 30 | 19 27 | 0 36 | 4 23 | 15 16 | 13 28 | 13 28 | 19 5 | 5 22 | 6 20 |
| T 25 | 12 13 | 18 28 | 4 39 | 10 51 | 0 51 | 2 57 | 1 31 | 13 52 | 3 9 | 18 47 | 0 37 | 2 18 | 2 2 | 13 21 | 0 30 | 19 27 | 0 36 | 4 24 | 15 15 | 13 28 | 13 27 | 19 5 | 5 20 | 6 21 |
| F 26 | 12 33 | 16 54 | 5 5 | 10 12 | 0 30 | 3 25 | 1 32 | 13 40 | 3 5 | 18 46 | 0 37 | 2 20 | 2 3 | 13 22 | 0 30 | 19 27 | 0 35 | 4 24 | 15 15 | 13 28 | 13 26 | 19 5 | 5 18 | 6 21 |
| S 27 | 12 53 | 14 33 | 5 17 | 9 36 | 0 10 | 3 53 | 1 32 | 13 28 | 3 2 | 18 45 | 0 37 | 2 23 | 2 3 | 13 23 | 0 30 | 19 26 | 0 35 | 4 25 | 15 15 | 13 28 | 13 25 | 19 5 | 5 16 | 6 21 |
| S 28 | 13 12 | 11 31 | 5 15 | 9 4 | 0n 9 | 4 22 | 1 33 | 13 16 | 2 58 | 18 44 | 0 37 | 2 26 | 2 3 | 13 25 | 0 30 | 19 26 | 0 35 | 4 26 | 15 15 | 13 28 | 13 24 | 19 5 | 5 14 | 6 22 |
| M29 | 13 32 | 7 52 | 4 57 | 8 37 | 0 27 | 4 50 | 1 33 | 13 4 | 2 54 | 18 43 | 0 37 | 2 28 | 2 3 | 13 26 | 0 30 | 19 26 | 0 35 | 4 26 | 15 14 | 13 28 | 13 23 | 19 5 | 5 12 | 6 22 |
| T 30 | 13 51 | 3 44 | 4 24 | 8 15 | 0 44 | 5 18 | 1 33 | 12 51 | 2 51 | 18 41 | 0 37 | 2 31 | 2 3 | 13 27 | 0 30 | 19 26 | 0 35 | 4 27 | 15 14 | 13 28 | 13 22 | 19 6 | 5 10 | 6 23 |
| W31 | 14s11 | 0n44 | 3n35 | 7s59 | 0n59 | 5s46 | 1n33 | 12s39 | 2s47 | 18s40 | 0s37 | 2s34 | 2n 3 | 13s28 | 0n30 | 19s26 | 0n35 | 4s28 | 15n14 | 13s28 | 13s21 | 19s 6 | 5n 8 | 6s23 |

Julian Day Number = 2810121.5, Delta T = 52m54s
Ecliptic obliquity = 23°18'37, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'00, Lahiri = 37°36'00


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# ASTRODIENST EPHEMERIS for the year 2981
# geocentric

## NOVEMBER 2981 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 44 15 | 9♏13'42 | 7♈34 | 23♎ 6 | 19♎43 | 4♓16 | 8♒29 | 11♎26 | 7♏35 | 0♒ 9 | 26♏44 | 6♏ 3 | 5♏38 | 12♐23 | 0♑55 | T 1 |
| F 2 | 2 48 11 | 10°13'10 | 22° 1 | 23°21 | 20°58 | 4°43 | 8°35 | 11°32 | 7°38 | 0°10 | 26°46 | 6° 4 | 5°35 | 12°30 | 1° 0 | F 2 |
| S 3 | 2 52 8 | 11°12'40 | 6♉48 | 23°48 | 22°13 | 5°10 | 8°41 | 11°39 | 7°42 | 0°11 | 26°49 | 6°R 4 | 5°31 | 12°36 | 1° 4 | S 3 |
| S 4 | 2 56 4 | 12°12'12 | 21°48 | 24°23 | 23°27 | 5°37 | 8°47 | 11°46 | 7°46 | 0°11 | 26°51 | 6° 3 | 5°28 | 12°43 | 1° 8 | S 4 |
| M 5 | 3 0 1 | 13°11'46 | 6♊53 | 25° 8 | 24°42 | 6° 5 | 8°53 | 11°53 | 7°50 | 0°12 | 26°53 | 6° 3 | 5°25 | 12°50 | 1°12 | M 5 |
| T 6 | 3 3 58 | 14°11'22 | 21°53 | 26° 0 | 25°56 | 6°33 | 8°59 | 12° 0 | 7°53 | 0°13 | 26°56 | 6° 2 | 5°22 | 12°56 | 1°16 | T 6 |
| W 7 | 3 7 54 | 15°11'00 | 6♋40 | 26°59 | 27°11 | 7° 1 | 9° 5 | 12° 7 | 7°57 | 0°14 | 26°58 | 6° 1 | 5°19 | 13° 3 | 1°19 | W 7 |
| T 8 | 3 11 51 | 16°10'41 | 21° 9 | 28° 5 | 28°26 | 7°30 | 9°12 | 12°13 | 8° 1 | 0°15 | 27° 1 | 6° 0 | 5°15 | 13°10 | 1°23 | T 8 |
| F 9 | 3 15 47 | 17°10'23 | 5♌16 | 29°17 | 29°41 | 7°59 | 9°18 | 12°20 | 8° 5 | 0°16 | 27° 3 | 5°59 | 5°12 | 13°16 | 1°27 | F 9 |
| S 10 | 3 19 44 | 18°10'08 | 19° 0 | 0♏33 | 0♏55 | 8°28 | 9°25 | 12°26 | 8° 9 | 0°17 | 27° 5 | 5°D59 | 5° 9 | 13°23 | 1°30 | S 10 |
| S 11 | 3 23 40 | 19° 9'55 | 2♍21 | 1°53 | 2°10 | 8°58 | 9°32 | 12°33 | 8°12 | 0°18 | 27° 8 | 6° 0 | 5° 6 | 13°30 | 1°34 | S 11 |
| M12 | 3 27 37 | 20° 9'44 | 15°21 | 3°17 | 3°25 | 9°28 | 9°39 | 12°40 | 8°16 | 0°19 | 27°10 | 6° 0 | 5° 3 | 13°36 | 1°37 | M12 |
| T 13 | 3 31 33 | 21° 9'36 | 28° 3 | 4°44 | 4°40 | 9°58 | 9°47 | 12°46 | 8°20 | 0°20 | 27°13 | 6° 2 | 5° 0 | 13°43 | 1°40 | T 13 |
| W14 | 3 35 30 | 22° 9'29 | 10♎30 | 6°13 | 5°55 | 10°29 | 9°54 | 12°52 | 8°23 | 0°21 | 27°15 | 6° 3 | 4°56 | 13°50 | 1°44 | W14 |
| T 15 | 3 39 27 | 23° 9'24 | 22°44 | 7°44 | 7°10 | 10°59 | 10° 2 | 12°59 | 8°27 | 0°22 | 27°17 | 6° 4 | 4°53 | 13°56 | 1°47 | T 15 |
| F 16 | 3 43 23 | 24° 9'22 | 4♏50 | 9°17 | 8°25 | 11°31 | 10° 9 | 13° 5 | 8°31 | 0°23 | 27°20 | 6°R 5 | 4°50 | 14° 3 | 1°50 | F 16 |
| S 17 | 3 47 20 | 25° 9'21 | 16°48 | 10°51 | 9°40 | 12° 2 | 10°17 | 13°11 | 8°35 | 0°24 | 27°22 | 6° 4 | 4°47 | 14°10 | 1°53 | S 17 |
| S 18 | 3 51 16 | 26° 9'23 | 28°41 | 12°26 | 10°55 | 12°34 | 10°25 | 13°18 | 8°38 | 0°26 | 27°25 | 6° 3 | 4°44 | 14°16 | 1°55 | S 18 |
| M19 | 3 55 13 | 27° 9'26 | 10♐31 | 14° 2 | 12°10 | 13° 6 | 10°33 | 13°24 | 8°42 | 0°27 | 27°27 | 6° 0 | 4°41 | 14°23 | 1°58 | M19 |
| T 20 | 3 59 9 | 28° 9'31 | 22°19 | 15°38 | 13°25 | 13°38 | 10°42 | 13°30 | 8°45 | 0°28 | 27°29 | 5°57 | 4°37 | 14°30 | 2° 1 | T 20 |
| W21 | 4 3 6 | 29° 9'38 | 4♑ 9 | 17°15 | 14°40 | 14°11 | 10°50 | 13°36 | 8°49 | 0°29 | 27°32 | 5°53 | 4°34 | 14°36 | 2° 3 | W21 |
| T 22 | 4 7 2 | 0♐ 9'46 | 16° 3 | 18°52 | 15°55 | 14°43 | 10°59 | 13°42 | 8°53 | 0°31 | 27°34 | 5°49 | 4°31 | 14°43 | 2° 6 | T 22 |
| F 23 | 4 10 59 | 1° 9'56 | 28° 2 | 20°29 | 17°10 | 15°16 | 11° 7 | 13°48 | 8°56 | 0°32 | 27°37 | 5°45 | 4°28 | 14°50 | 2° 8 | F 23 |
| S 24 | 4 14 56 | 2°10'07 | 10♒12 | 22° 7 | 18°25 | 15°50 | 11°16 | 13°54 | 9° 0 | 0°33 | 27°39 | 5°42 | 4°25 | 14°56 | 2°10 | S 24 |
| S 25 | 4 18 52 | 3°10'20 | 22°35 | 23°44 | 19°40 | 16°23 | 11°25 | 13°59 | 9° 3 | 0°35 | 27°42 | 5°40 | 4°21 | 15° 3 | 2°12 | S 25 |
| M26 | 4 22 49 | 4°10'34 | 5♓15 | 25°21 | 20°55 | 16°57 | 11°34 | 14° 5 | 9° 7 | 0°36 | 27°44 | 5°D40 | 4°18 | 15°10 | 2°14 | M26 |
| T 27 | 4 26 45 | 5°10'50 | 18°17 | 26°59 | 22°10 | 17°31 | 11°44 | 14°11 | 9°11 | 0°38 | 27°46 | 5°40 | 4°15 | 15°16 | 2°16 | T 27 |
| W28 | 4 30 42 | 6°11'07 | 1♈43 | 28°36 | 23°26 | 18° 5 | 11°53 | 14°16 | 9°14 | 0°39 | 27°49 | 5°42 | 4°12 | 15°23 | 2°18 | W28 |
| T 29 | 4 34 38 | 7°11'25 | 15°37 | 0♐13 | 24°41 | 18°39 | 12° 2 | 14°22 | 9°17 | 0°41 | 27°51 | 5°43 | 4° 9 | 15°30 | 2°20 | T 29 |
| F 30 | 4 38 35 | 8♐11'45 | 29♈58 | 1♐49 | 25♏56 | 19♓14 | 12♒12 | 14♎27 | 9♏21 | 0♒42 | 27♏54 | 5°R44 | 4♏ 6 | 15♐36 | 2♑21 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 14s30 | 5n19 | 2n32 | 7s48 | 1n13 | 6s14 | 1n33 | 12s26 | 2s44 | 18s38 | 0s37 | 2s36 | 2n 3 | 13s30 | 0n30 | 19s26 | 0n35 | 4s28 | 15n14 | 13s28 | 13s20 | 19s 6 | 5n 6 | 6s24 | T 1 |
| F 2 | 14 48 | 9 44 | 1 17 | 7 43 | 1 25 | 6 42 | 1 33 | 12 13 | 2 40 | 18 37 | 0 37 | 2 39 | 2 3 | 13 31 | 0 30 | 19 26 | 0 35 | 4 29 | 15 14 | 13 28 | 13 19 | 19 6 | 5 4 | 6 24 | F 2 |
| S 3 | 15 7 | 13 39 | 0s 4 | 7 42 | 1 35 | 7 10 | 1 33 | 12 0 | 2 37 | 18 35 | 0 37 | 2 41 | 2 4 | 13 32 | 0 30 | 19 26 | 0 35 | 4 30 | 15 13 | 13 28 | 13 18 | 19 6 | 5 2 | 6 25 | S 3 |
| S 4 | 15 25 | 16 44 | 1 26 | 7 47 | 1 44 | 7 38 | 1 33 | 11 47 | 2 33 | 18 34 | 0 37 | 2 44 | 2 4 | 13 33 | 0 30 | 19 26 | 0 35 | 4 30 | 15 13 | 13 28 | 13 16 | 19 6 | 5 0 | 6 25 | S 4 |
| M 5 | 15 43 | 18 40 | 2 43 | 7 56 | 1 52 | 8 5 | 1 32 | 11 33 | 2 30 | 18 32 | 0 37 | 2 46 | 2 4 | 13 34 | 0 30 | 19 25 | 0 35 | 4 31 | 15 13 | 13 28 | 13 15 | 19 6 | 4 58 | 6 26 | M 5 |
| T 6 | 16 1 | 19 16 | 3 48 | 8 10 | 1 57 | 8 32 | 1 32 | 11 20 | 2 26 | 18 31 | 0 37 | 2 49 | 2 4 | 13 36 | 0 30 | 19 25 | 0 35 | 4 32 | 15 13 | 13 28 | 13 14 | 19 7 | 4 56 | 6 26 | T 6 |
| W 7 | 16 18 | 18 32 | 4 37 | 8 27 | 2 2 | 8 59 | 1 31 | 11 6 | 2 23 | 18 29 | 0 37 | 2 51 | 2 4 | 13 37 | 0 30 | 19 25 | 0 35 | 4 32 | 15 13 | 13 27 | 13 13 | 19 7 | 4 55 | 6 27 | W 7 |
| T 8 | 16 35 | 16 36 | 5 7 | 8 48 | 2 5 | 9 26 | 1 31 | 10 53 | 2 20 | 18 27 | 0 37 | 2 54 | 2 4 | 13 38 | 0 30 | 19 25 | 0 35 | 4 33 | 15 13 | 13 27 | 13 12 | 19 7 | 4 53 | 6 27 | T 8 |
| F 9 | 16 52 | 13 43 | 5 17 | 9 11 | 2 7 | 9 53 | 1 30 | 10 39 | 2 17 | 18 26 | 0 37 | 2 56 | 2 4 | 13 39 | 0 30 | 19 25 | 0 35 | 4 34 | 15 12 | 13 27 | 13 11 | 19 7 | 4 51 | 6 28 | F 9 |
| S 10 | 17 9 | 10 9 | 5 9 | 9 37 | 2 7 | 10 20 | 1 30 | 10 25 | 2 13 | 18 24 | 0 37 | 2 59 | 2 5 | 13 41 | 0 30 | 19 25 | 0 35 | 4 34 | 15 12 | 13 27 | 13 10 | 19 7 | 4 49 | 6 28 | S 10 |
| S 11 | 17 25 | 6 9 | 4 44 | 10 4 | 2 7 | 10 46 | 1 29 | 10 11 | 2 10 | 18 22 | 0 37 | 3 1 | 2 5 | 13 42 | 0 30 | 19 24 | 0 35 | 4 35 | 15 12 | 13 27 | 13 9 | 19 7 | 4 48 | 6 29 | S 11 |
| M12 | 17 41 | 1 58 | 4 6 | 10 34 | 2 6 | 11 12 | 1 28 | 9 57 | 2 7 | 18 20 | 0 37 | 3 3 | 2 5 | 13 43 | 0 30 | 19 24 | 0 35 | 4 35 | 15 12 | 13 27 | 13 8 | 19 7 | 4 46 | 6 29 | M12 |
| T 13 | 17 57 | 2s13 | 3 15 | 11 5 | 2 4 | 11 38 | 1 28 | 9 42 | 2 4 | 18 18 | 0 37 | 3 6 | 2 5 | 13 44 | 0 30 | 19 24 | 0 35 | 4 36 | 15 12 | 13 28 | 13 7 | 19 7 | 4 44 | 6 30 | T 13 |
| W14 | 18 13 | 6 14 | 2 17 | 11 36 | 2 2 | 12 3 | 1 27 | 9 28 | 2 1 | 18 16 | 0 37 | 3 8 | 2 5 | 13 45 | 0 30 | 19 24 | 0 35 | 4 37 | 15 12 | 13 28 | 13 6 | 19 7 | 4 43 | 6 30 | W14 |
| T 15 | 18 28 | 9 56 | 1 13 | 12 9 | 1 58 | 12 29 | 1 26 | 9 14 | 1 58 | 18 14 | 0 37 | 3 10 | 2 5 | 13 47 | 0 30 | 19 24 | 0 35 | 4 37 | 15 12 | 13 28 | 13 5 | 19 8 | 4 41 | 6 31 | T 15 |
| F 16 | 18 43 | 13 10 | 0 7 | 12 42 | 1 54 | 12 54 | 1 25 | 8 59 | 1 55 | 18 12 | 0 37 | 3 13 | 2 6 | 13 48 | 0 30 | 19 23 | 0 35 | 4 38 | 15 12 | 13 29 | 13 4 | 19 8 | 4 40 | 6 32 | F 16 |
| S 17 | 18 57 | 15 49 | 0n59 | 13 15 | 1 50 | 13 18 | 1 24 | 8 44 | 1 52 | 18 10 | 0 37 | 3 15 | 2 6 | 13 49 | 0 30 | 19 23 | 0 35 | 4 38 | 15 12 | 13 28 | 13 3 | 19 8 | 4 38 | 6 32 | S 17 |
| S 18 | 19 11 | 17 47 | 2 2 | 13 49 | 1 45 | 13 43 | 1 22 | 8 30 | 1 49 | 18 8 | 0 37 | 3 17 | 2 6 | 13 50 | 0 30 | 19 23 | 0 35 | 4 39 | 15 12 | 13 28 | 13 2 | 19 8 | 4 37 | 6 33 | S 18 |
| M19 | 19 25 | 18 57 | 2 59 | 14 22 | 1 40 | 14 7 | 1 21 | 8 15 | 1 46 | 18 5 | 0 37 | 3 19 | 2 6 | 13 51 | 0 30 | 19 23 | 0 35 | 4 39 | 15 12 | 13 27 | 13 1 | 19 8 | 4 35 | 6 33 | M19 |
| T 20 | 19 39 | 19 18 | 3 48 | 14 55 | 1 34 | 14 30 | 1 20 | 8 0 | 1 44 | 18 3 | 0 37 | 3 21 | 2 6 | 13 52 | 0 30 | 19 23 | 0 35 | 4 40 | 15 12 | 13 26 | 13 0 | 19 8 | 4 34 | 6 34 | T 20 |
| W21 | 19 52 | 18 47 | 4 27 | 15 28 | 1 29 | 14 54 | 1 19 | 7 45 | 1 41 | 18 1 | 0 37 | 3 24 | 2 6 | 13 54 | 0 30 | 19 22 | 0 35 | 4 41 | 15 12 | 13 25 | 12 59 | 19 8 | 4 32 | 6 34 | W21 |
| T 22 | 20 4 | 17 27 | 4 56 | 16 1 | 1 23 | 15 17 | 1 17 | 7 30 | 1 38 | 17 58 | 0 37 | 3 26 | 2 7 | 13 55 | 0 30 | 19 22 | 0 35 | 4 41 | 15 12 | 13 23 | 12 57 | 19 8 | 4 31 | 6 35 | T 22 |
| F 23 | 20 17 | 15 21 | 5 11 | 16 33 | 1 16 | 15 39 | 1 16 | 7 14 | 1 35 | 17 56 | 0 37 | 3 28 | 2 7 | 13 56 | 0 30 | 19 22 | 0 35 | 4 42 | 15 12 | 13 22 | 12 56 | 19 8 | 4 30 | 6 35 | F 23 |
| S 24 | 20 29 | 12 34 | 5 13 | 17 4 | 1 10 | 16 1 | 1 15 | 6 59 | 1 33 | 17 54 | 0 37 | 3 30 | 2 7 | 13 57 | 0 30 | 19 22 | 0 35 | 4 42 | 15 12 | 13 21 | 12 55 | 19 8 | 4 28 | 6 36 | S 24 |
| S 25 | 20 41 | 9 10 | 5 0 | 17 35 | 1 3 | 16 23 | 1 13 | 6 44 | 1 30 | 17 51 | 0 37 | 3 32 | 2 7 | 13 58 | 0 30 | 19 21 | 0 35 | 4 43 | 15 12 | 13 20 | 12 54 | 19 8 | 4 27 | 6 37 | S 25 |
| M26 | 20 52 | 5 18 | 4 33 | 18 5 | 0 57 | 16 44 | 1 11 | 6 28 | 1 27 | 17 49 | 0 37 | 3 34 | 2 7 | 13 59 | 0 30 | 19 21 | 0 35 | 4 43 | 15 12 | 13 20 | 12 53 | 19 8 | 4 26 | 6 37 | M26 |
| T 27 | 21 3 | 1 3 | 3 51 | 18 34 | 0 50 | 17 5 | 1 10 | 6 13 | 1 25 | 17 46 | 0 37 | 3 36 | 2 8 | 14 0 | 0 30 | 19 21 | 0 35 | 4 44 | 15 12 | 13 20 | 12 52 | 19 8 | 4 25 | 6 38 | T 27 |
| W28 | 21 13 | 3n22 | 2 56 | 19 2 | 0 43 | 17 26 | 1 8 | 5 57 | 1 22 | 17 43 | 0 37 | 3 38 | 2 8 | 14 1 | 0 30 | 19 20 | 0 35 | 4 44 | 15 12 | 13 21 | 12 51 | 19 8 | 4 23 | 6 38 | W28 |
| T 29 | 21 24 | 7 47 | 1 48 | 19 30 | 0 36 | 17 46 | 1 6 | 5 41 | 1 20 | 17 41 | 0 37 | 3 40 | 2 8 | 14 2 | 0 30 | 19 20 | 0 35 | 4 44 | 15 12 | 13 21 | 12 50 | 19 8 | 4 22 | 6 39 | T 29 |
| F 30 | 21s33 | 11n54 | 0n32 | 19s56 | 0n29 | 18s 5 | 1n 5 | 5s26 | 1s17 | 17s38 | 0s37 | 3s42 | 2n 8 | 14s 4 | 0n30 | 19s20 | 0n35 | 4s45 | 15n12 | 13s22 | 12s49 | 19s 8 | 4n21 | 6s39 | F 30 |

Julian Day Number = 2810152.5, Delta T = 52m55s
Ecliptic obliquity = 23°18'36, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'04, Lahiri = 37°36'04


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# ASTRODIENST EPHEMERIS for the year 2981
# geocentric

## DECEMBER 2981 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 42 31 | 9♐12'06 | 14♉44 | 3♐26 | 27♏11 | 19♓48 | 12♒22 | 14♎33 | 9♏24 | 0♒44 | 27♏56 | 5°R44 | 4♏ 2 | 15♐43 | 2♍23 | S 1 |
| S 2 | 4 46 28 | 10°12'28 | 29°49 | 5° 2 | 28°26 | 20°23 | 12°32 | 14°38 | 9°28 | 0°45 | 27°58 | 5♏42 | 3°59 | 15°50 | 2°24 | S 2 |
| M 3 | 4 50 25 | 11°12'53 | 15♊ 6 | 6°38 | 29°42 | 20°58 | 12°42 | 14°43 | 9°31 | 0°47 | 28° 1 | 5°39 | 3°56 | 15°57 | 2°25 | M 3 |
| T 4 | 4 54 21 | 12°13'19 | 0♋22 | 8°14 | 0♐57 | 21°34 | 12°52 | 14°48 | 9°34 | 0°49 | 28° 3 | 5°34 | 3°53 | 16° 3 | 2°27 | T 4 |
| W 5 | 4 58 18 | 13°13'46 | 15°29 | 9°50 | 2°12 | 22° 9 | 13° 2 | 14°53 | 9°38 | 0°50 | 28° 6 | 5°28 | 3°50 | 16°10 | 2°28 | W 5 |
| T 6 | 5 2 14 | 14°14'15 | 0♌17 | 11°25 | 3°27 | 22°44 | 13°12 | 14°58 | 9°41 | 0°52 | 28° 8 | 5°22 | 3°47 | 16°17 | 2°29 | T 6 |
| F 7 | 5 6 11 | 15°14'46 | 14°39 | 13° 0 | 4°43 | 23°20 | 13°23 | 15° 3 | 9°44 | 0°54 | 28°10 | 5°18 | 3°43 | 16°23 | 2°29 | F 7 |
| S 8 | 5 10 7 | 16°15'18 | 28°32 | 14°35 | 5°58 | 23°56 | 13°33 | 15° 8 | 9°48 | 0°55 | 28°13 | 5°14 | 3°40 | 16°30 | 2°30 | S 8 |
| S 9 | 5 14 4 | 17°15'52 | 11♍56 | 16°10 | 7°13 | 24°32 | 13°44 | 15°13 | 9°51 | 0°57 | 28°15 | 5°D13 | 3°37 | 16°37 | 2°31 | S 9 |
| M10 | 5 18 0 | 18°16'28 | 24°55 | 17°45 | 8°29 | 25° 8 | 13°54 | 15°18 | 9°54 | 0°59 | 28°17 | 5°13 | 3°34 | 16°43 | 2°31 | M10 |
| T 11 | 5 21 57 | 19°17'05 | 7♎31 | 19°19 | 9°44 | 25°44 | 14° 5 | 15°22 | 9°57 | 1° 1 | 28°20 | 5°14 | 3°31 | 16°50 | 2°32 | T 11 |
| W12 | 5 25 54 | 20°17'45 | 19°49 | 20°54 | 10°59 | 26°21 | 14°16 | 15°27 | 10° 0 | 1° 2 | 28°22 | 5°15 | 3°27 | 16°57 | 2°32 | W12 |
| T 13 | 5 29 50 | 21°18'25 | 1♏54 | 22°28 | 12°15 | 26°57 | 14°27 | 15°31 | 10° 3 | 1° 4 | 28°24 | 5°R16 | 3°24 | 17° 3 | 2°32 | T 13 |
| F 14 | 5 33 47 | 22°19'07 | 13°50 | 24° 2 | 13°30 | 27°34 | 14°38 | 15°36 | 10° 6 | 1° 6 | 28°26 | 5°16 | 3°21 | 17°10 | 2°33 | F 14 |
| S 15 | 5 37 43 | 23°19'51 | 25°41 | 25°36 | 14°45 | 28°11 | 14°50 | 15°40 | 10°10 | 1° 8 | 28°29 | 5°14 | 3°18 | 17°17 | 2°R33 | S 15 |
| S 16 | 5 41 40 | 24°20'36 | 7♐30 | 27°10 | 16° 1 | 28°48 | 15° 1 | 15°44 | 10°13 | 1°10 | 28°31 | 5° 9 | 3°15 | 17°23 | 2°32 | S 16 |
| M17 | 5 45 36 | 25°21'22 | 19°19 | 28°44 | 17°16 | 29°25 | 15°13 | 15°48 | 10°15 | 1°12 | 28°33 | 5° 2 | 3°12 | 17°30 | 2°32 | M17 |
| T 18 | 5 49 33 | 26°22'10 | 1♑10 | 0♑18 | 18°32 | 0♈ 2 | 15°24 | 15°53 | 10°18 | 1°14 | 28°35 | 4°52 | 3° 8 | 17°37 | 2°32 | T 18 |
| W19 | 5 53 30 | 27°22'58 | 13° 5 | 1°52 | 19°47 | 0°40 | 15°36 | 15°56 | 10°21 | 1°16 | 28°38 | 4°42 | 3° 5 | 17°43 | 2°32 | W19 |
| T 20 | 5 57 26 | 28°23'48 | 25° 5 | 3°26 | 21° 2 | 1°17 | 15°47 | 16° 0 | 10°24 | 1°18 | 28°40 | 4°31 | 3° 2 | 17°50 | 2°31 | T 20 |
| F 21 | 6 1 23 | 29°24'39 | 7♒12 | 5° 0 | 22°18 | 1°55 | 15°59 | 16° 4 | 10°27 | 1°20 | 28°42 | 4°21 | 2°59 | 17°57 | 2°30 | F 21 |
| S 22 | 6 5 19 | 0♑25'30 | 19°27 | 6°33 | 23°33 | 2°32 | 16°11 | 16° 8 | 10°30 | 1°22 | 28°44 | 4°12 | 2°56 | 18° 4 | 2°30 | S 22 |
| S 23 | 6 9 16 | 1°26'22 | 1♓53 | 8° 7 | 24°49 | 3°10 | 16°23 | 16°11 | 10°33 | 1°24 | 28°46 | 4° 5 | 2°53 | 18°10 | 2°29 | S 23 |
| M24 | 6 13 12 | 2°27'15 | 14°32 | 9°41 | 26° 4 | 3°48 | 16°35 | 16°15 | 10°35 | 1°26 | 28°48 | 4° 1 | 2°49 | 18°17 | 2°28 | M24 |
| T 25 | 6 17 9 | 3°28'09 | 27°29 | 11°15 | 27°20 | 4°26 | 16°47 | 16°18 | 10°38 | 1°28 | 28°50 | 3°59 | 2°46 | 18°24 | 2°27 | T 25 |
| W26 | 6 21 5 | 4°29'03 | 10♈46 | 12°49 | 28°35 | 5° 4 | 16°59 | 16°22 | 10°41 | 1°30 | 28°53 | 3°D59 | 2°43 | 18°30 | 2°26 | W26 |
| T 27 | 6 25 2 | 5°29'58 | 24°26 | 14°23 | 29°51 | 5°42 | 17°12 | 16°25 | 10°43 | 1°32 | 28°55 | 4° 0 | 2°40 | 18°37 | 2°24 | T 27 |
| F 28 | 6 28 59 | 6°30'54 | 8♉32 | 15°57 | 1♑ 6 | 6°20 | 17°24 | 16°28 | 10°46 | 1°34 | 28°57 | 4°R 0 | 2°37 | 18°44 | 2°23 | F 28 |
| S 29 | 6 32 55 | 7°31'50 | 23° 3 | 17°31 | 2°22 | 6°58 | 17°36 | 16°31 | 10°48 | 1°36 | 28°59 | 3°59 | 2°33 | 18°50 | 2°22 | S 29 |
| S 30 | 6 36 52 | 8°32'47 | 7♊55 | 19° 5 | 3°37 | 7°37 | 17°49 | 16°34 | 10°51 | 1°38 | 29° 1 | 3°55 | 2°30 | 18°57 | 2°20 | S 30 |
| M31 | 6 40 48 | 9♑33'44 | 23♊ 4 | 20♑39 | 4♑52 | 8♈15 | 18♒ 2 | 16♎37 | 10♏53 | 1♒40 | 29♏ 3 | 3♏48 | 2♏27 | 19♐ 4 | 2♍18 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s43 | 15n23 | 0s49 | 20s22 | 0n22 | 18s24 | 1n 3 | 5s10 | 1s15 | 17s35 | 0s37 | 3s44 | 2n 8 | 14s 5 | 0n30 | 19s19 | 0n34 | 4s45 | 15n12 | 13s22 | 12s48 | 19s 8 | 4n20 | 6s40 |
| S 2 | 21 52 | 17 55 | 2 8 | 20 46 | 0 15 | 18 43 | 1 1 | 4 54 | 1 12 | 17 33 | 0 37 | 3 45 | 2 9 | 14 6 | 0 30 | 19 19 | 0 34 | 4 46 | 15 12 | 13 21 | 12 47 | 19 9 | 4 19 | 6 41 |
| M 3 | 22 0 | 19 12 | 3 18 | 21 10 | 0 8 | 19 1 | 0 59 | 4 38 | 1 10 | 17 30 | 0 37 | 3 47 | 2 9 | 14 7 | 0 30 | 19 19 | 0 34 | 4 46 | 15 12 | 13 20 | 12 46 | 19 9 | 4 18 | 6 41 |
| T 4 | 22 8 | 19 4 | 4 15 | 21 32 | 0 1 | 19 18 | 0 57 | 4 22 | 1 8 | 17 27 | 0 37 | 3 49 | 2 9 | 14 8 | 0 30 | 19 18 | 0 34 | 4 47 | 15 12 | 13 18 | 12 45 | 19 9 | 4 17 | 6 42 |
| W 5 | 22 16 | 17 35 | 4 52 | 21 54 | 0s 5 | 19 35 | 0 55 | 4 6 | 1 5 | 17 24 | 0 37 | 3 51 | 2 9 | 14 9 | 0 30 | 19 18 | 0 34 | 4 47 | 15 12 | 13 16 | 12 44 | 19 9 | 4 16 | 6 42 |
| T 6 | 22 23 | 14 56 | 5 10 | 22 14 | 0 12 | 19 52 | 0 53 | 3 50 | 1 3 | 17 21 | 0 37 | 3 53 | 2 9 | 14 10 | 0 30 | 19 18 | 0 34 | 4 47 | 15 12 | 13 15 | 12 42 | 19 9 | 4 15 | 6 43 |
| F 7 | 22 30 | 11 27 | 5 7 | 22 33 | 0 19 | 20 8 | 0 51 | 3 34 | 1 1 | 17 18 | 0 37 | 3 54 | 2 10 | 14 11 | 0 30 | 19 17 | 0 34 | 4 48 | 15 12 | 13 13 | 12 41 | 19 9 | 4 14 | 6 44 |
| S 8 | 22 36 | 7 27 | 4 46 | 22 51 | 0 26 | 20 23 | 0 49 | 3 18 | 0 58 | 17 15 | 0 37 | 3 56 | 2 10 | 14 12 | 0 30 | 19 17 | 0 34 | 4 48 | 15 12 | 13 12 | 12 40 | 19 9 | 4 14 | 6 44 |
| S 9 | 22 42 | 3 12 | 4 9 | 23 8 | 0 32 | 20 38 | 0 47 | 3 1 | 0 56 | 17 12 | 0 37 | 3 58 | 2 10 | 14 13 | 0 30 | 19 17 | 0 34 | 4 48 | 15 12 | 13 11 | 12 39 | 19 9 | 4 13 | 6 45 |
| M10 | 22 48 | 1s 4 | 3 21 | 23 23 | 0 39 | 20 52 | 0 45 | 2 45 | 0 54 | 17 9 | 0 37 | 3 59 | 2 10 | 14 14 | 0 30 | 19 16 | 0 34 | 4 49 | 15 13 | 13 11 | 12 38 | 19 9 | 4 12 | 6 45 |
| T 11 | 22 53 | 5 11 | 2 25 | 23 38 | 0 45 | 21 5 | 0 43 | 2 29 | 0 52 | 17 6 | 0 37 | 4 1 | 2 11 | 14 15 | 0 30 | 19 16 | 0 34 | 4 49 | 15 13 | 13 12 | 12 37 | 19 9 | 4 11 | 6 46 |
| W12 | 22 57 | 8 59 | 1 23 | 23 51 | 0 51 | 21 18 | 0 40 | 2 12 | 0 50 | 17 3 | 0 37 | 4 2 | 2 11 | 14 16 | 0 30 | 19 16 | 0 34 | 4 49 | 15 13 | 13 12 | 12 36 | 19 9 | 4 11 | 6 46 |
| T 13 | 23 2 | 12 21 | 0 18 | 24 3 | 0 57 | 21 30 | 0 38 | 1 56 | 0 48 | 17 0 | 0 37 | 4 4 | 2 11 | 14 17 | 0 30 | 19 15 | 0 34 | 4 50 | 15 13 | 13 13 | 12 35 | 19 9 | 4 10 | 6 47 |
| F 14 | 23 5 | 15 10 | 0n46 | 24 14 | 1 3 | 21 42 | 0 36 | 1 40 | 0 46 | 16 56 | 0 37 | 4 5 | 2 11 | 14 18 | 0 30 | 19 15 | 0 34 | 4 50 | 15 13 | 13 12 | 12 34 | 19 9 | 4 10 | 6 48 |
| S 15 | 23 9 | 17 20 | 1 48 | 24 23 | 1 9 | 21 53 | 0 34 | 1 23 | 0 44 | 16 53 | 0 37 | 4 7 | 2 12 | 14 19 | 0 30 | 19 15 | 0 34 | 4 50 | 15 13 | 13 12 | 12 33 | 19 9 | 4 9 | 6 48 |
| S 16 | 23 11 | 18 44 | 2 45 | 24 31 | 1 14 | 22 4 | 0 31 | 1 7 | 0 42 | 16 50 | 0 37 | 4 8 | 2 12 | 14 20 | 0 30 | 19 14 | 0 34 | 4 51 | 15 13 | 13 10 | 12 32 | 19 9 | 4 9 | 6 49 |
| M17 | 23 14 | 19 19 | 3 34 | 24 38 | 1 20 | 22 13 | 0 29 | 0 50 | 0 40 | 16 46 | 0 37 | 4 9 | 2 12 | 14 21 | 0 30 | 19 14 | 0 34 | 4 51 | 15 14 | 13 8 | 12 31 | 19 9 | 4 8 | 6 49 |
| T 18 | 23 16 | 19 4 | 4 15 | 24 44 | 1 25 | 22 22 | 0 27 | 0 34 | 0 38 | 16 43 | 0 37 | 4 11 | 2 12 | 14 21 | 0 30 | 19 13 | 0 34 | 4 51 | 15 14 | 13 5 | 12 30 | 19 8 | 4 8 | 6 50 |
| W19 | 23 17 | 17 57 | 4 44 | 24 48 | 1 30 | 22 31 | 0 24 | 0 17 | 0 36 | 16 40 | 0 37 | 4 12 | 2 13 | 14 22 | 0 30 | 19 13 | 0 34 | 4 51 | 15 14 | 13 1 | 12 29 | 19 8 | 4 7 | 6 50 |
| T 20 | 23 18 | 16 4 | 5 1 | 24 51 | 1 35 | 22 39 | 0 22 | 0 1 | 0 34 | 16 36 | 0 37 | 4 13 | 2 13 | 14 23 | 0 30 | 19 13 | 0 34 | 4 52 | 15 14 | 12 57 | 12 27 | 19 8 | 4 7 | 6 51 |
| F 21 | 23 18 | 13 27 | 5 5 | 24 53 | 1 40 | 22 46 | 0 20 | 0n16 | 0 32 | 16 33 | 0 37 | 4 14 | 2 13 | 14 24 | 0 30 | 19 12 | 0 34 | 4 52 | 15 14 | 12 54 | 12 26 | 19 8 | 4 7 | 6 51 |
| S 22 | 23 19 | 10 14 | 4 55 | 24 53 | 1 44 | 22 52 | 0 17 | 0 33 | 0 30 | 16 29 | 0 37 | 4 15 | 2 13 | 14 25 | 0 30 | 19 12 | 0 34 | 4 52 | 15 15 | 12 51 | 12 25 | 19 8 | 4 6 | 6 52 |
| S 23 | 23 18 | 6 32 | 4 30 | 24 52 | 1 48 | 22 58 | 0 15 | 0 49 | 0 28 | 16 26 | 0 37 | 4 17 | 2 14 | 14 26 | 0 30 | 19 11 | 0 34 | 4 52 | 15 15 | 12 49 | 12 24 | 19 8 | 4 6 | 6 53 |
| M24 | 23 17 | 2 28 | 3 53 | 24 49 | 1 52 | 23 3 | 0 12 | 1 6 | 0 27 | 16 22 | 0 37 | 4 18 | 2 14 | 14 27 | 0 30 | 19 11 | 0 34 | 4 52 | 15 15 | 12 47 | 12 23 | 19 8 | 4 6 | 6 53 |
| T 25 | 23 16 | 1n48 | 3 2 | 24 46 | 1 56 | 23 7 | 0 10 | 1 22 | 0 25 | 16 18 | 0 37 | 4 19 | 2 14 | 14 27 | 0 30 | 19 10 | 0 34 | 4 53 | 15 15 | 12 47 | 12 22 | 19 8 | 4 6 | 6 54 |
| W26 | 23 14 | 6 6 | 2 1 | 24 40 | 1 59 | 23 11 | 0 8 | 1 39 | 0 23 | 16 15 | 0 37 | 4 20 | 2 14 | 14 28 | 0 30 | 19 10 | 0 34 | 4 53 | 15 16 | 12 47 | 12 21 | 19 8 | 4 6 | 6 54 |
| T 27 | 23 12 | 10 13 | 0 51 | 24 34 | 2 2 | 23 13 | 0 5 | 1 56 | 0 21 | 16 11 | 0 37 | 4 21 | 2 15 | 14 29 | 0 30 | 19 10 | 0 34 | 4 53 | 15 16 | 12 47 | 12 20 | 19 8 | 4 6 | 6 55 |
| F 28 | 23 9 | 13 53 | 0s24 | 24 26 | 2 5 | 23 16 | 0 3 | 2 12 | 0 20 | 16 7 | 0 37 | 4 22 | 2 15 | 14 30 | 0 30 | 19 9 | 0 34 | 4 53 | 15 16 | 12 47 | 12 19 | 19 8 | 4 6 | 6 55 |
| S 29 | 23 6 | 16 49 | 1 40 | 24 17 | 2 7 | 23 17 | 0 0 | 2 29 | 0 18 | 16 4 | 0 37 | 4 23 | 2 15 | 14 30 | 0 30 | 19 9 | 0 34 | 4 53 | 15 16 | 12 47 | 12 18 | 19 8 | 4 6 | 6 56 |
| S 30 | 23 2 | 18 43 | 2 50 | 24 6 | 2 10 | 23 18 | 0s 2 | 2 45 | 0 16 | 16 0 | 0 37 | 4 23 | 2 15 | 14 31 | 0 30 | 19 8 | 0 34 | 4 53 | 15 17 | 12 45 | 12 17 | 19 8 | 4 6 | 6 56 |
| M31 | 22s58 | 19n18 | 3s50 | 23s54 | 2s11 | 23s18 | 0s 4 | 3n 2 | 0s15 | 15s56 | 0s37 | 4s24 | 2n16 | 14s32 | 0n30 | 19s 8 | 0n34 | 4s53 | 15n17 | 12s43 | 12s16 | 19s 8 | 4n 6 | 6s57 |

Julian Day Number = 2810182.5, Delta T = 52m55s
Ecliptic obliquity = 23°18'35, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'08, Lahiri = 37°36'08


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# ASTRODIENST EPHEMERIS for the year 2982
# geocentric

## JANUARY 2982 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 44 45 | 10♑34'42 | 8♋20 | 22♑12 | 6♑ 8 | 8♈54 | 18♒14 | 16♎39 | 10♏55 | 1♒42 | 29♏ 5 | 3°R39 | 2♏24 | 19♐10 | 2°R17 | T 1 |
| W 2 | 6 48 41 | 11°35'40 | 23°31 | 23°46 | 7°23 | 9°32 | 18°27 | 16°42 | 10°58 | 1°45 | 29° 7 | 3♏29 | 2°21 | 19°17 | 2♍15 | W 2 |
| T 3 | 6 52 38 | 12°36'40 | 8♌27 | 25°20 | 8°39 | 10°11 | 18°40 | 16°44 | 11° 0 | 1°47 | 29° 8 | 3°18 | 2°18 | 19°24 | 2°13 | T 3 |
| F 4 | 6 56 34 | 13°37'40 | 23° 0 | 26°53 | 9°54 | 10°50 | 18°53 | 16°47 | 11° 2 | 1°49 | 29°10 | 3° 8 | 2°14 | 19°30 | 2°11 | F 4 |
| S 5 | 7 0 31 | 14°38'41 | 7♍ 4 | 28°26 | 11°10 | 11°29 | 19° 6 | 16°49 | 11° 4 | 1°51 | 29°12 | 3° 1 | 2°11 | 19°37 | 2° 9 | S 5 |
| S 6 | 7 4 28 | 15°39'42 | 20°37 | 29°59 | 12°25 | 12° 7 | 19°18 | 16°51 | 11° 7 | 1°53 | 29°14 | 2°56 | 2° 8 | 19°44 | 2° 6 | S 6 |
| M 7 | 7 8 24 | 16°40'44 | 3♎42 | 1♒31 | 13°41 | 12°46 | 19°32 | 16°53 | 11° 9 | 1°56 | 29°16 | 2°53 | 2° 5 | 19°50 | 2° 4 | M 7 |
| T 8 | 7 12 21 | 17°41'47 | 16°21 | 3° 3 | 14°56 | 13°25 | 19°45 | 16°55 | 11°11 | 1°58 | 29°18 | 2°D52 | 2° 2 | 19°57 | 2° 2 | T 8 |
| W 9 | 7 16 17 | 18°42'51 | 28°39 | 4°34 | 16°12 | 14° 4 | 19°58 | 16°57 | 11°13 | 2° 0 | 29°19 | 2°R53 | 1°59 | 20° 4 | 1°59 | W 9 |
| T 10 | 7 20 14 | 19°43'56 | 10♏42 | 6° 5 | 17°27 | 14°43 | 20°11 | 16°59 | 11°15 | 2° 2 | 29°21 | 2°52 | 1°55 | 20°11 | 1°57 | T 10 |
| F 11 | 7 24 10 | 20°45'01 | 22°35 | 7°34 | 18°43 | 15°22 | 20°24 | 17° 1 | 11°17 | 2° 4 | 29°23 | 2°51 | 1°52 | 20°17 | 1°54 | F 11 |
| S 12 | 7 28 7 | 21°46'07 | 4♐24 | 9° 2 | 19°58 | 16° 2 | 20°38 | 17° 2 | 11°18 | 2° 7 | 29°25 | 2°47 | 1°49 | 20°24 | 1°51 | S 12 |
| S 13 | 7 32 3 | 22°47'13 | 16°11 | 10°28 | 21°14 | 16°41 | 20°51 | 17° 4 | 11°20 | 2° 9 | 29°26 | 2°40 | 1°46 | 20°31 | 1°48 | S 13 |
| M14 | 7 36 0 | 23°48'20 | 28° 2 | 11°52 | 22°29 | 17°20 | 21° 4 | 17° 5 | 11°22 | 2°11 | 29°28 | 2°30 | 1°43 | 20°37 | 1°45 | M14 |
| T 15 | 7 39 57 | 24°49'27 | 9♑57 | 13°14 | 23°45 | 17°59 | 21°18 | 17° 7 | 11°24 | 2°13 | 29°29 | 2°17 | 1°39 | 20°44 | 1°42 | T 15 |
| W16 | 7 43 53 | 25°50'34 | 22° 0 | 14°34 | 25° 0 | 18°39 | 21°31 | 17° 8 | 11°25 | 2°16 | 29°31 | 2° 3 | 1°36 | 20°51 | 1°39 | W16 |
| T 17 | 7 47 50 | 26°51'41 | 4♒11 | 15°50 | 26°16 | 19°18 | 21°45 | 17° 9 | 11°27 | 2°18 | 29°33 | 1°48 | 1°33 | 20°57 | 1°36 | T 17 |
| F 18 | 7 51 46 | 27°52'49 | 16°30 | 17° 2 | 27°31 | 19°58 | 21°59 | 17°10 | 11°28 | 2°20 | 29°34 | 1°34 | 1°30 | 21° 4 | 1°33 | F 18 |
| S 19 | 7 55 43 | 28°53'56 | 28°59 | 18°10 | 28°47 | 20°37 | 22°12 | 17°10 | 11°30 | 2°23 | 29°36 | 1°21 | 1°27 | 21°11 | 1°29 | S 19 |
| S 20 | 7 59 39 | 29°55'04 | 11♓37 | 19°13 | 0♒ 2 | 21°17 | 22°26 | 17°11 | 11°31 | 2°25 | 29°37 | 1°11 | 1°24 | 21°17 | 1°26 | S 20 |
| M21 | 8 3 36 | 0♒56'11 | 24°27 | 20°10 | 1°18 | 21°56 | 22°40 | 17°12 | 11°33 | 2°27 | 29°38 | 1° 5 | 1°20 | 21°24 | 1°22 | M21 |
| T 22 | 8 7 32 | 1°57'18 | 7♈29 | 21° 1 | 2°33 | 22°36 | 22°53 | 17°12 | 11°34 | 2°29 | 29°40 | 1° 1 | 1°17 | 21°31 | 1°19 | T 22 |
| W23 | 8 11 29 | 2°58'24 | 20°46 | 21°44 | 3°49 | 23°16 | 23° 7 | 17°13 | 11°35 | 2°32 | 29°41 | 1° 0 | 1°14 | 21°38 | 1°15 | W23 |
| T 24 | 8 15 26 | 3°59'30 | 4♉20 | 22°18 | 5° 4 | 23°55 | 23°21 | 17°13 | 11°37 | 2°34 | 29°43 | 1° 0 | 1°11 | 21°44 | 1°12 | T 24 |
| F 25 | 8 19 22 | 5° 0'36 | 18°13 | 22°43 | 6°20 | 24°35 | 23°35 | 17°13 | 11°38 | 2°36 | 29°44 | 0°59 | 1° 8 | 21°51 | 1° 8 | F 25 |
| S 26 | 8 23 19 | 6° 1'41 | 2♊26 | 22°58 | 7°35 | 25°15 | 23°49 | 17°R13 | 11°39 | 2°38 | 29°45 | 0°57 | 1° 5 | 21°58 | 1° 4 | S 26 |
| S 27 | 8 27 15 | 7° 2'46 | 16°57 | 23°R 2 | 8°51 | 25°55 | 24° 3 | 17°13 | 11°40 | 2°41 | 29°46 | 0°53 | 1° 1 | 22° 4 | 1° 0 | S 27 |
| M28 | 8 31 12 | 8° 3'50 | 1♋44 | 22°55 | 10° 6 | 26°34 | 24°17 | 17°13 | 11°41 | 2°43 | 29°48 | 0°46 | 0°58 | 22°11 | 0°56 | M28 |
| T 29 | 8 35 8 | 9° 4'54 | 16°39 | 22°35 | 11°22 | 27°14 | 24°31 | 17°13 | 11°42 | 2°45 | 29°49 | 0°36 | 0°55 | 22°18 | 0°52 | T 29 |
| W30 | 8 39 5 | 10° 5'57 | 1♌35 | 22° 4 | 12°37 | 27°54 | 24°45 | 17°12 | 11°43 | 2°48 | 29°50 | 0°25 | 0°52 | 22°24 | 0°48 | W30 |
| T 31 | 8 43 1 | 11♒ 7'00 | 16♌21 | 21♒22 | 13♒53 | 28♈34 | 24♒59 | 17♎12 | 11♏44 | 2♒50 | 29♏51 | 0♏13 | 0♏49 | 22♐31 | 0♍44 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s53 | 18n30 | 4s34 | 23s40 | 2s13 | 23s17 | 0s 7 | 3n19 | 0s13 | 15s52 | 0s37 | 4s25 | 2n16 | 14s33 | 0n30 | 19s 7 | 0n34 | 4s54 | 15n17 | 12s40 | 12s14 | 19s 8 | 4n 6 | 6s57 |
| W 2 | 22 48 | 16 23 | 4 58 | 23 26 | 2 14 | 23 16 | 0 9 | 3 35 | 0 11 | 15 48 | 0 37 | 4 26 | 2 16 | 14 33 | 0 30 | 19 7 | 0 34 | 4 54 | 15 18 | 12 36 | 12 13 | 19 8 | 4 6 | 6 58 |
| T 3 | 22 43 | 13 12 | 5 1 | 23 9 | 2 14 | 23 13 | 0 12 | 3 52 | 0 10 | 15 44 | 0 37 | 4 26 | 2 17 | 14 34 | 0 30 | 19 6 | 0 34 | 4 54 | 15 18 | 12 33 | 12 12 | 19 8 | 4 7 | 6 58 |
| F 4 | 22 37 | 9 17 | 4 45 | 22 52 | 2 14 | 23 11 | 0 14 | 4 8 | 0 8 | 15 40 | 0 37 | 4 27 | 2 17 | 14 35 | 0 30 | 19 6 | 0 34 | 4 54 | 15 18 | 12 30 | 12 11 | 19 7 | 4 7 | 6 59 |
| S 5 | 22 31 | 4 59 | 4 11 | 22 33 | 2 14 | 23 7 | 0 16 | 4 25 | 0 7 | 15 36 | 0 37 | 4 28 | 2 17 | 14 35 | 0 30 | 19 5 | 0 34 | 4 54 | 15 19 | 12 27 | 12 10 | 19 7 | 4 7 | 6 59 |
| S 6 | 22 24 | 0 34 | 3 25 | 22 13 | 2 13 | 23 3 | 0 19 | 4 41 | 0 5 | 15 32 | 0 37 | 4 28 | 2 17 | 14 36 | 0 30 | 19 5 | 0 34 | 4 54 | 15 19 | 12 25 | 12 9 | 19 7 | 4 8 | 6 59 |
| M 7 | 22 17 | 3s44 | 2 28 | 21 51 | 2 12 | 22 58 | 0 21 | 4 58 | 0 4 | 15 28 | 0 37 | 4 29 | 2 18 | 14 37 | 0 30 | 19 5 | 0 34 | 4 54 | 15 19 | 12 24 | 12 8 | 19 7 | 4 8 | 7 0 |
| T 8 | 22 9 | 7 44 | 1 27 | 21 28 | 2 10 | 22 52 | 0 23 | 5 14 | 0 2 | 15 24 | 0 37 | 4 29 | 2 18 | 14 37 | 0 30 | 19 4 | 0 34 | 4 54 | 15 20 | 12 24 | 12 7 | 19 7 | 4 8 | 7 0 |
| W 9 | 22 1 | 11 17 | 0 22 | 21 4 | 2 7 | 22 46 | 0 26 | 5 30 | 0 1 | 15 20 | 0 37 | 4 30 | 2 18 | 14 38 | 0 30 | 19 4 | 0 34 | 4 54 | 15 20 | 12 24 | 12 6 | 19 7 | 4 9 | 7 1 |
| T 10 | 21 52 | 14 18 | 0n41 | 20 39 | 2 4 | 22 38 | 0 28 | 5 47 | 0n 0 | 15 16 | 0 37 | 4 30 | 2 18 | 14 38 | 0 30 | 19 3 | 0 34 | 4 54 | 15 20 | 12 24 | 12 5 | 19 7 | 4 9 | 7 1 |
| F 11 | 21 43 | 16 40 | 1 43 | 20 13 | 2 0 | 22 31 | 0 30 | 6 3 | 0 2 | 15 12 | 0 37 | 4 31 | 2 19 | 14 39 | 0 30 | 19 3 | 0 34 | 4 54 | 15 21 | 12 24 | 12 4 | 19 7 | 4 10 | 7 2 |
| S 12 | 21 34 | 18 18 | 2 39 | 19 46 | 1 55 | 22 22 | 0 33 | 6 19 | 0 3 | 15 8 | 0 37 | 4 31 | 2 19 | 14 40 | 0 30 | 19 2 | 0 34 | 4 54 | 15 21 | 12 22 | 12 2 | 19 7 | 4 11 | 7 2 |
| S 13 | 21 24 | 19 9 | 3 28 | 19 17 | 1 50 | 22 13 | 0 35 | 6 35 | 0 5 | 15 3 | 0 37 | 4 31 | 2 19 | 14 40 | 0 30 | 19 2 | 0 34 | 4 54 | 15 21 | 12 20 | 12 1 | 19 7 | 4 11 | 7 2 |
| M14 | 21 14 | 19 10 | 4 8 | 18 48 | 1 44 | 22 3 | 0 37 | 6 52 | 0 6 | 14 59 | 0 37 | 4 31 | 2 20 | 14 41 | 0 30 | 19 1 | 0 34 | 4 54 | 15 22 | 12 16 | 12 0 | 19 6 | 4 12 | 7 3 |
| T 15 | 21 3 | 18 19 | 4 38 | 18 18 | 1 37 | 21 53 | 0 39 | 7 8 | 0 7 | 14 55 | 0 37 | 4 32 | 2 20 | 14 41 | 0 30 | 19 1 | 0 34 | 4 54 | 15 22 | 12 12 | 11 59 | 19 6 | 4 13 | 7 3 |
| W16 | 20 52 | 16 40 | 4 55 | 17 48 | 1 29 | 21 41 | 0 41 | 7 24 | 0 8 | 14 51 | 0 37 | 4 32 | 2 20 | 14 42 | 0 30 | 19 0 | 0 34 | 4 54 | 15 22 | 12 7 | 11 58 | 19 6 | 4 13 | 7 3 |
| T 17 | 20 40 | 14 15 | 4 59 | 17 17 | 1 21 | 21 30 | 0 43 | 7 40 | 0 10 | 14 46 | 0 37 | 4 32 | 2 20 | 14 42 | 0 30 | 19 0 | 0 34 | 4 54 | 15 23 | 12 2 | 11 57 | 19 6 | 4 14 | 7 4 |
| F 18 | 20 28 | 11 12 | 4 50 | 16 46 | 1 11 | 21 17 | 0 45 | 7 56 | 0 11 | 14 42 | 0 38 | 4 32 | 2 21 | 14 43 | 0 30 | 18 59 | 0 34 | 4 54 | 15 23 | 11 57 | 11 56 | 19 6 | 4 15 | 7 4 |
| S 19 | 20 16 | 7 36 | 4 26 | 16 16 | 1 0 | 21 4 | 0 47 | 8 12 | 0 12 | 14 38 | 0 38 | 4 32 | 2 21 | 14 43 | 0 30 | 18 59 | 0 34 | 4 53 | 15 24 | 11 53 | 11 55 | 19 6 | 4 16 | 7 4 |
| S 20 | 20 3 | 3 38 | 3 49 | 15 45 | 0 49 | 20 50 | 0 49 | 8 28 | 0 13 | 14 33 | 0 38 | 4 32 | 2 21 | 14 43 | 0 31 | 18 58 | 0 34 | 4 53 | 15 24 | 11 49 | 11 54 | 19 6 | 4 17 | 7 5 |
| M21 | 19 50 | 0n34 | 3 0 | 15 15 | 0 36 | 20 36 | 0 51 | 8 44 | 0 15 | 14 29 | 0 38 | 4 32 | 2 22 | 14 44 | 0 31 | 18 58 | 0 34 | 4 53 | 15 24 | 11 47 | 11 53 | 19 5 | 4 18 | 7 5 |
| T 22 | 19 37 | 4 48 | 2 1 | 14 46 | 0 22 | 20 21 | 0 53 | 8 59 | 0 16 | 14 24 | 0 38 | 4 32 | 2 22 | 14 44 | 0 31 | 18 57 | 0 34 | 4 53 | 15 25 | 11 46 | 11 52 | 19 5 | 4 19 | 7 5 |
| W23 | 19 23 | 8 54 | 0 54 | 14 19 | 0 8 | 20 5 | 0 55 | 9 15 | 0 17 | 14 20 | 0 38 | 4 32 | 2 22 | 14 45 | 0 31 | 18 57 | 0 34 | 4 53 | 15 25 | 11 45 | 11 50 | 19 5 | 4 20 | 7 6 |
| T 24 | 19 9 | 12 37 | 0s18 | 13 53 | 0n 8 | 19 49 | 0 57 | 9 31 | 0 18 | 14 15 | 0 38 | 4 32 | 2 22 | 14 45 | 0 31 | 18 56 | 0 34 | 4 53 | 15 26 | 11 45 | 11 49 | 19 5 | 4 21 | 7 6 |
| F 25 | 18 55 | 15 43 | 1 30 | 13 29 | 0 24 | 19 32 | 0 59 | 9 46 | 0 19 | 14 11 | 0 38 | 4 32 | 2 23 | 14 45 | 0 31 | 18 56 | 0 34 | 4 53 | 15 26 | 11 45 | 11 48 | 19 5 | 4 22 | 7 6 |
| S 26 | 18 40 | 17 57 | 2 38 | 13 8 | 0 42 | 19 15 | 1 1 | 10 2 | 0 20 | 14 6 | 0 38 | 4 31 | 2 23 | 14 46 | 0 31 | 18 55 | 0 34 | 4 52 | 15 27 | 11 45 | 11 47 | 19 5 | 4 23 | 7 6 |
| S 27 | 18 25 | 19 4 | 3 37 | 12 49 | 1 0 | 18 57 | 1 2 | 10 17 | 0 21 | 14 2 | 0 38 | 4 31 | 2 23 | 14 46 | 0 31 | 18 55 | 0 34 | 4 52 | 15 27 | 11 43 | 11 46 | 19 5 | 4 24 | 7 6 |
| M28 | 18 9 | 18 55 | 4 23 | 12 35 | 1 18 | 18 39 | 1 4 | 10 33 | 0 22 | 13 57 | 0 38 | 4 31 | 2 24 | 14 46 | 0 31 | 18 54 | 0 34 | 4 52 | 15 27 | 11 41 | 11 45 | 19 4 | 4 25 | 7 7 |
| T 29 | 17 53 | 17 27 | 4 52 | 12 23 | 1 37 | 18 20 | 1 6 | 10 48 | 0 24 | 13 53 | 0 38 | 4 30 | 2 24 | 14 46 | 0 31 | 18 54 | 0 34 | 4 52 | 15 28 | 11 37 | 11 44 | 19 4 | 4 26 | 7 7 |
| W30 | 17 37 | 14 49 | 5 0 | 12 16 | 1 55 | 18 0 | 1 7 | 11 3 | 0 25 | 13 48 | 0 38 | 4 30 | 2 24 | 14 47 | 0 31 | 18 53 | 0 34 | 4 52 | 15 28 | 11 33 | 11 43 | 19 4 | 4 28 | 7 7 |
| T 31 | 17s21 | 11n15 | 4s49 | 12s13 | 2n13 | 17s40 | 1s 9 | 11n18 | 0n26 | 13s43 | 0s38 | 4s29 | 2n24 | 14s47 | 0n31 | 18s53 | 0n33 | 4s51 | 15n29 | 11s29 | 11s42 | 19s 4 | 4n29 | 7s 7 |

Julian Day Number = 2810213.5, Delta T = 52m56s
Ecliptic obliquity = 23°18'35, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'12, Lahiri = 37°36'13


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# ASTRODIENST EPHEMERIS for the year 2982
# geocentric

## FEBRUARY 2982 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 8 46 58 | 12♒ 8'03 | 0♍50 | 20°R29 | 15♒ 8 | 29♈14 | 25♒13 | 17°R11 | 11♏45 | 2♒52 | 29♏52 | 0°R 2 | 0♏45 | 22♐38 | 0°R40 | F 1 |
| S 2 | 8 50 55 | 13° 9'05 | 14°55 | 19♒27 | 16°24 | 29°54 | 25°27 | 17♎10 | 11°45 | 2°54 | 29°53 | 29♎53 | 0°42 | 22°44 | 0♍36 | S 2 |
| S 3 | 8 54 51 | 14°10'06 | 28°33 | 18°18 | 17°39 | 0♉33 | 25°41 | 17° 9 | 11°46 | 2°57 | 29°54 | 29°46 | 0°39 | 22°51 | 0°31 | S 3 |
| M 4 | 8 58 48 | 15°11'08 | 11♎43 | 17° 4 | 18°54 | 1°13 | 25°55 | 17° 9 | 11°47 | 2°59 | 29°55 | 29°43 | 0°36 | 22°58 | 0°27 | M 4 |
| T 5 | 9 2 44 | 16°12'09 | 24°27 | 15°47 | 20°10 | 1°53 | 26°10 | 17° 8 | 11°47 | 3° 1 | 29°56 | 29°D41 | 0°33 | 23° 5 | 0°23 | T 5 |
| W 6 | 9 6 41 | 17°13'10 | 6♏50 | 14°29 | 21°25 | 2°33 | 26°24 | 17° 6 | 11°48 | 3° 3 | 29°57 | 29°42 | 0°30 | 23°11 | 0°19 | W 6 |
| T 7 | 9 10 37 | 18°14'10 | 18°56 | 13°13 | 22°41 | 3°13 | 26°38 | 17° 5 | 11°48 | 3° 5 | 29°58 | 29°R42 | 0°26 | 23°18 | 0°14 | T 7 |
| F 8 | 9 14 34 | 19°15'10 | 0♐51 | 12° 2 | 23°56 | 3°53 | 26°52 | 17° 4 | 11°48 | 3° 8 | 29°59 | 29°41 | 0°23 | 23°25 | 0°10 | F 8 |
| S 9 | 9 18 30 | 20°16'10 | 12°41 | 10°55 | 25°11 | 4°33 | 27° 7 | 17° 2 | 11°49 | 3°10 | 29°59 | 29°38 | 0°20 | 23°31 | 0° 5 | S 9 |
| S 10 | 9 22 27 | 21°17'09 | 24°30 | 9°56 | 26°27 | 5°13 | 27°21 | 17° 1 | 11°49 | 3°12 | 0♐ 0 | 29°33 | 0°17 | 23°38 | 0° 1 | S 10 |
| M11 | 9 26 24 | 22°18'08 | 6♑23 | 9° 5 | 27°42 | 5°53 | 27°35 | 16°59 | 11°49 | 3°14 | 0° 1 | 29°26 | 0°14 | 23°45 | 29♌56 | M11 |
| T 12 | 9 30 20 | 23°19'06 | 18°23 | 8°23 | 28°58 | 6°33 | 27°49 | 16°57 | 11°50 | 3°16 | 0° 2 | 29°15 | 0°11 | 23°51 | 29°52 | T 12 |
| W13 | 9 34 17 | 24°20'04 | 0♒34 | 7°50 | 0♓13 | 7°13 | 28° 4 | 16°55 | 11°50 | 3°19 | 0° 3 | 29° 4 | 0° 7 | 23°58 | 29°47 | W13 |
| T 14 | 9 38 13 | 25°21'01 | 12°56 | 7°25 | 1°28 | 7°53 | 28°18 | 16°53 | 11°50 | 3°21 | 0° 3 | 28°51 | 0° 4 | 24° 5 | 29°43 | T 14 |
| F 15 | 9 42 10 | 26°21'56 | 25°30 | 7° 9 | 2°44 | 8°33 | 28°32 | 16°51 | 11°R50 | 3°23 | 0° 4 | 28°39 | 0° 1 | 24°11 | 29°38 | F 15 |
| S 16 | 9 46 6 | 27°22'51 | 8♓17 | 7°D 2 | 3°59 | 9°13 | 28°47 | 16°49 | 11°50 | 3°25 | 0° 4 | 28°28 | 29♎58 | 24°18 | 29°34 | S 16 |
| S 17 | 9 50 3 | 28°23'45 | 21°16 | 7° 2 | 5°14 | 9°53 | 29° 1 | 16°47 | 11°50 | 3°27 | 0° 5 | 28°20 | 29°55 | 24°25 | 29°29 | S 17 |
| M18 | 9 53 59 | 29°24'38 | 4♈25 | 7°10 | 6°30 | 10°33 | 29°15 | 16°45 | 11°49 | 3°29 | 0° 5 | 28°15 | 29°51 | 24°32 | 29°24 | M18 |
| T 19 | 9 57 56 | 0♓25'29 | 17°45 | 7°24 | 7°45 | 11°13 | 29°29 | 16°42 | 11°49 | 3°31 | 0° 6 | 28°12 | 29°48 | 24°38 | 29°20 | T 19 |
| W20 | 10 1 53 | 1°26'20 | 1♉16 | 7°45 | 9° 0 | 11°53 | 29°44 | 16°40 | 11°49 | 3°33 | 0° 6 | 28°D12 | 29°45 | 24°45 | 29°15 | W20 |
| T 21 | 10 5 49 | 2°27'08 | 14°58 | 8°12 | 10°16 | 12°33 | 29°58 | 16°37 | 11°49 | 3°35 | 0° 7 | 28°13 | 29°42 | 24°52 | 29°11 | T 21 |
| F 22 | 10 9 46 | 3°27'56 | 28°51 | 8°44 | 11°31 | 13°14 | 0♓12 | 16°34 | 11°48 | 3°37 | 0° 7 | 28°R13 | 29°39 | 24°58 | 29° 6 | F 22 |
| S 23 | 10 13 42 | 4°28'42 | 12♊55 | 9°21 | 12°46 | 13°54 | 0°27 | 16°31 | 11°48 | 3°39 | 0° 7 | 28°13 | 29°36 | 25° 5 | 29° 2 | S 23 |
| S 24 | 10 17 39 | 5°29'27 | 27°10 | 10° 3 | 14° 1 | 14°34 | 0°41 | 16°28 | 11°47 | 3°41 | 0° 7 | 28°11 | 29°32 | 25°12 | 28°57 | S 24 |
| M25 | 10 21 35 | 6°30'10 | 11♋33 | 10°49 | 15°17 | 15°14 | 0°55 | 16°25 | 11°47 | 3°43 | 0° 8 | 28° 7 | 29°29 | 25°18 | 28°53 | M25 |
| T 26 | 10 25 32 | 7°30'52 | 26° 1 | 11°38 | 16°32 | 15°54 | 1°10 | 16°22 | 11°46 | 3°45 | 0° 8 | 28° 0 | 29°26 | 25°25 | 28°48 | T 26 |
| W27 | 10 29 28 | 8°31'32 | 10♌29 | 12°31 | 17°47 | 16°34 | 1°24 | 16°19 | 11°45 | 3°47 | 0° 8 | 27°53 | 29°23 | 25°32 | 28°44 | W27 |
| T 28 | 10 33 25 | 9♓32'11 | 24♌50 | 13♒27 | 19♓ 2 | 17♉14 | 1♓38 | 16♎16 | 11♏45 | 3♒49 | 0♐ 8 | 27♎44 | 29♎20 | 25♐39 | 28♌39 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 17s 4 | 7n 5 | 4s19 | 12s13 | 2n29 | 17s20 | 1s10 | 11n33 | 0n27 | 13s39 | 0s38 | 4s29 | 2n25 | 14s47 | 0n31 | 18s52 | 0n33 | 4s51 | 15n29 | 11s25 | 11s41 | 19s 4 | 4n30 | 7s 7 | F 1 |
| S 2 | 16 47 | 2 37 | 3 33 | 12 18 | 2 45 | 16 59 | 1 12 | 11 48 | 0 28 | 13 34 | 0 38 | 4 28 | 2 25 | 14 47 | 0 31 | 18 52 | 0 33 | 4 51 | 15 30 | 11 22 | 11 39 | 19 3 | 4 32 | 7 7 | S 2 |
| S 3 | 16 29 | 1s50 | 2 37 | 12 26 | 2 58 | 16 37 | 1 13 | 12 3 | 0 29 | 13 29 | 0 38 | 4 28 | 2 25 | 14 48 | 0 31 | 18 51 | 0 33 | 4 51 | 15 30 | 11 20 | 11 38 | 19 3 | 4 33 | 7 7 | S 3 |
| M 4 | 16 12 | 6 3 | 1 34 | 12 37 | 3 10 | 16 15 | 1 14 | 12 18 | 0 30 | 13 25 | 0 38 | 4 27 | 2 26 | 14 48 | 0 31 | 18 51 | 0 33 | 4 50 | 15 31 | 11 19 | 11 37 | 19 3 | 4 34 | 7 8 | M 4 |
| T 5 | 15 54 | 9 51 | 0 28 | 12 51 | 3 19 | 15 53 | 1 15 | 12 33 | 0 31 | 13 20 | 0 38 | 4 27 | 2 26 | 14 48 | 0 31 | 18 50 | 0 33 | 4 50 | 15 31 | 11 18 | 11 36 | 19 3 | 4 36 | 7 8 | T 5 |
| W 6 | 15 35 | 13 7 | 0n38 | 13 6 | 3 26 | 15 30 | 1 17 | 12 47 | 0 31 | 13 15 | 0 38 | 4 26 | 2 26 | 14 48 | 0 31 | 18 50 | 0 33 | 4 50 | 15 32 | 11 18 | 11 35 | 19 3 | 4 37 | 7 8 | W 6 |
| T 7 | 15 17 | 15 45 | 1 40 | 13 24 | 3 30 | 15 6 | 1 18 | 13 2 | 0 32 | 13 10 | 0 38 | 4 25 | 2 26 | 14 48 | 0 31 | 18 49 | 0 33 | 4 49 | 15 32 | 11 18 | 11 34 | 19 2 | 4 39 | 7 8 | T 7 |
| F 8 | 14 58 | 17 39 | 2 38 | 13 42 | 3 32 | 14 43 | 1 19 | 13 16 | 0 33 | 13 6 | 0 39 | 4 24 | 2 27 | 14 48 | 0 31 | 18 49 | 0 33 | 4 49 | 15 33 | 11 18 | 11 33 | 19 2 | 4 40 | 7 8 | F 8 |
| S 9 | 14 39 | 18 46 | 3 28 | 14 0 | 3 31 | 14 19 | 1 20 | 13 30 | 0 34 | 13 1 | 0 39 | 4 24 | 2 27 | 14 48 | 0 31 | 18 48 | 0 33 | 4 49 | 15 33 | 11 17 | 11 32 | 19 2 | 4 42 | 7 8 | S 9 |
| S 10 | 14 20 | 19 4 | 4 8 | 14 19 | 3 28 | 13 54 | 1 21 | 13 45 | 0 35 | 12 56 | 0 39 | 4 23 | 2 27 | 14 48 | 0 31 | 18 48 | 0 33 | 4 49 | 15 33 | 11 15 | 11 31 | 19 2 | 4 43 | 7 8 | S 10 |
| M11 | 14 0 | 18 31 | 4 39 | 14 37 | 3 23 | 13 29 | 1 22 | 13 59 | 0 36 | 12 51 | 0 39 | 4 22 | 2 27 | 14 48 | 0 31 | 18 47 | 0 33 | 4 48 | 15 34 | 11 13 | 11 29 | 19 2 | 4 45 | 7 8 | M11 |
| T 12 | 13 40 | 17 9 | 4 57 | 14 54 | 3 17 | 13 4 | 1 23 | 14 13 | 0 37 | 12 46 | 0 39 | 4 21 | 2 28 | 14 49 | 0 31 | 18 47 | 0 33 | 4 48 | 15 34 | 11 9 | 11 28 | 19 1 | 4 46 | 7 8 | T 12 |
| W13 | 13 20 | 15 0 | 5 2 | 15 10 | 3 9 | 12 38 | 1 23 | 14 26 | 0 38 | 12 42 | 0 39 | 4 20 | 2 28 | 14 49 | 0 31 | 18 46 | 0 33 | 4 48 | 15 35 | 11 5 | 11 27 | 19 1 | 4 48 | 7 8 | W13 |
| T 14 | 13 0 | 12 8 | 4 54 | 15 25 | 3 0 | 12 12 | 1 24 | 14 40 | 0 38 | 12 37 | 0 39 | 4 19 | 2 28 | 14 49 | 0 31 | 18 46 | 0 33 | 4 47 | 15 35 | 11 0 | 11 26 | 19 1 | 4 49 | 7 8 | T 14 |
| F 15 | 12 40 | 8 42 | 4 31 | 15 39 | 2 50 | 11 46 | 1 25 | 14 54 | 0 39 | 12 32 | 0 39 | 4 18 | 2 28 | 14 49 | 0 31 | 18 45 | 0 33 | 4 47 | 15 36 | 10 56 | 11 25 | 19 1 | 4 51 | 7 8 | F 15 |
| S 16 | 12 19 | 4 48 | 3 54 | 15 51 | 2 39 | 11 19 | 1 25 | 15 7 | 0 40 | 12 27 | 0 39 | 4 17 | 2 29 | 14 48 | 0 31 | 18 45 | 0 33 | 4 46 | 15 36 | 10 52 | 11 24 | 19 0 | 4 53 | 7 7 | S 16 |
| S 17 | 11 58 | 0 38 | 3 4 | 16 1 | 2 28 | 10 52 | 1 26 | 15 21 | 0 41 | 12 22 | 0 39 | 4 16 | 2 29 | 14 48 | 0 31 | 18 44 | 0 33 | 4 46 | 15 37 | 10 50 | 11 23 | 19 0 | 4 54 | 7 7 | S 17 |
| M18 | 11 37 | 3n38 | 2 4 | 16 11 | 2 17 | 10 25 | 1 26 | 15 34 | 0 42 | 12 17 | 0 39 | 4 15 | 2 29 | 14 48 | 0 31 | 18 44 | 0 33 | 4 46 | 15 37 | 10 48 | 11 22 | 19 0 | 4 56 | 7 7 | M18 |
| T 19 | 11 16 | 7 47 | 0 56 | 16 18 | 2 5 | 9 58 | 1 27 | 15 47 | 0 42 | 12 12 | 0 39 | 4 14 | 2 29 | 14 48 | 0 31 | 18 43 | 0 33 | 4 45 | 15 38 | 10 47 | 11 21 | 19 0 | 4 58 | 7 7 | T 19 |
| W20 | 10 54 | 11 36 | 0s16 | 16 25 | 1 53 | 9 30 | 1 27 | 16 0 | 0 43 | 12 7 | 0 39 | 4 12 | 2 30 | 14 48 | 0 31 | 18 43 | 0 33 | 4 45 | 15 38 | 10 47 | 11 19 | 18 59 | 4 59 | 7 7 | W20 |
| T 21 | 10 33 | 14 49 | 1 29 | 16 29 | 1 41 | 9 2 | 1 28 | 16 13 | 0 44 | 12 2 | 0 39 | 4 11 | 2 30 | 14 48 | 0 31 | 18 42 | 0 33 | 4 44 | 15 39 | 10 47 | 11 18 | 18 59 | 5 1 | 7 7 | T 21 |
| F 22 | 10 11 | 17 15 | 2 37 | 16 32 | 1 29 | 8 34 | 1 28 | 16 26 | 0 45 | 11 57 | 0 40 | 4 10 | 2 30 | 14 48 | 0 31 | 18 42 | 0 33 | 4 44 | 15 39 | 10 47 | 11 17 | 18 59 | 5 3 | 7 7 | F 22 |
| S 23 | 9 49 | 18 39 | 3 36 | 16 34 | 1 18 | 8 5 | 1 28 | 16 39 | 0 45 | 11 52 | 0 40 | 4 9 | 2 30 | 14 48 | 0 31 | 18 41 | 0 33 | 4 44 | 15 40 | 10 47 | 11 16 | 18 59 | 5 5 | 7 6 | S 23 |
| S 24 | 9 27 | 18 54 | 4 23 | 16 34 | 1 6 | 7 36 | 1 28 | 16 51 | 0 46 | 11 47 | 0 40 | 4 7 | 2 31 | 14 48 | 0 31 | 18 41 | 0 33 | 4 43 | 15 40 | 10 46 | 11 15 | 18 58 | 5 6 | 7 6 | S 24 |
| M25 | 9 5 | 17 56 | 4 54 | 16 33 | 0 55 | 7 8 | 1 28 | 17 4 | 0 47 | 11 43 | 0 40 | 4 6 | 2 31 | 14 47 | 0 31 | 18 40 | 0 33 | 4 43 | 15 41 | 10 45 | 11 14 | 18 58 | 5 8 | 7 6 | M25 |
| T 26 | 8 42 | 15 48 | 5 7 | 16 30 | 0 44 | 6 39 | 1 28 | 17 16 | 0 47 | 11 38 | 0 40 | 4 5 | 2 31 | 14 47 | 0 31 | 18 40 | 0 33 | 4 42 | 15 41 | 10 43 | 11 13 | 18 58 | 5 10 | 7 6 | T 26 |
| W27 | 8 20 | 12 42 | 4 59 | 16 26 | 0 33 | 6 9 | 1 28 | 17 28 | 0 48 | 11 33 | 0 40 | 4 3 | 2 31 | 14 47 | 0 31 | 18 39 | 0 33 | 4 42 | 15 42 | 10 40 | 11 12 | 18 58 | 5 12 | 7 5 | W27 |
| T 28 | 7s57 | 8n52 | 4s33 | 16s21 | 0n22 | 5s40 | 1s28 | 17n40 | 0n49 | 11s28 | 0s40 | 4s 2 | 2n32 | 14s47 | 0n31 | 18s39 | 0n33 | 4s41 | 15n42 | 10s37 | 11s11 | 18s57 | 5n13 | 7s 5 | T 28 |

Julian Day Number = 2810244.5, Delta T = 52m56s
Ecliptic obliquity = 23°18'35, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'17, Lahiri = 37°36'17


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# ASTRODIENST EPHEMERIS for the year 2982
# geocentric

## MARCH 2982 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 37 22 | 10♓32'48 | 8♍58 | 14♒26 | 20♓17 | 17♉54 | 1♓52 | 16°R13 | 11°R44 | 3♒51 | 0♐ 8 | 27°R37 | 29♎16 | 25♐45 | 28°R35 | F 1 |
| S 2 | 10 41 18 | 11°33'24 | 22°49 | 15°28 | 21°32 | 18°34 | 2° 6 | 16♎ 9 | 11♏43 | 3°53 | 0° 8 | 27♎30 | 29°13 | 25°52 | 28♌30 | S 2 |
| S 3 | 10 45 15 | 12°33'58 | 6♎18 | 16°32 | 22°47 | 19°14 | 2°21 | 16° 6 | 11°42 | 3°55 | 0°R 8 | 27°26 | 29°10 | 25°59 | 28°26 | S 3 |
| M 4 | 10 49 11 | 13°34'32 | 19°25 | 17°39 | 24° 2 | 19°54 | 2°35 | 16° 2 | 11°41 | 3°57 | 0° 8 | 27°24 | 29° 7 | 26° 5 | 28°21 | M 4 |
| T 5 | 10 53 8 | 14°35'04 | 2♏10 | 18°47 | 25°17 | 20°34 | 2°49 | 15°59 | 11°40 | 3°59 | 0° 8 | 27°D24 | 29° 4 | 26°12 | 28°17 | T 5 |
| W 6 | 10 57 4 | 15°35'35 | 14°35 | 19°58 | 26°33 | 21°14 | 3° 3 | 15°55 | 11°39 | 4° 1 | 0° 8 | 27°25 | 29° 1 | 26°19 | 28°13 | W 6 |
| T 7 | 11 1 1 | 16°36'04 | 26°45 | 21°11 | 27°48 | 21°54 | 3°17 | 15°51 | 11°38 | 4° 2 | 0° 8 | 27°27 | 28°57 | 26°25 | 28° 9 | T 7 |
| F 8 | 11 4 57 | 17°36'33 | 8♐43 | 22°25 | 29° 3 | 22°34 | 3°31 | 15°47 | 11°37 | 4° 4 | 0° 8 | 27°28 | 28°54 | 26°32 | 28° 4 | F 8 |
| S 9 | 11 8 54 | 18°37'00 | 20°35 | 23°41 | 0♈18 | 23°14 | 3°46 | 15°43 | 11°36 | 4° 6 | 0° 8 | 27°R28 | 28°51 | 26°39 | 28° 0 | S 9 |
| S 10 | 11 12 51 | 19°37'26 | 2♑26 | 24°58 | 1°32 | 23°54 | 4° 0 | 15°39 | 11°35 | 4° 8 | 0° 8 | 27°27 | 28°48 | 26°46 | 27°56 | S 10 |
| M11 | 11 16 47 | 20°37'50 | 14°21 | 26°17 | 2°47 | 24°34 | 4°14 | 15°35 | 11°33 | 4° 9 | 0° 7 | 27°25 | 28°45 | 26°52 | 27°52 | M11 |
| T 12 | 11 20 44 | 21°38'14 | 26°24 | 27°38 | 4° 2 | 25°14 | 4°28 | 15°31 | 11°32 | 4°11 | 0° 7 | 27°20 | 28°42 | 26°59 | 27°48 | T 12 |
| W13 | 11 24 40 | 22°38'35 | 8♒39 | 29° 0 | 5°17 | 25°54 | 4°42 | 15°27 | 11°31 | 4°13 | 0° 7 | 27°15 | 28°38 | 27° 6 | 27°44 | W13 |
| T 14 | 11 28 37 | 23°38'56 | 21° 9 | 0♓23 | 6°32 | 26°34 | 4°56 | 15°23 | 11°29 | 4°14 | 0° 6 | 27° 9 | 28°35 | 27°12 | 27°40 | T 14 |
| F 15 | 11 32 33 | 24°39'15 | 3♓56 | 1°48 | 7°47 | 27°14 | 5°10 | 15°19 | 11°28 | 4°16 | 0° 6 | 27° 3 | 28°32 | 27°19 | 27°36 | F 15 |
| S 16 | 11 36 30 | 25°39'32 | 16°59 | 3°13 | 9° 2 | 27°53 | 5°24 | 15°14 | 11°26 | 4°18 | 0° 5 | 26°58 | 28°29 | 27°26 | 27°33 | S 16 |
| S 17 | 11 40 26 | 26°39'47 | 0♈19 | 4°40 | 10°17 | 28°33 | 5°37 | 15°10 | 11°25 | 4°19 | 0° 5 | 26°54 | 28°26 | 27°32 | 27°29 | S 17 |
| M18 | 11 44 23 | 27°40'01 | 13°53 | 6° 8 | 11°31 | 29°13 | 5°51 | 15° 6 | 11°23 | 4°21 | 0° 4 | 26°52 | 28°22 | 27°39 | 27°25 | M18 |
| T 19 | 11 48 19 | 28°40'13 | 27°39 | 7°38 | 12°46 | 29°53 | 6° 5 | 15° 1 | 11°22 | 4°22 | 0° 4 | 26°D51 | 28°19 | 27°46 | 27°22 | T 19 |
| W20 | 11 52 16 | 29°40'24 | 11♉35 | 9° 8 | 14° 1 | 0♊33 | 6°19 | 14°57 | 11°20 | 4°24 | 0° 3 | 26°52 | 28°16 | 27°53 | 27°18 | W20 |
| T 21 | 11 56 13 | 0♈40'32 | 25°38 | 10°40 | 15°16 | 1°13 | 6°32 | 14°52 | 11°18 | 4°25 | 0° 3 | 26°53 | 28°13 | 27°59 | 27°15 | T 21 |
| F 22 | 12 0 9 | 1°40'38 | 9♊46 | 12°13 | 16°30 | 1°53 | 6°46 | 14°48 | 11°17 | 4°27 | 0° 2 | 26°55 | 28°10 | 28° 6 | 27°11 | F 22 |
| S 23 | 12 4 6 | 2°40'42 | 23°56 | 13°47 | 17°45 | 2°33 | 7° 0 | 14°43 | 11°15 | 4°28 | 0° 1 | 26°56 | 28° 7 | 28°13 | 27° 8 | S 23 |
| S 24 | 12 8 2 | 3°40'44 | 8♋ 7 | 15°22 | 19° 0 | 3°12 | 7°13 | 14°39 | 11°13 | 4°29 | 0° 1 | 26°R56 | 28° 3 | 28°19 | 27° 5 | S 24 |
| M25 | 12 11 59 | 4°40'44 | 22°17 | 16°58 | 20°14 | 3°52 | 7°27 | 14°34 | 11°11 | 4°31 | 29♏59 | 26°55 | 28° 0 | 28°26 | 27° 2 | M25 |
| T 26 | 12 15 55 | 5°40'42 | 6♌23 | 18°35 | 21°29 | 4°32 | 7°40 | 14°29 | 11° 9 | 4°32 | 29°59 | 26°53 | 27°57 | 28°33 | 26°58 | T 26 |
| W27 | 12 19 52 | 6°40'38 | 20°23 | 20°14 | 22°43 | 5°12 | 7°54 | 14°25 | 11° 7 | 4°33 | 29°58 | 26°51 | 27°54 | 28°39 | 26°55 | W27 |
| T 28 | 12 23 48 | 7°40'31 | 4♍14 | 21°53 | 23°58 | 5°51 | 8° 7 | 14°20 | 11° 5 | 4°35 | 29°58 | 26°48 | 27°51 | 28°46 | 26°53 | T 28 |
| F 29 | 12 27 45 | 8°40'23 | 17°54 | 23°34 | 25°12 | 6°31 | 8°21 | 14°15 | 11° 3 | 4°36 | 29°57 | 26°45 | 27°48 | 28°53 | 26°50 | F 29 |
| S 30 | 12 31 42 | 9°40'12 | 1♎20 | 25°16 | 26°27 | 7°11 | 8°34 | 14°10 | 11° 1 | 4°37 | 29°56 | 26°43 | 27°44 | 29° 0 | 26°47 | S 30 |
| S 31 | 12 35 38 | 10♈39'59 | 14♎30 | 26♓59 | 27♈41 | 7♊51 | 8♓47 | 14♎ 6 | 10♏59 | 4♒38 | 29♏55 | 26♎42 | 27♎41 | 29♐ 6 | 26♌44 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 7s34 | 4n35 | 3s51 | 16s14 | 0n12 | 5s10 | 1s27 | 17n52 | 0n49 | 11s23 | 0s40 | 4s 0 | 2n32 | 14s46 | 0n31 | 18s39 | 0n33 | 4s41 | 15n43 | 10s34 | 11s 9 | 18s57 | 5n15 | 7s 5 | F 1 |
| S 2 | 7 12 | 0 9 | 2 56 | 16 5 | 0 2 | 4 40 | 1 27 | 18 3 | 0 50 | 11 18 | 0 40 | 3 59 | 2 32 | 14 46 | 0 31 | 18 38 | 0 33 | 4 40 | 15 43 | 10 32 | 11 8 | 18 57 | 5 17 | 7 4 | S 2 |
| S 3 | 6 49 | 4s12 | 1 52 | 15 55 | 0s 8 | 4 11 | 1 27 | 18 15 | 0 50 | 11 13 | 0 40 | 3 57 | 2 32 | 14 46 | 0 31 | 18 38 | 0 33 | 4 40 | 15 44 | 10 30 | 11 7 | 18 56 | 5 19 | 7 4 | S 3 |
| M 4 | 6 25 | 8 13 | 0 43 | 15 44 | 0 17 | 3 41 | 1 26 | 18 26 | 0 51 | 11 8 | 0 40 | 3 56 | 2 32 | 14 46 | 0 31 | 18 37 | 0 33 | 4 40 | 15 44 | 10 30 | 11 6 | 18 56 | 5 20 | 7 4 | M 4 |
| T 5 | 6 2 | 11 45 | 0n26 | 15 32 | 0 27 | 3 11 | 1 26 | 18 38 | 0 52 | 11 3 | 0 40 | 3 54 | 2 33 | 14 45 | 0 31 | 18 37 | 0 33 | 4 39 | 15 45 | 10 29 | 11 5 | 18 56 | 5 22 | 7 3 | T 5 |
| W 6 | 5 39 | 14 40 | 1 32 | 15 18 | 0 35 | 2 40 | 1 25 | 18 49 | 0 52 | 10 58 | 0 41 | 3 53 | 2 33 | 14 45 | 0 31 | 18 36 | 0 33 | 4 39 | 15 45 | 10 30 | 11 4 | 18 56 | 5 24 | 7 3 | W 6 |
| T 7 | 5 16 | 16 51 | 2 33 | 15 3 | 0 44 | 2 10 | 1 25 | 19 0 | 0 53 | 10 53 | 0 41 | 3 51 | 2 33 | 14 45 | 0 31 | 18 36 | 0 33 | 4 38 | 15 46 | 10 30 | 11 3 | 18 55 | 5 26 | 7 3 | T 7 |
| F 8 | 4 52 | 18 15 | 3 26 | 14 47 | 0 52 | 1 40 | 1 24 | 19 10 | 0 53 | 10 48 | 0 41 | 3 49 | 2 33 | 14 44 | 0 31 | 18 36 | 0 33 | 4 38 | 15 46 | 10 31 | 11 2 | 18 55 | 5 28 | 7 2 | F 8 |
| S 9 | 4 29 | 18 50 | 4 9 | 14 30 | 1 0 | 1 10 | 1 23 | 19 21 | 0 54 | 10 43 | 0 41 | 3 48 | 2 33 | 14 44 | 0 31 | 18 35 | 0 33 | 4 37 | 15 47 | 10 31 | 11 0 | 18 55 | 5 29 | 7 2 | S 9 |
| S 10 | 4 5 | 18 35 | 4 42 | 14 11 | 1 7 | 0 39 | 1 22 | 19 32 | 0 55 | 10 38 | 0 41 | 3 46 | 2 33 | 14 44 | 0 31 | 18 35 | 0 33 | 4 37 | 15 47 | 10 31 | 10 59 | 18 54 | 5 31 | 7 1 | S 10 |
| M11 | 3 42 | 17 31 | 5 3 | 13 51 | 1 14 | 0 9 | 1 22 | 19 42 | 0 55 | 10 33 | 0 41 | 3 44 | 2 34 | 14 43 | 0 31 | 18 34 | 0 33 | 4 36 | 15 48 | 10 30 | 10 58 | 18 54 | 5 33 | 7 1 | M11 |
| T 12 | 3 18 | 15 40 | 5 11 | 13 30 | 1 21 | 0n22 | 1 21 | 19 52 | 0 56 | 10 28 | 0 41 | 3 43 | 2 34 | 14 43 | 0 32 | 18 34 | 0 33 | 4 36 | 15 48 | 10 28 | 10 57 | 18 54 | 5 35 | 7 1 | T 12 |
| W13 | 2 54 | 13 5 | 5 5 | 13 7 | 1 27 | 0 52 | 1 20 | 20 2 | 0 56 | 10 23 | 0 41 | 3 41 | 2 34 | 14 42 | 0 32 | 18 34 | 0 33 | 4 35 | 15 48 | 10 26 | 10 56 | 18 53 | 5 37 | 7 0 | W13 |
| T 14 | 2 31 | 9 52 | 4 45 | 12 44 | 1 33 | 1 23 | 1 18 | 20 12 | 0 57 | 10 18 | 0 41 | 3 39 | 2 34 | 14 42 | 0 32 | 18 33 | 0 33 | 4 34 | 15 49 | 10 24 | 10 55 | 18 53 | 5 38 | 7 0 | T 14 |
| F 15 | 2 7 | 6 8 | 4 10 | 12 19 | 1 39 | 1 53 | 1 17 | 20 22 | 0 57 | 10 13 | 0 41 | 3 37 | 2 34 | 14 41 | 0 32 | 18 33 | 0 33 | 4 34 | 15 49 | 10 22 | 10 54 | 18 53 | 5 40 | 6 59 | F 15 |
| S 16 | 1 43 | 2 1 | 3 21 | 11 53 | 1 44 | 2 24 | 1 16 | 20 31 | 0 58 | 10 8 | 0 42 | 3 36 | 2 34 | 14 41 | 0 32 | 18 32 | 0 33 | 4 33 | 15 50 | 10 20 | 10 53 | 18 52 | 5 42 | 6 59 | S 16 |
| S 17 | 1 19 | 2n16 | 2 20 | 11 26 | 1 49 | 2 54 | 1 15 | 20 40 | 0 58 | 10 3 | 0 42 | 3 34 | 2 34 | 14 40 | 0 32 | 18 32 | 0 33 | 4 33 | 15 50 | 10 19 | 10 51 | 18 52 | 5 44 | 6 58 | S 17 |
| M18 | 0 55 | 6 32 | 1 11 | 10 58 | 1 53 | 3 24 | 1 14 | 20 50 | 0 59 | 9 58 | 0 42 | 3 32 | 2 35 | 14 40 | 0 32 | 18 32 | 0 33 | 4 32 | 15 51 | 10 18 | 10 50 | 18 52 | 5 45 | 6 57 | M18 |
| T 19 | 0 32 | 10 31 | 0s 4 | 10 29 | 1 57 | 3 54 | 1 12 | 20 59 | 0 59 | 9 53 | 0 42 | 3 30 | 2 35 | 14 39 | 0 32 | 18 31 | 0 33 | 4 32 | 15 51 | 10 18 | 10 49 | 18 51 | 5 47 | 6 57 | T 19 |
| W20 | 0 8 | 13 57 | 1 20 | 9 58 | 2 1 | 4 25 | 1 11 | 21 7 | 0 59 | 9 48 | 0 42 | 3 28 | 2 35 | 14 39 | 0 32 | 18 31 | 0 33 | 4 31 | 15 52 | 10 18 | 10 48 | 18 51 | 5 49 | 6 56 | W20 |
| T 21 | 0n16 | 16 37 | 2 32 | 9 27 | 2 4 | 4 55 | 1 9 | 21 16 | 1 0 | 9 43 | 0 42 | 3 27 | 2 35 | 14 38 | 0 32 | 18 31 | 0 33 | 4 31 | 15 52 | 10 19 | 10 47 | 18 51 | 5 50 | 6 56 | T 21 |
| F 22 | 0 40 | 18 16 | 3 34 | 8 54 | 2 7 | 5 25 | 1 8 | 21 25 | 1 0 | 9 38 | 0 42 | 3 25 | 2 35 | 14 38 | 0 32 | 18 30 | 0 33 | 4 30 | 15 53 | 10 19 | 10 46 | 18 50 | 5 52 | 6 55 | F 22 |
| S 23 | 1 4 | 18 46 | 4 24 | 8 21 | 2 10 | 5 55 | 1 6 | 21 33 | 1 1 | 9 33 | 0 42 | 3 23 | 2 35 | 14 37 | 0 32 | 18 30 | 0 34 | 4 30 | 15 53 | 10 19 | 10 45 | 18 50 | 5 54 | 6 55 | S 23 |
| S 24 | 1 27 | 18 6 | 4 58 | 7 46 | 2 12 | 6 24 | 1 5 | 21 41 | 1 1 | 9 28 | 0 43 | 3 21 | 2 35 | 14 37 | 0 32 | 18 30 | 0 34 | 4 29 | 15 53 | 10 20 | 10 44 | 18 50 | 5 55 | 6 54 | S 24 |
| M25 | 1 51 | 16 19 | 5 14 | 7 11 | 2 14 | 6 54 | 1 3 | 21 49 | 1 2 | 9 23 | 0 43 | 3 19 | 2 35 | 14 36 | 0 32 | 18 29 | 0 34 | 4 29 | 15 54 | 10 19 | 10 42 | 18 49 | 5 57 | 6 53 | M25 |
| T 26 | 2 15 | 13 34 | 5 10 | 6 34 | 2 15 | 7 23 | 1 1 | 21 57 | 1 2 | 9 18 | 0 43 | 3 17 | 2 35 | 14 35 | 0 32 | 18 29 | 0 34 | 4 28 | 15 54 | 10 19 | 10 41 | 18 49 | 5 59 | 6 53 | T 26 |
| W27 | 2 38 | 10 3 | 4 49 | 5 56 | 2 16 | 7 52 | 0 59 | 22 4 | 1 2 | 9 14 | 0 43 | 3 16 | 2 36 | 14 35 | 0 32 | 18 29 | 0 34 | 4 27 | 15 55 | 10 18 | 10 40 | 18 49 | 6 0 | 6 52 | W27 |
| T 28 | 3 2 | 6 1 | 4 10 | 5 17 | 2 16 | 8 22 | 0 57 | 22 12 | 1 3 | 9 9 | 0 43 | 3 14 | 2 36 | 14 34 | 0 32 | 18 28 | 0 34 | 4 27 | 15 55 | 10 17 | 10 39 | 18 48 | 6 2 | 6 51 | T 28 |
| F 29 | 3 25 | 1 43 | 3 18 | 4 38 | 2 16 | 8 50 | 0 55 | 22 19 | 1 3 | 9 4 | 0 43 | 3 12 | 2 36 | 14 34 | 0 32 | 18 28 | 0 34 | 4 26 | 15 55 | 10 16 | 10 38 | 18 48 | 6 3 | 6 51 | F 29 |
| S 30 | 3 49 | 2s36 | 2 16 | 3 57 | 2 16 | 9 19 | 0 53 | 22 26 | 1 3 | 8 59 | 0 43 | 3 10 | 2 36 | 14 33 | 0 32 | 18 28 | 0 34 | 4 26 | 15 56 | 10 15 | 10 37 | 18 48 | 6 5 | 6 50 | S 30 |
| S 31 | 4n12 | 6s43 | 1s 7 | 3s16 | 2s15 | 9n48 | 0s51 | 22n33 | 1n 4 | 8s54 | 0s43 | 3s 8 | 2n36 | 14s32 | 0n32 | 18s27 | 0n34 | 4s25 | 15n56 | 10s14 | 10s36 | 18s47 | 6n 6 | 6s49 | S 31 |

Julian Day Number = 2810272.5, Delta T = 52m57s
Ecliptic obliquity = 23°18'36, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'20, Lahiri = 37°36'21


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# ASTRODIENST EPHEMERIS for the year 2982
# geocentric

## APRIL 2982 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 39 35 | 11♈39'45 | 27♎23 | 28♓43 | 28♈56 | 8♊30 | 9♓ 0 | 14°R 1 | 10°R57 | 4♒40 | 29°R54 | 26°D42 | 27♎38 | 29♐13 | 26°R42 | M 1 |
| T 2 | 12 43 31 | 12°39'29 | 10♏ 0 | 0♈29 | 0♉10 | 9°10 | 9°14 | 13♎56 | 10♏55 | 4°41 | 29♏53 | 26♎42 | 27°35 | 29°20 | 26♌39 | T 2 |
| W 3 | 12 47 28 | 13°39'11 | 22°22 | 2°16 | 1°24 | 9°50 | 9°27 | 13°52 | 10°53 | 4°42 | 29°52 | 26°43 | 27°32 | 29°26 | 26°37 | W 3 |
| T 4 | 12 51 24 | 14°38'51 | 4♐31 | 4° 4 | 2°39 | 10°29 | 9°40 | 13°47 | 10°50 | 4°43 | 29°51 | 26°44 | 27°28 | 29°33 | 26°35 | T 4 |
| F 5 | 12 55 21 | 15°38'30 | 16°30 | 5°53 | 3°53 | 11° 9 | 9°53 | 13°42 | 10°48 | 4°44 | 29°50 | 26°45 | 27°25 | 29°40 | 26°32 | F 5 |
| S 6 | 12 59 17 | 16°38'06 | 28°24 | 7°43 | 5° 7 | 11°48 | 10° 6 | 13°37 | 10°46 | 4°45 | 29°49 | 26°46 | 27°22 | 29°47 | 26°30 | S 6 |
| S 7 | 13 3 14 | 17°37'42 | 10♑16 | 9°35 | 6°21 | 12°28 | 10°18 | 13°33 | 10°44 | 4°46 | 29°48 | 26°47 | 27°19 | 29°53 | 26°28 | S 7 |
| M 8 | 13 7 10 | 18°37'15 | 22°11 | 11°28 | 7°35 | 13° 8 | 10°31 | 13°28 | 10°41 | 4°47 | 29°47 | 26°R47 | 27°16 | 29°59 | 26°26 | M 8 |
| T 9 | 13 11 7 | 19°36'47 | 4♒14 | 13°23 | 8°50 | 13°47 | 10°44 | 13°23 | 10°39 | 4°48 | 29°45 | 26°46 | 27°13 | 0♑ 7 | 26°25 | T 9 |
| W10 | 13 15 4 | 20°36'17 | 16°30 | 15°18 | 10° 4 | 14°27 | 10°57 | 13°18 | 10°37 | 4°49 | 29°44 | 26°46 | 27° 9 | 0°13 | 26°23 | W10 |
| T 11 | 13 19 0 | 21°35'45 | 29° 2 | 17°15 | 11°18 | 15° 6 | 11° 9 | 13°14 | 10°34 | 4°49 | 29°43 | 26°45 | 27° 6 | 0°20 | 26°21 | T 11 |
| F 12 | 13 22 57 | 22°35'11 | 11♓53 | 19°13 | 12°32 | 15°46 | 11°22 | 13° 9 | 10°32 | 4°50 | 29°42 | 26°45 | 27° 3 | 0°27 | 26°20 | F 12 |
| S 13 | 13 26 53 | 23°34'36 | 25° 6 | 21°12 | 13°46 | 16°25 | 11°34 | 13° 4 | 10°29 | 4°51 | 29°41 | 26°44 | 27° 0 | 0°33 | 26°18 | S 13 |
| S 14 | 13 30 50 | 24°33'59 | 8♈40 | 23°12 | 15° 0 | 17° 5 | 11°46 | 13° 0 | 10°27 | 4°52 | 29°39 | 26°44 | 26°57 | 0°40 | 26°17 | S 14 |
| M15 | 13 34 46 | 25°33'19 | 22°34 | 25°14 | 16°14 | 17°44 | 11°59 | 12°55 | 10°25 | 4°53 | 29°38 | 26°D44 | 26°53 | 0°47 | 26°16 | M15 |
| T 16 | 13 38 43 | 26°32'38 | 6♉46 | 27°16 | 17°28 | 18°23 | 12°11 | 12°51 | 10°22 | 4°53 | 29°37 | 26°R44 | 26°50 | 0°54 | 26°15 | T 16 |
| W17 | 13 42 39 | 27°31'55 | 21°10 | 29°19 | 18°41 | 19° 3 | 12°23 | 12°46 | 10°20 | 4°54 | 29°35 | 26°44 | 26°47 | 1° 0 | 26°14 | W17 |
| T 18 | 13 46 36 | 28°31'10 | 5♊42 | 1♉22 | 19°55 | 19°42 | 12°35 | 12°42 | 10°17 | 4°55 | 29°34 | 26°44 | 26°44 | 1° 7 | 26°13 | T 18 |
| F 19 | 13 50 33 | 29°30'23 | 20°15 | 3°26 | 21° 9 | 20°22 | 12°47 | 12°37 | 10°15 | 4°55 | 29°33 | 26°44 | 26°41 | 1°14 | 26°12 | F 19 |
| S 20 | 13 54 29 | 0♉29'33 | 4♋44 | 5°31 | 22°23 | 21° 1 | 12°59 | 12°33 | 10°12 | 4°56 | 29°31 | 26°43 | 26°38 | 1°20 | 26°11 | S 20 |
| S 21 | 13 58 26 | 1°28'41 | 19° 4 | 7°35 | 23°37 | 21°40 | 13°11 | 12°28 | 10°10 | 4°56 | 29°30 | 26°43 | 26°34 | 1°27 | 26°11 | S 21 |
| M22 | 14 2 22 | 2°27'47 | 3♌14 | 9°39 | 24°50 | 22°20 | 13°23 | 12°24 | 10° 7 | 4°57 | 29°28 | 26°D43 | 26°31 | 1°34 | 26°10 | M22 |
| T 23 | 14 6 19 | 3°26'51 | 17°10 | 11°43 | 26° 4 | 22°59 | 13°34 | 12°20 | 10° 4 | 4°57 | 29°27 | 26°43 | 26°28 | 1°41 | 26°10 | T 23 |
| W24 | 14 10 15 | 4°25'52 | 0♍52 | 13°46 | 27°18 | 23°38 | 13°46 | 12°16 | 10° 2 | 4°58 | 29°25 | 26°43 | 26°25 | 1°47 | 26°10 | W24 |
| T 25 | 14 14 12 | 5°24'51 | 14°20 | 15°48 | 28°31 | 24°17 | 13°57 | 12°11 | 9°59 | 4°58 | 29°24 | 26°44 | 26°22 | 1°54 | 26° 9 | T 25 |
| F 26 | 14 18 8 | 6°23'47 | 27°34 | 17°48 | 29°45 | 24°57 | 14° 9 | 12° 7 | 9°57 | 4°58 | 29°22 | 26°45 | 26°19 | 2° 1 | 26°D 9 | F 26 |
| S 27 | 14 22 5 | 7°22'42 | 10♎35 | 19°46 | 0♊58 | 25°36 | 14°20 | 12° 3 | 9°54 | 4°59 | 29°21 | 26°46 | 26°15 | 2° 7 | 26° 9 | S 27 |
| S 28 | 14 26 2 | 8°21'34 | 23°22 | 21°42 | 2°11 | 26°15 | 14°31 | 11°59 | 9°52 | 4°59 | 29°19 | 26°R46 | 26°12 | 2°14 | 26° 9 | S 28 |
| M29 | 14 29 58 | 9°20'25 | 5♏57 | 23°36 | 3°25 | 26°54 | 14°42 | 11°55 | 9°49 | 4°59 | 29°18 | 26°46 | 26° 9 | 2°21 | 26°10 | M29 |
| T 30 | 14 33 55 | 10♉19'13 | 18♏20 | 25♉26 | 4♊38 | 27♊33 | 14♓53 | 11♎51 | 9♏46 | 4♒59 | 29♏16 | 26♎45 | 26♎ 6 | 2♑28 | 26♌10 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 4n35 | 10s26 | 0n 4 | 2s33 | 2s14 | 10n16 | 0s49 | 22n40 | 1n 4 | 8s49 | 0s44 | 3s 6 | 2n36 | 14s32 | 0n32 | 18s27 | 0n34 | 4s25 | 15n57 | 10s14 | 10s35 | 18s47 | 6n 8 | 6s49 |
| T 2 | 4 58 | 13 35 | 1 13 | 1 50 | 2 12 | 10 44 | 0 47 | 22 46 | 1 5 | 8 45 | 0 44 | 3 4 | 2 36 | 14 31 | 0 32 | 18 27 | 0 34 | 4 24 | 15 57 | 10 14 | 10 33 | 18 46 | 6 9 | 6 48 |
| W 3 | 5 22 | 16 3 | 2 17 | 1 5 | 2 9 | 11 12 | 0 45 | 22 52 | 1 5 | 8 40 | 0 44 | 3 2 | 2 36 | 14 30 | 0 32 | 18 27 | 0 34 | 4 24 | 15 57 | 10 15 | 10 32 | 18 46 | 6 11 | 6 47 |
| T 4 | 5 45 | 17 44 | 3 14 | 0 20 | 2 7 | 11 39 | 0 43 | 22 58 | 1 5 | 8 35 | 0 44 | 3 1 | 2 36 | 14 30 | 0 32 | 18 26 | 0 34 | 4 23 | 15 58 | 10 15 | 10 31 | 18 46 | 6 12 | 6 47 |
| F 5 | 6 7 | 18 37 | 4 2 | 0n26 | 2 3 | 12 6 | 0 41 | 23 4 | 1 6 | 8 30 | 0 44 | 2 59 | 2 36 | 14 29 | 0 32 | 18 26 | 0 34 | 4 23 | 15 58 | 10 16 | 10 30 | 18 45 | 6 14 | 6 46 |
| S 6 | 6 30 | 18 39 | 4 39 | 1 13 | 2 0 | 12 33 | 0 38 | 23 10 | 1 6 | 8 26 | 0 44 | 2 57 | 2 36 | 14 28 | 0 32 | 18 26 | 0 34 | 4 22 | 15 58 | 10 16 | 10 29 | 18 45 | 6 15 | 6 45 |
| S 7 | 6 53 | 17 52 | 5 4 | 2 0 | 1 55 | 13 0 | 0 36 | 23 16 | 1 6 | 8 21 | 0 44 | 2 55 | 2 36 | 14 28 | 0 32 | 18 26 | 0 34 | 4 21 | 15 59 | 10 16 | 10 28 | 18 44 | 6 16 | 6 44 |
| M 8 | 7 16 | 16 18 | 5 16 | 2 49 | 1 51 | 13 26 | 0 34 | 23 21 | 1 6 | 8 16 | 0 45 | 2 53 | 2 36 | 14 27 | 0 32 | 18 25 | 0 34 | 4 21 | 15 59 | 10 16 | 10 27 | 18 44 | 6 18 | 6 44 |
| T 9 | 7 38 | 14 0 | 5 14 | 3 38 | 1 45 | 13 52 | 0 31 | 23 26 | 1 7 | 8 12 | 0 45 | 2 51 | 2 36 | 14 26 | 0 32 | 18 25 | 0 34 | 4 20 | 15 59 | 10 16 | 10 25 | 18 44 | 6 19 | 6 43 |
| W10 | 8 0 | 11 3 | 4 59 | 4 28 | 1 40 | 14 18 | 0 29 | 23 31 | 1 7 | 8 7 | 0 45 | 2 50 | 2 36 | 14 25 | 0 32 | 18 25 | 0 34 | 4 20 | 16 0 | 10 16 | 10 24 | 18 43 | 6 20 | 6 42 |
| T 11 | 8 22 | 7 33 | 4 28 | 5 18 | 1 33 | 14 43 | 0 27 | 23 36 | 1 7 | 8 2 | 0 45 | 2 48 | 2 36 | 14 25 | 0 32 | 18 25 | 0 34 | 4 19 | 16 0 | 10 16 | 10 23 | 18 43 | 6 21 | 6 41 |
| F 12 | 8 45 | 3 37 | 3 44 | 6 9 | 1 27 | 15 8 | 0 24 | 23 40 | 1 8 | 7 58 | 0 45 | 2 46 | 2 36 | 14 24 | 0 32 | 18 24 | 0 34 | 4 19 | 16 0 | 10 15 | 10 22 | 18 42 | 6 23 | 6 41 |
| S 13 | 9 6 | 0n37 | 2 47 | 7 0 | 1 19 | 15 32 | 0 22 | 23 45 | 1 8 | 7 53 | 0 45 | 2 44 | 2 36 | 14 23 | 0 32 | 18 24 | 0 34 | 4 18 | 16 0 | 10 15 | 10 21 | 18 42 | 6 24 | 6 40 |
| S 14 | 9 28 | 4 56 | 1 39 | 7 52 | 1 12 | 15 57 | 0 19 | 23 49 | 1 8 | 7 49 | 0 45 | 2 43 | 2 36 | 14 22 | 0 32 | 18 24 | 0 34 | 4 18 | 16 1 | 10 15 | 10 20 | 18 42 | 6 25 | 6 39 |
| M15 | 9 50 | 9 6 | 0 23 | 8 44 | 1 3 | 16 20 | 0 17 | 23 53 | 1 8 | 7 44 | 0 46 | 2 41 | 2 36 | 14 22 | 0 32 | 18 24 | 0 34 | 4 17 | 16 1 | 10 15 | 10 19 | 18 41 | 6 26 | 6 38 |
| T 16 | 10 11 | 12 50 | 0s55 | 9 36 | 0 55 | 16 44 | 0 14 | 23 57 | 1 9 | 7 40 | 0 46 | 2 39 | 2 36 | 14 21 | 0 32 | 18 24 | 0 34 | 4 17 | 16 1 | 10 15 | 10 17 | 18 41 | 6 27 | 6 38 |
| W17 | 10 32 | 15 50 | 2 12 | 10 28 | 0 45 | 17 7 | 0 11 | 24 0 | 1 9 | 7 35 | 0 46 | 2 37 | 2 36 | 14 20 | 0 32 | 18 24 | 0 34 | 4 16 | 16 2 | 10 15 | 10 16 | 18 40 | 6 28 | 6 37 |
| T 18 | 10 53 | 17 52 | 3 20 | 11 20 | 0 36 | 17 29 | 0 9 | 24 4 | 1 9 | 7 31 | 0 46 | 2 36 | 2 36 | 14 19 | 0 32 | 18 23 | 0 34 | 4 16 | 16 2 | 10 15 | 10 15 | 18 40 | 6 29 | 6 36 |
| F 19 | 11 14 | 18 43 | 4 15 | 12 11 | 0 26 | 17 51 | 0 6 | 24 7 | 1 9 | 7 26 | 0 46 | 2 34 | 2 36 | 14 18 | 0 32 | 18 23 | 0 34 | 4 15 | 16 2 | 10 15 | 10 14 | 18 39 | 6 30 | 6 35 |
| S 20 | 11 35 | 18 20 | 4 54 | 13 2 | 0 16 | 18 13 | 0 3 | 24 10 | 1 10 | 7 22 | 0 46 | 2 32 | 2 36 | 14 18 | 0 32 | 18 23 | 0 34 | 4 15 | 16 2 | 10 15 | 10 13 | 18 39 | 6 31 | 6 34 |
| S 21 | 11 55 | 16 46 | 5 14 | 13 53 | 0 5 | 18 34 | 0 1 | 24 13 | 1 10 | 7 17 | 0 47 | 2 31 | 2 36 | 14 17 | 0 32 | 18 23 | 0 34 | 4 14 | 16 3 | 10 15 | 10 12 | 18 38 | 6 32 | 6 34 |
| M22 | 12 16 | 14 13 | 5 15 | 14 43 | 0n 6 | 18 54 | 0n 2 | 24 15 | 1 10 | 7 13 | 0 47 | 2 29 | 2 36 | 14 16 | 0 32 | 18 23 | 0 34 | 4 14 | 16 3 | 10 15 | 10 11 | 18 38 | 6 33 | 6 33 |
| T 23 | 12 36 | 10 53 | 4 57 | 15 32 | 0 17 | 19 14 | 0 5 | 24 18 | 1 10 | 7 9 | 0 47 | 2 28 | 2 35 | 14 15 | 0 32 | 18 23 | 0 34 | 4 13 | 16 3 | 10 15 | 10 9 | 18 38 | 6 34 | 6 32 |
| W24 | 12 56 | 7 0 | 4 23 | 16 20 | 0 28 | 19 34 | 0 7 | 24 20 | 1 10 | 7 5 | 0 47 | 2 26 | 2 35 | 14 15 | 0 32 | 18 23 | 0 34 | 4 13 | 16 3 | 10 15 | 10 8 | 18 37 | 6 35 | 6 31 |
| T 25 | 13 15 | 2 50 | 3 34 | 17 6 | 0 39 | 19 53 | 0 10 | 24 22 | 1 11 | 7 0 | 0 47 | 2 24 | 2 35 | 14 14 | 0 32 | 18 23 | 0 34 | 4 12 | 16 3 | 10 15 | 10 7 | 18 37 | 6 36 | 6 30 |
| F 26 | 13 35 | 1s25 | 2 35 | 17 51 | 0 50 | 20 12 | 0 13 | 24 24 | 1 11 | 6 56 | 0 47 | 2 23 | 2 35 | 14 13 | 0 32 | 18 22 | 0 34 | 4 12 | 16 4 | 10 16 | 10 6 | 18 36 | 6 37 | 6 30 |
| S 27 | 13 54 | 5 31 | 1 29 | 18 34 | 1 1 | 20 30 | 0 16 | 24 25 | 1 11 | 6 52 | 0 48 | 2 21 | 2 35 | 14 12 | 0 32 | 18 22 | 0 34 | 4 11 | 16 4 | 10 16 | 10 5 | 18 36 | 6 37 | 6 29 |
| S 28 | 14 13 | 9 19 | 0 19 | 19 15 | 1 12 | 20 47 | 0 18 | 24 27 | 1 11 | 6 48 | 0 48 | 2 20 | 2 35 | 14 11 | 0 32 | 18 22 | 0 34 | 4 11 | 16 4 | 10 16 | 10 4 | 18 35 | 6 38 | 6 28 |
| M29 | 14 32 | 12 38 | 0n51 | 19 54 | 1 22 | 21 4 | 0 21 | 24 28 | 1 11 | 6 44 | 0 48 | 2 19 | 2 35 | 14 11 | 0 32 | 18 22 | 0 34 | 4 10 | 16 4 | 10 16 | 10 3 | 18 35 | 6 39 | 6 27 |
| T 30 | 14n50 | 15s20 | 1n57 | 20n31 | 1n32 | 21n20 | 0n24 | 24n29 | 1n11 | 6s40 | 0s48 | 2s17 | 2n35 | 14s10 | 0n32 | 18s22 | 0n34 | 4s10 | 16n 4 | 10s16 | 10s 1 | 18s34 | 6n39 | 6s26 |

Julian Day Number = 2810303.5, Delta T = 52m58s
Ecliptic obliquity = 23°18'36, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'25, Lahiri = 37°36'25


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# ASTRODIENST EPHEMERIS for the year 2982
# geocentric

## MAY 2982 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 37 51 | 11♉18'00 | 0♐33 | 27♉14 | 5♊51 | 28♊13 | 15♓ 4 | 11°R48 | 9°R44 | 5♒ 0 | 29°R15 | 26°R44 | 26♎ 3 | 2♑34 | 26♌11 | W 1 |
| T 2 | 14 41 48 | 12°16'45 | 12°37 | 28°58 | 7° 5 | 28°52 | 15°15 | 11♎44 | 9♏41 | 5° 0 | 29♏13 | 26♎42 | 25°59 | 2°41 | 26°11 | T 2 |
| F 3 | 14 45 44 | 13°15'28 | 24°35 | 0♊38 | 8°18 | 29°31 | 15°26 | 11°40 | 9°39 | 5° 0 | 29°11 | 26°39 | 25°56 | 2°48 | 26°12 | F 3 |
| S 4 | 14 49 41 | 14°14'09 | 6♑28 | 2°14 | 9°31 | 0♋10 | 15°36 | 11°37 | 9°36 | 5° 0 | 29°10 | 26°36 | 25°53 | 2°54 | 26°13 | S 4 |
| S 5 | 14 53 37 | 15°12'49 | 18°20 | 3°46 | 10°44 | 0°49 | 15°47 | 11°33 | 9°34 | 5° 0 | 29° 8 | 26°34 | 25°50 | 3° 1 | 26°14 | S 5 |
| M 6 | 14 57 34 | 16°11'27 | 0♒15 | 5°13 | 11°57 | 1°28 | 15°57 | 11°30 | 9°31 | 5° 0 | 29° 7 | 26°32 | 25°47 | 3° 8 | 26°14 | M 6 |
| T 7 | 15 1 31 | 17°10'03 | 12°16 | 6°36 | 13°10 | 2° 7 | 16° 8 | 11°26 | 9°28 | 5°R 0 | 29° 5 | 26°D31 | 25°44 | 3°15 | 26°16 | T 7 |
| W 8 | 15 5 27 | 18° 8'38 | 24°30 | 7°55 | 14°23 | 2°46 | 16°18 | 11°23 | 9°26 | 5° 0 | 29° 3 | 26°32 | 25°40 | 3°21 | 26°17 | W 8 |
| T 9 | 15 9 24 | 19° 7'11 | 6♓59 | 9° 8 | 15°36 | 3°25 | 16°28 | 11°20 | 9°23 | 5° 0 | 29° 2 | 26°32 | 25°37 | 3°28 | 26°18 | T 9 |
| F 10 | 15 13 20 | 20° 5'42 | 19°48 | 10°17 | 16°49 | 4° 4 | 16°38 | 11°16 | 9°21 | 5° 0 | 29° 0 | 26°34 | 25°34 | 3°35 | 26°20 | F 10 |
| S 11 | 15 17 17 | 21° 4'12 | 3♈ 1 | 11°20 | 18° 2 | 4°43 | 16°48 | 11°13 | 9°18 | 5° 0 | 28°58 | 26°35 | 25°31 | 3°41 | 26°21 | S 11 |
| S 12 | 15 21 13 | 22° 2'40 | 16°39 | 12°18 | 19°15 | 5°22 | 16°58 | 11°10 | 9°16 | 5° 0 | 28°57 | 26°37 | 25°28 | 3°48 | 26°23 | S 12 |
| M13 | 15 25 10 | 23° 1'07 | 0♉43 | 13°12 | 20°28 | 6° 1 | 17° 7 | 11° 7 | 9°13 | 4°59 | 28°55 | 26°R37 | 25°24 | 3°55 | 26°24 | M13 |
| T 14 | 15 29 6 | 23°59'32 | 15°11 | 13°59 | 21°41 | 6°40 | 17°17 | 11° 4 | 9°11 | 4°59 | 28°53 | 26°36 | 25°21 | 4° 1 | 26°26 | T 14 |
| W15 | 15 33 3 | 24°57'55 | 29°56 | 14°42 | 22°53 | 7°19 | 17°26 | 11° 2 | 9° 8 | 4°59 | 28°52 | 26°33 | 25°18 | 4° 8 | 26°28 | W15 |
| T 16 | 15 37 0 | 25°56'17 | 14♊53 | 15°19 | 24° 6 | 7°57 | 17°35 | 10°59 | 9° 6 | 4°59 | 28°50 | 26°30 | 25°15 | 4°15 | 26°30 | T 16 |
| F 17 | 15 40 56 | 26°54'37 | 29°52 | 15°51 | 25°19 | 8°36 | 17°44 | 10°56 | 9° 4 | 4°58 | 28°48 | 26°26 | 25°12 | 4°22 | 26°32 | F 17 |
| S 18 | 15 44 53 | 27°52'54 | 14♋45 | 16°17 | 26°31 | 9°15 | 17°54 | 10°54 | 9° 1 | 4°58 | 28°47 | 26°21 | 25° 9 | 4°28 | 26°35 | S 18 |
| S 19 | 15 48 49 | 28°51'10 | 29°24 | 16°38 | 27°44 | 9°54 | 18° 2 | 10°52 | 8°59 | 4°58 | 28°45 | 26°18 | 25° 5 | 4°35 | 26°37 | S 19 |
| M20 | 15 52 46 | 29°49'24 | 13♌44 | 16°54 | 28°56 | 10°33 | 18°11 | 10°49 | 8°56 | 4°57 | 28°43 | 26°15 | 25° 2 | 4°42 | 26°39 | M20 |
| T 21 | 15 56 42 | 0♊47'36 | 27°42 | 17° 4 | 0♋ 8 | 11°11 | 18°20 | 10°47 | 8°54 | 4°57 | 28°42 | 26°D14 | 24°59 | 4°48 | 26°42 | T 21 |
| W22 | 16 0 39 | 1°45'46 | 11♍18 | 17°R 9 | 1°21 | 11°50 | 18°28 | 10°45 | 8°52 | 4°56 | 28°40 | 26°15 | 24°56 | 4°55 | 26°45 | W22 |
| T 23 | 16 4 35 | 2°43'53 | 24°34 | 17° 9 | 2°33 | 12°29 | 18°37 | 10°43 | 8°49 | 4°56 | 28°38 | 26°16 | 24°53 | 5° 2 | 26°47 | T 23 |
| F 24 | 16 8 32 | 3°41'59 | 7♎32 | 17° 3 | 3°45 | 13° 8 | 18°45 | 10°41 | 8°47 | 4°55 | 28°36 | 26°17 | 24°50 | 5° 9 | 26°50 | F 24 |
| S 25 | 16 12 29 | 4°40'03 | 20°13 | 16°53 | 4°58 | 13°46 | 18°53 | 10°39 | 8°45 | 4°55 | 28°35 | 26°R18 | 24°46 | 5°15 | 26°53 | S 25 |
| S 26 | 16 16 25 | 5°38'06 | 2♏42 | 16°39 | 6°10 | 14°25 | 19° 1 | 10°37 | 8°43 | 4°54 | 28°33 | 26°18 | 24°43 | 5°22 | 26°56 | S 26 |
| M27 | 16 20 22 | 6°36'06 | 15° 1 | 16°20 | 7°22 | 15° 4 | 19° 9 | 10°36 | 8°40 | 4°53 | 28°31 | 26°17 | 24°40 | 5°29 | 26°59 | M27 |
| T 28 | 16 24 18 | 7°34'05 | 27°10 | 15°57 | 8°34 | 15°42 | 19°16 | 10°34 | 8°38 | 4°53 | 28°30 | 26°13 | 24°37 | 5°35 | 27° 2 | T 28 |
| W29 | 16 28 15 | 8°32'03 | 9♐13 | 15°31 | 9°46 | 16°21 | 19°24 | 10°33 | 8°36 | 4°52 | 28°28 | 26° 7 | 24°34 | 5°42 | 27° 6 | W29 |
| T 30 | 16 32 11 | 9°29'59 | 21°11 | 15° 3 | 10°58 | 17° 0 | 19°31 | 10°31 | 8°34 | 4°51 | 28°26 | 26° 0 | 24°30 | 5°49 | 27° 9 | T 30 |
| F 31 | 16 36 8 | 10♊27'53 | 3♑ 5 | 14♊31 | 12♋ 9 | 17♋38 | 19♓39 | 10♎30 | 8♏32 | 4♒51 | 28♏25 | 25♎52 | 24♎27 | 5♑56 | 27♌13 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15n 8 | 17s17 | 2n56 | 21n 5 | 1n42 | 21n36 | 0n27 | 24n29 | 1n12 | 6s36 | 0s48 | 2s16 | 2n35 | 14s 9 | 0n32 | 18s22 | 0n34 | 4s 9 | 16n 4 | 10s15 | 10s 0 | 18s34 | 6n40 | 6s25 |
| T 2 | 15 26 | 18 26 | 3 47 | 21 38 | 1 51 | 21 51 | 0 29 | 24 30 | 1 12 | 6 32 | 0 49 | 2 14 | 2 35 | 14 8 | 0 32 | 18 22 | 0 34 | 4 9 | 16 4 | 10 14 | 9 59 | 18 33 | 6 41 | 6 25 |
| F 3 | 15 44 | 18 45 | 4 27 | 22 8 | 2 0 | 22 6 | 0 32 | 24 30 | 1 12 | 6 28 | 0 49 | 2 13 | 2 35 | 14 7 | 0 32 | 18 22 | 0 34 | 4 9 | 16 5 | 10 13 | 9 58 | 18 33 | 6 41 | 6 24 |
| S 4 | 16 1 | 18 13 | 4 56 | 22 35 | 2 8 | 22 20 | 0 35 | 24 31 | 1 12 | 6 24 | 0 49 | 2 12 | 2 34 | 14 7 | 0 32 | 18 22 | 0 34 | 4 8 | 16 5 | 10 12 | 9 57 | 18 32 | 6 42 | 6 23 |
| S 5 | 16 19 | 16 55 | 5 12 | 23 0 | 2 15 | 22 33 | 0 37 | 24 31 | 1 12 | 6 20 | 0 49 | 2 11 | 2 34 | 14 6 | 0 32 | 18 22 | 0 34 | 4 8 | 16 5 | 10 12 | 9 56 | 18 32 | 6 42 | 6 22 |
| M 6 | 16 36 | 14 52 | 5 15 | 23 22 | 2 21 | 22 46 | 0 40 | 24 30 | 1 12 | 6 16 | 0 49 | 2 9 | 2 34 | 14 5 | 0 32 | 18 22 | 0 34 | 4 7 | 16 5 | 10 11 | 9 55 | 18 31 | 6 43 | 6 21 |
| T 7 | 16 52 | 12 10 | 5 3 | 23 42 | 2 27 | 22 58 | 0 43 | 24 30 | 1 12 | 6 12 | 0 49 | 2 8 | 2 34 | 14 4 | 0 32 | 18 22 | 0 34 | 4 7 | 16 5 | 10 11 | 9 53 | 18 31 | 6 43 | 6 21 |
| W 8 | 17 8 | 8 54 | 4 39 | 24 0 | 2 31 | 23 9 | 0 46 | 24 29 | 1 13 | 6 9 | 0 50 | 2 7 | 2 34 | 14 3 | 0 32 | 18 22 | 0 34 | 4 7 | 16 5 | 10 11 | 9 52 | 18 30 | 6 43 | 6 20 |
| T 9 | 17 25 | 5 11 | 4 0 | 24 15 | 2 35 | 23 20 | 0 48 | 24 29 | 1 13 | 6 5 | 0 50 | 2 6 | 2 34 | 14 3 | 0 32 | 18 22 | 0 34 | 4 6 | 16 5 | 10 11 | 9 51 | 18 30 | 6 44 | 6 19 |
| F 10 | 17 40 | 1 7 | 3 9 | 24 28 | 2 38 | 23 30 | 0 51 | 24 28 | 1 13 | 6 1 | 0 50 | 2 5 | 2 34 | 14 2 | 0 32 | 18 22 | 0 34 | 4 6 | 16 5 | 10 12 | 9 50 | 18 29 | 6 44 | 6 18 |
| S 11 | 17 56 | 3n 7 | 2 6 | 24 39 | 2 39 | 23 40 | 0 53 | 24 26 | 1 13 | 5 57 | 0 50 | 2 4 | 2 33 | 14 1 | 0 32 | 18 22 | 0 34 | 4 5 | 16 5 | 10 12 | 9 49 | 18 29 | 6 44 | 6 17 |
| S 12 | 18 11 | 7 21 | 0 55 | 24 48 | 2 40 | 23 48 | 0 56 | 24 25 | 1 13 | 5 54 | 0 50 | 2 3 | 2 33 | 14 0 | 0 32 | 18 22 | 0 34 | 4 5 | 16 5 | 10 13 | 9 48 | 18 28 | 6 45 | 6 16 |
| M13 | 18 26 | 11 19 | 0s23 | 24 54 | 2 40 | 23 57 | 0 59 | 24 24 | 1 13 | 5 50 | 0 51 | 2 2 | 2 33 | 13 59 | 0 32 | 18 22 | 0 34 | 4 5 | 16 5 | 10 13 | 9 47 | 18 28 | 6 45 | 6 16 |
| T 14 | 18 40 | 14 42 | 1 40 | 24 58 | 2 38 | 24 4 | 1 1 | 24 22 | 1 13 | 5 47 | 0 51 | 2 1 | 2 33 | 13 59 | 0 32 | 18 22 | 0 34 | 4 4 | 16 5 | 10 12 | 9 45 | 18 27 | 6 45 | 6 15 |
| W15 | 18 54 | 17 13 | 2 53 | 25 1 | 2 36 | 24 11 | 1 4 | 24 20 | 1 13 | 5 43 | 0 51 | 2 0 | 2 33 | 13 58 | 0 32 | 18 22 | 0 34 | 4 4 | 16 5 | 10 11 | 9 44 | 18 27 | 6 45 | 6 14 |
| T 16 | 19 8 | 18 35 | 3 54 | 25 1 | 2 32 | 24 17 | 1 6 | 24 18 | 1 13 | 5 40 | 0 51 | 1 59 | 2 33 | 13 57 | 0 32 | 18 22 | 0 34 | 4 4 | 16 5 | 10 10 | 9 43 | 18 26 | 6 45 | 6 13 |
| F 17 | 19 22 | 18 39 | 4 40 | 25 0 | 2 27 | 24 22 | 1 9 | 24 15 | 1 14 | 5 37 | 0 52 | 1 58 | 2 32 | 13 56 | 0 31 | 18 22 | 0 34 | 4 3 | 16 5 | 10 9 | 9 42 | 18 26 | 6 45 | 6 12 |
| S 18 | 19 35 | 17 26 | 5 6 | 24 56 | 2 21 | 24 27 | 1 11 | 24 13 | 1 14 | 5 33 | 0 52 | 1 57 | 2 32 | 13 56 | 0 31 | 18 22 | 0 34 | 4 3 | 16 5 | 10 7 | 9 41 | 18 25 | 6 45 | 6 12 |
| S 19 | 19 48 | 15 5 | 5 12 | 24 51 | 2 13 | 24 31 | 1 13 | 24 10 | 1 14 | 5 30 | 0 52 | 1 56 | 2 32 | 13 55 | 0 31 | 18 22 | 0 34 | 4 3 | 16 5 | 10 6 | 9 40 | 18 25 | 6 45 | 6 11 |
| M20 | 20 0 | 11 51 | 4 58 | 24 44 | 2 5 | 24 34 | 1 16 | 24 7 | 1 14 | 5 27 | 0 52 | 1 56 | 2 32 | 13 54 | 0 31 | 18 22 | 0 34 | 4 3 | 16 5 | 10 5 | 9 38 | 18 24 | 6 45 | 6 10 |
| T 21 | 20 12 | 8 2 | 4 27 | 24 36 | 1 55 | 24 37 | 1 18 | 24 4 | 1 14 | 5 24 | 0 52 | 1 55 | 2 32 | 13 53 | 0 31 | 18 23 | 0 34 | 4 2 | 16 5 | 10 4 | 9 37 | 18 24 | 6 45 | 6 9 |
| W22 | 20 24 | 3 52 | 3 41 | 24 26 | 1 45 | 24 38 | 1 20 | 24 1 | 1 14 | 5 21 | 0 53 | 1 54 | 2 31 | 13 53 | 0 31 | 18 23 | 0 34 | 4 2 | 16 5 | 10 5 | 9 36 | 18 23 | 6 45 | 6 8 |
| T 23 | 20 36 | 0s22 | 2 44 | 24 14 | 1 33 | 24 40 | 1 22 | 23 57 | 1 14 | 5 18 | 0 53 | 1 54 | 2 31 | 13 52 | 0 31 | 18 23 | 0 34 | 4 2 | 16 5 | 10 5 | 9 35 | 18 23 | 6 45 | 6 8 |
| F 24 | 20 47 | 4 31 | 1 41 | 24 0 | 1 20 | 24 40 | 1 25 | 23 54 | 1 14 | 5 15 | 0 53 | 1 53 | 2 31 | 13 51 | 0 31 | 18 23 | 0 34 | 4 2 | 16 5 | 10 6 | 9 34 | 18 22 | 6 45 | 6 7 |
| S 25 | 20 57 | 8 22 | 0 33 | 23 46 | 1 6 | 24 40 | 1 27 | 23 50 | 1 14 | 5 12 | 0 53 | 1 53 | 2 31 | 13 51 | 0 31 | 18 23 | 0 34 | 4 1 | 16 5 | 10 6 | 9 33 | 18 21 | 6 44 | 6 6 |
| S 26 | 21 8 | 11 48 | 0n35 | 23 30 | 0 51 | 24 39 | 1 29 | 23 46 | 1 14 | 5 9 | 0 54 | 1 52 | 2 31 | 13 50 | 0 31 | 18 23 | 0 34 | 4 1 | 16 5 | 10 6 | 9 31 | 18 21 | 6 44 | 6 5 |
| M27 | 21 18 | 14 40 | 1 40 | 23 12 | 0 36 | 24 37 | 1 31 | 23 41 | 1 14 | 5 6 | 0 54 | 1 52 | 2 30 | 13 49 | 0 31 | 18 23 | 0 34 | 4 1 | 16 4 | 10 5 | 9 30 | 18 20 | 6 44 | 6 4 |
| T 28 | 21 27 | 16 50 | 2 39 | 22 54 | 0 19 | 24 35 | 1 33 | 23 37 | 1 14 | 5 3 | 0 54 | 1 51 | 2 30 | 13 49 | 0 31 | 18 23 | 0 34 | 4 1 | 16 4 | 10 4 | 9 29 | 18 20 | 6 44 | 6 4 |
| W29 | 21 36 | 18 14 | 3 31 | 22 34 | 0 2 | 24 32 | 1 35 | 23 33 | 1 14 | 5 0 | 0 54 | 1 51 | 2 30 | 13 48 | 0 31 | 18 24 | 0 34 | 4 0 | 16 4 | 10 2 | 9 28 | 18 19 | 6 43 | 6 3 |
| T 30 | 21 45 | 18 48 | 4 13 | 22 14 | 0s15 | 24 28 | 1 37 | 23 28 | 1 14 | 4 58 | 0 55 | 1 51 | 2 30 | 13 47 | 0 31 | 18 24 | 0 34 | 4 0 | 16 4 | 9 59 | 9 27 | 18 19 | 6 43 | 6 2 |
| F 31 | 21n54 | 18s33 | 4n44 | 21n53 | 0s33 | 24n23 | 1n38 | 23n23 | 1n14 | 4s55 | 0s55 | 1s50 | 2n30 | 13s47 | 0n31 | 18s24 | 0n34 | 4s 0 | 16n 4 | 9s56 | 9s26 | 18s18 | 6n42 | 6s 1 |

Julian Day Number = 2810333.5, Delta T = 52m58s
Ecliptic obliquity = 23°18'35, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'29, Lahiri = 37°36'29


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# ASTRODIENST EPHEMERIS for the year 2982
# geocentric

## JUNE 2982 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 40 4 | 11♊25'47 | 14♉58 | 13°R58 | 13♋21 | 18♋17 | 19♓46 | 10°R29 | 8°R30 | 4°R50 | 28°R23 | 25°R43 | 24♎24 | 6♉ 2 | 27♌16 | S 1 |
| S 2 | 16 44 1 | 12°23'38 | 26°50 | 13♊24 | 14°33 | 18°55 | 19°53 | 10♎28 | 8♏28 | 4♒49 | 28♏22 | 25♎36 | 24°21 | 6° 9 | 27°20 | S 2 |
| M 3 | 16 47 58 | 13°21'29 | 8♒45 | 12°49 | 15°45 | 19°34 | 19°59 | 10°27 | 8°26 | 4°48 | 28°20 | 25°29 | 24°18 | 6°16 | 27°24 | M 3 |
| T 4 | 16 51 54 | 14°19'18 | 20°47 | 12°14 | 16°56 | 20°13 | 20° 6 | 10°26 | 8°24 | 4°47 | 28°18 | 25°24 | 24°15 | 6°23 | 27°27 | T 4 |
| W 5 | 16 55 51 | 15°17'07 | 2♓59 | 11°40 | 18° 8 | 20°51 | 20°13 | 10°25 | 8°22 | 4°46 | 28°17 | 25°21 | 24°11 | 6°29 | 27°31 | W 5 |
| T 6 | 16 59 47 | 16°14'54 | 15°24 | 11° 7 | 19°19 | 21°30 | 20°19 | 10°25 | 8°20 | 4°46 | 28°15 | 25°D20 | 24° 8 | 6°36 | 27°35 | T 6 |
| F 7 | 17 3 44 | 17°12'40 | 28° 9 | 10°35 | 20°31 | 22° 8 | 20°25 | 10°24 | 8°18 | 4°45 | 28°14 | 25°21 | 24° 5 | 6°43 | 27°40 | F 7 |
| S 8 | 17 7 40 | 18°10'25 | 11♈16 | 10° 6 | 21°42 | 22°47 | 20°31 | 10°24 | 8°17 | 4°44 | 28°12 | 25°22 | 24° 2 | 6°49 | 27°44 | S 8 |
| S 9 | 17 11 37 | 19° 8'09 | 24°50 | 9°40 | 22°53 | 23°25 | 20°37 | 10°23 | 8°15 | 4°43 | 28°10 | 25°R22 | 23°59 | 6°56 | 27°48 | S 9 |
| M10 | 17 15 33 | 20° 5'52 | 8♉53 | 9°17 | 24° 5 | 24° 3 | 20°43 | 10°23 | 8°13 | 4°42 | 28° 9 | 25°22 | 23°56 | 7° 3 | 27°52 | M10 |
| T 11 | 17 19 30 | 21° 3'34 | 23°22 | 8°57 | 25°16 | 24°42 | 20°48 | 10°23 | 8°12 | 4°41 | 28° 7 | 25°19 | 23°52 | 7°10 | 27°57 | T 11 |
| W12 | 17 23 27 | 22° 1'15 | 8♊15 | 8°41 | 26°27 | 25°20 | 20°54 | 10°D23 | 8°10 | 4°40 | 28° 6 | 25°14 | 23°49 | 7°16 | 28° 1 | W12 |
| T 13 | 17 27 23 | 22°58'56 | 23°25 | 8°30 | 27°38 | 25°59 | 20°59 | 10°23 | 8° 8 | 4°38 | 28° 4 | 25° 7 | 23°46 | 7°23 | 28° 6 | T 13 |
| F 14 | 17 31 20 | 23°56'34 | 8♋41 | 8°22 | 28°49 | 26°37 | 21° 4 | 10°23 | 8° 7 | 4°37 | 28° 3 | 24°58 | 23°43 | 7°30 | 28°11 | F 14 |
| S 15 | 17 35 16 | 24°54'12 | 23°52 | 8°D19 | 29°59 | 27°16 | 21° 9 | 10°24 | 8° 5 | 4°36 | 28° 1 | 24°49 | 23°40 | 7°36 | 28°15 | S 15 |
| S 16 | 17 39 13 | 25°51'49 | 8♌49 | 8°20 | 1♌11 | 27°54 | 21°13 | 10°24 | 8° 4 | 4°35 | 28° 0 | 24°42 | 23°36 | 7°43 | 28°20 | S 16 |
| M17 | 17 43 9 | 26°49'24 | 23°23 | 8°25 | 2°21 | 28°32 | 21°18 | 10°25 | 8° 2 | 4°34 | 27°59 | 24°36 | 23°33 | 7°50 | 28°25 | M17 |
| T 18 | 17 47 6 | 27°46'57 | 7♍31 | 8°35 | 3°32 | 29°11 | 21°22 | 10°25 | 8° 1 | 4°33 | 27°57 | 24°32 | 23°30 | 7°57 | 28°30 | T 18 |
| W19 | 17 51 2 | 28°44'30 | 21°11 | 8°50 | 4°43 | 29°49 | 21°26 | 10°26 | 8° 0 | 4°31 | 27°56 | 24°30 | 23°27 | 8° 3 | 28°35 | W19 |
| T 20 | 17 54 59 | 29°42'01 | 4♎25 | 9° 9 | 5°53 | 0♌27 | 21°30 | 10°27 | 7°58 | 4°30 | 27°54 | 24°D30 | 23°24 | 8°10 | 28°40 | T 20 |
| F 21 | 17 58 56 | 0♋39'31 | 17°16 | 9°32 | 7° 4 | 1° 6 | 21°34 | 10°28 | 7°57 | 4°29 | 27°53 | 24°30 | 23°21 | 8°17 | 28°46 | F 21 |
| S 22 | 18 2 52 | 1°36'59 | 29°49 | 9°59 | 8°14 | 1°44 | 21°38 | 10°29 | 7°56 | 4°28 | 27°52 | 24°R30 | 23°17 | 8°23 | 28°51 | S 22 |
| S 23 | 18 6 49 | 2°34'27 | 12♏ 7 | 10°31 | 9°24 | 2°22 | 21°41 | 10°30 | 7°55 | 4°26 | 27°50 | 24°29 | 23°14 | 8°30 | 28°56 | S 23 |
| M24 | 18 10 45 | 3°31'54 | 24°14 | 11° 7 | 10°34 | 3° 1 | 21°45 | 10°31 | 7°54 | 4°25 | 27°49 | 24°25 | 23°11 | 8°37 | 29° 2 | M24 |
| T 25 | 18 14 42 | 4°29'19 | 6♐15 | 11°48 | 11°45 | 3°39 | 21°48 | 10°32 | 7°53 | 4°24 | 27°48 | 24°19 | 23° 8 | 8°44 | 29° 7 | T 25 |
| W26 | 18 18 38 | 5°26'44 | 18°10 | 12°32 | 12°55 | 4°17 | 21°51 | 10°34 | 7°52 | 4°22 | 27°47 | 24°10 | 23° 5 | 8°50 | 29°13 | W26 |
| T 27 | 18 22 35 | 6°24'07 | 0♑ 3 | 13°20 | 14° 4 | 4°55 | 21°53 | 10°35 | 7°51 | 4°21 | 27°45 | 23°59 | 23° 2 | 8°57 | 29°18 | T 27 |
| F 28 | 18 26 31 | 7°21'30 | 11°56 | 14°12 | 15°14 | 5°33 | 21°56 | 10°37 | 7°50 | 4°20 | 27°44 | 23°46 | 22°58 | 9° 4 | 29°24 | F 28 |
| S 29 | 18 30 28 | 8°18'53 | 23°49 | 15° 7 | 16°24 | 6°12 | 21°58 | 10°38 | 7°49 | 4°18 | 27°43 | 23°33 | 22°55 | 9°10 | 29°30 | S 29 |
| S 30 | 18 34 25 | 9♋16'14 | 5♒44 | 16♊ 7 | 17♌34 | 6♌50 | 22♓ 0 | 10♎40 | 7♏48 | 4♒17 | 27♏42 | 23♎20 | 22♎52 | 9♑17 | 29♌36 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n 2 | 17s28 | 5n 2 | 21n31 | 0s50 | 24n18 | 1n40 | 23n18 | 1n14 | 4s53 | 0s55 | 1s50 | 2n29 | 13s46 | 0n31 | 18s24 | 0n34 | 4s 0 | 16n 4 | 9s53 | 9s25 | 18s18 | 6n42 | 6s 1 |
| S 2 | 22 9 | 15 39 | 5 7 | 21 9 | 1 8 | 24 13 | 1 42 | 23 12 | 1 14 | 4 50 | 0 55 | 1 50 | 2 29 | 13 45 | 0 31 | 18 24 | 0 34 | 4 0 | 16 4 | 9 51 | 9 23 | 18 17 | 6 41 | 6 0 |
| M 3 | 22 17 | 13 9 | 4 59 | 20 48 | 1 26 | 24 6 | 1 44 | 23 7 | 1 14 | 4 48 | 0 55 | 1 50 | 2 29 | 13 45 | 0 31 | 18 25 | 0 34 | 4 0 | 16 3 | 9 48 | 9 22 | 18 16 | 6 41 | 5 59 |
| T 4 | 22 24 | 10 5 | 4 38 | 20 26 | 1 43 | 23 59 | 1 45 | 23 1 | 1 14 | 4 45 | 0 56 | 1 50 | 2 29 | 13 44 | 0 31 | 18 25 | 0 34 | 3 59 | 16 3 | 9 46 | 9 21 | 18 16 | 6 40 | 5 58 |
| W 5 | 22 30 | 6 33 | 4 4 | 20 5 | 1 59 | 23 51 | 1 47 | 22 56 | 1 14 | 4 43 | 0 56 | 1 49 | 2 29 | 13 44 | 0 31 | 18 25 | 0 34 | 3 59 | 16 3 | 9 45 | 9 20 | 18 15 | 6 40 | 5 58 |
| T 6 | 22 36 | 2 41 | 3 18 | 19 45 | 2 15 | 23 42 | 1 48 | 22 50 | 1 14 | 4 41 | 0 56 | 1 49 | 2 28 | 13 43 | 0 31 | 18 25 | 0 34 | 3 59 | 16 3 | 9 45 | 9 19 | 18 15 | 6 39 | 5 57 |
| F 7 | 22 42 | 1n26 | 2 21 | 19 26 | 2 31 | 23 33 | 1 49 | 22 43 | 1 14 | 4 39 | 0 56 | 1 49 | 2 28 | 13 43 | 0 31 | 18 25 | 0 34 | 3 59 | 16 3 | 9 45 | 9 18 | 18 14 | 6 38 | 5 56 |
| S 8 | 22 47 | 5 35 | 1 15 | 19 8 | 2 45 | 23 23 | 1 51 | 22 37 | 1 14 | 4 36 | 0 57 | 1 49 | 2 28 | 13 42 | 0 31 | 18 26 | 0 34 | 3 59 | 16 2 | 9 46 | 9 16 | 18 13 | 6 37 | 5 55 |
| S 9 | 22 52 | 9 37 | 0 3 | 18 51 | 2 58 | 23 13 | 1 52 | 22 31 | 1 14 | 4 34 | 0 57 | 1 50 | 2 28 | 13 41 | 0 31 | 18 26 | 0 34 | 3 59 | 16 2 | 9 46 | 9 15 | 18 13 | 6 37 | 5 55 |
| M10 | 22 57 | 13 15 | 1s12 | 18 35 | 3 10 | 23 2 | 1 53 | 22 24 | 1 14 | 4 32 | 0 57 | 1 50 | 2 27 | 13 41 | 0 31 | 18 26 | 0 34 | 3 59 | 16 2 | 9 45 | 9 14 | 18 12 | 6 36 | 5 54 |
| T 11 | 23 1 | 16 11 | 2 24 | 18 21 | 3 21 | 22 50 | 1 54 | 22 17 | 1 14 | 4 30 | 0 57 | 1 50 | 2 27 | 13 40 | 0 31 | 18 26 | 0 34 | 3 59 | 16 2 | 9 44 | 9 13 | 18 12 | 6 35 | 5 53 |
| W12 | 23 4 | 18 8 | 3 29 | 18 9 | 3 31 | 22 38 | 1 55 | 22 10 | 1 14 | 4 29 | 0 58 | 1 50 | 2 27 | 13 40 | 0 31 | 18 27 | 0 34 | 3 59 | 16 1 | 9 43 | 9 12 | 18 11 | 6 34 | 5 53 |
| T 13 | 23 7 | 18 50 | 4 20 | 17 59 | 3 40 | 22 25 | 1 56 | 22 3 | 1 14 | 4 27 | 0 58 | 1 50 | 2 27 | 13 39 | 0 31 | 18 27 | 0 34 | 3 59 | 16 1 | 9 40 | 9 11 | 18 10 | 6 33 | 5 52 |
| F 14 | 23 10 | 18 10 | 4 52 | 17 50 | 3 47 | 22 11 | 1 57 | 21 56 | 1 14 | 4 25 | 0 58 | 1 51 | 2 27 | 13 39 | 0 31 | 18 27 | 0 34 | 3 59 | 16 1 | 9 37 | 9 9 | 18 10 | 6 32 | 5 51 |
| S 15 | 23 13 | 16 13 | 5 4 | 17 44 | 3 54 | 21 57 | 1 57 | 21 48 | 1 14 | 4 23 | 0 59 | 1 51 | 2 26 | 13 39 | 0 31 | 18 27 | 0 34 | 3 59 | 16 0 | 9 34 | 9 8 | 18 9 | 6 31 | 5 51 |
| S 16 | 23 15 | 13 12 | 4 55 | 17 39 | 3 59 | 21 43 | 1 58 | 21 41 | 1 14 | 4 22 | 0 59 | 1 51 | 2 26 | 13 38 | 0 31 | 18 28 | 0 34 | 3 59 | 16 0 | 9 31 | 9 7 | 18 9 | 6 30 | 5 50 |
| M17 | 23 16 | 9 26 | 4 27 | 17 36 | 4 2 | 21 27 | 1 59 | 21 33 | 1 14 | 4 20 | 0 59 | 1 52 | 2 26 | 13 38 | 0 31 | 18 28 | 0 34 | 3 59 | 16 0 | 9 29 | 9 6 | 18 8 | 6 29 | 5 49 |
| T 18 | 23 17 | 5 15 | 3 43 | 17 35 | 4 5 | 21 11 | 1 59 | 21 25 | 1 14 | 4 19 | 0 59 | 1 52 | 2 26 | 13 37 | 0 31 | 18 28 | 0 34 | 3 59 | 15 59 | 9 27 | 9 5 | 18 7 | 6 28 | 5 49 |
| W19 | 23 18 | 0 54 | 2 48 | 17 35 | 4 7 | 20 55 | 2 0 | 21 17 | 1 14 | 4 17 | 1 0 | 1 53 | 2 25 | 13 37 | 0 31 | 18 28 | 0 34 | 3 59 | 15 59 | 9 27 | 9 4 | 18 7 | 6 27 | 5 48 |
| T 20 | 23 19 | 3s21 | 1 45 | 17 37 | 4 7 | 20 38 | 2 0 | 21 9 | 1 14 | 4 16 | 1 0 | 1 53 | 2 25 | 13 36 | 0 31 | 18 29 | 0 34 | 3 59 | 15 59 | 9 27 | 9 2 | 18 6 | 6 26 | 5 47 |
| F 21 | 23 18 | 7 20 | 0 39 | 17 41 | 4 7 | 20 21 | 2 0 | 21 1 | 1 14 | 4 15 | 1 0 | 1 54 | 2 25 | 13 36 | 0 31 | 18 29 | 0 34 | 3 59 | 15 58 | 9 27 | 9 1 | 18 6 | 6 25 | 5 47 |
| S 22 | 23 18 | 10 54 | 0n28 | 17 47 | 4 6 | 20 3 | 2 0 | 20 52 | 1 14 | 4 14 | 1 0 | 1 54 | 2 25 | 13 36 | 0 31 | 18 29 | 0 34 | 3 59 | 15 58 | 9 27 | 9 0 | 18 5 | 6 24 | 5 46 |
| S 23 | 23 17 | 13 55 | 1 32 | 17 54 | 4 3 | 19 44 | 2 0 | 20 43 | 1 14 | 4 13 | 1 1 | 1 55 | 2 25 | 13 35 | 0 31 | 18 30 | 0 34 | 3 59 | 15 58 | 9 26 | 8 59 | 18 4 | 6 23 | 5 45 |
| M24 | 23 16 | 16 17 | 2 31 | 18 2 | 4 0 | 19 25 | 2 0 | 20 35 | 1 14 | 4 12 | 1 1 | 1 56 | 2 24 | 13 35 | 0 31 | 18 30 | 0 34 | 3 59 | 15 57 | 9 25 | 8 58 | 18 4 | 6 21 | 5 45 |
| T 25 | 23 14 | 17 55 | 3 22 | 18 11 | 3 56 | 19 6 | 2 0 | 20 26 | 1 14 | 4 11 | 1 1 | 1 56 | 2 24 | 13 35 | 0 30 | 18 30 | 0 34 | 3 59 | 15 57 | 9 23 | 8 57 | 18 3 | 6 20 | 5 44 |
| W26 | 23 12 | 18 44 | 4 4 | 18 21 | 3 51 | 18 46 | 2 0 | 20 17 | 1 14 | 4 10 | 1 2 | 1 57 | 2 24 | 13 34 | 0 30 | 18 31 | 0 34 | 3 59 | 15 57 | 9 19 | 8 55 | 18 2 | 6 19 | 5 43 |
| T 27 | 23 9 | 18 43 | 4 35 | 18 33 | 3 45 | 18 26 | 2 0 | 20 7 | 1 14 | 4 9 | 1 2 | 1 58 | 2 24 | 13 34 | 0 30 | 18 31 | 0 34 | 4 0 | 15 56 | 9 15 | 8 54 | 18 2 | 6 17 | 5 43 |
| F 28 | 23 6 | 17 53 | 4 54 | 18 45 | 3 39 | 18 5 | 1 59 | 19 58 | 1 14 | 4 8 | 1 2 | 1 59 | 2 23 | 13 34 | 0 30 | 18 31 | 0 34 | 4 0 | 15 56 | 9 11 | 8 53 | 18 1 | 6 16 | 5 42 |
| S 29 | 23 3 | 16 17 | 5 1 | 18 58 | 3 32 | 17 43 | 1 59 | 19 49 | 1 13 | 4 7 | 1 2 | 2 0 | 2 23 | 13 34 | 0 30 | 18 32 | 0 34 | 4 0 | 15 55 | 9 6 | 8 52 | 18 0 | 6 15 | 5 42 |
| S 30 | 22n59 | 13s59 | 4n54 | 19n12 | 3s24 | 17n22 | 1n58 | 19n39 | 1n13 | 4s 7 | 1s 3 | 2s 0 | 2n23 | 13s33 | 0n30 | 18s32 | 0n34 | 4s 0 | 15n55 | 9s 1 | 8s51 | 18s 0 | 6n13 | 5s41 |

Julian Day Number = 2810364.5, Delta T = 52m59s
Ecliptic obliquity = 23°18'34, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'33, Lahiri = 37°36'34


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# ASTRODIENST EPHEMERIS for the year 2982
# geocentric

## JULY 2982 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 38 21 | 10♋13'35 | 17♒43 | 17♊ 9 | 18♌43 | 7♌28 | 22♓ 2 | 10♎42 | 7°R47 | 4°R15 | 27°R41 | 23°R 9 | 22♎49 | 9♑24 | 29♌42 | M 1 |
| T 2 | 18 42 18 | 11°10'56 | 29°48 | 18°16 | 19°53 | 8° 6 | 22° 4 | 10°44 | 7♏47 | 4♒14 | 27♏40 | 23♎ 1 | 22°46 | 9°31 | 29°48 | T 2 |
| W 3 | 18 46 14 | 12° 8'16 | 12♓ 3 | 19°26 | 21° 2 | 8°44 | 22° 6 | 10°46 | 7°46 | 4°12 | 27°39 | 22°55 | 22°42 | 9°37 | 29°54 | W 3 |
| T 4 | 18 50 11 | 13° 5'36 | 24°29 | 20°39 | 22°11 | 9°23 | 22° 7 | 10°48 | 7°45 | 4°11 | 27°37 | 22°52 | 22°39 | 9°44 | 29°59 | T 4 |
| F 5 | 18 54 7 | 14° 2'55 | 7♈12 | 21°56 | 23°20 | 10° 1 | 22° 8 | 10°51 | 7°45 | 4°10 | 27°36 | 22°51 | 22°36 | 9°51 | 0♍ 6 | F 5 |
| S 6 | 18 58 4 | 15° 0'14 | 20°15 | 23°17 | 24°29 | 10°39 | 22° 9 | 10°53 | 7°44 | 4° 8 | 27°35 | 22°51 | 22°33 | 9°58 | 0°12 | S 6 |
| S 7 | 19 2 0 | 15°57'33 | 3♉42 | 24°40 | 25°38 | 11°17 | 22°10 | 10°56 | 7°44 | 4° 7 | 27°34 | 22°51 | 22°30 | 10° 4 | 0°18 | S 7 |
| M 8 | 19 5 57 | 16°54'52 | 17°36 | 26° 7 | 26°47 | 11°55 | 22°11 | 10°58 | 7°43 | 4° 5 | 27°34 | 22°49 | 22°27 | 10°11 | 0°25 | M 8 |
| T 9 | 19 9 54 | 17°52'11 | 1♊57 | 27°37 | 27°56 | 12°33 | 22°11 | 11° 1 | 7°43 | 4° 3 | 27°33 | 22°45 | 22°23 | 10°18 | 0°31 | T 9 |
| W10 | 19 13 50 | 18°49'30 | 16°44 | 29°11 | 29° 4 | 13°11 | 22°11 | 11° 4 | 7°43 | 4° 2 | 27°32 | 22°39 | 22°20 | 10°24 | 0°37 | W10 |
| T 11 | 19 17 47 | 19°46'48 | 1♋51 | 0♋47 | 0♍13 | 13°50 | 22°R12 | 11° 6 | 7°42 | 4° 0 | 27°31 | 22°30 | 22°17 | 10°31 | 0°44 | T 11 |
| F 12 | 19 21 43 | 20°44'07 | 17° 8 | 2°27 | 1°21 | 14°28 | 22°11 | 11° 9 | 7°42 | 3°59 | 27°30 | 22°20 | 22°14 | 10°38 | 0°51 | F 12 |
| S 13 | 19 25 40 | 21°41'25 | 2♌24 | 4°10 | 2°30 | 15° 6 | 22°11 | 11°12 | 7°42 | 3°57 | 27°29 | 22° 9 | 22°11 | 10°45 | 0°57 | S 13 |
| S 14 | 19 29 36 | 22°38'42 | 17°29 | 5°56 | 3°38 | 15°44 | 22°11 | 11°16 | 7°42 | 3°56 | 27°28 | 21°59 | 22° 8 | 10°51 | 1° 4 | S 14 |
| M15 | 19 33 33 | 23°35'59 | 2♍12 | 7°44 | 4°46 | 16°22 | 22°10 | 11°19 | 7°D42 | 3°54 | 27°28 | 21°51 | 22° 4 | 10°58 | 1°10 | M15 |
| T 16 | 19 37 30 | 24°33'16 | 16°29 | 9°36 | 5°54 | 17° 0 | 22° 9 | 11°22 | 7°42 | 3°52 | 27°27 | 21°45 | 22° 1 | 11° 5 | 1°17 | T 16 |
| W17 | 19 41 26 | 25°30'32 | 0♎16 | 11°30 | 7° 1 | 17°38 | 22° 8 | 11°26 | 7°42 | 3°51 | 27°26 | 21°42 | 21°58 | 11°11 | 1°24 | W17 |
| T 18 | 19 45 23 | 26°27'48 | 13°34 | 13°27 | 8° 9 | 18°16 | 22° 6 | 11°29 | 7°42 | 3°49 | 27°26 | 21°41 | 21°55 | 11°18 | 1°31 | T 18 |
| F 19 | 19 49 19 | 27°25'04 | 26°27 | 15°27 | 9°17 | 18°54 | 22° 5 | 11°33 | 7°42 | 3°48 | 27°25 | 21°41 | 21°52 | 11°25 | 1°38 | F 19 |
| S 20 | 19 53 16 | 28°22'19 | 8♏58 | 17°28 | 10°24 | 19°32 | 22° 3 | 11°36 | 7°43 | 3°46 | 27°24 | 21°41 | 21°48 | 11°32 | 1°45 | S 20 |
| S 21 | 19 57 12 | 29°19'34 | 21°13 | 19°32 | 11°31 | 20°10 | 22° 1 | 11°40 | 7°43 | 3°44 | 27°24 | 21°39 | 21°45 | 11°38 | 1°52 | S 21 |
| M22 | 20 1 9 | 0♌16'48 | 3♐17 | 21°37 | 12°38 | 20°48 | 21°59 | 11°44 | 7°43 | 3°43 | 27°23 | 21°36 | 21°42 | 11°45 | 1°59 | M22 |
| T 23 | 20 5 5 | 1°14'03 | 15°13 | 23°44 | 13°45 | 21°27 | 21°57 | 11°48 | 7°44 | 3°41 | 27°23 | 21°29 | 21°39 | 11°52 | 2° 6 | T 23 |
| W24 | 20 9 2 | 2°11'17 | 27° 5 | 25°52 | 14°52 | 22° 5 | 21°55 | 11°52 | 7°44 | 3°40 | 27°22 | 21°20 | 21°36 | 11°58 | 2°13 | W24 |
| T 25 | 20 12 59 | 3° 8'31 | 8♑57 | 28° 0 | 15°58 | 22°43 | 21°52 | 11°56 | 7°45 | 3°38 | 27°22 | 21° 9 | 21°33 | 12° 5 | 2°20 | T 25 |
| F 26 | 20 16 55 | 4° 5'45 | 20°50 | 0♌10 | 17° 5 | 23°21 | 21°49 | 12° 0 | 7°45 | 3°36 | 27°21 | 20°56 | 21°29 | 12°12 | 2°27 | F 26 |
| S 27 | 20 20 52 | 5° 3'00 | 2♒46 | 2°19 | 18°11 | 23°59 | 21°46 | 12° 4 | 7°46 | 3°35 | 27°21 | 20°43 | 21°26 | 12°19 | 2°34 | S 27 |
| S 28 | 20 24 48 | 6° 0'14 | 14°48 | 4°29 | 19°17 | 24°37 | 21°43 | 12° 9 | 7°46 | 3°33 | 27°21 | 20°31 | 21°23 | 12°25 | 2°41 | S 28 |
| M29 | 20 28 45 | 6°57'29 | 26°55 | 6°38 | 20°23 | 25°15 | 21°40 | 12°13 | 7°47 | 3°31 | 27°20 | 20°20 | 21°20 | 12°32 | 2°49 | M29 |
| T 30 | 20 32 41 | 7°54'44 | 9♓ 9 | 8°47 | 21°28 | 25°53 | 21°36 | 12°17 | 7°48 | 3°30 | 27°20 | 20°11 | 21°17 | 12°39 | 2°56 | T 30 |
| W31 | 20 36 38 | 8♌51'59 | 21♓32 | 10♌55 | 22♍34 | 26♌31 | 21♓32 | 12♎22 | 7♏49 | 3♒28 | 27♏20 | 20♎ 5 | 21♎14 | 12♑46 | 3♍ 3 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n55 | 11s 5 | 4n34 | 19n27 | 3s16 | 17n 0 | 1n57 | 19n29 | 1n13 | 4s 6 | 1s 3 | 2s 1 | 2n23 | 13s33 | 0n30 | 18s32 | 0n34 | 4s 0 | 15n55 | 8s57 | 8s50 | 17s59 | 6n12 | 5s40 |
| T 2 | 22 51 | 7 42 | 4 2 | 19 41 | 3 7 | 16 37 | 1 57 | 19 19 | 1 13 | 4 6 | 1 3 | 2 2 | 2 22 | 13 33 | 0 30 | 18 33 | 0 34 | 4 0 | 15 54 | 8 54 | 8 48 | 17 58 | 6 10 | 5 40 |
| W 3 | 22 46 | 3 57 | 3 18 | 19 56 | 2 58 | 16 14 | 1 56 | 19 9 | 1 13 | 4 6 | 1 3 | 2 3 | 2 22 | 13 33 | 0 30 | 18 33 | 0 34 | 4 1 | 15 54 | 8 52 | 8 47 | 17 58 | 6 9 | 5 39 |
| T 4 | 22 40 | 0n 2 | 2 24 | 20 11 | 2 48 | 15 51 | 1 55 | 18 59 | 1 13 | 4 5 | 1 4 | 2 4 | 2 22 | 13 33 | 0 30 | 18 33 | 0 34 | 4 1 | 15 53 | 8 51 | 8 46 | 17 57 | 6 7 | 5 39 |
| F 5 | 22 34 | 4 6 | 1 22 | 20 26 | 2 38 | 15 27 | 1 54 | 18 49 | 1 13 | 4 5 | 1 4 | 2 6 | 2 22 | 13 33 | 0 30 | 18 34 | 0 34 | 4 1 | 15 53 | 8 50 | 8 45 | 17 56 | 6 5 | 5 38 |
| S 6 | 22 28 | 8 5 | 0 14 | 20 41 | 2 27 | 15 3 | 1 52 | 18 38 | 1 13 | 4 5 | 1 4 | 2 7 | 2 22 | 13 32 | 0 30 | 18 34 | 0 34 | 4 1 | 15 52 | 8 50 | 8 44 | 17 56 | 6 4 | 5 38 |
| S 7 | 22 22 | 11 47 | 0s57 | 20 56 | 2 16 | 14 39 | 1 51 | 18 28 | 1 13 | 4 5 | 1 5 | 2 8 | 2 21 | 13 32 | 0 30 | 18 34 | 0 34 | 4 2 | 15 52 | 8 50 | 8 42 | 17 55 | 6 2 | 5 37 |
| M 8 | 22 15 | 14 58 | 2 7 | 21 10 | 2 5 | 14 14 | 1 50 | 18 17 | 1 13 | 4 5 | 1 5 | 2 9 | 2 21 | 13 32 | 0 30 | 18 35 | 0 34 | 4 2 | 15 52 | 8 50 | 8 41 | 17 54 | 6 1 | 5 37 |
| T 9 | 22 7 | 17 19 | 3 11 | 21 24 | 1 53 | 13 49 | 1 48 | 18 6 | 1 13 | 4 5 | 1 5 | 2 10 | 2 21 | 13 32 | 0 30 | 18 35 | 0 34 | 4 2 | 15 51 | 8 48 | 8 40 | 17 54 | 5 59 | 5 36 |
| W10 | 22 0 | 18 36 | 4 4 | 21 37 | 1 41 | 13 24 | 1 47 | 17 56 | 1 12 | 4 5 | 1 5 | 2 12 | 2 21 | 13 32 | 0 30 | 18 35 | 0 34 | 4 2 | 15 51 | 8 46 | 8 39 | 17 53 | 5 57 | 5 35 |
| T 11 | 21 52 | 18 36 | 4 41 | 21 49 | 1 30 | 12 58 | 1 45 | 17 45 | 1 12 | 4 5 | 1 6 | 2 13 | 2 21 | 13 32 | 0 30 | 18 36 | 0 34 | 4 3 | 15 50 | 8 43 | 8 38 | 17 52 | 5 55 | 5 35 |
| F 12 | 21 43 | 17 16 | 4 59 | 22 0 | 1 17 | 12 32 | 1 43 | 17 33 | 1 12 | 4 6 | 1 6 | 2 14 | 2 20 | 13 32 | 0 30 | 18 36 | 0 34 | 4 3 | 15 50 | 8 39 | 8 37 | 17 52 | 5 54 | 5 34 |
| S 13 | 21 34 | 14 43 | 4 56 | 22 9 | 1 5 | 12 6 | 1 41 | 17 22 | 1 12 | 4 6 | 1 6 | 2 16 | 2 20 | 13 32 | 0 30 | 18 37 | 0 34 | 4 3 | 15 49 | 8 35 | 8 35 | 17 51 | 5 52 | 5 34 |
| S 14 | 21 25 | 11 12 | 4 32 | 22 18 | 0 53 | 11 40 | 1 39 | 17 11 | 1 12 | 4 7 | 1 7 | 2 17 | 2 20 | 13 32 | 0 30 | 18 37 | 0 34 | 4 4 | 15 49 | 8 31 | 8 34 | 17 50 | 5 50 | 5 33 |
| M15 | 21 16 | 7 3 | 3 50 | 22 24 | 0 41 | 11 13 | 1 37 | 16 59 | 1 12 | 4 7 | 1 7 | 2 18 | 2 20 | 13 32 | 0 30 | 18 37 | 0 34 | 4 4 | 15 48 | 8 28 | 8 33 | 17 50 | 5 48 | 5 33 |
| T 16 | 21 6 | 2 37 | 2 55 | 22 29 | 0 29 | 10 46 | 1 35 | 16 48 | 1 12 | 4 8 | 1 7 | 2 20 | 2 19 | 13 32 | 0 30 | 18 38 | 0 34 | 4 4 | 15 48 | 8 26 | 8 32 | 17 49 | 5 46 | 5 33 |
| W17 | 20 55 | 1s48 | 1 51 | 22 32 | 0 17 | 10 19 | 1 32 | 16 36 | 1 12 | 4 8 | 1 7 | 2 21 | 2 19 | 13 32 | 0 30 | 18 38 | 0 34 | 4 5 | 15 47 | 8 25 | 8 31 | 17 48 | 5 44 | 5 32 |
| T 18 | 20 45 | 5 59 | 0 43 | 22 33 | 0 5 | 9 51 | 1 30 | 16 24 | 1 11 | 4 9 | 1 8 | 2 23 | 2 19 | 13 32 | 0 30 | 18 38 | 0 34 | 4 5 | 15 47 | 8 25 | 8 30 | 17 47 | 5 42 | 5 32 |
| F 19 | 20 34 | 9 46 | 0n25 | 22 32 | 0n 6 | 9 24 | 1 27 | 16 12 | 1 11 | 4 10 | 1 8 | 2 25 | 2 19 | 13 32 | 0 30 | 18 39 | 0 34 | 4 5 | 15 46 | 8 24 | 8 28 | 17 47 | 5 40 | 5 31 |
| S 20 | 20 23 | 12 59 | 1 30 | 22 28 | 0 17 | 8 56 | 1 25 | 16 0 | 1 11 | 4 11 | 1 8 | 2 26 | 2 19 | 13 32 | 0 30 | 18 39 | 0 34 | 4 6 | 15 46 | 8 24 | 8 27 | 17 46 | 5 38 | 5 31 |
| S 21 | 20 11 | 15 34 | 2 29 | 22 21 | 0 28 | 8 28 | 1 22 | 15 48 | 1 11 | 4 12 | 1 9 | 2 28 | 2 18 | 13 32 | 0 30 | 18 40 | 0 34 | 4 6 | 15 45 | 8 24 | 8 26 | 17 45 | 5 36 | 5 30 |
| M22 | 19 59 | 17 24 | 3 21 | 22 13 | 0 38 | 8 0 | 1 19 | 15 36 | 1 11 | 4 13 | 1 9 | 2 29 | 2 18 | 13 33 | 0 30 | 18 40 | 0 34 | 4 6 | 15 45 | 8 22 | 8 25 | 17 45 | 5 34 | 5 30 |
| T 23 | 19 47 | 18 28 | 4 3 | 22 1 | 0 48 | 7 32 | 1 16 | 15 24 | 1 11 | 4 14 | 1 9 | 2 31 | 2 18 | 13 33 | 0 30 | 18 40 | 0 34 | 4 7 | 15 44 | 8 20 | 8 24 | 17 44 | 5 32 | 5 29 |
| W24 | 19 34 | 18 42 | 4 34 | 21 47 | 0 57 | 7 3 | 1 13 | 15 11 | 1 11 | 4 15 | 1 9 | 2 33 | 2 18 | 13 33 | 0 29 | 18 41 | 0 34 | 4 7 | 15 43 | 8 17 | 8 22 | 17 43 | 5 30 | 5 29 |
| T 25 | 19 21 | 18 7 | 4 54 | 21 31 | 1 5 | 6 34 | 1 10 | 14 59 | 1 11 | 4 17 | 1 10 | 2 35 | 2 18 | 13 33 | 0 29 | 18 41 | 0 34 | 4 8 | 15 43 | 8 13 | 8 21 | 17 42 | 5 28 | 5 28 |
| F 26 | 19 8 | 16 45 | 5 0 | 21 11 | 1 13 | 6 6 | 1 6 | 14 46 | 1 10 | 4 18 | 1 10 | 2 36 | 2 17 | 13 33 | 0 29 | 18 41 | 0 34 | 4 8 | 15 42 | 8 8 | 8 20 | 17 42 | 5 26 | 5 28 |
| S 27 | 18 54 | 14 40 | 4 54 | 20 50 | 1 20 | 5 37 | 1 3 | 14 34 | 1 10 | 4 19 | 1 10 | 2 38 | 2 17 | 13 34 | 0 29 | 18 42 | 0 34 | 4 9 | 15 42 | 8 3 | 8 19 | 17 41 | 5 24 | 5 28 |
| S 28 | 18 40 | 11 56 | 4 34 | 20 25 | 1 26 | 5 8 | 0 59 | 14 21 | 1 10 | 4 21 | 1 10 | 2 40 | 2 17 | 13 34 | 0 29 | 18 42 | 0 34 | 4 9 | 15 41 | 7 58 | 8 18 | 17 40 | 5 22 | 5 27 |
| M29 | 18 26 | 8 40 | 4 2 | 19 59 | 1 31 | 4 39 | 0 56 | 14 8 | 1 10 | 4 22 | 1 11 | 2 42 | 2 17 | 13 34 | 0 29 | 18 43 | 0 34 | 4 10 | 15 41 | 7 54 | 8 17 | 17 40 | 5 19 | 5 27 |
| T 30 | 18 11 | 5 1 | 3 19 | 19 30 | 1 36 | 4 10 | 0 52 | 13 55 | 1 10 | 4 24 | 1 11 | 2 44 | 2 17 | 13 34 | 0 29 | 18 43 | 0 34 | 4 10 | 15 40 | 7 51 | 8 15 | 17 39 | 5 17 | 5 27 |
| W31 | 17n57 | 1s 7 | 2n25 | 19n 0 | 1n39 | 3n40 | 0n48 | 13n42 | 1n10 | 4s26 | 1s11 | 2s46 | 2n17 | 13s35 | 0n29 | 18s43 | 0n34 | 4s11 | 15n40 | 7s49 | 8s14 | 17s38 | 5n15 | 5s26 |

Julian Day Number = 2810394.5, Delta T = 52m59s
Ecliptic obliquity = 23°18'34, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'37, Lahiri = 37°36'38


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# ASTRODIENST EPHEMERIS for the year 2982
# geocentric

## AUGUST 2982 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 40 34 | 9♌49'15 | 4♈ 6 | 13♌ 2 | 23♍39 | 27♌ 9 | 21°R28 | 12♎27 | 7♏49 | 3°R27 | 27°R20 | 20°R 2 | 21♎10 | 12♑52 | 3♍11 | T 1 |
| F 2 | 20 44 31 | 10°46'31 | 16°54 | 15° 8 | 24°44 | 27°47 | 21♓24 | 12°31 | 7°50 | 3♒25 | 27♏20 | 20°D 1 | 21° 7 | 12°59 | 3°18 | F 2 |
| S 3 | 20 48 27 | 11°43'48 | 29°59 | 17°13 | 25°49 | 28°25 | 21°20 | 12°36 | 7°51 | 3°23 | 27°19 | 20♎ 1 | 21° 4 | 13° 6 | 3°25 | S 3 |
| S 4 | 20 52 24 | 12°41'06 | 13♉24 | 19°16 | 26°54 | 29° 3 | 21°16 | 12°41 | 7°52 | 3°22 | 27°19 | 20°R 1 | 21° 1 | 13°12 | 3°33 | S 4 |
| M 5 | 20 56 21 | 13°38'24 | 27°11 | 21°18 | 27°59 | 29°41 | 21°11 | 12°46 | 7°53 | 3°20 | 27°19 | 20° 1 | 20°58 | 13°19 | 3°40 | M 5 |
| T 6 | 21 0 17 | 14°35'43 | 11♊21 | 23°18 | 29° 3 | 0♍19 | 21° 6 | 12°51 | 7°54 | 3°19 | 27°19 | 19°58 | 20°54 | 13°26 | 3°48 | T 6 |
| W 7 | 21 4 14 | 15°33'03 | 25°54 | 25°17 | 0♎ 7 | 0°57 | 21° 1 | 12°56 | 7°56 | 3°17 | 27°D19 | 19°53 | 20°51 | 13°33 | 3°55 | W 7 |
| T 8 | 21 8 10 | 16°30'24 | 10♋45 | 27°14 | 1°11 | 1°35 | 20°56 | 13° 1 | 7°57 | 3°15 | 27°19 | 19°46 | 20°48 | 13°39 | 4° 3 | T 8 |
| F 9 | 21 12 7 | 17°27'46 | 25°48 | 29°10 | 2°14 | 2°13 | 20°51 | 13° 6 | 7°58 | 3°14 | 27°19 | 19°38 | 20°45 | 13°46 | 4°11 | F 9 |
| S 10 | 21 16 3 | 18°25'08 | 10♌53 | 1♍ 3 | 3°18 | 2°51 | 20°46 | 13°11 | 7°59 | 3°12 | 27°19 | 19°28 | 20°42 | 13°53 | 4°18 | S 10 |
| S 11 | 21 20 0 | 19°22'31 | 25°51 | 2°55 | 4°21 | 3°29 | 20°40 | 13°17 | 8° 1 | 3°11 | 27°20 | 19°20 | 20°39 | 13°59 | 4°26 | S 11 |
| M12 | 21 23 57 | 20°19'54 | 10♍31 | 4°46 | 5°24 | 4° 7 | 20°34 | 13°22 | 8° 2 | 3° 9 | 27°20 | 19°13 | 20°35 | 14° 6 | 4°34 | M12 |
| T 13 | 21 27 53 | 21°17'18 | 24°49 | 6°34 | 6°27 | 4°45 | 20°29 | 13°27 | 8° 4 | 3° 8 | 27°20 | 19° 8 | 20°32 | 14°13 | 4°41 | T 13 |
| W14 | 21 31 50 | 22°14'42 | 8♎39 | 8°21 | 7°29 | 5°23 | 20°23 | 13°33 | 8° 5 | 3° 6 | 27°20 | 19° 6 | 20°29 | 14°20 | 4°49 | W14 |
| T 15 | 21 35 46 | 23°12'07 | 22° 2 | 10° 6 | 8°31 | 6° 1 | 20°17 | 13°39 | 8° 7 | 3° 5 | 27°20 | 19°D 6 | 20°26 | 14°26 | 4°57 | T 15 |
| F 16 | 21 39 43 | 24° 9'33 | 4♏58 | 11°50 | 9°33 | 6°39 | 20°10 | 13°44 | 8° 8 | 3° 3 | 27°21 | 19° 6 | 20°23 | 14°33 | 5° 4 | F 16 |
| S 17 | 21 43 39 | 25° 6'58 | 17°33 | 13°31 | 10°35 | 7°17 | 20° 4 | 13°50 | 8°10 | 3° 2 | 27°21 | 19° 7 | 20°20 | 14°40 | 5°12 | S 17 |
| S 18 | 21 47 36 | 26° 4'25 | 29°49 | 15°11 | 11°36 | 7°55 | 19°57 | 13°56 | 8°12 | 3° 0 | 27°21 | 19°R 7 | 20°16 | 14°47 | 5°20 | S 18 |
| M19 | 21 51 32 | 27° 1'52 | 11♐53 | 16°50 | 12°37 | 8°33 | 19°51 | 14° 1 | 8°13 | 2°59 | 27°22 | 19° 6 | 20°13 | 14°53 | 5°28 | M19 |
| T 20 | 21 55 29 | 27°59'20 | 23°49 | 18°27 | 13°38 | 9°11 | 19°44 | 14° 7 | 8°15 | 2°57 | 27°22 | 19° 3 | 20°10 | 15° 0 | 5°35 | T 20 |
| W21 | 21 59 25 | 28°56'48 | 5♑41 | 20° 2 | 14°38 | 9°49 | 19°37 | 14°13 | 8°17 | 2°56 | 27°23 | 18°57 | 20° 7 | 15° 7 | 5°43 | W21 |
| T 22 | 22 3 22 | 29°54'17 | 17°34 | 21°35 | 15°38 | 10°27 | 19°30 | 14°19 | 8°19 | 2°55 | 27°23 | 18°50 | 20° 4 | 15°13 | 5°51 | T 22 |
| F 23 | 22 7 19 | 0♍51'47 | 29°30 | 23° 7 | 16°37 | 11° 5 | 19°23 | 14°25 | 8°21 | 2°53 | 27°24 | 18°42 | 20° 0 | 15°20 | 5°59 | F 23 |
| S 24 | 22 11 15 | 1°49'18 | 11♒32 | 24°37 | 17°37 | 11°43 | 19°16 | 14°31 | 8°23 | 2°52 | 27°24 | 18°33 | 19°57 | 15°27 | 6° 7 | S 24 |
| S 25 | 22 15 12 | 2°46'49 | 23°41 | 26° 6 | 18°36 | 12°21 | 19° 9 | 14°38 | 8°25 | 2°50 | 27°25 | 18°25 | 19°54 | 15°34 | 6°14 | S 25 |
| M26 | 22 19 8 | 3°44'22 | 6♓ 0 | 27°33 | 19°34 | 12°59 | 19° 2 | 14°44 | 8°27 | 2°49 | 27°26 | 18°18 | 19°51 | 15°40 | 6°22 | M26 |
| T 27 | 22 23 5 | 4°41'55 | 18°28 | 28°58 | 20°32 | 13°37 | 18°54 | 14°50 | 8°29 | 2°48 | 27°26 | 18°12 | 19°48 | 15°47 | 6°30 | T 27 |
| W28 | 22 27 1 | 5°39'30 | 1♈ 7 | 0♎21 | 21°30 | 14°15 | 18°47 | 14°56 | 8°31 | 2°46 | 27°27 | 18° 9 | 19°45 | 15°54 | 6°38 | W28 |
| T 29 | 22 30 58 | 6°37'06 | 13°57 | 1°43 | 22°27 | 14°53 | 18°40 | 15° 3 | 8°33 | 2°45 | 27°28 | 18°D 8 | 19°41 | 16° 0 | 6°46 | T 29 |
| F 30 | 22 34 54 | 7°34'43 | 27° 0 | 3° 2 | 23°24 | 15°31 | 18°32 | 15° 9 | 8°36 | 2°44 | 27°28 | 18° 8 | 19°38 | 16° 7 | 6°54 | F 30 |
| S 31 | 22 38 51 | 8♍32'22 | 10♉16 | 4♎20 | 24♎20 | 16♍ 9 | 18♓24 | 15♎15 | 8♏38 | 2♒43 | 27♏29 | 18♎ 9 | 19♎35 | 16♑14 | 7♍ 2 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n42 | 2n54 | 1n23 | 18n27 | 1n42 | 3n11 | 0n44 | 13n29 | 1n 9 | 4s28 | 1s11 | 2s48 | 2n16 | 13s35 | 0n29 | 18s44 | 0n34 | 4s11 | 15n39 | 7s47 | 8s13 | 17s37 | 5n13 | 5s26 |
| F 2 | 17 26 | 6 52 | 0 17 | 17 53 | 1 45 | 2 42 | 0 40 | 13 16 | 1 9 | 4 29 | 1 12 | 2 50 | 2 16 | 13 35 | 0 29 | 18 44 | 0 34 | 4 12 | 15 39 | 7 47 | 8 12 | 17 37 | 5 10 | 5 25 |
| S 3 | 17 11 | 10 35 | 0s53 | 17 17 | 1 46 | 2 12 | 0 36 | 13 3 | 1 9 | 4 31 | 1 12 | 2 52 | 2 16 | 13 36 | 0 29 | 18 45 | 0 34 | 4 12 | 15 38 | 7 47 | 8 11 | 17 36 | 5 8 | 5 25 |
| S 4 | 16 55 | 13 51 | 2 1 | 16 39 | 1 47 | 1 43 | 0 32 | 12 49 | 1 9 | 4 33 | 1 12 | 2 54 | 2 16 | 13 36 | 0 29 | 18 45 | 0 34 | 4 13 | 15 37 | 7 47 | 8 9 | 17 35 | 5 6 | 5 25 |
| M 5 | 16 38 | 16 26 | 3 4 | 16 1 | 1 47 | 1 13 | 0 27 | 12 36 | 1 9 | 4 35 | 1 12 | 2 56 | 2 16 | 13 36 | 0 29 | 18 45 | 0 34 | 4 13 | 15 37 | 7 47 | 8 8 | 17 34 | 5 4 | 5 24 |
| T 6 | 16 22 | 18 5 | 3 58 | 15 21 | 1 46 | 0 44 | 0 23 | 12 22 | 1 9 | 4 37 | 1 13 | 2 58 | 2 15 | 13 37 | 0 29 | 18 46 | 0 34 | 4 14 | 15 36 | 7 46 | 8 7 | 17 34 | 5 1 | 5 24 |
| W 7 | 16 5 | 18 37 | 4 38 | 14 40 | 1 45 | 0 14 | 0 18 | 12 9 | 1 8 | 4 40 | 1 13 | 3 0 | 2 15 | 13 37 | 0 29 | 18 46 | 0 34 | 4 14 | 15 36 | 7 44 | 8 6 | 17 33 | 4 59 | 5 24 |
| T 8 | 15 48 | 17 54 | 5 0 | 13 59 | 1 43 | 0s15 | 0 14 | 11 55 | 1 8 | 4 42 | 1 13 | 3 2 | 2 15 | 13 38 | 0 29 | 18 46 | 0 34 | 4 15 | 15 35 | 7 41 | 8 5 | 17 32 | 4 56 | 5 23 |
| F 9 | 15 31 | 15 55 | 5 2 | 13 17 | 1 41 | 0 45 | 0 9 | 11 41 | 1 8 | 4 44 | 1 13 | 3 4 | 2 15 | 13 38 | 0 29 | 18 47 | 0 34 | 4 15 | 15 35 | 7 38 | 8 4 | 17 31 | 4 54 | 5 23 |
| S 10 | 15 14 | 12 52 | 4 43 | 12 34 | 1 38 | 1 14 | 0 4 | 11 28 | 1 8 | 4 46 | 1 14 | 3 6 | 2 15 | 13 38 | 0 29 | 18 47 | 0 34 | 4 16 | 15 34 | 7 35 | 8 2 | 17 30 | 4 52 | 5 23 |
| S 11 | 14 56 | 8 59 | 4 5 | 11 50 | 1 34 | 1 44 | 0s 1 | 11 14 | 1 8 | 4 49 | 1 14 | 3 9 | 2 15 | 13 39 | 0 29 | 18 48 | 0 34 | 4 17 | 15 33 | 7 32 | 8 1 | 17 30 | 4 49 | 5 23 |
| M12 | 14 38 | 4 38 | 3 11 | 11 6 | 1 30 | 2 13 | 0 6 | 11 0 | 1 7 | 4 51 | 1 14 | 3 11 | 2 15 | 13 39 | 0 29 | 18 48 | 0 34 | 4 17 | 15 33 | 7 29 | 8 0 | 17 29 | 4 47 | 5 22 |
| T 13 | 14 20 | 0 7 | 2 6 | 10 22 | 1 25 | 2 43 | 0 11 | 10 46 | 1 7 | 4 54 | 1 14 | 3 13 | 2 14 | 13 40 | 0 29 | 18 48 | 0 34 | 4 18 | 15 32 | 7 27 | 7 59 | 17 28 | 4 44 | 5 22 |
| W14 | 14 1 | 4s16 | 0 56 | 9 38 | 1 20 | 3 12 | 0 16 | 10 32 | 1 7 | 4 56 | 1 15 | 3 15 | 2 14 | 13 40 | 0 29 | 18 49 | 0 34 | 4 18 | 15 32 | 7 26 | 7 58 | 17 27 | 4 42 | 5 22 |
| T 15 | 13 43 | 8 17 | 0n16 | 8 53 | 1 15 | 3 41 | 0 22 | 10 18 | 1 7 | 4 59 | 1 15 | 3 18 | 2 14 | 13 41 | 0 29 | 18 49 | 0 34 | 4 19 | 15 31 | 7 26 | 7 56 | 17 27 | 4 39 | 5 21 |
| F 16 | 13 24 | 11 47 | 1 24 | 8 9 | 1 9 | 4 11 | 0 27 | 10 3 | 1 7 | 5 1 | 1 15 | 3 20 | 2 14 | 13 41 | 0 29 | 18 49 | 0 34 | 4 20 | 15 31 | 7 26 | 7 55 | 17 26 | 4 37 | 5 21 |
| S 17 | 13 5 | 14 38 | 2 27 | 7 24 | 1 2 | 4 40 | 0 32 | 9 49 | 1 7 | 5 4 | 1 15 | 3 22 | 2 14 | 13 42 | 0 29 | 18 50 | 0 34 | 4 20 | 15 30 | 7 27 | 7 54 | 17 25 | 4 34 | 5 21 |
| S 18 | 12 46 | 16 44 | 3 21 | 6 40 | 0 56 | 5 9 | 0 38 | 9 35 | 1 6 | 5 7 | 1 15 | 3 25 | 2 14 | 13 43 | 0 29 | 18 50 | 0 34 | 4 21 | 15 29 | 7 27 | 7 53 | 17 24 | 4 32 | 5 21 |
| M19 | 12 26 | 18 3 | 4 5 | 5 55 | 0 49 | 5 38 | 0 44 | 9 21 | 1 6 | 5 10 | 1 16 | 3 27 | 2 14 | 13 43 | 0 29 | 18 50 | 0 34 | 4 22 | 15 29 | 7 26 | 7 52 | 17 23 | 4 29 | 5 20 |
| T 20 | 12 6 | 18 32 | 4 38 | 5 11 | 0 41 | 6 7 | 0 49 | 9 6 | 1 6 | 5 12 | 1 16 | 3 29 | 2 13 | 13 44 | 0 29 | 18 51 | 0 34 | 4 22 | 15 28 | 7 25 | 7 50 | 17 23 | 4 26 | 5 20 |
| W21 | 11 47 | 18 13 | 4 59 | 4 27 | 0 34 | 6 35 | 0 55 | 8 52 | 1 6 | 5 15 | 1 16 | 3 32 | 2 13 | 13 44 | 0 29 | 18 51 | 0 34 | 4 23 | 15 28 | 7 23 | 7 49 | 17 22 | 4 24 | 5 20 |
| T 22 | 11 27 | 17 5 | 5 7 | 3 43 | 0 26 | 7 4 | 1 1 | 8 37 | 1 5 | 5 18 | 1 16 | 3 34 | 2 13 | 13 45 | 0 29 | 18 51 | 0 34 | 4 24 | 15 27 | 7 20 | 7 48 | 17 21 | 4 21 | 5 20 |
| F 23 | 11 7 | 15 14 | 5 2 | 2 59 | 0 18 | 7 32 | 1 7 | 8 23 | 1 5 | 5 21 | 1 16 | 3 37 | 2 13 | 13 46 | 0 28 | 18 52 | 0 34 | 4 24 | 15 27 | 7 17 | 7 47 | 17 20 | 4 19 | 5 20 |
| S 24 | 10 46 | 12 42 | 4 43 | 2 16 | 0 10 | 8 0 | 1 13 | 8 8 | 1 5 | 5 24 | 1 16 | 3 39 | 2 13 | 13 46 | 0 28 | 18 52 | 0 34 | 4 25 | 15 26 | 7 14 | 7 46 | 17 19 | 4 16 | 5 19 |
| S 25 | 10 26 | 9 35 | 4 11 | 1 33 | 0 1 | 8 29 | 1 20 | 7 53 | 1 5 | 5 27 | 1 17 | 3 42 | 2 13 | 13 47 | 0 28 | 18 52 | 0 34 | 4 26 | 15 25 | 7 11 | 7 44 | 17 19 | 4 13 | 5 19 |
| M26 | 10 5 | 6 2 | 3 28 | 0 51 | 0s 8 | 8 56 | 1 26 | 7 39 | 1 5 | 5 30 | 1 17 | 3 44 | 2 13 | 13 48 | 0 28 | 18 53 | 0 34 | 4 26 | 15 25 | 7 8 | 7 43 | 17 18 | 4 11 | 5 19 |
| T 27 | 9 44 | 2 11 | 2 34 | 0 9 | 0 17 | 9 24 | 1 32 | 7 24 | 1 4 | 5 33 | 1 17 | 3 46 | 2 12 | 13 48 | 0 28 | 18 53 | 0 33 | 4 27 | 15 24 | 7 6 | 7 42 | 17 17 | 4 8 | 5 19 |
| W28 | 9 23 | 1n50 | 1 31 | 0s32 | 0 26 | 9 52 | 1 39 | 7 9 | 1 4 | 5 36 | 1 17 | 3 49 | 2 12 | 13 49 | 0 28 | 18 53 | 0 33 | 4 28 | 15 24 | 7 5 | 7 41 | 17 16 | 4 5 | 5 19 |
| T 29 | 9 2 | 5 49 | 0 23 | 1 13 | 0 35 | 10 19 | 1 45 | 6 54 | 1 4 | 5 39 | 1 17 | 3 52 | 2 12 | 13 50 | 0 28 | 18 54 | 0 33 | 4 28 | 15 23 | 7 4 | 7 40 | 17 15 | 4 3 | 5 18 |
| F 30 | 8 41 | 9 36 | 0s48 | 1 53 | 0 45 | 10 46 | 1 52 | 6 39 | 1 4 | 5 42 | 1 17 | 3 54 | 2 12 | 13 51 | 0 28 | 18 54 | 0 33 | 4 29 | 15 23 | 7 4 | 7 38 | 17 15 | 4 0 | 5 18 |
| S 31 | 8n19 | 12n58 | 1s57 | 2s33 | 0s54 | 11s13 | 1s58 | 6n25 | 1n 3 | 5s45 | 1s18 | 3s57 | 2n12 | 13s51 | 0n28 | 18s54 | 0n33 | 4s30 | 15n22 | 7s 5 | 7s37 | 17s14 | 3n57 | 5s18 |

Julian Day Number = 2810425.5, Delta T = 53m00s
Ecliptic obliquity = 23°18'34, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'42, Lahiri = 37°36'42


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# ASTRODIENST EPHEMERIS for the year 2982
# geocentric

## SEPTEMBER 2982 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 42 48 | 9♍30'02 | 23♉47 | 5♎36 | 25♎16 | 16♍47 | 18°R17 | 15♎22 | 8♏40 | 2°R41 | 27♏30 | 18♎10 | 19♎32 | 16♑21 | 7♍ 9 | S 1 |
| M 2 | 22 46 44 | 10°27'44 | 7♊35 | 6°51 | 26°12 | 17°25 | 18♓ 9 | 15°28 | 8°43 | 2♒40 | 27°31 | 18°R11 | 19°29 | 16°27 | 7°17 | M 2 |
| T 3 | 22 50 41 | 11°25'27 | 21°38 | 8° 3 | 27° 7 | 18° 3 | 18° 1 | 15°35 | 8°45 | 2°39 | 27°32 | 18°11 | 19°25 | 16°34 | 7°25 | T 3 |
| W 4 | 22 54 37 | 12°23'12 | 5♋57 | 9°13 | 28° 1 | 18°42 | 17°53 | 15°42 | 8°48 | 2°38 | 27°33 | 18° 9 | 19°22 | 16°41 | 7°33 | W 4 |
| T 5 | 22 58 34 | 13°20'59 | 20°29 | 10°21 | 28°55 | 19°20 | 17°46 | 15°48 | 8°50 | 2°37 | 27°34 | 18° 6 | 19°19 | 16°48 | 7°41 | T 5 |
| F 6 | 23 2 30 | 14°18'47 | 5♌ 9 | 11°26 | 29°48 | 19°58 | 17°38 | 15°55 | 8°53 | 2°36 | 27°35 | 18° 1 | 19°16 | 16°54 | 7°49 | F 6 |
| S 7 | 23 6 27 | 15°16'36 | 19°50 | 12°29 | 0♏41 | 20°36 | 17°30 | 16° 2 | 8°55 | 2°35 | 27°36 | 17°56 | 19°13 | 17° 1 | 7°57 | S 7 |
| S 8 | 23 10 23 | 16°14'27 | 4♍27 | 13°30 | 1°33 | 21°14 | 17°22 | 16° 8 | 8°58 | 2°34 | 27°37 | 17°52 | 19°10 | 17° 8 | 8° 4 | S 8 |
| M 9 | 23 14 20 | 17°12'20 | 18°51 | 14°28 | 2°25 | 21°52 | 17°14 | 16°15 | 9° 0 | 2°32 | 27°38 | 17°48 | 19° 6 | 17°14 | 8°12 | M 9 |
| T 10 | 23 18 17 | 18°10'14 | 2♎57 | 15°24 | 3°16 | 22°30 | 17° 6 | 16°22 | 9° 3 | 2°31 | 27°39 | 17°46 | 19° 3 | 17°21 | 8°20 | T 10 |
| W11 | 23 22 13 | 19° 8'09 | 16°42 | 16°16 | 4° 6 | 23° 8 | 16°58 | 16°29 | 9° 6 | 2°30 | 27°40 | 17°D45 | 19° 0 | 17°28 | 8°28 | W11 |
| T 12 | 23 26 10 | 20° 6'05 | 0♏ 3 | 17° 6 | 4°56 | 23°47 | 16°50 | 16°36 | 9° 9 | 2°29 | 27°41 | 17°46 | 18°57 | 17°35 | 8°36 | T 12 |
| F 13 | 23 30 6 | 21° 4'03 | 13° 1 | 17°52 | 5°45 | 24°25 | 16°42 | 16°43 | 9°11 | 2°29 | 27°43 | 17°47 | 18°54 | 17°41 | 8°43 | F 13 |
| S 14 | 23 34 3 | 22° 2'02 | 25°37 | 18°34 | 6°33 | 25° 3 | 16°35 | 16°50 | 9°14 | 2°28 | 27°44 | 17°49 | 18°51 | 17°48 | 8°51 | S 14 |
| S 15 | 23 37 59 | 23° 0'03 | 7♐57 | 19°13 | 7°21 | 25°41 | 16°27 | 16°57 | 9°17 | 2°27 | 27°45 | 17°50 | 18°47 | 17°55 | 8°59 | S 15 |
| M16 | 23 41 56 | 23°58'04 | 20° 3 | 19°48 | 8° 7 | 26°19 | 16°19 | 17° 4 | 9°20 | 2°26 | 27°47 | 17°R51 | 18°44 | 18° 1 | 9° 7 | M16 |
| T 17 | 23 45 52 | 24°56'07 | 2♑ 0 | 20°19 | 8°53 | 26°57 | 16°11 | 17°11 | 9°23 | 2°25 | 27°48 | 17°51 | 18°41 | 18° 8 | 9°14 | T 17 |
| W18 | 23 49 49 | 25°54'12 | 13°53 | 20°45 | 9°38 | 27°36 | 16° 3 | 17°18 | 9°26 | 2°24 | 27°49 | 17°50 | 18°38 | 18°15 | 9°22 | W18 |
| T 19 | 23 53 45 | 26°52'17 | 25°47 | 21° 7 | 10°22 | 28°14 | 15°56 | 17°25 | 9°29 | 2°23 | 27°51 | 17°48 | 18°35 | 18°22 | 9°30 | T 19 |
| F 20 | 23 57 42 | 27°50'24 | 7♒46 | 21°23 | 11° 5 | 28°52 | 15°48 | 17°32 | 9°32 | 2°23 | 27°52 | 17°45 | 18°31 | 18°28 | 9°37 | F 20 |
| S 21 | 0 1 39 | 28°48'33 | 19°52 | 21°34 | 11°47 | 29°30 | 15°41 | 17°39 | 9°35 | 2°22 | 27°54 | 17°42 | 18°28 | 18°35 | 9°45 | S 21 |
| S 22 | 0 5 35 | 29°46'43 | 2♓ 9 | 21°R40 | 12°28 | 0♎ 9 | 15°33 | 17°47 | 9°38 | 2°21 | 27°55 | 17°39 | 18°25 | 18°42 | 9°53 | S 22 |
| M23 | 0 9 32 | 0♎44'54 | 14°39 | 21°39 | 13° 8 | 0°47 | 15°26 | 17°54 | 9°41 | 2°21 | 27°57 | 17°37 | 18°22 | 18°49 | 10° 0 | M23 |
| T 24 | 0 13 28 | 1°43'07 | 27°24 | 21°32 | 13°47 | 1°25 | 15°19 | 18° 1 | 9°44 | 2°20 | 27°58 | 17°35 | 18°19 | 18°55 | 10° 8 | T 24 |
| W25 | 0 17 25 | 2°41'22 | 10♈22 | 21°19 | 14°25 | 2° 3 | 15°11 | 18° 8 | 9°48 | 2°19 | 28° 0 | 17°34 | 18°16 | 19° 2 | 10°15 | W25 |
| T 26 | 0 21 21 | 3°39'38 | 23°34 | 20°59 | 15° 2 | 2°42 | 15° 4 | 18°16 | 9°51 | 2°19 | 28° 1 | 17°D34 | 18°12 | 19° 9 | 10°23 | T 26 |
| F 27 | 0 25 18 | 4°37'57 | 7♉ 0 | 20°33 | 15°37 | 3°20 | 14°57 | 18°23 | 9°54 | 2°18 | 28° 3 | 17°35 | 18° 9 | 19°15 | 10°30 | F 27 |
| S 28 | 0 29 14 | 5°36'17 | 20°38 | 20° 0 | 16°11 | 3°58 | 14°50 | 18°30 | 9°57 | 2°18 | 28° 5 | 17°36 | 18° 6 | 19°22 | 10°38 | S 28 |
| S 29 | 0 33 11 | 6°34'39 | 4♊27 | 19°21 | 16°44 | 4°37 | 14°44 | 18°37 | 10° 1 | 2°17 | 28° 6 | 17°37 | 18° 3 | 19°29 | 10°45 | S 29 |
| M30 | 0 37 8 | 7♎33'04 | 18♊26 | 18♎35 | 17♏15 | 5♎15 | 14♓37 | 18♎45 | 10♏ 4 | 2♒17 | 28♏ 8 | 17♎37 | 18♎ 0 | 19♑36 | 10♍53 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n58 | 15n41 | 3s 2 | 3s12 | 1s 4 | 11s40 | 2s 5 | 6n10 | 1n 3 | 5s48 | 1s18 | 3s59 | 2n12 | 13s52 | 0n28 | 18s55 | 0n33 | 4s30 | 15n21 | 7s 5 | 7s36 | 17s13 | 3n54 | 5s18 |
| M 2 | 7 36 | 17 34 | 3 57 | 3 50 | 1 13 | 12 6 | 2 12 | 5 55 | 1 3 | 5 51 | 1 18 | 4 2 | 2 12 | 13 53 | 0 28 | 18 55 | 0 33 | 4 31 | 15 21 | 7 6 | 7 35 | 17 12 | 3 52 | 5 18 |
| T 3 | 7 14 | 18 25 | 4 39 | 4 27 | 1 23 | 12 33 | 2 19 | 5 40 | 1 3 | 5 54 | 1 18 | 4 4 | 2 12 | 13 54 | 0 28 | 18 55 | 0 33 | 4 32 | 15 20 | 7 6 | 7 34 | 17 11 | 3 49 | 5 18 |
| W 4 | 6 53 | 18 7 | 5 4 | 5 3 | 1 33 | 12 59 | 2 25 | 5 25 | 1 2 | 5 58 | 1 18 | 4 7 | 2 12 | 13 55 | 0 28 | 18 55 | 0 33 | 4 33 | 15 20 | 7 5 | 7 33 | 17 10 | 3 46 | 5 18 |
| T 5 | 6 31 | 16 38 | 5 11 | 5 39 | 1 43 | 13 24 | 2 32 | 5 9 | 1 2 | 6 1 | 1 18 | 4 10 | 2 12 | 13 55 | 0 28 | 18 56 | 0 33 | 4 33 | 15 19 | 7 4 | 7 31 | 17 10 | 3 43 | 5 18 |
| F 6 | 6 9 | 14 4 | 4 58 | 6 14 | 1 53 | 13 50 | 2 39 | 4 54 | 1 2 | 6 4 | 1 18 | 4 12 | 2 11 | 13 56 | 0 28 | 18 56 | 0 33 | 4 34 | 15 19 | 7 2 | 7 30 | 17 9 | 3 41 | 5 17 |
| S 7 | 5 46 | 10 35 | 4 25 | 6 47 | 2 2 | 14 15 | 2 46 | 4 39 | 1 2 | 6 7 | 1 18 | 4 15 | 2 11 | 13 57 | 0 28 | 18 56 | 0 33 | 4 35 | 15 18 | 7 0 | 7 29 | 17 8 | 3 38 | 5 17 |
| S 8 | 5 24 | 6 29 | 3 35 | 7 20 | 2 12 | 14 40 | 2 53 | 4 24 | 1 1 | 6 10 | 1 18 | 4 18 | 2 11 | 13 58 | 0 28 | 18 57 | 0 33 | 4 36 | 15 18 | 6 58 | 7 28 | 17 7 | 3 35 | 5 17 |
| M 9 | 5 2 | 2 4 | 2 32 | 7 51 | 2 22 | 15 4 | 3 1 | 4 9 | 1 1 | 6 13 | 1 18 | 4 20 | 2 11 | 13 59 | 0 28 | 18 57 | 0 33 | 4 36 | 15 17 | 6 57 | 7 27 | 17 6 | 3 32 | 5 17 |
| T 10 | 4 39 | 2s24 | 1 20 | 8 22 | 2 31 | 15 29 | 3 8 | 3 54 | 1 1 | 6 17 | 1 19 | 4 23 | 2 11 | 14 0 | 0 28 | 18 57 | 0 33 | 4 37 | 15 17 | 6 56 | 7 25 | 17 5 | 3 29 | 5 17 |
| W11 | 4 17 | 6 37 | 0 6 | 8 50 | 2 41 | 15 53 | 3 15 | 3 38 | 1 1 | 6 20 | 1 19 | 4 26 | 2 11 | 14 1 | 0 28 | 18 57 | 0 33 | 4 38 | 15 16 | 6 56 | 7 24 | 17 4 | 3 27 | 5 17 |
| T 12 | 3 54 | 10 23 | 1n 7 | 9 18 | 2 50 | 16 16 | 3 22 | 3 23 | 1 0 | 6 23 | 1 19 | 4 28 | 2 11 | 14 1 | 0 28 | 18 58 | 0 33 | 4 39 | 15 16 | 6 56 | 7 23 | 17 4 | 3 24 | 5 17 |
| F 13 | 3 31 | 13 32 | 2 14 | 9 44 | 2 59 | 16 40 | 3 30 | 3 8 | 1 0 | 6 26 | 1 19 | 4 31 | 2 11 | 14 2 | 0 28 | 18 58 | 0 33 | 4 39 | 15 15 | 6 57 | 7 22 | 17 3 | 3 21 | 5 17 |
| S 14 | 3 9 | 15 56 | 3 13 | 10 8 | 3 8 | 17 3 | 3 37 | 2 53 | 1 0 | 6 29 | 1 19 | 4 34 | 2 11 | 14 3 | 0 28 | 18 58 | 0 33 | 4 40 | 15 15 | 6 57 | 7 21 | 17 2 | 3 18 | 5 17 |
| S 15 | 2 46 | 17 32 | 4 2 | 10 31 | 3 17 | 17 25 | 3 44 | 2 37 | 1 0 | 6 32 | 1 19 | 4 36 | 2 11 | 14 4 | 0 28 | 18 58 | 0 33 | 4 41 | 15 14 | 6 58 | 7 19 | 17 1 | 3 15 | 5 17 |
| M16 | 2 23 | 18 19 | 4 38 | 10 52 | 3 25 | 17 47 | 3 52 | 2 22 | 0 59 | 6 35 | 1 19 | 4 39 | 2 11 | 14 5 | 0 28 | 18 58 | 0 33 | 4 42 | 15 14 | 6 58 | 7 18 | 17 0 | 3 13 | 5 17 |
| T 17 | 2 0 | 18 15 | 5 3 | 11 11 | 3 33 | 18 9 | 3 59 | 2 7 | 0 59 | 6 38 | 1 19 | 4 42 | 2 11 | 14 6 | 0 28 | 18 59 | 0 33 | 4 42 | 15 13 | 6 58 | 7 17 | 16 59 | 3 10 | 5 17 |
| W18 | 1 37 | 17 23 | 5 14 | 11 28 | 3 40 | 18 31 | 4 6 | 1 51 | 0 59 | 6 41 | 1 19 | 4 45 | 2 11 | 14 7 | 0 28 | 18 59 | 0 33 | 4 43 | 15 12 | 6 57 | 7 16 | 16 58 | 3 7 | 5 17 |
| T 19 | 1 14 | 15 46 | 5 12 | 11 42 | 3 47 | 18 52 | 4 14 | 1 36 | 0 59 | 6 44 | 1 19 | 4 47 | 2 11 | 14 8 | 0 28 | 18 59 | 0 33 | 4 44 | 15 12 | 6 57 | 7 15 | 16 58 | 3 4 | 5 17 |
| F 20 | 0 51 | 13 28 | 4 56 | 11 54 | 3 53 | 19 13 | 4 21 | 1 20 | 0 58 | 6 47 | 1 19 | 4 50 | 2 10 | 14 9 | 0 28 | 18 59 | 0 33 | 4 45 | 15 12 | 6 56 | 7 13 | 16 57 | 3 1 | 5 17 |
| S 21 | 0 28 | 10 33 | 4 27 | 12 3 | 3 59 | 19 33 | 4 29 | 1 5 | 0 58 | 6 50 | 1 19 | 4 53 | 2 10 | 14 10 | 0 28 | 18 59 | 0 33 | 4 45 | 15 11 | 6 55 | 7 12 | 16 56 | 2 58 | 5 17 |
| S 22 | 0 5 | 7 9 | 3 45 | 12 10 | 4 3 | 19 53 | 4 36 | 0 50 | 0 58 | 6 53 | 1 19 | 4 56 | 2 10 | 14 11 | 0 28 | 19 0 | 0 33 | 4 46 | 15 11 | 6 53 | 7 11 | 16 55 | 2 56 | 5 17 |
| M23 | 0s18 | 3 22 | 2 52 | 12 13 | 4 7 | 20 12 | 4 44 | 0 34 | 0 57 | 6 56 | 1 19 | 4 58 | 2 10 | 14 12 | 0 28 | 19 0 | 0 33 | 4 47 | 15 10 | 6 53 | 7 10 | 16 54 | 2 53 | 5 17 |
| T 24 | 0 41 | 0n38 | 1 49 | 12 13 | 4 10 | 20 31 | 4 51 | 0 19 | 0 57 | 6 58 | 1 19 | 5 1 | 2 10 | 14 13 | 0 28 | 19 0 | 0 33 | 4 48 | 15 10 | 6 52 | 7 9 | 16 53 | 2 50 | 5 17 |
| W25 | 1 4 | 4 42 | 0 40 | 12 10 | 4 12 | 20 49 | 4 58 | 0 3 | 0 57 | 7 1 | 1 19 | 5 4 | 2 10 | 14 14 | 0 28 | 19 0 | 0 33 | 4 49 | 15 9 | 6 52 | 7 7 | 16 52 | 2 47 | 5 17 |
| T 26 | 1 27 | 8 35 | 0s33 | 12 3 | 4 12 | 21 7 | 5 6 | 0s12 | 0 57 | 7 4 | 1 19 | 5 7 | 2 10 | 14 15 | 0 28 | 19 0 | 0 33 | 4 49 | 15 9 | 6 52 | 7 6 | 16 51 | 2 44 | 5 17 |
| F 27 | 1 50 | 12 7 | 1 45 | 11 52 | 4 11 | 21 25 | 5 13 | 0 27 | 0 56 | 7 7 | 1 19 | 5 9 | 2 10 | 14 16 | 0 28 | 19 0 | 0 33 | 4 50 | 15 8 | 6 52 | 7 5 | 16 50 | 2 41 | 5 17 |
| S 28 | 2 13 | 15 2 | 2 53 | 11 37 | 4 9 | 21 42 | 5 20 | 0 43 | 0 56 | 7 9 | 1 19 | 5 12 | 2 10 | 14 17 | 0 28 | 19 1 | 0 33 | 4 51 | 15 8 | 6 52 | 7 4 | 16 50 | 2 39 | 5 17 |
| S 29 | 2 36 | 17 8 | 3 51 | 11 18 | 4 4 | 21 58 | 5 27 | 0 58 | 0 56 | 7 12 | 1 19 | 5 15 | 2 10 | 14 18 | 0 27 | 19 1 | 0 33 | 4 52 | 15 7 | 6 53 | 7 2 | 16 49 | 2 36 | 5 17 |
| M30 | 2s59 | 18n13 | 4s37 | 10s55 | 3s58 | 22s14 | 5s34 | 1s14 | 0n55 | 7s14 | 1s19 | 5s18 | 2n10 | 14s19 | 0n27 | 19s 1 | 0n33 | 4s52 | 15n 7 | 6s53 | 7s 1 | 16s48 | 2n33 | 5s17 |

Julian Day Number = 2810456.5, Delta T = 53m00s
Ecliptic obliquity = 23°18'35, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'46, Lahiri = 37°36'46


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# ASTRODIENST EPHEMERIS for the year 2982
# geocentric

## OCTOBER 2982 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 41 4 | 8♎31'30 | 2♋33 | 17°R44 | 17♏45 | 5♎53 | 14°R30 | 18♎52 | 10♏ 7 | 2°R16 | 28♏10 | 17°R38 | 17♎56 | 19♑42 | 11♍ 0 | T 1 |
| W 2 | 0 45 1 | 9°29'59 | 16°45 | 16♎48 | 18°14 | 6°32 | 14♓24 | 19° 0 | 10°11 | 2♒16 | 28°11 | 17♎38 | 17°53 | 19°49 | 11° 8 | W 2 |
| T 3 | 0 48 57 | 10°28'30 | 1♌ 2 | 15°48 | 18°41 | 7°10 | 14°17 | 19° 7 | 10°14 | 2°16 | 28°13 | 17°37 | 17°50 | 19°56 | 11°15 | T 3 |
| F 4 | 0 52 54 | 11°27'03 | 15°19 | 14°46 | 19° 6 | 7°48 | 14°11 | 19°14 | 10°17 | 2°15 | 28°15 | 17°37 | 17°47 | 20° 3 | 11°22 | F 4 |
| S 5 | 0 56 50 | 12°25'38 | 29°33 | 13°42 | 19°30 | 8°27 | 14° 5 | 19°22 | 10°21 | 2°15 | 28°17 | 17°36 | 17°44 | 20° 9 | 11°29 | S 5 |
| S 6 | 1 0 47 | 13°24'15 | 13♍42 | 12°38 | 19°52 | 9° 5 | 13°59 | 19°29 | 10°24 | 2°15 | 28°19 | 17°36 | 17°41 | 20°16 | 11°37 | S 6 |
| M 7 | 1 4 43 | 14°22'54 | 27°40 | 11°35 | 20°13 | 9°44 | 13°53 | 19°37 | 10°28 | 2°14 | 28°20 | 17°35 | 17°37 | 20°23 | 11°44 | M 7 |
| T 8 | 1 8 40 | 15°21'35 | 11♎24 | 10°36 | 20°31 | 10°22 | 13°48 | 19°44 | 10°31 | 2°14 | 28°22 | 17°D35 | 17°34 | 20°29 | 11°51 | T 8 |
| W 9 | 1 12 37 | 16°20'18 | 24°53 | 9°42 | 20°48 | 11° 1 | 13°42 | 19°51 | 10°35 | 2°14 | 28°24 | 17°35 | 17°31 | 20°36 | 11°58 | W 9 |
| T 10 | 1 16 33 | 17°19'02 | 8♏ 3 | 8°54 | 21° 2 | 11°39 | 13°37 | 19°59 | 10°38 | 2°14 | 28°26 | 17°R35 | 17°28 | 20°43 | 12° 5 | T 10 |
| F 11 | 1 20 30 | 18°17'49 | 20°56 | 8°14 | 21°15 | 12°18 | 13°32 | 20° 6 | 10°42 | 2°14 | 28°28 | 17°35 | 17°25 | 20°50 | 12°12 | F 11 |
| S 12 | 1 24 26 | 19°16'37 | 3♐30 | 7°42 | 21°25 | 12°56 | 13°27 | 20°14 | 10°46 | 2°14 | 28°30 | 17°35 | 17°22 | 20°56 | 12°19 | S 12 |
| S 13 | 1 28 23 | 20°15'28 | 15°50 | 7°19 | 21°34 | 13°35 | 13°22 | 20°21 | 10°49 | 2°14 | 28°32 | 17°35 | 17°18 | 21° 3 | 12°26 | S 13 |
| M14 | 1 32 19 | 21°14'20 | 27°56 | 7° 6 | 21°40 | 14°13 | 13°17 | 20°29 | 10°53 | 2°D14 | 28°34 | 17°35 | 17°15 | 21°10 | 12°33 | M14 |
| T 15 | 1 36 16 | 22°13'13 | 9♑54 | 7°D 4 | 21°44 | 14°52 | 13°12 | 20°36 | 10°56 | 2°14 | 28°36 | 17°34 | 17°12 | 21°16 | 12°40 | T 15 |
| W16 | 1 40 12 | 23°12'09 | 21°48 | 7°12 | 21°R45 | 15°30 | 13° 8 | 20°44 | 11° 0 | 2°14 | 28°38 | 17°D34 | 17° 9 | 21°23 | 12°46 | W16 |
| T 17 | 1 44 9 | 24°11'06 | 3♒42 | 7°30 | 21°45 | 16° 9 | 13° 4 | 20°51 | 11° 4 | 2°14 | 28°40 | 17°34 | 17° 6 | 21°30 | 12°53 | T 17 |
| F 18 | 1 48 5 | 25°10'04 | 15°40 | 7°58 | 21°42 | 16°47 | 13° 0 | 20°58 | 11° 7 | 2°14 | 28°42 | 17°35 | 17° 2 | 21°37 | 13° 0 | F 18 |
| S 19 | 1 52 2 | 26° 9'05 | 27°48 | 8°35 | 21°36 | 17°26 | 12°56 | 21° 6 | 11°11 | 2°14 | 28°44 | 17°35 | 16°59 | 21°43 | 13° 6 | S 19 |
| S 20 | 1 55 59 | 27° 8'07 | 10♓ 9 | 9°21 | 21°28 | 18° 5 | 12°52 | 21°13 | 11°15 | 2°14 | 28°47 | 17°36 | 16°56 | 21°50 | 13°13 | S 20 |
| M21 | 1 59 55 | 28° 7'11 | 22°46 | 10°15 | 21°18 | 18°43 | 12°49 | 21°21 | 11°18 | 2°15 | 28°49 | 17°37 | 16°53 | 21°57 | 13°19 | M21 |
| T 22 | 2 3 52 | 29° 6'16 | 5♈43 | 11°16 | 21° 5 | 19°22 | 12°46 | 21°28 | 11°22 | 2°15 | 28°51 | 17°38 | 16°50 | 22° 4 | 13°26 | T 22 |
| W23 | 2 7 48 | 0♏ 5'24 | 18°59 | 12°25 | 20°50 | 20° 1 | 12°43 | 21°35 | 11°26 | 2°15 | 28°53 | 17°R38 | 16°47 | 22°10 | 13°32 | W23 |
| T 24 | 2 11 45 | 1° 4'33 | 2♉34 | 13°39 | 20°32 | 20°39 | 12°40 | 21°43 | 11°30 | 2°15 | 28°55 | 17°38 | 16°43 | 22°17 | 13°39 | T 24 |
| F 25 | 2 15 41 | 2° 3'45 | 16°27 | 14°58 | 20°13 | 21°18 | 12°37 | 21°50 | 11°33 | 2°16 | 28°57 | 17°37 | 16°40 | 22°24 | 13°45 | F 25 |
| S 26 | 2 19 38 | 3° 2'58 | 0♊33 | 16°22 | 19°51 | 21°57 | 12°34 | 21°58 | 11°37 | 2°16 | 29° 0 | 17°35 | 16°37 | 22°30 | 13°51 | S 26 |
| S 27 | 2 23 34 | 4° 2'14 | 14°49 | 17°50 | 19°26 | 22°36 | 12°32 | 22° 5 | 11°41 | 2°17 | 29° 2 | 17°33 | 16°34 | 22°37 | 13°57 | S 27 |
| M28 | 2 27 31 | 5° 1'32 | 29°10 | 19°20 | 19° 0 | 23°14 | 12°30 | 22°12 | 11°45 | 2°17 | 29° 4 | 17°31 | 16°31 | 22°44 | 14° 3 | M28 |
| T 29 | 2 31 28 | 6° 0'52 | 13♋32 | 20°54 | 18°32 | 23°53 | 12°28 | 22°20 | 11°48 | 2°18 | 29° 6 | 17°29 | 16°28 | 22°51 | 14° 9 | T 29 |
| W30 | 2 35 24 | 7° 0'15 | 27°50 | 22°30 | 18° 2 | 24°32 | 12°26 | 22°27 | 11°52 | 2°18 | 29° 9 | 17°28 | 16°24 | 22°57 | 14°15 | W30 |
| T 31 | 2 39 21 | 7♏59'40 | 12♌ 1 | 24♎ 8 | 17♏31 | 25♎11 | 12♓25 | 22♎34 | 11♏56 | 2♒19 | 29♏11 | 17°D28 | 16♎21 | 23♑ 4 | 14♍21 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 3s22 | 18n11 | 5s 6 | 10s28 | 3s50 | 22s30 | 5s41 | 1s29 | 0n55 | 7s17 | 1s19 | 5s21 | 2n10 | 14s20 | 0n27 | 19s 1 | 0n33 | 4s53 | 15n 6 | 6s53 | 7s 0 | 16s47 | 2n30 | 5s17 |
| W 2 | 3 45 | 17 2 | 5 17 | 9 58 | 3 41 | 22 44 | 5 48 | 1 44 | 0 55 | 7 19 | 1 19 | 5 23 | 2 10 | 14 21 | 0 27 | 19 1 | 0 33 | 4 54 | 15 6 | 6 53 | 6 59 | 16 46 | 2 27 | 5 17 |
| T 3 | 4 8 | 14 48 | 5 8 | 9 24 | 3 29 | 22 59 | 5 55 | 2 0 | 0 54 | 7 22 | 1 19 | 5 26 | 2 10 | 14 22 | 0 27 | 19 1 | 0 33 | 4 55 | 15 6 | 6 53 | 6 58 | 16 45 | 2 25 | 5 17 |
| F 4 | 4 30 | 11 41 | 4 41 | 8 48 | 3 16 | 23 12 | 6 2 | 2 15 | 0 54 | 7 24 | 1 19 | 5 29 | 2 10 | 14 24 | 0 27 | 19 1 | 0 33 | 4 55 | 15 5 | 6 53 | 6 56 | 16 44 | 2 22 | 5 17 |
| S 5 | 4 53 | 7 53 | 3 56 | 8 9 | 3 0 | 23 25 | 6 8 | 2 30 | 0 54 | 7 26 | 1 19 | 5 32 | 2 10 | 14 25 | 0 27 | 19 1 | 0 33 | 4 56 | 15 5 | 6 52 | 6 55 | 16 43 | 2 19 | 5 17 |
| S 6 | 5 16 | 3 39 | 2 57 | 7 28 | 2 44 | 23 37 | 6 15 | 2 46 | 0 53 | 7 28 | 1 18 | 5 35 | 2 10 | 14 26 | 0 27 | 19 1 | 0 32 | 4 57 | 15 4 | 6 52 | 6 54 | 16 42 | 2 16 | 5 18 |
| M 7 | 5 38 | 0s44 | 1 48 | 6 48 | 2 25 | 23 49 | 6 21 | 3 1 | 0 53 | 7 31 | 1 18 | 5 37 | 2 10 | 14 27 | 0 27 | 19 2 | 0 32 | 4 58 | 15 4 | 6 52 | 6 53 | 16 41 | 2 13 | 5 18 |
| T 8 | 6 1 | 5 1 | 0 34 | 6 7 | 2 6 | 24 0 | 6 27 | 3 16 | 0 53 | 7 33 | 1 18 | 5 40 | 2 10 | 14 28 | 0 27 | 19 2 | 0 32 | 4 59 | 15 4 | 6 52 | 6 52 | 16 40 | 2 11 | 5 18 |
| W 9 | 6 23 | 8 57 | 0n40 | 5 27 | 1 46 | 24 10 | 6 33 | 3 32 | 0 53 | 7 35 | 1 18 | 5 43 | 2 10 | 14 29 | 0 27 | 19 2 | 0 32 | 4 59 | 15 3 | 6 52 | 6 50 | 16 39 | 2 8 | 5 18 |
| T 10 | 6 46 | 12 22 | 1 51 | 4 50 | 1 26 | 24 19 | 6 38 | 3 47 | 0 52 | 7 37 | 1 18 | 5 46 | 2 10 | 14 30 | 0 27 | 19 2 | 0 32 | 5 0 | 15 3 | 6 52 | 6 49 | 16 39 | 2 5 | 5 18 |
| F 11 | 7 8 | 15 5 | 2 55 | 4 15 | 1 6 | 24 28 | 6 44 | 4 2 | 0 52 | 7 39 | 1 18 | 5 48 | 2 10 | 14 31 | 0 27 | 19 2 | 0 32 | 5 1 | 15 2 | 6 52 | 6 48 | 16 38 | 2 2 | 5 18 |
| S 12 | 7 30 | 17 0 | 3 48 | 3 44 | 0 46 | 24 35 | 6 49 | 4 17 | 0 52 | 7 40 | 1 18 | 5 51 | 2 10 | 14 32 | 0 27 | 19 2 | 0 32 | 5 2 | 15 2 | 6 52 | 6 47 | 16 37 | 2 0 | 5 18 |
| S 13 | 7 52 | 18 5 | 4 30 | 3 17 | 0 26 | 24 42 | 6 54 | 4 33 | 0 51 | 7 42 | 1 18 | 5 54 | 2 10 | 14 34 | 0 27 | 19 2 | 0 32 | 5 2 | 15 2 | 6 52 | 6 46 | 16 36 | 1 57 | 5 18 |
| M14 | 8 14 | 18 19 | 4 59 | 2 55 | 0 7 | 24 48 | 6 58 | 4 48 | 0 51 | 7 44 | 1 18 | 5 57 | 2 10 | 14 35 | 0 27 | 19 2 | 0 32 | 5 3 | 15 1 | 6 52 | 6 44 | 16 35 | 1 54 | 5 19 |
| T 15 | 8 36 | 17 43 | 5 14 | 2 38 | 0n10 | 24 53 | 7 2 | 5 3 | 0 51 | 7 46 | 1 18 | 5 59 | 2 10 | 14 36 | 0 27 | 19 2 | 0 32 | 5 4 | 15 1 | 6 52 | 6 43 | 16 34 | 1 51 | 5 19 |
| W16 | 8 58 | 16 21 | 5 16 | 2 26 | 0 27 | 24 57 | 7 6 | 5 18 | 0 50 | 7 47 | 1 17 | 6 2 | 2 10 | 14 37 | 0 27 | 19 2 | 0 32 | 5 5 | 15 1 | 6 52 | 6 42 | 16 33 | 1 49 | 5 19 |
| T 17 | 9 20 | 14 17 | 5 5 | 2 19 | 0 42 | 25 0 | 7 9 | 5 33 | 0 50 | 7 49 | 1 17 | 6 5 | 2 10 | 14 38 | 0 27 | 19 2 | 0 32 | 5 5 | 15 0 | 6 52 | 6 41 | 16 32 | 1 46 | 5 19 |
| F 18 | 9 41 | 11 36 | 4 40 | 2 17 | 0 56 | 25 2 | 7 12 | 5 48 | 0 49 | 7 50 | 1 17 | 6 8 | 2 10 | 14 39 | 0 27 | 19 2 | 0 32 | 5 6 | 15 0 | 6 52 | 6 40 | 16 31 | 1 43 | 5 19 |
| S 19 | 10 3 | 8 23 | 4 2 | 2 20 | 1 9 | 25 3 | 7 14 | 6 3 | 0 49 | 7 51 | 1 17 | 6 10 | 2 10 | 14 40 | 0 27 | 19 2 | 0 32 | 5 7 | 15 0 | 6 52 | 6 38 | 16 30 | 1 41 | 5 19 |
| S 20 | 10 24 | 4 44 | 3 13 | 2 28 | 1 20 | 25 2 | 7 16 | 6 18 | 0 49 | 7 53 | 1 17 | 6 13 | 2 10 | 14 42 | 0 27 | 19 2 | 0 32 | 5 7 | 14 59 | 6 52 | 6 37 | 16 29 | 1 38 | 5 20 |
| M21 | 10 45 | 0 49 | 2 13 | 2 40 | 1 29 | 25 1 | 7 17 | 6 33 | 0 48 | 7 54 | 1 17 | 6 16 | 2 10 | 14 43 | 0 27 | 19 2 | 0 32 | 5 8 | 14 59 | 6 53 | 6 36 | 16 28 | 1 35 | 5 20 |
| T 22 | 11 6 | 3n16 | 1 6 | 2 57 | 1 37 | 24 58 | 7 18 | 6 48 | 0 48 | 7 55 | 1 17 | 6 18 | 2 10 | 14 44 | 0 27 | 19 2 | 0 32 | 5 9 | 14 59 | 6 53 | 6 35 | 16 27 | 1 33 | 5 20 |
| W23 | 11 27 | 7 17 | 0s 7 | 3 17 | 1 44 | 24 54 | 7 18 | 7 3 | 0 48 | 7 56 | 1 17 | 6 21 | 2 10 | 14 45 | 0 27 | 19 2 | 0 32 | 5 10 | 14 59 | 6 53 | 6 33 | 16 26 | 1 30 | 5 20 |
| T 24 | 11 47 | 11 1 | 1 22 | 3 40 | 1 50 | 24 49 | 7 17 | 7 17 | 0 47 | 7 57 | 1 16 | 6 24 | 2 11 | 14 46 | 0 27 | 19 2 | 0 32 | 5 10 | 14 58 | 6 53 | 6 32 | 16 25 | 1 28 | 5 21 |
| F 25 | 12 8 | 14 13 | 2 33 | 4 7 | 1 54 | 24 42 | 7 16 | 7 32 | 0 47 | 7 58 | 1 16 | 6 27 | 2 11 | 14 47 | 0 27 | 19 2 | 0 32 | 5 11 | 14 58 | 6 53 | 6 31 | 16 24 | 1 25 | 5 21 |
| S 26 | 12 28 | 16 39 | 3 35 | 4 36 | 1 57 | 24 34 | 7 14 | 7 47 | 0 47 | 7 59 | 1 16 | 6 29 | 2 11 | 14 48 | 0 27 | 19 2 | 0 32 | 5 12 | 14 58 | 6 52 | 6 30 | 16 23 | 1 22 | 5 21 |
| S 27 | 12 48 | 18 3 | 4 26 | 5 8 | 1 59 | 24 24 | 7 11 | 8 2 | 0 46 | 7 59 | 1 16 | 6 32 | 2 11 | 14 50 | 0 27 | 19 2 | 0 32 | 5 12 | 14 57 | 6 51 | 6 29 | 16 22 | 1 20 | 5 21 |
| M28 | 13 8 | 18 19 | 4 59 | 5 41 | 2 0 | 24 14 | 7 8 | 8 16 | 0 46 | 8 0 | 1 16 | 6 34 | 2 11 | 14 51 | 0 27 | 19 2 | 0 32 | 5 13 | 14 57 | 6 50 | 6 27 | 16 21 | 1 17 | 5 21 |
| T 29 | 13 27 | 17 25 | 5 14 | 6 16 | 2 0 | 24 1 | 7 4 | 8 31 | 0 45 | 8 1 | 1 16 | 6 37 | 2 11 | 14 52 | 0 27 | 19 1 | 0 32 | 5 14 | 14 57 | 6 50 | 6 26 | 16 20 | 1 15 | 5 22 |
| W30 | 13 47 | 15 25 | 5 10 | 6 52 | 1 59 | 23 48 | 6 58 | 8 45 | 0 45 | 8 1 | 1 15 | 6 40 | 2 11 | 14 53 | 0 27 | 19 1 | 0 32 | 5 15 | 14 57 | 6 49 | 6 25 | 16 19 | 1 12 | 5 22 |
| T 31 | 14s 6 | 12n30 | 4s47 | 7s29 | 1n57 | 23s33 | 6s52 | 9s 0 | 0n45 | 8s 2 | 1s15 | 6s42 | 2n11 | 14s54 | 0n27 | 19s 1 | 0n32 | 5s15 | 14n56 | 6s49 | 6s24 | 16s19 | 1n10 | 5s22 |

Julian Day Number = 2810486.5, Delta T = 53m01s
Ecliptic obliquity = 23°18'35, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'50, Lahiri = 37°36'51


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# ASTRODIENST EPHEMERIS for the year 2982
# geocentric

## NOVEMBER 2982 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 2 43 17 | 8♏59'07 | 26♌ 4 | 25♎47 | 16°R58 | 25♎50 | 12°R23 | 22♎41 | 12♏ 0 | 2♒19 | 29♏13 | 17♎28 | 16♎18 | 23♉11 | 14♍27 | F 1 |
| S 2 | 2 47 14 | 9°58'36 | 9♍57 | 27°27 | 16♏24 | 26°28 | 12♓22 | 22°49 | 12° 3 | 2°20 | 29°16 | 17°30 | 16°15 | 23°17 | 14°33 | S 2 |
| S 3 | 2 51 10 | 10°58'07 | 23°39 | 29° 7 | 15°49 | 27° 7 | 12°21 | 22°56 | 12° 7 | 2°21 | 29°18 | 17°31 | 16°12 | 23°24 | 14°38 | S 3 |
| M 4 | 2 55 7 | 11°57'41 | 7♎ 9 | 0♏49 | 15°13 | 27°46 | 12°21 | 23° 3 | 12°11 | 2°21 | 29°20 | 17°32 | 16° 8 | 23°31 | 14°44 | M 4 |
| T 5 | 2 59 3 | 12°57'17 | 20°28 | 2°31 | 14°37 | 28°25 | 12°20 | 23°10 | 12°15 | 2°22 | 29°23 | 17°R32 | 16° 5 | 23°38 | 14°50 | T 5 |
| W 6 | 3 3 0 | 13°56'55 | 3♏34 | 4°13 | 14° 0 | 29° 4 | 12°20 | 23°17 | 12°19 | 2°23 | 29°25 | 17°32 | 16° 2 | 23°44 | 14°55 | W 6 |
| T 7 | 3 6 57 | 14°56'35 | 16°28 | 5°55 | 13°24 | 29°43 | 12°D20 | 23°24 | 12°22 | 2°24 | 29°27 | 17°29 | 15°59 | 23°51 | 15° 1 | T 7 |
| F 8 | 3 10 53 | 15°56'17 | 29° 7 | 7°37 | 12°47 | 0♏22 | 12°20 | 23°32 | 12°26 | 2°24 | 29°30 | 17°25 | 15°56 | 23°58 | 15° 6 | F 8 |
| S 9 | 3 14 50 | 16°56'00 | 11♐34 | 9°18 | 12°11 | 1° 1 | 12°20 | 23°39 | 12°30 | 2°25 | 29°32 | 17°21 | 15°53 | 24° 5 | 15°11 | S 9 |
| S 10 | 3 18 46 | 17°55'46 | 23°49 | 11° 0 | 11°36 | 1°40 | 12°21 | 23°46 | 12°34 | 2°26 | 29°34 | 17°15 | 15°49 | 24°11 | 15°16 | S 10 |
| M11 | 3 22 43 | 18°55'34 | 5♑54 | 12°41 | 11° 2 | 2°19 | 12°21 | 23°53 | 12°37 | 2°27 | 29°37 | 17°10 | 15°46 | 24°18 | 15°21 | M11 |
| T 12 | 3 26 39 | 19°55'23 | 17°50 | 14°22 | 10°28 | 2°58 | 12°22 | 24° 0 | 12°41 | 2°28 | 29°39 | 17° 5 | 15°43 | 24°25 | 15°26 | T 12 |
| W13 | 3 30 36 | 20°55'13 | 29°43 | 16° 2 | 9°56 | 3°37 | 12°23 | 24° 7 | 12°45 | 2°29 | 29°42 | 17° 1 | 15°40 | 24°31 | 15°31 | W13 |
| T 14 | 3 34 32 | 21°55'06 | 11♒34 | 17°42 | 9°26 | 4°16 | 12°25 | 24°13 | 12°49 | 2°30 | 29°44 | 16°59 | 15°37 | 24°38 | 15°36 | T 14 |
| F 15 | 3 38 29 | 22°55'00 | 23°30 | 19°22 | 8°57 | 4°55 | 12°26 | 24°20 | 12°53 | 2°31 | 29°46 | 16°D58 | 15°34 | 24°45 | 15°41 | F 15 |
| S 16 | 3 42 26 | 23°54'55 | 5♓35 | 21° 1 | 8°30 | 5°35 | 12°28 | 24°27 | 12°56 | 2°32 | 29°49 | 16°59 | 15°30 | 24°52 | 15°46 | S 16 |
| S 17 | 3 46 22 | 24°54'52 | 17°54 | 22°40 | 8° 5 | 6°14 | 12°30 | 24°34 | 13° 0 | 2°33 | 29°51 | 17° 0 | 15°27 | 24°58 | 15°50 | S 17 |
| M18 | 3 50 19 | 25°54'51 | 0♈32 | 24°18 | 7°42 | 6°53 | 12°32 | 24°41 | 13° 4 | 2°34 | 29°54 | 17° 2 | 15°24 | 25° 5 | 15°55 | M18 |
| T 19 | 3 54 15 | 26°54'51 | 13°32 | 25°56 | 7°22 | 7°32 | 12°34 | 24°47 | 13° 7 | 2°35 | 29°56 | 17°R 3 | 15°21 | 25°12 | 15°59 | T 19 |
| W20 | 3 58 12 | 27°54'53 | 26°57 | 27°34 | 7° 3 | 8°11 | 12°37 | 24°54 | 13°11 | 2°37 | 29°58 | 17° 3 | 15°18 | 25°18 | 16° 4 | W20 |
| T 21 | 4 2 8 | 28°54'57 | 10♉48 | 29°11 | 6°47 | 8°50 | 12°39 | 25° 1 | 13°15 | 2°38 | 0♐ 1 | 17° 0 | 15°14 | 25°25 | 16° 8 | T 21 |
| F 22 | 4 6 5 | 29°55'02 | 25° 2 | 0♐48 | 6°34 | 9°30 | 12°42 | 25° 7 | 13°18 | 2°39 | 0° 3 | 16°56 | 15°11 | 25°32 | 16°12 | F 22 |
| S 23 | 4 10 1 | 0♐55'09 | 9♊35 | 2°24 | 6°23 | 10° 9 | 12°45 | 25°14 | 13°22 | 2°40 | 0° 6 | 16°50 | 15° 8 | 25°39 | 16°16 | S 23 |
| S 24 | 4 13 58 | 1°55'18 | 24°20 | 4° 0 | 6°14 | 10°48 | 12°49 | 25°20 | 13°26 | 2°42 | 0° 8 | 16°43 | 15° 5 | 25°45 | 16°20 | S 24 |
| M25 | 4 17 55 | 2°55'29 | 9♋10 | 5°35 | 6° 8 | 11°28 | 12°52 | 25°27 | 13°29 | 2°43 | 0°11 | 16°36 | 15° 2 | 25°52 | 16°24 | M25 |
| T 26 | 4 21 51 | 3°55'42 | 23°56 | 7°10 | 6° 5 | 12° 7 | 12°56 | 25°33 | 13°33 | 2°44 | 0°13 | 16°29 | 14°59 | 25°59 | 16°28 | T 26 |
| W27 | 4 25 48 | 4°55'56 | 8♌30 | 8°45 | 6°D 4 | 12°46 | 13° 0 | 25°39 | 13°37 | 2°46 | 0°15 | 16°25 | 14°55 | 26° 6 | 16°31 | W27 |
| T 28 | 4 29 44 | 5°56'13 | 22°50 | 10°20 | 6° 5 | 13°26 | 13° 4 | 25°46 | 13°40 | 2°47 | 0°18 | 16°22 | 14°52 | 26°12 | 16°35 | T 28 |
| F 29 | 4 33 41 | 6°56'31 | 6♍51 | 11°54 | 6° 9 | 14° 5 | 13° 8 | 25°52 | 13°44 | 2°49 | 0°20 | 16°D21 | 14°49 | 26°19 | 16°38 | F 29 |
| S 30 | 4 37 37 | 7♐56'52 | 20♍34 | 13♐28 | 6♏15 | 14♏44 | 13♓12 | 25♎58 | 13♏47 | 2♒50 | 0♐23 | 16♎22 | 14♎46 | 26♉26 | 16♍42 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14s25 | 8n53 | 4s 7 | 8s 7 | 1n55 | 23s17 | 6s46 | 9s14 | 0n44 | 8s 2 | 1s15 | 6s45 | 2n11 | 14s55 | 0n27 | 19s 1 | 0n32 | 5s16 | 14n56 | 6s49 | 6s23 | 16s18 | 1n 7 | 5s23 |
| S 2 | 14 44 | 4 50 | 3 12 | 8 46 | 1 52 | 23 0 | 6 38 | 9 29 | 0 44 | 8 2 | 1 15 | 6 48 | 2 11 | 14 57 | 0 27 | 19 1 | 0 32 | 5 17 | 14 56 | 6 50 | 6 21 | 16 17 | 1 5 | 5 23 |
| S 3 | 15 2 | 0 33 | 2 8 | 9 24 | 1 49 | 22 42 | 6 30 | 9 43 | 0 44 | 8 3 | 1 15 | 6 50 | 2 11 | 14 58 | 0 27 | 19 1 | 0 32 | 5 17 | 14 56 | 6 50 | 6 20 | 16 16 | 1 2 | 5 23 |
| M 4 | 15 21 | 3s42 | 0 57 | 10 3 | 1 45 | 22 22 | 6 20 | 9 57 | 0 43 | 8 3 | 1 15 | 6 53 | 2 11 | 14 59 | 0 27 | 19 1 | 0 32 | 5 18 | 14 56 | 6 51 | 6 19 | 16 15 | 1 0 | 5 23 |
| T 5 | 15 39 | 7 42 | 0n16 | 10 42 | 1 40 | 22 2 | 6 11 | 10 11 | 0 43 | 8 3 | 1 15 | 6 55 | 2 11 | 15 0 | 0 27 | 19 1 | 0 32 | 5 18 | 14 55 | 6 51 | 6 18 | 16 14 | 0 58 | 5 24 |
| W 6 | 15 56 | 11 17 | 1 27 | 11 21 | 1 36 | 21 41 | 6 0 | 10 25 | 0 42 | 8 3 | 1 14 | 6 58 | 2 11 | 15 1 | 0 27 | 19 1 | 0 32 | 5 19 | 14 55 | 6 51 | 6 16 | 16 13 | 0 55 | 5 24 |
| T 7 | 16 14 | 14 14 | 2 32 | 12 0 | 1 31 | 21 19 | 5 49 | 10 39 | 0 42 | 8 3 | 1 14 | 7 0 | 2 12 | 15 2 | 0 27 | 19 0 | 0 32 | 5 20 | 14 55 | 6 50 | 6 15 | 16 12 | 0 53 | 5 24 |
| F 8 | 16 31 | 16 28 | 3 28 | 12 38 | 1 25 | 20 56 | 5 37 | 10 53 | 0 42 | 8 2 | 1 14 | 7 3 | 2 12 | 15 3 | 0 27 | 19 0 | 0 32 | 5 20 | 14 55 | 6 48 | 6 14 | 16 11 | 0 51 | 5 25 |
| S 9 | 16 48 | 17 52 | 4 13 | 13 16 | 1 19 | 20 33 | 5 24 | 11 7 | 0 41 | 8 2 | 1 14 | 7 5 | 2 12 | 15 5 | 0 27 | 19 0 | 0 32 | 5 21 | 14 55 | 6 46 | 6 13 | 16 10 | 0 48 | 5 25 |
| S 10 | 17 5 | 18 24 | 4 46 | 13 53 | 1 13 | 20 9 | 5 11 | 11 21 | 0 41 | 8 2 | 1 14 | 7 8 | 2 12 | 15 6 | 0 27 | 19 0 | 0 32 | 5 22 | 14 55 | 6 44 | 6 12 | 16 9 | 0 46 | 5 25 |
| M11 | 17 21 | 18 5 | 5 6 | 14 29 | 1 7 | 19 46 | 4 57 | 11 35 | 0 40 | 8 1 | 1 13 | 7 10 | 2 12 | 15 7 | 0 27 | 19 0 | 0 32 | 5 22 | 14 54 | 6 42 | 6 10 | 16 8 | 0 44 | 5 25 |
| T 12 | 17 37 | 16 59 | 5 12 | 15 5 | 1 1 | 19 22 | 4 43 | 11 48 | 0 40 | 8 1 | 1 13 | 7 13 | 2 12 | 15 8 | 0 27 | 19 0 | 0 31 | 5 23 | 14 54 | 6 40 | 6 9 | 16 7 | 0 42 | 5 26 |
| W13 | 17 53 | 15 8 | 5 4 | 15 41 | 0 55 | 18 58 | 4 29 | 12 2 | 0 40 | 8 0 | 1 13 | 7 15 | 2 12 | 15 9 | 0 27 | 18 59 | 0 31 | 5 23 | 14 54 | 6 39 | 6 8 | 16 6 | 0 39 | 5 26 |
| T 14 | 18 9 | 12 40 | 4 44 | 16 15 | 0 48 | 18 34 | 4 14 | 12 16 | 0 39 | 8 0 | 1 13 | 7 17 | 2 12 | 15 10 | 0 27 | 18 59 | 0 31 | 5 24 | 14 54 | 6 38 | 6 7 | 16 5 | 0 37 | 5 26 |
| F 15 | 18 24 | 9 40 | 4 11 | 16 49 | 0 41 | 18 11 | 3 59 | 12 29 | 0 39 | 7 59 | 1 13 | 7 20 | 2 12 | 15 11 | 0 27 | 18 59 | 0 31 | 5 25 | 14 54 | 6 38 | 6 6 | 16 4 | 0 35 | 5 27 |
| S 16 | 18 39 | 6 12 | 3 26 | 17 21 | 0 35 | 17 48 | 3 44 | 12 42 | 0 38 | 7 58 | 1 13 | 7 22 | 2 13 | 15 13 | 0 27 | 18 59 | 0 31 | 5 25 | 14 54 | 6 38 | 6 4 | 16 3 | 0 33 | 5 27 |
| S 17 | 18 54 | 2 25 | 2 32 | 17 53 | 0 28 | 17 25 | 3 29 | 12 56 | 0 38 | 7 57 | 1 12 | 7 25 | 2 13 | 15 14 | 0 27 | 18 58 | 0 31 | 5 26 | 14 54 | 6 39 | 6 3 | 16 2 | 0 31 | 5 28 |
| M18 | 19 8 | 1n34 | 1 29 | 18 24 | 0 21 | 17 4 | 3 14 | 13 9 | 0 37 | 7 56 | 1 12 | 7 27 | 2 13 | 15 15 | 0 27 | 18 58 | 0 31 | 5 26 | 14 54 | 6 39 | 6 2 | 16 0 | 0 29 | 5 28 |
| T 19 | 19 22 | 5 36 | 0 19 | 18 54 | 0 14 | 16 43 | 2 59 | 13 22 | 0 37 | 7 55 | 1 12 | 7 29 | 2 13 | 15 16 | 0 27 | 18 58 | 0 31 | 5 27 | 14 54 | 6 40 | 6 1 | 15 59 | 0 27 | 5 28 |
| W20 | 19 35 | 9 30 | 0s53 | 19 23 | 0 7 | 16 22 | 2 44 | 13 35 | 0 37 | 7 54 | 1 12 | 7 31 | 2 13 | 15 17 | 0 27 | 18 58 | 0 31 | 5 27 | 14 54 | 6 40 | 5 59 | 15 58 | 0 25 | 5 29 |
| T 21 | 19 49 | 13 0 | 2 5 | 19 51 | 0 1 | 16 3 | 2 29 | 13 48 | 0 36 | 7 53 | 1 12 | 7 34 | 2 13 | 15 18 | 0 27 | 18 58 | 0 31 | 5 28 | 14 54 | 6 39 | 5 58 | 15 57 | 0 23 | 5 29 |
| F 22 | 20 1 | 15 50 | 3 11 | 20 18 | 0s 6 | 15 44 | 2 14 | 14 1 | 0 36 | 7 52 | 1 12 | 7 36 | 2 13 | 15 19 | 0 27 | 18 57 | 0 31 | 5 28 | 14 53 | 6 37 | 5 57 | 15 56 | 0 21 | 5 29 |
| S 23 | 20 14 | 17 43 | 4 6 | 20 44 | 0 13 | 15 27 | 1 59 | 14 13 | 0 35 | 7 50 | 1 11 | 7 38 | 2 14 | 15 20 | 0 27 | 18 57 | 0 31 | 5 29 | 14 53 | 6 35 | 5 56 | 15 55 | 0 19 | 5 30 |
| S 24 | 20 26 | 18 27 | 4 45 | 21 9 | 0 20 | 15 10 | 1 45 | 14 26 | 0 35 | 7 49 | 1 11 | 7 40 | 2 14 | 15 21 | 0 27 | 18 57 | 0 31 | 5 29 | 14 53 | 6 32 | 5 55 | 15 54 | 0 17 | 5 30 |
| M25 | 20 38 | 17 55 | 5 5 | 21 33 | 0 26 | 14 55 | 1 30 | 14 39 | 0 34 | 7 47 | 1 11 | 7 43 | 2 14 | 15 23 | 0 27 | 18 56 | 0 31 | 5 30 | 14 53 | 6 29 | 5 53 | 15 53 | 0 15 | 5 30 |
| T 26 | 20 49 | 16 12 | 5 5 | 21 56 | 0 33 | 14 41 | 1 16 | 14 51 | 0 34 | 7 46 | 1 11 | 7 45 | 2 14 | 15 24 | 0 27 | 18 56 | 0 31 | 5 30 | 14 53 | 6 27 | 5 52 | 15 52 | 0 14 | 5 31 |
| W27 | 21 0 | 13 26 | 4 45 | 22 18 | 0 39 | 14 27 | 1 3 | 15 3 | 0 33 | 7 44 | 1 11 | 7 47 | 2 14 | 15 25 | 0 27 | 18 56 | 0 31 | 5 31 | 14 53 | 6 25 | 5 51 | 15 51 | 0 12 | 5 31 |
| T 28 | 21 11 | 9 55 | 4 8 | 22 38 | 0 46 | 14 15 | 0 49 | 15 16 | 0 33 | 7 42 | 1 10 | 7 49 | 2 14 | 15 26 | 0 27 | 18 56 | 0 31 | 5 31 | 14 53 | 6 24 | 5 50 | 15 50 | 0 10 | 5 32 |
| F 29 | 21 21 | 5 54 | 3 16 | 22 57 | 0 52 | 14 4 | 0 36 | 15 28 | 0 32 | 7 41 | 1 10 | 7 51 | 2 14 | 15 27 | 0 27 | 18 55 | 0 31 | 5 32 | 14 53 | 6 24 | 5 48 | 15 49 | 0 8 | 5 32 |
| S 30 | 21s31 | 1n40 | 2s14 | 23s15 | 0s58 | 13s54 | 0s24 | 15s40 | 0n32 | 7s39 | 1s10 | 7s53 | 2n15 | 15s28 | 0n27 | 18s55 | 0n31 | 5s32 | 14n53 | 6s24 | 5s47 | 15s48 | 0n 7 | 5s32 |

Julian Day Number = 2810517.5, Delta T = 53m01s
Ecliptic obliquity = 23°18'34, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'54, Lahiri = 37°36'55


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# ASTRODIENST EPHEMERIS for the year 2982
# geocentric

## DECEMBER 2982 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 41 34 | 8♐57'14 | 4♎ 0 | 15♐ 2 | 6♏23 | 15♏24 | 13♓17 | 26♎ 4 | 13♏51 | 2♒52 | 0♐25 | 16♎23 | 14♎43 | 26♑32 | 16♍45 | S 1 |
| M 2 | 4 45 30 | 9°57'38 | 17°10 | 16°35 | 6°34 | 16° 3 | 13°22 | 26°10 | 13°54 | 2°53 | 0°27 | 16°R23 | 14°39 | 26°39 | 16°48 | M 2 |
| T 3 | 4 49 27 | 10°58'04 | 0♏ 6 | 18° 8 | 6°47 | 16°43 | 13°27 | 26°16 | 13°58 | 2°55 | 0°30 | 16°22 | 14°36 | 26°46 | 16°52 | T 3 |
| W 4 | 4 53 24 | 11°58'32 | 12°51 | 19°41 | 7° 2 | 17°22 | 13°32 | 26°22 | 14° 1 | 2°56 | 0°32 | 16°19 | 14°33 | 26°53 | 16°55 | W 4 |
| T 5 | 4 57 20 | 12°59'01 | 25°25 | 21°14 | 7°19 | 18° 2 | 13°37 | 26°28 | 14° 5 | 2°58 | 0°35 | 16°13 | 14°30 | 26°59 | 16°57 | T 5 |
| F 6 | 5 1 17 | 13°59'32 | 7♐49 | 22°47 | 7°38 | 18°42 | 13°43 | 26°34 | 14° 8 | 2°59 | 0°37 | 16° 4 | 14°27 | 27° 6 | 17° 0 | F 6 |
| S 7 | 5 5 13 | 15° 0'05 | 20° 4 | 24°19 | 7°59 | 19°21 | 13°48 | 26°40 | 14°12 | 3° 1 | 0°39 | 15°54 | 14°24 | 27°13 | 17° 3 | S 7 |
| S 8 | 5 9 10 | 16° 0'39 | 2♑12 | 25°51 | 8°22 | 20° 1 | 13°54 | 26°46 | 14°15 | 3° 3 | 0°42 | 15°42 | 14°20 | 27°19 | 17° 6 | S 8 |
| M 9 | 5 13 6 | 17° 1'14 | 14°12 | 27°23 | 8°47 | 20°40 | 14° 0 | 26°51 | 14°18 | 3° 4 | 0°44 | 15°29 | 14°17 | 27°26 | 17° 8 | M 9 |
| T 10 | 5 17 3 | 18° 1'51 | 26° 6 | 28°55 | 9°13 | 21°20 | 14° 6 | 26°57 | 14°22 | 3° 6 | 0°46 | 15°18 | 14°14 | 27°33 | 17°10 | T 10 |
| W11 | 5 20 59 | 19° 2'29 | 7♒56 | 0♑27 | 9°41 | 22° 0 | 14°13 | 27° 2 | 14°25 | 3° 8 | 0°49 | 15° 9 | 14°11 | 27°40 | 17°13 | W11 |
| T 12 | 5 24 56 | 20° 3'08 | 19°46 | 1°58 | 10°11 | 22°39 | 14°19 | 27° 8 | 14°28 | 3°10 | 0°51 | 15° 2 | 14° 8 | 27°46 | 17°15 | T 12 |
| F 13 | 5 28 53 | 21° 3'48 | 1♓39 | 3°29 | 10°42 | 23°19 | 14°26 | 27°13 | 14°31 | 3°11 | 0°53 | 14°57 | 14° 5 | 27°53 | 17°17 | F 13 |
| S 14 | 5 32 49 | 22° 4'29 | 13°41 | 5° 0 | 11°15 | 23°59 | 14°33 | 27°19 | 14°35 | 3°13 | 0°56 | 14°55 | 14° 1 | 28° 0 | 17°19 | S 14 |
| S 15 | 5 36 46 | 23° 5'11 | 25°55 | 6°31 | 11°49 | 24°39 | 14°40 | 27°24 | 14°38 | 3°15 | 0°58 | 14°D55 | 13°58 | 28° 6 | 17°21 | S 15 |
| M16 | 5 40 42 | 24° 5'54 | 8♈27 | 8° 2 | 12°25 | 25°18 | 14°47 | 27°29 | 14°41 | 3°17 | 1° 0 | 14°R55 | 13°55 | 28°13 | 17°22 | M16 |
| T 17 | 5 44 39 | 25° 6'38 | 21°22 | 9°32 | 13° 2 | 25°58 | 14°54 | 27°34 | 14°44 | 3°19 | 1° 3 | 14°55 | 13°52 | 28°20 | 17°24 | T 17 |
| W18 | 5 48 35 | 26° 7'23 | 4♉45 | 11° 2 | 13°40 | 26°38 | 15° 2 | 27°39 | 14°47 | 3°21 | 1° 5 | 14°54 | 13°49 | 28°27 | 17°26 | W18 |
| T 19 | 5 52 32 | 27° 8'09 | 18°37 | 12°31 | 14°20 | 27°18 | 15° 9 | 27°44 | 14°50 | 3°23 | 1° 7 | 14°50 | 13°45 | 28°33 | 17°27 | T 19 |
| F 20 | 5 56 28 | 28° 8'56 | 2♊58 | 14° 0 | 15° 1 | 27°58 | 15°17 | 27°49 | 14°53 | 3°25 | 1° 9 | 14°43 | 13°42 | 28°40 | 17°28 | F 20 |
| S 21 | 6 0 25 | 29° 9'43 | 17°45 | 15°28 | 15°43 | 28°38 | 15°25 | 27°54 | 14°56 | 3°27 | 1°11 | 14°34 | 13°39 | 28°47 | 17°29 | S 21 |
| S 22 | 6 4 22 | 0♑10'32 | 2♋50 | 16°56 | 16°26 | 29°18 | 15°33 | 27°59 | 14°59 | 3°28 | 1°14 | 14°23 | 13°36 | 28°53 | 17°31 | S 22 |
| M23 | 6 8 18 | 1°11'22 | 18° 3 | 18°23 | 17°10 | 29°57 | 15°42 | 28° 3 | 15° 2 | 3°30 | 1°16 | 14°11 | 13°33 | 29° 0 | 17°31 | M23 |
| T 24 | 6 12 15 | 2°12'13 | 3♌14 | 19°49 | 17°55 | 0♐37 | 15°50 | 28° 8 | 15° 5 | 3°32 | 1°18 | 14° 1 | 13°30 | 29° 7 | 17°32 | T 24 |
| W25 | 6 16 11 | 3°13'05 | 18°11 | 21°15 | 18°41 | 1°17 | 15°58 | 28°12 | 15° 8 | 3°34 | 1°20 | 13°53 | 13°26 | 29°14 | 17°33 | W25 |
| T 26 | 6 20 8 | 4°13'58 | 2♍48 | 22°39 | 19°28 | 1°57 | 16° 7 | 28°17 | 15°11 | 3°36 | 1°22 | 13°47 | 13°23 | 29°20 | 17°34 | T 26 |
| F 27 | 6 24 4 | 5°14'53 | 17° 0 | 24° 1 | 20°16 | 2°37 | 16°16 | 28°21 | 15°14 | 3°39 | 1°24 | 13°44 | 13°20 | 29°27 | 17°34 | F 27 |
| S 28 | 6 28 1 | 6°15'48 | 0♎47 | 25°22 | 21° 5 | 3°18 | 16°25 | 28°25 | 15°16 | 3°41 | 1°27 | 13°43 | 13°17 | 29°34 | 17°35 | S 28 |
| S 29 | 6 31 58 | 7°16'45 | 14° 9 | 26°41 | 21°55 | 3°58 | 16°34 | 28°29 | 15°19 | 3°43 | 1°29 | 13°43 | 13°14 | 29°41 | 17°35 | S 29 |
| M30 | 6 35 54 | 8°17'43 | 27°11 | 27°58 | 22°46 | 4°38 | 16°43 | 28°33 | 15°22 | 3°45 | 1°31 | 13°43 | 13°11 | 29°47 | 17°35 | M30 |
| T 31 | 6 39 51 | 9♑18'42 | 9♏55 | 29♑12 | 23♏37 | 5♐18 | 16♓53 | 28♎37 | 15♏24 | 3♒47 | 1♐33 | 13♎40 | 13♎ 7 | 29♑54 | 17°R35 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s40 | 2s35 | 1s 6 | 23s32 | 1s 4 | 13s45 | 0s12 | 15s52 | 0n32 | 7s37 | 1s10 | 7s55 | 2n15 | 15s29 | 0n27 | 18s55 | 0n31 | 5s33 | 14n53 | 6s24 | 5s46 | 15s47 | 0n 5 | 5s33 |
| M 2 | 21 49 | 6 38 | 0n 4 | 23 48 | 1 10 | 13 38 | 0n 0 | 16 3 | 0 31 | 7 35 | 1 10 | 7 57 | 2 15 | 15 30 | 0 27 | 18 54 | 0 31 | 5 33 | 14 53 | 6 25 | 5 45 | 15 46 | 0 3 | 5 33 |
| T 3 | 21 58 | 10 18 | 1 13 | 24 3 | 1 16 | 13 31 | 0 12 | 16 15 | 0 31 | 7 33 | 1 10 | 7 59 | 2 15 | 15 31 | 0 27 | 18 54 | 0 31 | 5 33 | 14 53 | 6 24 | 5 44 | 15 45 | 0 2 | 5 34 |
| W 4 | 22 6 | 13 26 | 2 17 | 24 16 | 1 22 | 13 25 | 0 23 | 16 27 | 0 30 | 7 31 | 1 9 | 8 1 | 2 15 | 15 32 | 0 27 | 18 54 | 0 31 | 5 34 | 14 53 | 6 23 | 5 42 | 15 44 | 0 0 | 5 34 |
| T 5 | 22 14 | 15 53 | 3 13 | 24 28 | 1 27 | 13 21 | 0 34 | 16 38 | 0 30 | 7 28 | 1 9 | 8 3 | 2 15 | 15 33 | 0 27 | 18 53 | 0 31 | 5 34 | 14 54 | 6 21 | 5 41 | 15 43 | 0s 1 | 5 34 |
| F 6 | 22 21 | 17 34 | 3 59 | 24 39 | 1 32 | 13 17 | 0 44 | 16 49 | 0 29 | 7 26 | 1 9 | 8 5 | 2 16 | 15 34 | 0 27 | 18 53 | 0 31 | 5 35 | 14 54 | 6 17 | 5 40 | 15 42 | 0 3 | 5 35 |
| S 7 | 22 28 | 18 24 | 4 33 | 24 49 | 1 37 | 13 14 | 0 54 | 17 1 | 0 29 | 7 24 | 1 9 | 8 7 | 2 16 | 15 35 | 0 27 | 18 53 | 0 31 | 5 35 | 14 54 | 6 13 | 5 39 | 15 41 | 0 4 | 5 35 |
| S 8 | 22 35 | 18 23 | 4 55 | 24 57 | 1 42 | 13 12 | 1 4 | 17 12 | 0 28 | 7 21 | 1 9 | 8 9 | 2 16 | 15 36 | 0 27 | 18 52 | 0 31 | 5 35 | 14 54 | 6 9 | 5 37 | 15 40 | 0 5 | 5 36 |
| M 9 | 22 41 | 17 32 | 5 3 | 25 4 | 1 47 | 13 11 | 1 13 | 17 23 | 0 28 | 7 19 | 1 9 | 8 11 | 2 16 | 15 37 | 0 27 | 18 52 | 0 31 | 5 36 | 14 54 | 6 4 | 5 36 | 15 39 | 0 7 | 5 36 |
| T 10 | 22 46 | 15 56 | 4 58 | 25 10 | 1 51 | 13 11 | 1 22 | 17 34 | 0 27 | 7 16 | 1 8 | 8 12 | 2 16 | 15 38 | 0 27 | 18 52 | 0 31 | 5 36 | 14 54 | 6 0 | 5 35 | 15 37 | 0 8 | 5 37 |
| W11 | 22 52 | 13 40 | 4 40 | 25 14 | 1 56 | 13 12 | 1 31 | 17 44 | 0 27 | 7 14 | 1 8 | 8 14 | 2 17 | 15 39 | 0 27 | 18 51 | 0 31 | 5 36 | 14 54 | 5 56 | 5 34 | 15 36 | 0 9 | 5 37 |
| T 12 | 22 56 | 10 51 | 4 10 | 25 17 | 1 59 | 13 14 | 1 39 | 17 55 | 0 26 | 7 11 | 1 8 | 8 16 | 2 17 | 15 40 | 0 27 | 18 51 | 0 31 | 5 37 | 14 54 | 5 53 | 5 33 | 15 35 | 0 11 | 5 37 |
| F 13 | 23 1 | 7 34 | 3 29 | 25 19 | 2 3 | 13 16 | 1 47 | 18 5 | 0 26 | 7 8 | 1 8 | 8 18 | 2 17 | 15 41 | 0 27 | 18 50 | 0 31 | 5 37 | 14 54 | 5 52 | 5 31 | 15 34 | 0 12 | 5 38 |
| S 14 | 23 4 | 3 57 | 2 38 | 25 19 | 2 6 | 13 19 | 1 54 | 18 16 | 0 25 | 7 6 | 1 8 | 8 19 | 2 17 | 15 42 | 0 27 | 18 50 | 0 31 | 5 37 | 14 54 | 5 51 | 5 30 | 15 33 | 0 13 | 5 38 |
| S 15 | 23 8 | 0 6 | 1 39 | 25 18 | 2 10 | 13 22 | 2 1 | 18 26 | 0 25 | 7 3 | 1 8 | 8 21 | 2 17 | 15 43 | 0 27 | 18 50 | 0 31 | 5 38 | 14 55 | 5 51 | 5 29 | 15 32 | 0 14 | 5 39 |
| M16 | 23 11 | 3n52 | 0 34 | 25 16 | 2 12 | 13 27 | 2 8 | 18 36 | 0 24 | 7 0 | 1 7 | 8 23 | 2 18 | 15 44 | 0 27 | 18 49 | 0 31 | 5 38 | 14 55 | 5 51 | 5 28 | 15 31 | 0 15 | 5 39 |
| T 17 | 23 13 | 7 46 | 0s34 | 25 12 | 2 15 | 13 31 | 2 15 | 18 46 | 0 24 | 6 57 | 1 7 | 8 24 | 2 18 | 15 44 | 0 27 | 18 49 | 0 31 | 5 38 | 14 55 | 5 51 | 5 26 | 15 30 | 0 16 | 5 40 |
| W18 | 23 15 | 11 25 | 1 43 | 25 7 | 2 17 | 13 37 | 2 21 | 18 55 | 0 23 | 6 54 | 1 7 | 8 26 | 2 18 | 15 45 | 0 27 | 18 48 | 0 31 | 5 38 | 14 55 | 5 50 | 5 25 | 15 29 | 0 17 | 5 40 |
| T 19 | 23 17 | 14 34 | 2 48 | 25 1 | 2 18 | 13 43 | 2 27 | 19 5 | 0 22 | 6 51 | 1 7 | 8 28 | 2 18 | 15 46 | 0 27 | 18 48 | 0 31 | 5 39 | 14 55 | 5 49 | 5 24 | 15 28 | 0 18 | 5 40 |
| F 20 | 23 18 | 16 57 | 3 45 | 24 53 | 2 20 | 13 49 | 2 32 | 19 15 | 0 22 | 6 48 | 1 7 | 8 29 | 2 18 | 15 47 | 0 27 | 18 47 | 0 31 | 5 39 | 14 55 | 5 46 | 5 23 | 15 27 | 0 19 | 5 41 |
| S 21 | 23 18 | 18 17 | 4 29 | 24 44 | 2 20 | 13 56 | 2 37 | 19 24 | 0 21 | 6 44 | 1 7 | 8 31 | 2 19 | 15 48 | 0 27 | 18 47 | 0 31 | 5 39 | 14 56 | 5 43 | 5 22 | 15 26 | 0 20 | 5 41 |
| S 22 | 23 19 | 18 22 | 4 55 | 24 34 | 2 21 | 14 4 | 2 42 | 19 33 | 0 21 | 6 41 | 1 6 | 8 32 | 2 19 | 15 49 | 0 27 | 18 47 | 0 31 | 5 39 | 14 56 | 5 38 | 5 20 | 15 24 | 0 20 | 5 42 |
| M23 | 23 18 | 17 8 | 5 0 | 24 22 | 2 20 | 14 12 | 2 47 | 19 42 | 0 20 | 6 38 | 1 6 | 8 33 | 2 19 | 15 50 | 0 27 | 18 46 | 0 31 | 5 40 | 14 56 | 5 34 | 5 19 | 15 23 | 0 21 | 5 42 |
| T 24 | 23 17 | 14 43 | 4 44 | 24 10 | 2 20 | 14 20 | 2 52 | 19 51 | 0 20 | 6 34 | 1 6 | 8 35 | 2 19 | 15 50 | 0 27 | 18 46 | 0 31 | 5 40 | 14 56 | 5 30 | 5 18 | 15 22 | 0 22 | 5 43 |
| W25 | 23 16 | 11 20 | 4 9 | 23 55 | 2 19 | 14 28 | 2 56 | 20 0 | 0 19 | 6 31 | 1 6 | 8 36 | 2 20 | 15 51 | 0 27 | 18 45 | 0 30 | 5 40 | 14 56 | 5 27 | 5 17 | 15 21 | 0 23 | 5 43 |
| T 26 | 23 15 | 7 20 | 3 18 | 23 40 | 2 17 | 14 37 | 3 0 | 20 8 | 0 19 | 6 28 | 1 6 | 8 38 | 2 20 | 15 52 | 0 27 | 18 45 | 0 30 | 5 40 | 14 57 | 5 25 | 5 15 | 15 20 | 0 23 | 5 43 |
| F 27 | 23 12 | 3 1 | 2 16 | 23 23 | 2 14 | 14 46 | 3 3 | 20 17 | 0 18 | 6 24 | 1 6 | 8 39 | 2 20 | 15 53 | 0 27 | 18 44 | 0 30 | 5 40 | 14 57 | 5 23 | 5 14 | 15 19 | 0 24 | 5 44 |
| S 28 | 23 10 | 1s21 | 1 8 | 23 6 | 2 11 | 14 56 | 3 7 | 20 25 | 0 18 | 6 20 | 1 6 | 8 40 | 2 20 | 15 54 | 0 27 | 18 44 | 0 30 | 5 40 | 14 57 | 5 23 | 5 13 | 15 18 | 0 24 | 5 44 |
| S 29 | 23 7 | 5 31 | 0n 2 | 22 47 | 2 7 | 15 5 | 3 10 | 20 33 | 0 17 | 6 17 | 1 5 | 8 41 | 2 20 | 15 54 | 0 27 | 18 43 | 0 30 | 5 41 | 14 57 | 5 23 | 5 12 | 15 17 | 0 25 | 5 45 |
| M30 | 23 3 | 9 19 | 1 11 | 22 27 | 2 3 | 15 15 | 3 12 | 20 41 | 0 16 | 6 13 | 1 5 | 8 43 | 2 21 | 15 55 | 0 27 | 18 43 | 0 30 | 5 41 | 14 57 | 5 23 | 5 10 | 15 16 | 0 25 | 5 45 |
| T 31 | 22s59 | 12s36 | 2n14 | 22s 7 | 1s57 | 15s25 | 3n15 | 20s49 | 0n16 | 6s 9 | 1s 5 | 8s44 | 2n21 | 15s56 | 0n27 | 18s43 | 0n30 | 5s41 | 14n58 | 5s22 | 5s 9 | 15s14 | 0s26 | 5s45 |

Julian Day Number = 2810547.5, Delta T = 53m02s
Ecliptic obliquity = 23°18'34, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°29'58, Lahiri = 37°36'59


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# ASTRODIENST EPHEMERIS for the year 2983
# geocentric

## JANUARY 2983 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 6 43 47 | 10♑19'41 | 22♏25 | 0♒23 | 24♏29 | 5♐58 | 17♓ 2 | 28♎41 | 15♏27 | 3♒49 | 1♐35 | 13°R36 | 13♎ 4 | 0♒ 1 | 17°R35 | W 1 |
| T 2 | 6 47 44 | 11°20'42 | 4♐44 | 1°31 | 25°22 | 6°38 | 17°12 | 28°45 | 15°29 | 3°51 | 1°37 | 13♎28 | 13° 1 | 0° 7 | 17♍35 | T 2 |
| F 3 | 6 51 40 | 12°21'44 | 16°55 | 2°35 | 26°16 | 7°18 | 17°21 | 28°49 | 15°32 | 3°53 | 1°39 | 13°17 | 12°58 | 0°14 | 17°35 | F 3 |
| S 4 | 6 55 37 | 13°22'46 | 28°59 | 3°33 | 27°10 | 7°59 | 17°31 | 28°52 | 15°34 | 3°55 | 1°41 | 13° 4 | 12°55 | 0°21 | 17°34 | S 4 |
| S 5 | 6 59 33 | 14°23'49 | 10♑58 | 4°27 | 28° 5 | 8°39 | 17°41 | 28°56 | 15°37 | 3°58 | 1°43 | 12°49 | 12°51 | 0°28 | 17°34 | S 5 |
| M 6 | 7 3 30 | 15°24'53 | 22°53 | 5°14 | 29° 0 | 9°19 | 17°51 | 28°59 | 15°39 | 4° 0 | 1°44 | 12°33 | 12°48 | 0°34 | 17°33 | M 6 |
| T 7 | 7 7 27 | 16°25'57 | 4♒44 | 5°54 | 29°57 | 10° 0 | 18° 2 | 29° 3 | 15°41 | 4° 2 | 1°46 | 12°19 | 12°45 | 0°41 | 17°32 | T 7 |
| W 8 | 7 11 23 | 17°27'02 | 16°35 | 6°26 | 0♐53 | 10°40 | 18°12 | 29° 6 | 15°44 | 4° 4 | 1°48 | 12° 6 | 12°42 | 0°48 | 17°31 | W 8 |
| T 9 | 7 15 20 | 18°28'06 | 28°26 | 6°49 | 1°50 | 11°20 | 18°23 | 29° 9 | 15°46 | 4° 6 | 1°50 | 11°57 | 12°39 | 0°54 | 17°31 | T 9 |
| F 10 | 7 19 16 | 19°29'11 | 10♓20 | 7° 2 | 2°48 | 12° 1 | 18°33 | 29°12 | 15°48 | 4° 9 | 1°52 | 11°50 | 12°36 | 1° 1 | 17°29 | F 10 |
| S 11 | 7 23 13 | 20°30'17 | 22°21 | 7°R 5 | 3°46 | 12°41 | 18°44 | 29°15 | 15°50 | 4°11 | 1°54 | 11°47 | 12°32 | 1° 8 | 17°28 | S 11 |
| S 12 | 7 27 9 | 21°31'22 | 4♈32 | 6°57 | 4°45 | 13°21 | 18°55 | 29°18 | 15°52 | 4°13 | 1°55 | 11°45 | 12°29 | 1°15 | 17°27 | S 12 |
| M13 | 7 31 6 | 22°32'27 | 17° 0 | 6°37 | 5°44 | 14° 2 | 19° 6 | 29°21 | 15°54 | 4°15 | 1°57 | 11°45 | 12°26 | 1°21 | 17°26 | M13 |
| T 14 | 7 35 2 | 23°33'33 | 29°49 | 6° 5 | 6°44 | 14°42 | 19°17 | 29°23 | 15°56 | 4°17 | 1°59 | 11°45 | 12°23 | 1°28 | 17°24 | T 14 |
| W15 | 7 38 59 | 24°34'38 | 13♉ 2 | 5°21 | 7°44 | 15°23 | 19°28 | 29°26 | 15°58 | 4°20 | 2° 0 | 11°44 | 12°20 | 1°35 | 17°22 | W15 |
| T 16 | 7 42 56 | 25°35'43 | 26°45 | 4°27 | 8°45 | 16° 3 | 19°39 | 29°28 | 16° 0 | 4°22 | 2° 2 | 11°40 | 12°17 | 1°41 | 17°21 | T 16 |
| F 17 | 7 46 52 | 26°36'48 | 10♊59 | 3°23 | 9°46 | 16°44 | 19°50 | 29°31 | 16° 2 | 4°24 | 2° 4 | 11°34 | 12°13 | 1°48 | 17°19 | F 17 |
| S 18 | 7 50 49 | 27°37'53 | 25°41 | 2°11 | 10°47 | 17°24 | 20° 2 | 29°33 | 16° 4 | 4°26 | 2° 5 | 11°26 | 12°10 | 1°55 | 17°17 | S 18 |
| S 19 | 7 54 45 | 28°38'59 | 10♋46 | 0°54 | 11°49 | 18° 5 | 20°13 | 29°35 | 16° 6 | 4°29 | 2° 7 | 11°15 | 12° 7 | 2° 2 | 17°15 | S 19 |
| M20 | 7 58 42 | 29°40'03 | 26° 6 | 29♑33 | 12°51 | 18°45 | 20°25 | 29°37 | 16° 7 | 4°31 | 2° 8 | 11° 4 | 12° 4 | 2° 8 | 17°13 | M20 |
| T 21 | 8 2 38 | 0♒41'08 | 11♌28 | 28°12 | 13°53 | 19°26 | 20°37 | 29°39 | 16° 9 | 4°33 | 2°10 | 10°54 | 12° 1 | 2°15 | 17°11 | T 21 |
| W22 | 8 6 35 | 1°42'13 | 26°41 | 26°53 | 14°56 | 20° 7 | 20°49 | 29°41 | 16°10 | 4°36 | 2°11 | 10°46 | 11°57 | 2°22 | 17° 8 | W22 |
| T 23 | 8 10 31 | 2°43'18 | 11♍35 | 25°38 | 15°59 | 20°47 | 21° 0 | 29°43 | 16°12 | 4°38 | 2°13 | 10°40 | 11°54 | 2°28 | 17° 6 | T 23 |
| F 24 | 8 14 28 | 3°44'23 | 26° 3 | 24°30 | 17° 3 | 21°28 | 21°12 | 29°44 | 16°13 | 4°40 | 2°14 | 10°37 | 11°51 | 2°35 | 17° 3 | F 24 |
| S 25 | 8 18 25 | 4°45'28 | 10♎ 3 | 23°31 | 18° 7 | 22° 9 | 21°25 | 29°46 | 16°15 | 4°42 | 2°16 | 10°D36 | 11°48 | 2°42 | 17° 1 | S 25 |
| S 26 | 8 22 21 | 5°46'34 | 23°34 | 22°40 | 19°11 | 22°49 | 21°37 | 29°47 | 16°16 | 4°45 | 2°17 | 10°37 | 11°45 | 2°49 | 16°58 | S 26 |
| M27 | 8 26 18 | 6°47'39 | 6♏39 | 21°58 | 20°15 | 23°30 | 21°49 | 29°49 | 16°18 | 4°47 | 2°18 | 10°R37 | 11°42 | 2°55 | 16°55 | M27 |
| T 28 | 8 30 14 | 7°48'45 | 19°22 | 21°27 | 21°20 | 24°11 | 22° 1 | 29°50 | 16°19 | 4°49 | 2°20 | 10°36 | 11°38 | 3° 2 | 16°52 | T 28 |
| W29 | 8 34 11 | 8°49'50 | 1♐47 | 21° 5 | 22°25 | 24°52 | 22°14 | 29°51 | 16°20 | 4°51 | 2°21 | 10°33 | 11°35 | 3° 9 | 16°50 | W29 |
| T 30 | 8 38 7 | 9°50'55 | 14° 0 | 20°53 | 23°30 | 25°33 | 22°26 | 29°52 | 16°21 | 4°54 | 2°22 | 10°28 | 11°32 | 3°15 | 16°46 | T 30 |
| F 31 | 8 42 4 | 10♒52'01 | 26♐ 3 | 20°D50 | 24♐36 | 26♐14 | 22♓39 | 29♎53 | 16♏22 | 4♒56 | 2♐23 | 10♎20 | 11♎29 | 3♒22 | 16♍43 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s55 | 15s14 | 3n 9 | 21s46 | 1s51 | 15s36 | 3n18 | 20s56 | 0n15 | 6s 6 | 1s 5 | 8s45 | 2n21 | 15s57 | 0n27 | 18s42 | 0n30 | 5s41 | 14n58 | 5s20 | 5s 8 | 15s13 | 0s26 | 5s46 |
| T 2 | 22 50 | 17 7 | 3 55 | 21 24 | 1 43 | 15 46 | 3 20 | 21 4 | 0 15 | 6 2 | 1 5 | 8 46 | 2 21 | 15 57 | 0 27 | 18 42 | 0 30 | 5 41 | 14 58 | 5 17 | 5 7 | 15 12 | 0 26 | 5 46 |
| F 3 | 22 44 | 18 13 | 4 29 | 21 1 | 1 35 | 15 56 | 3 22 | 21 11 | 0 14 | 5 58 | 1 5 | 8 47 | 2 22 | 15 58 | 0 27 | 18 41 | 0 30 | 5 41 | 14 59 | 5 13 | 5 6 | 15 11 | 0 27 | 5 47 |
| S 4 | 22 38 | 18 28 | 4 50 | 20 39 | 1 26 | 16 7 | 3 23 | 21 18 | 0 13 | 5 54 | 1 5 | 8 48 | 2 22 | 15 59 | 0 27 | 18 41 | 0 30 | 5 41 | 14 59 | 5 8 | 5 4 | 15 10 | 0 27 | 5 47 |
| S 5 | 22 32 | 17 54 | 4 59 | 20 16 | 1 16 | 16 18 | 3 25 | 21 25 | 0 13 | 5 50 | 1 4 | 8 49 | 2 22 | 15 59 | 0 27 | 18 40 | 0 30 | 5 41 | 14 59 | 5 2 | 5 3 | 15 9 | 0 27 | 5 47 |
| M 6 | 22 25 | 16 32 | 4 54 | 19 54 | 1 4 | 16 28 | 3 26 | 21 32 | 0 12 | 5 46 | 1 4 | 8 50 | 2 22 | 16 0 | 0 27 | 18 40 | 0 30 | 5 41 | 14 59 | 4 56 | 5 2 | 15 8 | 0 27 | 5 48 |
| T 7 | 22 18 | 14 29 | 4 37 | 19 32 | 0 51 | 16 39 | 3 27 | 21 38 | 0 12 | 5 42 | 1 4 | 8 51 | 2 23 | 16 1 | 0 27 | 18 39 | 0 30 | 5 41 | 15 0 | 4 50 | 5 1 | 15 7 | 0 27 | 5 48 |
| W 8 | 22 11 | 11 50 | 4 8 | 19 10 | 0 38 | 16 49 | 3 28 | 21 45 | 0 11 | 5 37 | 1 4 | 8 52 | 2 23 | 16 1 | 0 27 | 18 39 | 0 30 | 5 41 | 15 0 | 4 46 | 4 59 | 15 5 | 0 27 | 5 49 |
| T 9 | 22 3 | 8 42 | 3 27 | 18 50 | 0 23 | 17 0 | 3 29 | 21 51 | 0 10 | 5 33 | 1 4 | 8 53 | 2 23 | 16 2 | 0 27 | 18 38 | 0 30 | 5 41 | 15 0 | 4 42 | 4 58 | 15 4 | 0 27 | 5 49 |
| F 10 | 21 54 | 5 13 | 2 38 | 18 31 | 0 6 | 17 11 | 3 30 | 21 57 | 0 10 | 5 29 | 1 4 | 8 54 | 2 23 | 16 3 | 0 27 | 18 38 | 0 30 | 5 41 | 15 1 | 4 39 | 4 57 | 15 3 | 0 27 | 5 49 |
| S 11 | 21 45 | 1 29 | 1 41 | 18 14 | 0n11 | 17 21 | 3 30 | 22 3 | 0 9 | 5 25 | 1 4 | 8 54 | 2 24 | 16 3 | 0 27 | 18 37 | 0 30 | 5 41 | 15 1 | 4 38 | 4 56 | 15 2 | 0 27 | 5 50 |
| S 12 | 21 36 | 2n23 | 0 38 | 17 58 | 0 29 | 17 31 | 3 30 | 22 8 | 0 9 | 5 20 | 1 4 | 8 55 | 2 24 | 16 4 | 0 27 | 18 37 | 0 30 | 5 41 | 15 1 | 4 37 | 4 54 | 15 1 | 0 27 | 5 50 |
| M13 | 21 26 | 6 13 | 0s28 | 17 45 | 0 48 | 17 42 | 3 30 | 22 14 | 0 8 | 5 16 | 1 3 | 8 56 | 2 24 | 16 4 | 0 27 | 18 36 | 0 30 | 5 41 | 15 2 | 4 37 | 4 53 | 15 0 | 0 27 | 5 50 |
| T 14 | 21 16 | 9 52 | 1 34 | 17 34 | 1 7 | 17 52 | 3 30 | 22 19 | 0 7 | 5 12 | 1 3 | 8 56 | 2 25 | 16 5 | 0 27 | 18 36 | 0 30 | 5 41 | 15 2 | 4 37 | 4 52 | 14 59 | 0 26 | 5 51 |
| W15 | 21 5 | 13 10 | 2 38 | 17 26 | 1 26 | 18 2 | 3 30 | 22 24 | 0 7 | 5 7 | 1 3 | 8 57 | 2 25 | 16 6 | 0 27 | 18 35 | 0 30 | 5 41 | 15 2 | 4 37 | 4 51 | 14 57 | 0 26 | 5 51 |
| T 16 | 20 54 | 15 51 | 3 34 | 17 20 | 1 45 | 18 12 | 3 29 | 22 29 | 0 6 | 5 3 | 1 3 | 8 58 | 2 25 | 16 6 | 0 27 | 18 35 | 0 30 | 5 41 | 15 3 | 4 36 | 4 50 | 14 56 | 0 26 | 5 51 |
| F 17 | 20 43 | 17 40 | 4 20 | 17 17 | 2 4 | 18 21 | 3 29 | 22 34 | 0 5 | 4 58 | 1 3 | 8 58 | 2 25 | 16 7 | 0 27 | 18 34 | 0 30 | 5 41 | 15 3 | 4 33 | 4 48 | 14 55 | 0 25 | 5 52 |
| S 18 | 20 31 | 18 24 | 4 50 | 17 17 | 2 21 | 18 31 | 3 28 | 22 38 | 0 5 | 4 54 | 1 3 | 8 59 | 2 26 | 16 7 | 0 27 | 18 34 | 0 30 | 5 41 | 15 3 | 4 30 | 4 47 | 14 54 | 0 25 | 5 52 |
| S 19 | 20 19 | 17 52 | 5 2 | 17 18 | 2 36 | 18 40 | 3 27 | 22 43 | 0 4 | 4 49 | 1 3 | 8 59 | 2 26 | 16 8 | 0 27 | 18 33 | 0 30 | 5 41 | 15 4 | 4 26 | 4 46 | 14 53 | 0 24 | 5 52 |
| M20 | 20 7 | 16 2 | 4 51 | 17 22 | 2 50 | 18 49 | 3 26 | 22 47 | 0 3 | 4 44 | 1 3 | 9 0 | 2 26 | 16 8 | 0 27 | 18 32 | 0 30 | 5 41 | 15 4 | 4 22 | 4 45 | 14 52 | 0 24 | 5 53 |
| T 21 | 19 54 | 13 4 | 4 20 | 17 27 | 3 1 | 18 57 | 3 25 | 22 51 | 0 3 | 4 40 | 1 3 | 9 0 | 2 26 | 16 8 | 0 27 | 18 32 | 0 30 | 5 41 | 15 5 | 4 18 | 4 43 | 14 50 | 0 23 | 5 53 |
| W22 | 19 40 | 9 15 | 3 31 | 17 34 | 3 10 | 19 6 | 3 23 | 22 55 | 0 2 | 4 35 | 1 3 | 9 1 | 2 27 | 16 9 | 0 27 | 18 31 | 0 30 | 5 41 | 15 5 | 4 14 | 4 42 | 14 49 | 0 23 | 5 53 |
| T 23 | 19 27 | 4 54 | 2 28 | 17 41 | 3 16 | 19 14 | 3 22 | 22 58 | 0 1 | 4 30 | 1 2 | 9 1 | 2 27 | 16 9 | 0 27 | 18 31 | 0 30 | 5 41 | 15 5 | 4 12 | 4 41 | 14 48 | 0 22 | 5 54 |
| F 24 | 19 13 | 0 23 | 1 17 | 17 50 | 3 19 | 19 21 | 3 20 | 23 2 | 0 1 | 4 25 | 1 2 | 9 1 | 2 27 | 16 10 | 0 27 | 18 30 | 0 30 | 5 41 | 15 6 | 4 11 | 4 40 | 14 47 | 0 21 | 5 54 |
| S 25 | 18 58 | 4s 0 | 0 3 | 17 59 | 3 21 | 19 29 | 3 19 | 23 5 | 0s 0 | 4 21 | 1 2 | 9 1 | 2 28 | 16 10 | 0 27 | 18 30 | 0 30 | 5 40 | 15 6 | 4 11 | 4 38 | 14 46 | 0 21 | 5 54 |
| S 26 | 18 44 | 8 2 | 1n 9 | 18 8 | 3 20 | 19 36 | 3 17 | 23 8 | 0 1 | 4 16 | 1 2 | 9 2 | 2 28 | 16 11 | 0 28 | 18 29 | 0 30 | 5 40 | 15 7 | 4 11 | 4 37 | 14 45 | 0 20 | 5 54 |
| M27 | 18 28 | 11 33 | 2 14 | 18 18 | 3 17 | 19 43 | 3 15 | 23 10 | 0 1 | 4 11 | 1 2 | 9 2 | 2 28 | 16 11 | 0 28 | 18 29 | 0 30 | 5 40 | 15 7 | 4 11 | 4 36 | 14 43 | 0 19 | 5 55 |
| T 28 | 18 13 | 14 24 | 3 11 | 18 27 | 3 12 | 19 49 | 3 13 | 23 13 | 0 2 | 4 6 | 1 2 | 9 2 | 2 28 | 16 11 | 0 28 | 18 28 | 0 30 | 5 40 | 15 7 | 4 11 | 4 35 | 14 42 | 0 18 | 5 55 |
| W29 | 17 57 | 16 31 | 3 58 | 18 36 | 3 6 | 19 55 | 3 11 | 23 15 | 0 3 | 4 1 | 1 2 | 9 2 | 2 29 | 16 12 | 0 28 | 18 28 | 0 30 | 5 40 | 15 8 | 4 9 | 4 34 | 14 41 | 0 17 | 5 55 |
| T 30 | 17 41 | 17 51 | 4 33 | 18 45 | 2 59 | 20 1 | 3 8 | 23 18 | 0 4 | 3 56 | 1 2 | 9 2 | 2 29 | 16 12 | 0 28 | 18 27 | 0 30 | 5 39 | 15 8 | 4 7 | 4 32 | 14 40 | 0 16 | 5 55 |
| F 31 | 17s25 | 18s20 | 4n55 | 18s54 | 2n51 | 20s 6 | 3n 6 | 23s20 | 0s 4 | 3s51 | 1s 2 | 9s 2 | 2n29 | 16s12 | 0n28 | 18s27 | 0n30 | 5s39 | 15n 9 | 4s 4 | 4s31 | 14s39 | 0s15 | 5s55 |

Julian Day Number = 2810578.5, Delta T = 53m02s
Ecliptic obliquity = 23°18'33, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°30'03, Lahiri = 37°37'03


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# ASTRODIENST EPHEMERIS for the year 2983
# geocentric

## FEBRUARY 2983 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 46 0 | 11♒53'06 | 7♉59 | 20♉55 | 25♐42 | 26♐54 | 22♓51 | 29♎54 | 16♏24 | 4♒58 | 2♐25 | 10°R10 | 11♎26 | 3♒29 | 16°R40 | S 1 |
| S 2 | 8 49 57 | 12°54'11 | 19°52 | 21° 8 | 26°48 | 27°35 | 23° 4 | 29°54 | 16°25 | 5° 0 | 2°26 | 9♎59 | 11°23 | 3°36 | 16♍37 | S 2 |
| M 3 | 8 53 54 | 13°55'15 | 1♒44 | 21°28 | 27°54 | 28°16 | 23°17 | 29°55 | 16°25 | 5° 3 | 2°27 | 9°47 | 11°19 | 3°42 | 16°33 | M 3 |
| T 4 | 8 57 50 | 14°56'19 | 13°35 | 21°55 | 29° 0 | 28°57 | 23°30 | 29°55 | 16°26 | 5° 5 | 2°28 | 9°36 | 11°16 | 3°49 | 16°30 | T 4 |
| W 5 | 9 1 47 | 15°57'23 | 25°28 | 22°28 | 0♉ 7 | 29°38 | 23°43 | 29°56 | 16°27 | 5° 7 | 2°29 | 9°26 | 11°13 | 3°56 | 16°26 | W 5 |
| T 6 | 9 5 43 | 16°58'25 | 7♓24 | 23° 5 | 1°14 | 0♉19 | 23°56 | 29°56 | 16°28 | 5° 9 | 2°30 | 9°19 | 11°10 | 4° 2 | 16°23 | T 6 |
| F 7 | 9 9 40 | 17°59'28 | 19°25 | 23°48 | 2°21 | 1° 0 | 24° 9 | 29°56 | 16°29 | 5°12 | 2°31 | 9°14 | 11° 7 | 4° 9 | 16°19 | F 7 |
| S 8 | 9 13 36 | 19° 0'29 | 1♈32 | 24°35 | 3°28 | 1°41 | 24°22 | 29°R56 | 16°29 | 5°14 | 2°32 | 9°12 | 11° 3 | 4°16 | 16°15 | S 8 |
| S 9 | 9 17 33 | 20° 1'29 | 13°50 | 25°26 | 4°35 | 2°22 | 24°35 | 29°56 | 16°30 | 5°16 | 2°33 | 9°D12 | 11° 0 | 4°23 | 16°11 | S 9 |
| M10 | 9 21 29 | 21° 2'29 | 26°21 | 26°21 | 5°43 | 3° 3 | 24°49 | 29°56 | 16°31 | 5°18 | 2°34 | 9°13 | 10°57 | 4°29 | 16° 8 | M10 |
| T 11 | 9 25 26 | 22° 3'27 | 9♉ 9 | 27°19 | 6°51 | 3°44 | 25° 2 | 29°55 | 16°31 | 5°21 | 2°35 | 9°14 | 10°54 | 4°36 | 16° 4 | T 11 |
| W12 | 9 29 23 | 23° 4'25 | 22°18 | 28°20 | 7°59 | 4°26 | 25°15 | 29°55 | 16°32 | 5°23 | 2°35 | 9°R15 | 10°51 | 4°43 | 16° 0 | W12 |
| T 13 | 9 33 19 | 24° 5'21 | 5♊51 | 29°23 | 9° 7 | 5° 7 | 25°29 | 29°54 | 16°32 | 5°25 | 2°36 | 9°14 | 10°48 | 4°49 | 15°55 | T 13 |
| F 14 | 9 37 16 | 25° 6'16 | 19°51 | 0♋29 | 10°15 | 5°48 | 25°42 | 29°54 | 16°32 | 5°27 | 2°37 | 9°11 | 10°44 | 4°56 | 15°51 | F 14 |
| S 15 | 9 41 12 | 26° 7'11 | 4♋17 | 1°38 | 11°24 | 6°29 | 25°56 | 29°53 | 16°33 | 5°29 | 2°38 | 9° 7 | 10°41 | 5° 3 | 15°47 | S 15 |
| S 16 | 9 45 9 | 27° 8'04 | 19° 6 | 2°48 | 12°32 | 7°10 | 26° 9 | 29°52 | 16°33 | 5°31 | 2°38 | 9° 1 | 10°38 | 5°10 | 15°43 | S 16 |
| M17 | 9 49 5 | 28° 8'55 | 4♌11 | 4° 0 | 13°41 | 7°52 | 26°23 | 29°51 | 16°33 | 5°34 | 2°39 | 8°55 | 10°35 | 5°16 | 15°39 | M17 |
| T 18 | 9 53 2 | 29° 9'46 | 19°24 | 5°14 | 14°50 | 8°33 | 26°37 | 29°50 | 16°33 | 5°36 | 2°39 | 8°49 | 10°32 | 5°23 | 15°34 | T 18 |
| W19 | 9 56 58 | 0♓10'35 | 4♍34 | 6°29 | 15°59 | 9°14 | 26°51 | 29°49 | 16°R33 | 5°38 | 2°40 | 8°44 | 10°29 | 5°30 | 15°30 | W19 |
| T 20 | 10 0 55 | 1°11'24 | 19°32 | 7°46 | 17° 8 | 9°55 | 27° 4 | 29°48 | 16°33 | 5°40 | 2°40 | 8°40 | 10°25 | 5°36 | 15°26 | T 20 |
| F 21 | 10 4 52 | 2°12'11 | 4♎ 8 | 9° 5 | 18°17 | 10°37 | 27°18 | 29°46 | 16°33 | 5°42 | 2°41 | 8°D39 | 10°22 | 5°43 | 15°21 | F 21 |
| S 22 | 10 8 48 | 3°12'58 | 18°18 | 10°24 | 19°26 | 11°18 | 27°32 | 29°45 | 16°33 | 5°44 | 2°41 | 8°39 | 10°19 | 5°50 | 15°17 | S 22 |
| S 23 | 10 12 45 | 4°13'43 | 2♏ 0 | 11°45 | 20°36 | 11°59 | 27°46 | 29°43 | 16°33 | 5°46 | 2°42 | 8°40 | 10°16 | 5°56 | 15°12 | S 23 |
| M24 | 10 16 41 | 5°14'28 | 15°15 | 13° 8 | 21°46 | 12°41 | 28° 0 | 29°42 | 16°32 | 5°48 | 2°42 | 8°42 | 10°13 | 6° 3 | 15° 8 | M24 |
| T 25 | 10 20 38 | 6°15'12 | 28° 5 | 14°31 | 22°55 | 13°22 | 28°14 | 29°40 | 16°32 | 5°50 | 2°42 | 8°43 | 10° 9 | 6°10 | 15° 3 | T 25 |
| W26 | 10 24 34 | 7°15'55 | 10♐34 | 15°55 | 24° 5 | 14° 4 | 28°28 | 29°38 | 16°32 | 5°52 | 2°43 | 8°R44 | 10° 6 | 6°17 | 14°58 | W26 |
| T 27 | 10 28 31 | 8°16'37 | 22°48 | 17°21 | 25°15 | 14°45 | 28°42 | 29°36 | 16°32 | 5°54 | 2°43 | 8°43 | 10° 3 | 6°23 | 14°54 | T 27 |
| F 28 | 10 32 27 | 9♓17'18 | 4♉49 | 18♒47 | 26♉25 | 15♉27 | 28♓56 | 29♎34 | 16♏31 | 5♒56 | 2♐43 | 8♎40 | 10♎ 0 | 6♒30 | 14♍49 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17s 8 | 18s 1 | 5n 4 | 19s 2 | 2n42 | 20s11 | 3n 4 | 23s21 | 0s 5 | 3s46 | 1s 2 | 9s 2 | 2n29 | 16s12 | 0n28 | 18s26 | 0n30 | 5s39 | 15n 9 | 4s 0 | 4s30 | 14s38 | 0s14 | 5s56 |
| S 2 | 16 51 | 16 54 | 5 0 | 19 9 | 2 32 | 20 15 | 3 1 | 23 23 | 0 6 | 3 41 | 1 2 | 9 2 | 2 30 | 16 13 | 0 28 | 18 26 | 0 30 | 5 39 | 15 10 | 3 56 | 4 29 | 14 36 | 0 13 | 5 56 |
| M 3 | 16 34 | 15 4 | 4 42 | 19 16 | 2 22 | 20 19 | 2 58 | 23 24 | 0 6 | 3 36 | 1 2 | 9 2 | 2 30 | 16 13 | 0 28 | 18 25 | 0 30 | 5 39 | 15 10 | 3 51 | 4 27 | 14 35 | 0 12 | 5 56 |
| T 4 | 16 16 | 12 37 | 4 13 | 19 22 | 2 12 | 20 23 | 2 56 | 23 25 | 0 7 | 3 31 | 1 1 | 9 2 | 2 30 | 16 13 | 0 28 | 18 24 | 0 30 | 5 38 | 15 10 | 3 47 | 4 26 | 14 34 | 0 11 | 5 56 |
| W 5 | 15 58 | 9 37 | 3 32 | 19 27 | 2 1 | 20 26 | 2 53 | 23 26 | 0 8 | 3 25 | 1 1 | 9 2 | 2 31 | 16 13 | 0 28 | 18 24 | 0 30 | 5 38 | 15 11 | 3 43 | 4 25 | 14 33 | 0 9 | 5 56 |
| T 6 | 15 40 | 6 14 | 2 42 | 19 31 | 1 51 | 20 28 | 2 50 | 23 27 | 0 9 | 3 20 | 1 1 | 9 2 | 2 31 | 16 14 | 0 28 | 18 23 | 0 30 | 5 38 | 15 11 | 3 40 | 4 24 | 14 32 | 0 8 | 5 56 |
| F 7 | 15 21 | 2 34 | 1 44 | 19 35 | 1 40 | 20 31 | 2 47 | 23 28 | 0 9 | 3 15 | 1 1 | 9 2 | 2 31 | 16 14 | 0 28 | 18 23 | 0 30 | 5 38 | 15 12 | 3 38 | 4 22 | 14 30 | 0 7 | 5 57 |
| S 8 | 15 3 | 1n14 | 0 41 | 19 37 | 1 30 | 20 32 | 2 44 | 23 28 | 0 10 | 3 10 | 1 1 | 9 1 | 2 31 | 16 14 | 0 28 | 18 22 | 0 30 | 5 37 | 15 12 | 3 38 | 4 21 | 14 29 | 0 5 | 5 57 |
| S 9 | 14 44 | 5 3 | 0s25 | 19 38 | 1 19 | 20 33 | 2 41 | 23 28 | 0 11 | 3 4 | 1 1 | 9 1 | 2 32 | 16 14 | 0 28 | 18 22 | 0 30 | 5 37 | 15 13 | 3 37 | 4 20 | 14 28 | 0 4 | 5 57 |
| M10 | 14 24 | 8 42 | 1 31 | 19 39 | 1 9 | 20 34 | 2 37 | 23 28 | 0 12 | 2 59 | 1 1 | 9 1 | 2 32 | 16 14 | 0 28 | 18 21 | 0 30 | 5 37 | 15 13 | 3 38 | 4 19 | 14 27 | 0 3 | 5 57 |
| T 11 | 14 5 | 12 1 | 2 35 | 19 38 | 0 58 | 20 34 | 2 34 | 23 28 | 0 12 | 2 54 | 1 1 | 9 0 | 2 32 | 16 14 | 0 28 | 18 21 | 0 30 | 5 36 | 15 14 | 3 38 | 4 17 | 14 26 | 0 1 | 5 57 |
| W12 | 13 45 | 14 50 | 3 32 | 19 36 | 0 48 | 20 34 | 2 31 | 23 27 | 0 13 | 2 49 | 1 1 | 9 0 | 2 33 | 16 15 | 0 28 | 18 20 | 0 30 | 5 36 | 15 14 | 3 39 | 4 16 | 14 24 | 0n 0 | 5 57 |
| T 13 | 13 25 | 16 55 | 4 19 | 19 33 | 0 38 | 20 33 | 2 27 | 23 27 | 0 14 | 2 43 | 1 1 | 9 0 | 2 33 | 16 15 | 0 28 | 18 20 | 0 30 | 5 36 | 15 14 | 3 38 | 4 15 | 14 23 | 0 2 | 5 57 |
| F 14 | 13 5 | 18 4 | 4 52 | 19 28 | 0 28 | 20 32 | 2 24 | 23 26 | 0 15 | 2 38 | 1 1 | 8 59 | 2 33 | 16 15 | 0 28 | 18 19 | 0 30 | 5 35 | 15 15 | 3 37 | 4 14 | 14 22 | 0 3 | 5 57 |
| S 15 | 12 45 | 18 6 | 5 8 | 19 23 | 0 19 | 20 30 | 2 20 | 23 25 | 0 16 | 2 32 | 1 1 | 8 59 | 2 33 | 16 15 | 0 28 | 18 19 | 0 30 | 5 35 | 15 15 | 3 36 | 4 12 | 14 21 | 0 5 | 5 57 |
| S 16 | 12 24 | 16 56 | 5 5 | 19 16 | 0 9 | 20 27 | 2 17 | 23 23 | 0 16 | 2 27 | 1 1 | 8 58 | 2 34 | 16 15 | 0 28 | 18 18 | 0 30 | 5 35 | 15 16 | 3 33 | 4 11 | 14 20 | 0 6 | 5 57 |
| M17 | 12 3 | 14 34 | 4 40 | 19 9 | 0 0 | 20 24 | 2 13 | 23 22 | 0 17 | 2 22 | 1 1 | 8 57 | 2 34 | 16 15 | 0 28 | 18 18 | 0 30 | 5 34 | 15 16 | 3 31 | 4 10 | 14 18 | 0 8 | 5 57 |
| T 18 | 11 42 | 11 11 | 3 56 | 19 0 | 0s 8 | 20 21 | 2 9 | 23 20 | 0 18 | 2 16 | 1 1 | 8 57 | 2 34 | 16 15 | 0 28 | 18 17 | 0 30 | 5 34 | 15 17 | 3 28 | 4 9 | 14 17 | 0 10 | 5 57 |
| W19 | 11 21 | 7 4 | 2 55 | 18 50 | 0 17 | 20 17 | 2 6 | 23 18 | 0 19 | 2 11 | 1 1 | 8 56 | 2 34 | 16 15 | 0 28 | 18 17 | 0 30 | 5 34 | 15 17 | 3 26 | 4 8 | 14 16 | 0 11 | 5 57 |
| T 20 | 11 0 | 2 33 | 1 42 | 18 38 | 0 25 | 20 12 | 2 2 | 23 16 | 0 20 | 2 5 | 1 1 | 8 55 | 2 35 | 16 15 | 0 28 | 18 16 | 0 30 | 5 33 | 15 18 | 3 25 | 4 6 | 14 15 | 0 13 | 5 57 |
| F 21 | 10 38 | 2s 1 | 0 25 | 18 26 | 0 33 | 20 7 | 1 58 | 23 14 | 0 20 | 2 0 | 1 0 | 8 55 | 2 35 | 16 15 | 0 28 | 18 16 | 0 30 | 5 33 | 15 18 | 3 25 | 4 5 | 14 13 | 0 15 | 5 57 |
| S 22 | 10 16 | 6 20 | 0n52 | 18 12 | 0 41 | 20 1 | 1 54 | 23 11 | 0 21 | 1 54 | 1 0 | 8 54 | 2 35 | 16 15 | 0 28 | 18 15 | 0 30 | 5 33 | 15 19 | 3 25 | 4 4 | 14 12 | 0 17 | 5 57 |
| S 23 | 9 54 | 10 10 | 2 4 | 17 57 | 0 49 | 19 55 | 1 51 | 23 8 | 0 22 | 1 49 | 1 0 | 8 53 | 2 35 | 16 15 | 0 28 | 18 15 | 0 30 | 5 32 | 15 19 | 3 25 | 4 3 | 14 11 | 0 18 | 5 57 |
| M24 | 9 32 | 13 21 | 3 7 | 17 41 | 0 56 | 19 48 | 1 47 | 23 5 | 0 23 | 1 43 | 1 0 | 8 52 | 2 36 | 16 15 | 0 28 | 18 14 | 0 30 | 5 32 | 15 20 | 3 26 | 4 1 | 14 10 | 0 20 | 5 57 |
| T 25 | 9 10 | 15 46 | 3 58 | 17 23 | 1 3 | 19 41 | 1 43 | 23 2 | 0 24 | 1 37 | 1 0 | 8 52 | 2 36 | 16 15 | 0 28 | 18 14 | 0 30 | 5 31 | 15 20 | 3 26 | 4 0 | 14 9 | 0 22 | 5 57 |
| W26 | 8 48 | 17 21 | 4 36 | 17 5 | 1 9 | 19 33 | 1 39 | 22 59 | 0 25 | 1 32 | 1 0 | 8 51 | 2 36 | 16 14 | 0 28 | 18 13 | 0 30 | 5 31 | 15 21 | 3 27 | 3 59 | 14 7 | 0 24 | 5 57 |
| T 27 | 8 25 | 18 6 | 5 1 | 16 45 | 1 16 | 19 25 | 1 35 | 22 55 | 0 25 | 1 26 | 1 0 | 8 50 | 2 36 | 16 14 | 0 28 | 18 13 | 0 30 | 5 31 | 15 21 | 3 26 | 3 58 | 14 6 | 0 26 | 5 56 |
| F 28 | 8s 3 | 18s 1 | 5n12 | 16s24 | 1s22 | 19s16 | 1n31 | 22s51 | 0s26 | 1s21 | 1s 0 | 8s49 | 2n37 | 16s14 | 0n28 | 18s12 | 0n30 | 5s30 | 15n22 | 3s25 | 3s56 | 14s 5 | 0n28 | 5s56 |

Julian Day Number = 2810609.5, Delta T = 53m03s
Ecliptic obliquity = 23°18'34, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°30'07, Lahiri = 37°37'08


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# ASTRODIENST EPHEMERIS for the year 2983
# geocentric

## MARCH 2983 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 36 24 | 10♓17'58 | 16♉43 | 20♒15 | 27♉35 | 16♉ 8 | 29♓10 | 29°R32 | 16°R31 | 5♒58 | 2♐43 | 8°R36 | 9♎57 | 6♒37 | 14°R44 | S 1 |
| S 2 | 10 40 20 | 11°18'37 | 28°34 | 21°43 | 28°46 | 16°50 | 29°25 | 29♎30 | 16♏30 | 6° 0 | 2°44 | 8♎32 | 9°54 | 6°43 | 14♍40 | S 2 |
| M 3 | 10 44 17 | 12°19'14 | 10♒25 | 23°13 | 29°56 | 17°31 | 29°39 | 29°27 | 16°29 | 6° 2 | 2°44 | 8°27 | 9°50 | 6°50 | 14°35 | M 3 |
| T 4 | 10 48 14 | 13°19'51 | 22°18 | 24°43 | 1♒ 7 | 18°13 | 29°53 | 29°25 | 16°29 | 6° 4 | 2°44 | 8°22 | 9°47 | 6°57 | 14°30 | T 4 |
| W 5 | 10 52 10 | 14°20'26 | 4♓15 | 26°15 | 2°17 | 18°54 | 0♈ 7 | 29°22 | 16°28 | 6° 6 | 2°44 | 8°18 | 9°44 | 7° 4 | 14°26 | W 5 |
| T 6 | 10 56 7 | 15°20'59 | 16°20 | 27°47 | 3°28 | 19°36 | 0°22 | 29°20 | 16°27 | 6° 8 | 2°R44 | 8°15 | 9°41 | 7°10 | 14°21 | T 6 |
| F 7 | 11 0 3 | 16°21'31 | 28°32 | 29°20 | 4°39 | 20°17 | 0°36 | 29°17 | 16°26 | 6°10 | 2°44 | 8°14 | 9°38 | 7°17 | 14°16 | F 7 |
| S 8 | 11 4 0 | 17°22'02 | 10♈53 | 0♓55 | 5°49 | 20°59 | 0°50 | 29°14 | 16°26 | 6°11 | 2°44 | 8°D14 | 9°34 | 7°24 | 14°12 | S 8 |
| S 9 | 11 7 56 | 18°22'31 | 23°26 | 2°30 | 7° 0 | 21°41 | 1° 5 | 29°11 | 16°25 | 6°13 | 2°44 | 8°14 | 9°31 | 7°30 | 14° 7 | S 9 |
| M10 | 11 11 53 | 19°22'58 | 6♉11 | 4° 6 | 8°11 | 22°22 | 1°19 | 29° 8 | 16°24 | 6°15 | 2°44 | 8°15 | 9°28 | 7°37 | 14° 2 | M10 |
| T 11 | 11 15 49 | 20°23'23 | 19°10 | 5°43 | 9°22 | 23° 4 | 1°34 | 29° 5 | 16°23 | 6°17 | 2°43 | 8°17 | 9°25 | 7°44 | 13°58 | T 11 |
| W12 | 11 19 46 | 21°23'47 | 2♊25 | 7°21 | 10°33 | 23°46 | 1°48 | 29° 2 | 16°22 | 6°19 | 2°43 | 8°18 | 9°22 | 7°50 | 13°53 | W12 |
| T 13 | 11 23 43 | 22°24'09 | 15°58 | 9° 0 | 11°44 | 24°28 | 2° 2 | 28°59 | 16°20 | 6°20 | 2°43 | 8°19 | 9°19 | 7°57 | 13°48 | T 13 |
| F 14 | 11 27 39 | 23°24'29 | 29°50 | 10°40 | 12°56 | 25° 9 | 2°17 | 28°55 | 16°19 | 6°22 | 2°43 | 8°R19 | 9°15 | 8° 4 | 13°44 | F 14 |
| S 15 | 11 31 36 | 24°24'47 | 14♋ 1 | 12°21 | 14° 7 | 25°51 | 2°31 | 28°52 | 16°18 | 6°24 | 2°42 | 8°18 | 9°12 | 8°11 | 13°39 | S 15 |
| S 16 | 11 35 32 | 25°25'03 | 28°28 | 14° 3 | 15°18 | 26°33 | 2°46 | 28°49 | 16°17 | 6°25 | 2°42 | 8°17 | 9° 9 | 8°17 | 13°34 | S 16 |
| M17 | 11 39 29 | 26°25'17 | 13♌ 9 | 15°46 | 16°29 | 27°15 | 3° 0 | 28°45 | 16°15 | 6°27 | 2°42 | 8°16 | 9° 6 | 8°24 | 13°30 | M17 |
| T 18 | 11 43 25 | 27°25'29 | 27°58 | 17°30 | 17°41 | 27°56 | 3°15 | 28°42 | 16°14 | 6°29 | 2°41 | 8°14 | 9° 3 | 8°31 | 13°25 | T 18 |
| W19 | 11 47 22 | 28°25'39 | 12♍47 | 19°15 | 18°52 | 28°38 | 3°29 | 28°38 | 16°13 | 6°30 | 2°41 | 8°13 | 9° 0 | 8°37 | 13°21 | W19 |
| T 20 | 11 51 18 | 29°25'47 | 27°29 | 21° 1 | 20° 4 | 29°20 | 3°44 | 28°34 | 16°11 | 6°32 | 2°40 | 8°12 | 8°56 | 8°44 | 13°17 | T 20 |
| F 21 | 11 55 15 | 0♈25'54 | 11♎57 | 22°48 | 21°16 | 0♒ 2 | 3°59 | 28°30 | 16°10 | 6°33 | 2°40 | 8°D12 | 8°53 | 8°51 | 13°12 | F 21 |
| S 22 | 11 59 12 | 1°25'58 | 26° 5 | 24°36 | 22°27 | 0°44 | 4°13 | 28°26 | 16° 8 | 6°35 | 2°39 | 8°13 | 8°50 | 8°58 | 13° 8 | S 22 |
| S 23 | 12 3 8 | 2°26'02 | 9♏50 | 26°26 | 23°39 | 1°26 | 4°28 | 28°23 | 16° 7 | 6°36 | 2°39 | 8°13 | 8°47 | 9° 4 | 13° 4 | S 23 |
| M24 | 12 7 5 | 3°26'03 | 23°11 | 28°16 | 24°51 | 2° 8 | 4°42 | 28°19 | 16° 5 | 6°38 | 2°38 | 8°14 | 8°44 | 9°11 | 12°59 | M24 |
| T 25 | 12 11 1 | 4°26'03 | 6♐ 7 | 0♈ 8 | 26° 3 | 2°50 | 4°57 | 28°15 | 16° 3 | 6°39 | 2°37 | 8°14 | 8°40 | 9°18 | 12°55 | T 25 |
| W26 | 12 14 58 | 5°26'02 | 18°43 | 2° 0 | 27°14 | 3°32 | 5°11 | 28°10 | 16° 2 | 6°41 | 2°37 | 8°14 | 8°37 | 9°24 | 12°51 | W26 |
| T 27 | 12 18 54 | 6°25'58 | 1♑ 0 | 3°54 | 28°26 | 4°13 | 5°26 | 28° 6 | 16° 0 | 6°42 | 2°36 | 8°15 | 8°34 | 9°31 | 12°47 | T 27 |
| F 28 | 12 22 51 | 7°25'54 | 13° 5 | 5°49 | 29°38 | 4°55 | 5°40 | 28° 2 | 15°58 | 6°43 | 2°35 | 8°R15 | 8°31 | 9°38 | 12°43 | F 28 |
| S 29 | 12 26 47 | 8°25'47 | 25° 0 | 7°45 | 0♓50 | 5°38 | 5°55 | 27°58 | 15°56 | 6°45 | 2°35 | 8°D15 | 8°28 | 9°44 | 12°39 | S 29 |
| S 30 | 12 30 44 | 9°25'39 | 6♒51 | 9°42 | 2° 2 | 6°20 | 6°10 | 27°54 | 15°54 | 6°46 | 2°34 | 8°15 | 8°25 | 9°51 | 12°35 | S 30 |
| M31 | 12 34 40 | 10♈25'30 | 18♒42 | 11♈39 | 3♓14 | 7♒ 2 | 6♈24 | 27♎49 | 15♏53 | 6♒47 | 2♐33 | 8♎15 | 8♎21 | 9♒58 | 12♍31 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7s40 | 17s 9 | 5n10 | 16s 2 | 1s27 | 19s 6 | 1n27 | 22s47 | 0s27 | 1s15 | 1s 0 | 8s48 | 2n37 | 16s14 | 0n28 | 18s12 | 0n30 | 5s30 | 15n22 | 3s24 | 3s55 | 14s 4 | 0n30 | 5s56 |
| S 2 | 7 17 | 15 32 | 4 54 | 15 39 | 1 33 | 18 56 | 1 23 | 22 43 | 0 28 | 1 9 | 1 0 | 8 47 | 2 37 | 16 14 | 0 28 | 18 11 | 0 30 | 5 29 | 15 23 | 3 22 | 3 54 | 14 2 | 0 32 | 5 56 |
| M 3 | 6 54 | 13 16 | 4 26 | 15 15 | 1 38 | 18 46 | 1 19 | 22 39 | 0 29 | 1 4 | 1 0 | 8 46 | 2 37 | 16 14 | 0 28 | 18 11 | 0 30 | 5 29 | 15 23 | 3 20 | 3 53 | 14 1 | 0 34 | 5 56 |
| T 4 | 6 31 | 10 26 | 3 46 | 14 49 | 1 43 | 18 35 | 1 15 | 22 34 | 0 30 | 0 58 | 1 0 | 8 45 | 2 38 | 16 13 | 0 28 | 18 10 | 0 30 | 5 28 | 15 23 | 3 18 | 3 51 | 14 0 | 0 36 | 5 56 |
| W 5 | 6 8 | 7 10 | 2 56 | 14 23 | 1 47 | 18 23 | 1 11 | 22 29 | 0 31 | 0 52 | 1 0 | 8 44 | 2 38 | 16 13 | 0 28 | 18 10 | 0 30 | 5 28 | 15 24 | 3 17 | 3 50 | 13 59 | 0 38 | 5 55 |
| T 6 | 5 45 | 3 33 | 1 58 | 13 55 | 1 51 | 18 11 | 1 7 | 22 24 | 0 31 | 0 47 | 1 0 | 8 42 | 2 38 | 16 13 | 0 28 | 18 9 | 0 30 | 5 27 | 15 24 | 3 15 | 3 49 | 13 57 | 0 40 | 5 55 |
| F 7 | 5 21 | 0n14 | 0 53 | 13 26 | 1 55 | 17 58 | 1 3 | 22 19 | 0 32 | 0 41 | 1 0 | 8 41 | 2 38 | 16 13 | 0 28 | 18 9 | 0 30 | 5 27 | 15 25 | 3 15 | 3 48 | 13 56 | 0 42 | 5 55 |
| S 8 | 4 58 | 4 4 | 0s15 | 12 56 | 1 58 | 17 45 | 0 59 | 22 14 | 0 33 | 0 35 | 1 0 | 8 40 | 2 39 | 16 13 | 0 28 | 18 8 | 0 30 | 5 26 | 15 25 | 3 15 | 3 46 | 13 55 | 0 44 | 5 55 |
| S 9 | 4 34 | 7 46 | 1 23 | 12 25 | 2 1 | 17 32 | 0 55 | 22 8 | 0 34 | 0 30 | 1 0 | 8 39 | 2 39 | 16 12 | 0 28 | 18 8 | 0 30 | 5 26 | 15 26 | 3 15 | 3 45 | 13 54 | 0 46 | 5 54 |
| M10 | 4 11 | 11 10 | 2 28 | 11 53 | 2 4 | 17 18 | 0 51 | 22 2 | 0 35 | 0 24 | 1 0 | 8 38 | 2 39 | 16 12 | 0 28 | 18 8 | 0 30 | 5 26 | 15 26 | 3 15 | 3 44 | 13 52 | 0 48 | 5 54 |
| T 11 | 3 47 | 14 5 | 3 27 | 11 19 | 2 6 | 17 3 | 0 47 | 21 56 | 0 36 | 0 18 | 1 0 | 8 36 | 2 39 | 16 12 | 0 28 | 18 7 | 0 30 | 5 25 | 15 27 | 3 16 | 3 43 | 13 51 | 0 50 | 5 54 |
| W12 | 3 24 | 16 20 | 4 17 | 10 45 | 2 8 | 16 48 | 0 43 | 21 50 | 0 37 | 0 12 | 1 0 | 8 35 | 2 39 | 16 11 | 0 28 | 18 7 | 0 30 | 5 25 | 15 27 | 3 17 | 3 41 | 13 50 | 0 52 | 5 53 |
| T 13 | 3 0 | 17 43 | 4 53 | 10 9 | 2 9 | 16 32 | 0 40 | 21 44 | 0 38 | 0 7 | 1 0 | 8 34 | 2 40 | 16 11 | 0 28 | 18 6 | 0 30 | 5 24 | 15 28 | 3 17 | 3 40 | 13 49 | 0 54 | 5 53 |
| F 14 | 2 36 | 18 6 | 5 13 | 9 32 | 2 10 | 16 16 | 0 36 | 21 37 | 0 39 | 0 1 | 1 0 | 8 32 | 2 40 | 16 11 | 0 28 | 18 6 | 0 30 | 5 24 | 15 28 | 3 17 | 3 39 | 13 47 | 0 56 | 5 53 |
| S 15 | 2 12 | 17 21 | 5 15 | 8 55 | 2 11 | 16 0 | 0 32 | 21 31 | 0 40 | 0n 5 | 1 0 | 8 31 | 2 40 | 16 10 | 0 28 | 18 5 | 0 30 | 5 23 | 15 29 | 3 17 | 3 38 | 13 46 | 0 58 | 5 52 |
| S 16 | 1 49 | 15 30 | 4 57 | 8 16 | 2 11 | 15 43 | 0 28 | 21 24 | 0 41 | 0 10 | 1 0 | 8 30 | 2 40 | 16 10 | 0 28 | 18 5 | 0 30 | 5 23 | 15 29 | 3 16 | 3 36 | 13 45 | 1 0 | 5 52 |
| M17 | 1 25 | 12 37 | 4 20 | 7 36 | 2 11 | 15 25 | 0 24 | 21 17 | 0 42 | 0 16 | 1 0 | 8 28 | 2 40 | 16 10 | 0 28 | 18 5 | 0 30 | 5 22 | 15 29 | 3 16 | 3 35 | 13 43 | 1 2 | 5 52 |
| T 18 | 1 1 | 8 54 | 3 25 | 6 55 | 2 10 | 15 8 | 0 20 | 21 9 | 0 43 | 0 22 | 1 0 | 8 27 | 2 40 | 16 9 | 0 28 | 18 4 | 0 30 | 5 22 | 15 30 | 3 15 | 3 34 | 13 42 | 1 4 | 5 51 |
| W19 | 0 37 | 4 38 | 2 16 | 6 13 | 2 9 | 14 49 | 0 17 | 21 2 | 0 43 | 0 28 | 1 0 | 8 25 | 2 41 | 16 9 | 0 28 | 18 4 | 0 30 | 5 21 | 15 30 | 3 15 | 3 33 | 13 41 | 1 6 | 5 51 |
| T 20 | 0 14 | 0 6 | 0 59 | 5 30 | 2 8 | 14 31 | 0 13 | 20 54 | 0 44 | 0 33 | 1 0 | 8 24 | 2 41 | 16 8 | 0 28 | 18 3 | 0 30 | 5 21 | 15 31 | 3 14 | 3 32 | 13 40 | 1 8 | 5 50 |
| F 21 | 0n10 | 4s23 | 0n21 | 4 46 | 2 6 | 14 11 | 0 9 | 20 46 | 0 45 | 0 39 | 1 0 | 8 22 | 2 41 | 16 8 | 0 28 | 18 3 | 0 30 | 5 20 | 15 31 | 3 14 | 3 30 | 13 38 | 1 10 | 5 50 |
| S 22 | 0 34 | 8 30 | 1 38 | 4 1 | 2 3 | 13 52 | 0 6 | 20 38 | 0 46 | 0 45 | 1 0 | 8 21 | 2 41 | 16 7 | 0 28 | 18 3 | 0 30 | 5 20 | 15 32 | 3 14 | 3 29 | 13 37 | 1 12 | 5 49 |
| S 23 | 0 58 | 12 3 | 2 47 | 3 15 | 2 0 | 13 32 | 0 2 | 20 30 | 0 47 | 0 51 | 1 0 | 8 19 | 2 41 | 16 7 | 0 28 | 18 2 | 0 30 | 5 19 | 15 32 | 3 15 | 3 28 | 13 36 | 1 14 | 5 49 |
| M24 | 1 21 | 14 50 | 3 45 | 2 29 | 1 57 | 13 12 | 0s 2 | 20 22 | 0 48 | 0 56 | 1 0 | 8 18 | 2 41 | 16 6 | 0 28 | 18 2 | 0 30 | 5 18 | 15 32 | 3 15 | 3 27 | 13 35 | 1 16 | 5 48 |
| T 25 | 1 45 | 16 48 | 4 29 | 1 41 | 1 53 | 12 51 | 0 5 | 20 13 | 0 49 | 1 2 | 1 0 | 8 16 | 2 42 | 16 6 | 0 28 | 18 2 | 0 30 | 5 18 | 15 33 | 3 15 | 3 25 | 13 33 | 1 18 | 5 48 |
| W26 | 2 9 | 17 52 | 4 59 | 0 52 | 1 49 | 12 30 | 0 9 | 20 5 | 0 50 | 1 8 | 1 0 | 8 15 | 2 42 | 16 5 | 0 28 | 18 1 | 0 30 | 5 17 | 15 33 | 3 15 | 3 24 | 13 32 | 1 21 | 5 48 |
| T 27 | 2 32 | 18 3 | 5 15 | 0 3 | 1 44 | 12 9 | 0 12 | 19 56 | 0 51 | 1 13 | 1 0 | 8 13 | 2 42 | 16 5 | 0 28 | 18 1 | 0 30 | 5 17 | 15 34 | 3 15 | 3 23 | 13 31 | 1 23 | 5 47 |
| F 28 | 2 56 | 17 25 | 5 16 | 0n48 | 1 38 | 11 47 | 0 15 | 19 47 | 0 52 | 1 19 | 1 0 | 8 12 | 2 42 | 16 4 | 0 28 | 18 1 | 0 30 | 5 16 | 15 34 | 3 15 | 3 22 | 13 29 | 1 25 | 5 46 |
| S 29 | 3 20 | 16 2 | 5 4 | 1 39 | 1 32 | 11 25 | 0 19 | 19 37 | 0 53 | 1 25 | 1 0 | 8 10 | 2 42 | 16 4 | 0 28 | 18 0 | 0 30 | 5 16 | 15 34 | 3 15 | 3 20 | 13 28 | 1 27 | 5 46 |
| S 30 | 3 43 | 13 57 | 4 39 | 2 30 | 1 26 | 11 2 | 0 22 | 19 28 | 0 54 | 1 31 | 1 0 | 8 8 | 2 42 | 16 3 | 0 28 | 18 0 | 0 30 | 5 15 | 15 35 | 3 15 | 3 19 | 13 27 | 1 29 | 5 45 |
| M31 | 4n 6 | 11s18 | 4n 2 | 3n23 | 1s19 | 10s39 | 0s25 | 19s18 | 0s55 | 1n36 | 1s 0 | 8s 7 | 2n42 | 16s 3 | 0n28 | 18s 0 | 0n30 | 5s15 | 15n35 | 3s15 | 3s18 | 13s25 | 1n30 | 5s45 |

Julian Day Number = 2810637.5, Delta T = 53m03s
Ecliptic obliquity = 23°18'34, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°30'11, Lahiri = 37°37'11


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# ASTRODIENST EPHEMERIS for the year 2983
# geocentric

## APRIL 2983 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 38 37 | 11♈25'18 | 0♓37 | 13♈38 | 4♓27 | 7♒44 | 6♈39 | 27°R45 | 15°R51 | 6♒48 | 2°R32 | 8♎15 | 8♎18 | 10♒ 5 | 12°R27 | T 1 |
| W 2 | 12 42 34 | 12°25'05 | 12°40 | 15°37 | 5°39 | 8°26 | 6°53 | 27♎40 | 15♏49 | 6°50 | 2♐31 | 8°16 | 8°15 | 10°11 | 12♍23 | W 2 |
| T 3 | 12 46 30 | 13°24'50 | 24°53 | 17°37 | 6°51 | 9° 8 | 7° 8 | 27°36 | 15°47 | 6°51 | 2°30 | 8°16 | 8°12 | 10°18 | 12°20 | T 3 |
| F 4 | 12 50 27 | 14°24'33 | 7♈19 | 19°37 | 8° 3 | 9°50 | 7°22 | 27°31 | 15°45 | 6°52 | 2°29 | 8°R16 | 8° 9 | 10°25 | 12°16 | F 4 |
| S 5 | 12 54 23 | 15°24'14 | 19°58 | 21°37 | 9°15 | 10°32 | 7°37 | 27°27 | 15°42 | 6°53 | 2°28 | 8°16 | 8° 5 | 10°31 | 12°13 | S 5 |
| S 6 | 12 58 20 | 16°23'54 | 2♉51 | 23°37 | 10°28 | 11°14 | 7°51 | 27°22 | 15°40 | 6°54 | 2°27 | 8°15 | 8° 2 | 10°38 | 12° 9 | S 6 |
| M 7 | 13 2 16 | 17°23'31 | 15°59 | 25°38 | 11°40 | 11°56 | 8° 6 | 27°18 | 15°38 | 6°55 | 2°26 | 8°14 | 7°59 | 10°45 | 12° 6 | M 7 |
| T 8 | 13 6 13 | 18°23'06 | 29°20 | 27°37 | 12°52 | 12°38 | 8°20 | 27°13 | 15°36 | 6°56 | 2°25 | 8°13 | 7°56 | 10°51 | 12° 3 | T 8 |
| W 9 | 13 10 9 | 19°22'39 | 12♊54 | 29°36 | 14° 5 | 13°20 | 8°35 | 27° 9 | 15°34 | 6°57 | 2°24 | 8°12 | 7°53 | 10°58 | 11°59 | W 9 |
| T 10 | 13 14 6 | 20°22'10 | 26°40 | 1♉34 | 15°17 | 14° 3 | 8°49 | 27° 4 | 15°32 | 6°58 | 2°23 | 8°11 | 7°50 | 11° 5 | 11°56 | T 10 |
| F 11 | 13 18 3 | 21°21'39 | 10♋36 | 3°30 | 16°30 | 14°45 | 9° 3 | 26°59 | 15°29 | 6°59 | 2°22 | 8°10 | 7°46 | 11°12 | 11°53 | F 11 |
| S 12 | 13 21 59 | 22°21'05 | 24°42 | 5°24 | 17°42 | 15°27 | 9°18 | 26°55 | 15°27 | 7° 0 | 2°21 | 8°D10 | 7°43 | 11°18 | 11°50 | S 12 |
| S 13 | 13 25 56 | 23°20'29 | 8♌56 | 7°16 | 18°55 | 16° 9 | 9°32 | 26°50 | 15°25 | 7° 1 | 2°20 | 8°10 | 7°40 | 11°25 | 11°48 | S 13 |
| M14 | 13 29 52 | 24°19'51 | 23°15 | 9° 5 | 20° 7 | 16°51 | 9°46 | 26°45 | 15°22 | 7° 2 | 2°18 | 8°11 | 7°37 | 11°32 | 11°45 | M14 |
| T 15 | 13 33 49 | 25°19'10 | 7♍36 | 10°51 | 21°20 | 17°33 | 10° 1 | 26°41 | 15°20 | 7° 2 | 2°17 | 8°12 | 7°34 | 11°38 | 11°42 | T 15 |
| W16 | 13 37 45 | 26°18'27 | 21°56 | 12°33 | 22°32 | 18°16 | 10°15 | 26°36 | 15°18 | 7° 3 | 2°16 | 8°13 | 7°31 | 11°45 | 11°40 | W16 |
| T 17 | 13 41 42 | 27°17'42 | 6♎11 | 14°12 | 23°45 | 18°58 | 10°29 | 26°31 | 15°15 | 7° 4 | 2°15 | 8°R14 | 7°27 | 11°52 | 11°37 | T 17 |
| F 18 | 13 45 38 | 28°16'55 | 20°16 | 15°46 | 24°57 | 19°40 | 10°43 | 26°27 | 15°13 | 7° 5 | 2°13 | 8°13 | 7°24 | 11°58 | 11°35 | F 18 |
| S 19 | 13 49 35 | 29°16'06 | 4♏ 8 | 17°15 | 26°10 | 20°22 | 10°58 | 26°22 | 15°11 | 7° 5 | 2°12 | 8°12 | 7°21 | 12° 5 | 11°32 | S 19 |
| S 20 | 13 53 32 | 0♉15'15 | 17°43 | 18°40 | 27°22 | 21° 5 | 11°12 | 26°17 | 15° 8 | 7° 6 | 2°11 | 8°10 | 7°18 | 12°12 | 11°30 | S 20 |
| M21 | 13 57 28 | 1°14'22 | 0♐59 | 19°59 | 28°35 | 21°47 | 11°26 | 26°13 | 15° 6 | 7° 7 | 2° 9 | 8° 6 | 7°15 | 12°19 | 11°28 | M21 |
| T 22 | 14 1 25 | 2°13'27 | 13°55 | 21°12 | 29°48 | 22°29 | 11°40 | 26° 8 | 15° 3 | 7° 7 | 2° 8 | 8° 2 | 7°11 | 12°25 | 11°26 | T 22 |
| W23 | 14 5 21 | 3°12'30 | 26°32 | 22°20 | 1♈ 0 | 23°11 | 11°54 | 26° 3 | 15° 1 | 7° 8 | 2° 7 | 7°59 | 7° 8 | 12°32 | 11°24 | W23 |
| T 24 | 14 9 18 | 4°11'32 | 8♑52 | 23°23 | 2°13 | 23°54 | 12° 8 | 25°59 | 14°58 | 7° 8 | 2° 5 | 7°56 | 7° 5 | 12°39 | 11°22 | T 24 |
| F 25 | 14 13 14 | 5°10'32 | 20°59 | 24°19 | 3°26 | 24°36 | 12°22 | 25°54 | 14°56 | 7° 9 | 2° 4 | 7°53 | 7° 2 | 12°45 | 11°21 | F 25 |
| S 26 | 14 17 11 | 6° 9'30 | 2♒55 | 25° 8 | 4°39 | 25°18 | 12°36 | 25°49 | 14°53 | 7° 9 | 2° 2 | 7°D52 | 6°59 | 12°52 | 11°19 | S 26 |
| S 27 | 14 21 7 | 7° 8'26 | 14°47 | 25°52 | 5°51 | 26° 0 | 12°50 | 25°45 | 14°51 | 7°10 | 2° 1 | 7°53 | 6°56 | 12°59 | 11°18 | S 27 |
| M28 | 14 25 4 | 8° 7'21 | 26°39 | 26°29 | 7° 4 | 26°43 | 13° 4 | 25°40 | 14°48 | 7°10 | 1°59 | 7°54 | 6°52 | 13° 5 | 11°16 | M28 |
| T 29 | 14 29 0 | 9° 6'14 | 8♓36 | 27° 0 | 8°17 | 27°25 | 13°18 | 25°36 | 14°45 | 7°10 | 1°58 | 7°56 | 6°49 | 13°12 | 11°15 | T 29 |
| W30 | 14 32 57 | 10♉ 5'05 | 20♓42 | 27♉24 | 9♈30 | 28♒ 7 | 13♈32 | 25♎31 | 14♏43 | 7♒11 | 1♐56 | 7♎57 | 6♎46 | 13♒19 | 11♍14 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4n30 | 8s10 | 3n14 | 4n16 | 1s11 | 10s16 | 0s29 | 19s 9 | 0s56 | 1n42 | 1s 0 | 8s 5 | 2n42 | 16s 2 | 0n28 | 17s59 | 0n30 | 5s14 | 15n36 | 3s15 | 3s17 | 13s24 | 1n32 | 5s44 |
| W 2 | 4 53 | 4 39 | 2 17 | 5 9 | 1 3 | 9 53 | 0 32 | 18 59 | 0 57 | 1 48 | 1 0 | 8 3 | 2 43 | 16 2 | 0 28 | 17 59 | 0 30 | 5 14 | 15 36 | 3 16 | 3 15 | 13 23 | 1 34 | 5 44 |
| T 3 | 5 16 | 0 54 | 1 14 | 6 2 | 0 54 | 9 29 | 0 35 | 18 49 | 0 58 | 1 53 | 1 0 | 8 2 | 2 43 | 16 1 | 0 28 | 17 59 | 0 30 | 5 13 | 15 36 | 3 16 | 3 14 | 13 22 | 1 36 | 5 43 |
| F 4 | 5 39 | 2n58 | 0 5 | 6 56 | 0 45 | 9 5 | 0 38 | 18 39 | 0 59 | 1 59 | 1 1 | 8 0 | 2 43 | 16 1 | 0 28 | 17 58 | 0 30 | 5 13 | 15 37 | 3 16 | 3 13 | 13 20 | 1 38 | 5 42 |
| S 5 | 6 2 | 6 46 | 1s 4 | 7 50 | 0 35 | 8 41 | 0 41 | 18 28 | 1 0 | 2 5 | 1 1 | 7 58 | 2 43 | 16 0 | 0 28 | 17 58 | 0 30 | 5 12 | 15 37 | 3 16 | 3 12 | 13 19 | 1 40 | 5 42 |
| S 6 | 6 25 | 10 19 | 2 12 | 8 44 | 0 25 | 8 17 | 0 44 | 18 18 | 1 1 | 2 10 | 1 1 | 7 57 | 2 43 | 15 59 | 0 28 | 17 58 | 0 30 | 5 12 | 15 37 | 3 15 | 3 10 | 13 18 | 1 42 | 5 41 |
| M 7 | 6 48 | 13 26 | 3 14 | 9 38 | 0 15 | 7 52 | 0 47 | 18 7 | 1 3 | 2 16 | 1 1 | 7 55 | 2 43 | 15 59 | 0 28 | 17 58 | 0 30 | 5 11 | 15 38 | 3 15 | 3 9 | 13 16 | 1 44 | 5 41 |
| T 8 | 7 10 | 15 53 | 4 7 | 10 31 | 0 4 | 7 27 | 0 49 | 17 56 | 1 4 | 2 21 | 1 1 | 7 53 | 2 43 | 15 58 | 0 29 | 17 57 | 0 30 | 5 11 | 15 38 | 3 15 | 3 8 | 13 15 | 1 46 | 5 40 |
| W 9 | 7 33 | 17 29 | 4 46 | 11 23 | 0n 7 | 7 2 | 0 52 | 17 45 | 1 5 | 2 27 | 1 1 | 7 52 | 2 43 | 15 57 | 0 29 | 17 57 | 0 30 | 5 10 | 15 38 | 3 14 | 3 7 | 13 14 | 1 47 | 5 39 |
| T 10 | 7 55 | 18 6 | 5 10 | 12 15 | 0 19 | 6 37 | 0 55 | 17 34 | 1 6 | 2 33 | 1 1 | 7 50 | 2 43 | 15 57 | 0 29 | 17 57 | 0 30 | 5 10 | 15 39 | 3 14 | 3 5 | 13 12 | 1 49 | 5 39 |
| F 11 | 8 17 | 17 38 | 5 16 | 13 5 | 0 30 | 6 11 | 0 57 | 17 23 | 1 7 | 2 38 | 1 1 | 7 48 | 2 43 | 15 56 | 0 29 | 17 57 | 0 30 | 5 9 | 15 39 | 3 13 | 3 4 | 13 11 | 1 51 | 5 38 |
| S 12 | 8 39 | 16 5 | 5 3 | 13 55 | 0 42 | 5 45 | 1 0 | 17 12 | 1 8 | 2 44 | 1 1 | 7 47 | 2 43 | 15 55 | 0 29 | 17 56 | 0 30 | 5 9 | 15 39 | 3 13 | 3 3 | 13 10 | 1 53 | 5 37 |
| S 13 | 9 1 | 13 33 | 4 32 | 14 43 | 0 54 | 5 19 | 1 2 | 17 0 | 1 9 | 2 49 | 1 1 | 7 45 | 2 43 | 15 55 | 0 29 | 17 56 | 0 30 | 5 8 | 15 40 | 3 13 | 3 2 | 13 8 | 1 54 | 5 37 |
| M14 | 9 23 | 10 10 | 3 44 | 15 29 | 1 6 | 4 53 | 1 5 | 16 49 | 1 10 | 2 55 | 1 1 | 7 43 | 2 43 | 15 54 | 0 29 | 17 56 | 0 30 | 5 8 | 15 40 | 3 14 | 3 0 | 13 7 | 1 56 | 5 36 |
| T 15 | 9 45 | 6 10 | 2 41 | 16 13 | 1 17 | 4 27 | 1 7 | 16 37 | 1 11 | 3 0 | 1 1 | 7 42 | 2 43 | 15 53 | 0 29 | 17 56 | 0 30 | 5 7 | 15 40 | 3 14 | 2 59 | 13 6 | 1 58 | 5 35 |
| W16 | 10 6 | 1 49 | 1 29 | 16 56 | 1 29 | 4 0 | 1 9 | 16 25 | 1 12 | 3 6 | 1 1 | 7 40 | 2 43 | 15 53 | 0 29 | 17 55 | 0 30 | 5 7 | 15 41 | 3 15 | 2 58 | 13 4 | 1 59 | 5 35 |
| T 17 | 10 27 | 2s37 | 0 11 | 17 36 | 1 40 | 3 34 | 1 11 | 16 13 | 1 13 | 3 11 | 1 1 | 7 38 | 2 43 | 15 52 | 0 29 | 17 55 | 0 30 | 5 6 | 15 41 | 3 15 | 2 57 | 13 3 | 2 1 | 5 34 |
| F 18 | 10 48 | 6 52 | 1n 6 | 18 14 | 1 50 | 3 7 | 1 13 | 16 1 | 1 14 | 3 17 | 1 1 | 7 36 | 2 43 | 15 51 | 0 29 | 17 55 | 0 30 | 5 6 | 15 41 | 3 15 | 2 55 | 13 2 | 2 2 | 5 33 |
| S 19 | 11 9 | 10 40 | 2 18 | 18 49 | 2 0 | 2 40 | 1 15 | 15 49 | 1 15 | 3 22 | 1 1 | 7 35 | 2 43 | 15 51 | 0 29 | 17 55 | 0 30 | 5 5 | 15 41 | 3 14 | 2 54 | 13 0 | 2 4 | 5 32 |
| S 20 | 11 30 | 13 49 | 3 21 | 19 22 | 2 10 | 2 13 | 1 17 | 15 36 | 1 16 | 3 28 | 1 1 | 7 33 | 2 43 | 15 50 | 0 29 | 17 55 | 0 30 | 5 5 | 15 42 | 3 13 | 2 53 | 12 59 | 2 5 | 5 32 |
| M21 | 11 51 | 16 9 | 4 11 | 19 52 | 2 19 | 1 46 | 1 19 | 15 24 | 1 18 | 3 33 | 1 2 | 7 31 | 2 43 | 15 49 | 0 29 | 17 55 | 0 30 | 5 4 | 15 42 | 3 12 | 2 52 | 12 58 | 2 7 | 5 31 |
| T 22 | 12 11 | 17 36 | 4 47 | 20 20 | 2 27 | 1 19 | 1 21 | 15 11 | 1 19 | 3 39 | 1 2 | 7 30 | 2 43 | 15 49 | 0 29 | 17 54 | 0 30 | 5 4 | 15 42 | 3 10 | 2 50 | 12 56 | 2 8 | 5 30 |
| W23 | 12 31 | 18 8 | 5 8 | 20 44 | 2 34 | 0 52 | 1 23 | 14 58 | 1 20 | 3 44 | 1 2 | 7 28 | 2 43 | 15 48 | 0 29 | 17 54 | 0 30 | 5 3 | 15 42 | 3 9 | 2 49 | 12 55 | 2 10 | 5 29 |
| T 24 | 12 51 | 17 48 | 5 14 | 21 7 | 2 41 | 0 25 | 1 24 | 14 45 | 1 21 | 3 49 | 1 2 | 7 27 | 2 43 | 15 47 | 0 29 | 17 54 | 0 30 | 5 3 | 15 42 | 3 8 | 2 48 | 12 54 | 2 11 | 5 29 |
| F 25 | 13 11 | 16 39 | 5 6 | 21 26 | 2 46 | 0n 2 | 1 26 | 14 32 | 1 22 | 3 55 | 1 2 | 7 25 | 2 43 | 15 46 | 0 29 | 17 54 | 0 30 | 5 2 | 15 43 | 3 7 | 2 47 | 12 52 | 2 12 | 5 28 |
| S 26 | 13 30 | 14 47 | 4 45 | 21 42 | 2 50 | 0 30 | 1 27 | 14 19 | 1 23 | 4 0 | 1 2 | 7 23 | 2 43 | 15 46 | 0 29 | 17 54 | 0 30 | 5 2 | 15 43 | 3 6 | 2 45 | 12 51 | 2 14 | 5 27 |
| S 27 | 13 49 | 12 18 | 4 11 | 21 56 | 2 54 | 0 57 | 1 29 | 14 6 | 1 24 | 4 5 | 1 2 | 7 22 | 2 43 | 15 45 | 0 28 | 17 54 | 0 30 | 5 1 | 15 43 | 3 7 | 2 44 | 12 50 | 2 15 | 5 26 |
| M28 | 14 8 | 9 19 | 3 27 | 22 7 | 2 56 | 1 25 | 1 30 | 13 53 | 1 25 | 4 11 | 1 2 | 7 20 | 2 43 | 15 44 | 0 28 | 17 54 | 0 30 | 5 1 | 15 43 | 3 7 | 2 43 | 12 48 | 2 16 | 5 26 |
| T 29 | 14 27 | 5 55 | 2 34 | 22 15 | 2 57 | 1 52 | 1 31 | 13 40 | 1 26 | 4 16 | 1 2 | 7 19 | 2 43 | 15 43 | 0 28 | 17 54 | 0 30 | 5 1 | 15 43 | 3 8 | 2 42 | 12 47 | 2 17 | 5 25 |
| W30 | 14n46 | 2s14 | 1n33 | 22n20 | 2n56 | 2n19 | 1s33 | 13s26 | 1s28 | 4n21 | 1s 2 | 7s17 | 2n43 | 15s43 | 0n28 | 17s53 | 0n30 | 5s 0 | 15n44 | 3s 8 | 2s40 | 12s46 | 2n19 | 5s24 |

Julian Day Number = 2810668.5, Delta T = 53m04s
Ecliptic obliquity = 23°18'34, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°30'15, Lahiri = 37°37'16


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# ASTRODIENST EPHEMERIS for the year 2983
# geocentric

## MAY 2983 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 36 54 | 11♉ 3'55 | 3♈ 1 | 27♉42 | 10♈43 | 28♒49 | 13♈45 | 25°R27 | 14°R40 | 7♒11 | 1°R55 | 7°R58 | 6♎43 | 13♒25 | 11°R13 | T 1 |
| F 2 | 14 40 50 | 12° 2'42 | 15°37 | 27°54 | 11°55 | 29°32 | 13°59 | 25♎23 | 14♏38 | 7°11 | 1♐53 | 7♎58 | 6°40 | 13°32 | 11♍12 | F 2 |
| S 3 | 14 44 47 | 13° 1'28 | 28°32 | 27°R59 | 13° 8 | 0♓14 | 14°13 | 25°18 | 14°35 | 7°11 | 1°52 | 7°56 | 6°37 | 13°39 | 11°11 | S 3 |
| S 4 | 14 48 43 | 14° 0'12 | 11♉46 | 27°59 | 14°21 | 0°56 | 14°26 | 25°14 | 14°33 | 7°11 | 1°50 | 7°53 | 6°33 | 13°46 | 11°10 | S 4 |
| M 5 | 14 52 40 | 14°58'55 | 25°18 | 27°52 | 15°34 | 1°38 | 14°40 | 25°10 | 14°30 | 7°12 | 1°48 | 7°48 | 6°30 | 13°52 | 11°10 | M 5 |
| T 6 | 14 56 36 | 15°57'35 | 9♊ 7 | 27°40 | 16°47 | 2°21 | 14°53 | 25° 5 | 14°27 | 7°12 | 1°47 | 7°42 | 6°27 | 13°59 | 11° 9 | T 6 |
| W 7 | 15 0 33 | 16°56'13 | 23° 8 | 27°23 | 18° 0 | 3° 3 | 15° 7 | 25° 1 | 14°25 | 7°12 | 1°45 | 7°36 | 6°24 | 14° 6 | 11° 9 | W 7 |
| T 8 | 15 4 29 | 17°54'50 | 7♋17 | 27° 0 | 19°13 | 3°45 | 15°20 | 24°57 | 14°22 | 7°12 | 1°44 | 7°30 | 6°21 | 14°12 | 11° 8 | T 8 |
| F 9 | 15 8 26 | 18°53'24 | 21°30 | 26°34 | 20°25 | 4°27 | 15°33 | 24°53 | 14°20 | 7°R12 | 1°42 | 7°26 | 6°17 | 14°19 | 11° 8 | F 9 |
| S 10 | 15 12 23 | 19°51'56 | 5♌44 | 26° 3 | 21°38 | 5°10 | 15°47 | 24°49 | 14°17 | 7°12 | 1°40 | 7°23 | 6°14 | 14°26 | 11°D 8 | S 10 |
| S 11 | 15 16 19 | 20°50'26 | 19°56 | 25°30 | 22°51 | 5°52 | 16° 0 | 24°45 | 14°15 | 7°12 | 1°39 | 7°D22 | 6°11 | 14°32 | 11° 8 | S 11 |
| M12 | 15 20 16 | 21°48'53 | 4♍ 4 | 24°54 | 24° 4 | 6°34 | 16°13 | 24°41 | 14°12 | 7°12 | 1°37 | 7°23 | 6° 8 | 14°39 | 11° 8 | M12 |
| T 13 | 15 24 12 | 22°47'19 | 18° 6 | 24°16 | 25°17 | 7°16 | 16°26 | 24°37 | 14°10 | 7°12 | 1°35 | 7°24 | 6° 5 | 14°46 | 11° 9 | T 13 |
| W14 | 15 28 9 | 23°45'42 | 2♎ 2 | 23°37 | 26°30 | 7°58 | 16°39 | 24°33 | 14° 7 | 7°11 | 1°34 | 7°R25 | 6° 2 | 14°52 | 11° 9 | W14 |
| T 15 | 15 32 5 | 24°44'04 | 15°50 | 22°57 | 27°43 | 8°40 | 16°52 | 24°30 | 14° 5 | 7°11 | 1°32 | 7°25 | 5°58 | 14°59 | 11° 9 | T 15 |
| F 16 | 15 36 2 | 25°42'23 | 29°28 | 22°18 | 28°56 | 9°22 | 17° 5 | 24°26 | 14° 2 | 7°11 | 1°30 | 7°23 | 5°55 | 15° 6 | 11°10 | F 16 |
| S 17 | 15 39 58 | 26°40'41 | 12♏56 | 21°40 | 0♉ 9 | 10° 5 | 17°18 | 24°22 | 14° 0 | 7°11 | 1°29 | 7°18 | 5°52 | 15°13 | 11°11 | S 17 |
| S 18 | 15 43 55 | 27°38'56 | 26°12 | 21° 3 | 1°22 | 10°47 | 17°31 | 24°19 | 13°57 | 7°11 | 1°27 | 7°12 | 5°49 | 15°19 | 11°11 | S 18 |
| M19 | 15 47 52 | 28°37'10 | 9♐13 | 20°28 | 2°35 | 11°29 | 17°44 | 24°15 | 13°55 | 7°10 | 1°25 | 7° 3 | 5°46 | 15°26 | 11°12 | M19 |
| T 20 | 15 51 48 | 29°35'23 | 21°59 | 19°57 | 3°48 | 12°11 | 17°56 | 24°12 | 13°52 | 7°10 | 1°24 | 6°54 | 5°43 | 15°33 | 11°13 | T 20 |
| W21 | 15 55 45 | 0♊33'34 | 4♑31 | 19°29 | 5° 1 | 12°53 | 18° 9 | 24° 9 | 13°50 | 7°10 | 1°22 | 6°45 | 5°39 | 15°39 | 11°15 | W21 |
| T 22 | 15 59 41 | 1°31'43 | 16°48 | 19° 4 | 6°14 | 13°35 | 18°21 | 24° 5 | 13°47 | 7° 9 | 1°20 | 6°36 | 5°36 | 15°46 | 11°16 | T 22 |
| F 23 | 16 3 38 | 2°29'51 | 28°53 | 18°43 | 7°27 | 14°17 | 18°34 | 24° 2 | 13°45 | 7° 9 | 1°19 | 6°29 | 5°33 | 15°53 | 11°17 | F 23 |
| S 24 | 16 7 34 | 3°27'57 | 10♒49 | 18°26 | 8°40 | 14°59 | 18°46 | 23°59 | 13°42 | 7° 8 | 1°17 | 6°24 | 5°30 | 15°59 | 11°19 | S 24 |
| S 25 | 16 11 31 | 4°26'02 | 22°40 | 18°14 | 9°53 | 15°41 | 18°58 | 23°56 | 13°40 | 7° 8 | 1°15 | 6°21 | 5°27 | 16° 6 | 11°20 | S 25 |
| M26 | 16 15 27 | 5°24'06 | 4♓31 | 18° 7 | 11° 6 | 16°23 | 19°11 | 23°53 | 13°38 | 7° 7 | 1°14 | 6°D21 | 5°23 | 16°13 | 11°22 | M26 |
| T 27 | 16 19 24 | 6°22'08 | 16°27 | 18°D 4 | 12°19 | 17° 5 | 19°23 | 23°50 | 13°35 | 7° 7 | 1°12 | 6°21 | 5°20 | 16°19 | 11°24 | T 27 |
| W28 | 16 23 21 | 7°20'09 | 28°33 | 18° 6 | 13°32 | 17°47 | 19°35 | 23°48 | 13°33 | 7° 6 | 1°10 | 6°22 | 5°17 | 16°26 | 11°26 | W28 |
| T 29 | 16 27 17 | 8°18'09 | 10♈55 | 18°12 | 14°45 | 18°28 | 19°47 | 23°45 | 13°31 | 7° 5 | 1° 9 | 6°R22 | 5°14 | 16°33 | 11°28 | T 29 |
| F 30 | 16 31 14 | 9°16'07 | 23°36 | 18°23 | 15°58 | 19°10 | 19°59 | 23°42 | 13°29 | 7° 5 | 1° 7 | 6°20 | 5°11 | 16°40 | 11°30 | F 30 |
| S 31 | 16 35 10 | 10♊14'04 | 6♉40 | 18♉38 | 17♉11 | 19♓52 | 20♈10 | 23♎40 | 13♏26 | 7♒ 4 | 1♐ 5 | 6♎17 | 5♎ 8 | 16♒46 | 11♍32 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15n 4 | 1n36 | 0n27 | 22n22 | 2n55 | 2n47 | 1s34 | 13s12 | 1s29 | 4n26 | 1s 2 | 7s15 | 2n43 | 15s42 | 0n28 | 17s53 | 0n30 | 5s 0 | 15n44 | 3s 9 | 2s39 | 12s44 | 2n20 | 5s23 |
| F 2 | 15 22 | 5 28 | 0s42 | 22 22 | 2 51 | 3 14 | 1 35 | 12 59 | 1 30 | 4 32 | 1 2 | 7 14 | 2 43 | 15 41 | 0 28 | 17 53 | 0 30 | 4 59 | 15 44 | 3 9 | 2 38 | 12 43 | 2 21 | 5 23 |
| S 3 | 15 40 | 9 11 | 1 50 | 22 19 | 2 47 | 3 41 | 1 36 | 12 45 | 1 31 | 4 37 | 1 3 | 7 12 | 2 43 | 15 40 | 0 28 | 17 53 | 0 30 | 4 59 | 15 44 | 3 8 | 2 37 | 12 42 | 2 22 | 5 22 |
| S 4 | 15 57 | 12 31 | 2 54 | 22 13 | 2 41 | 4 9 | 1 37 | 12 31 | 1 32 | 4 42 | 1 3 | 7 11 | 2 43 | 15 40 | 0 28 | 17 53 | 0 30 | 4 58 | 15 44 | 3 7 | 2 35 | 12 40 | 2 23 | 5 21 |
| M 5 | 16 15 | 15 16 | 3 49 | 22 5 | 2 34 | 4 36 | 1 37 | 12 17 | 1 33 | 4 47 | 1 3 | 7 10 | 2 43 | 15 39 | 0 28 | 17 53 | 0 30 | 4 58 | 15 44 | 3 5 | 2 34 | 12 39 | 2 24 | 5 20 |
| T 6 | 16 32 | 17 12 | 4 32 | 21 53 | 2 25 | 5 3 | 1 38 | 12 3 | 1 34 | 4 52 | 1 3 | 7 8 | 2 42 | 15 38 | 0 28 | 17 53 | 0 30 | 4 58 | 15 44 | 3 2 | 2 33 | 12 38 | 2 25 | 5 19 |
| W 7 | 16 48 | 18 8 | 5 0 | 21 40 | 2 15 | 5 30 | 1 39 | 11 49 | 1 36 | 4 57 | 1 3 | 7 7 | 2 42 | 15 37 | 0 28 | 17 53 | 0 30 | 4 57 | 15 44 | 3 0 | 2 32 | 12 36 | 2 26 | 5 19 |
| T 8 | 17 5 | 17 57 | 5 10 | 21 24 | 2 4 | 5 57 | 1 39 | 11 35 | 1 37 | 5 2 | 1 3 | 7 5 | 2 42 | 15 37 | 0 28 | 17 53 | 0 30 | 4 57 | 15 45 | 2 58 | 2 30 | 12 35 | 2 26 | 5 18 |
| F 9 | 17 21 | 16 39 | 5 1 | 21 5 | 1 52 | 6 24 | 1 40 | 11 21 | 1 38 | 5 7 | 1 3 | 7 4 | 2 42 | 15 36 | 0 28 | 17 53 | 0 30 | 4 56 | 15 45 | 2 56 | 2 29 | 12 33 | 2 27 | 5 17 |
| S 10 | 17 37 | 14 19 | 4 33 | 20 45 | 1 38 | 6 50 | 1 40 | 11 6 | 1 39 | 5 12 | 1 3 | 7 3 | 2 42 | 15 35 | 0 28 | 17 53 | 0 30 | 4 56 | 15 45 | 2 55 | 2 28 | 12 32 | 2 28 | 5 16 |
| S 11 | 17 52 | 11 8 | 3 49 | 20 23 | 1 23 | 7 17 | 1 40 | 10 52 | 1 40 | 5 17 | 1 3 | 7 1 | 2 42 | 15 34 | 0 28 | 17 53 | 0 30 | 4 56 | 15 45 | 2 55 | 2 27 | 12 31 | 2 29 | 5 15 |
| M12 | 18 7 | 7 19 | 2 51 | 19 59 | 1 8 | 7 44 | 1 41 | 10 38 | 1 41 | 5 22 | 1 4 | 7 0 | 2 42 | 15 34 | 0 28 | 17 53 | 0 30 | 4 55 | 15 45 | 2 55 | 2 25 | 12 29 | 2 29 | 5 15 |
| T 13 | 18 22 | 3 6 | 1 43 | 19 34 | 0 52 | 8 10 | 1 41 | 10 23 | 1 43 | 5 27 | 1 4 | 6 59 | 2 42 | 15 33 | 0 28 | 17 53 | 0 30 | 4 55 | 15 45 | 2 55 | 2 24 | 12 28 | 2 30 | 5 14 |
| W14 | 18 37 | 1s15 | 0 29 | 19 8 | 0 35 | 8 36 | 1 41 | 10 8 | 1 44 | 5 32 | 1 4 | 6 57 | 2 42 | 15 32 | 0 28 | 17 53 | 0 30 | 4 55 | 15 45 | 2 56 | 2 23 | 12 27 | 2 31 | 5 13 |
| T 15 | 18 51 | 5 30 | 0n45 | 18 42 | 0 18 | 9 2 | 1 41 | 9 54 | 1 45 | 5 37 | 1 4 | 6 56 | 2 41 | 15 32 | 0 28 | 17 53 | 0 30 | 4 54 | 15 45 | 2 56 | 2 22 | 12 25 | 2 31 | 5 12 |
| F 16 | 19 5 | 9 25 | 1 56 | 18 15 | 0 0 | 9 28 | 1 41 | 9 39 | 1 46 | 5 41 | 1 4 | 6 55 | 2 41 | 15 31 | 0 28 | 17 53 | 0 30 | 4 54 | 15 45 | 2 55 | 2 20 | 12 24 | 2 32 | 5 11 |
| S 17 | 19 18 | 12 47 | 2 59 | 17 48 | 0s17 | 9 53 | 1 41 | 9 24 | 1 47 | 5 46 | 1 4 | 6 54 | 2 41 | 15 30 | 0 28 | 17 53 | 0 30 | 4 54 | 15 45 | 2 53 | 2 19 | 12 22 | 2 32 | 5 11 |
| S 18 | 19 32 | 15 26 | 3 52 | 17 22 | 0 35 | 10 19 | 1 40 | 9 9 | 1 48 | 5 51 | 1 4 | 6 53 | 2 41 | 15 29 | 0 28 | 17 53 | 0 30 | 4 53 | 15 45 | 2 50 | 2 18 | 12 21 | 2 33 | 5 10 |
| M19 | 19 45 | 17 15 | 4 31 | 16 56 | 0 52 | 10 44 | 1 40 | 8 55 | 1 50 | 5 56 | 1 4 | 6 52 | 2 41 | 15 29 | 0 28 | 17 53 | 0 30 | 4 53 | 15 45 | 2 47 | 2 17 | 12 20 | 2 33 | 5 9 |
| T 20 | 19 57 | 18 9 | 4 56 | 16 32 | 1 8 | 11 9 | 1 40 | 8 40 | 1 51 | 6 0 | 1 5 | 6 50 | 2 41 | 15 28 | 0 28 | 17 54 | 0 30 | 4 53 | 15 45 | 2 44 | 2 15 | 12 18 | 2 34 | 5 8 |
| W21 | 20 9 | 18 9 | 5 6 | 16 9 | 1 25 | 11 33 | 1 39 | 8 25 | 1 52 | 6 5 | 1 5 | 6 49 | 2 40 | 15 27 | 0 28 | 17 54 | 0 30 | 4 53 | 15 45 | 2 40 | 2 14 | 12 17 | 2 34 | 5 7 |
| T 22 | 20 21 | 17 17 | 5 1 | 15 47 | 1 40 | 11 58 | 1 39 | 8 10 | 1 53 | 6 9 | 1 5 | 6 48 | 2 40 | 15 27 | 0 28 | 17 54 | 0 30 | 4 52 | 15 45 | 2 36 | 2 13 | 12 16 | 2 34 | 5 7 |
| F 23 | 20 33 | 15 39 | 4 43 | 15 28 | 1 55 | 12 22 | 1 38 | 7 55 | 1 54 | 6 14 | 1 5 | 6 47 | 2 40 | 15 26 | 0 28 | 17 54 | 0 30 | 4 52 | 15 45 | 2 34 | 2 12 | 12 14 | 2 34 | 5 6 |
| S 24 | 20 44 | 13 22 | 4 13 | 15 10 | 2 8 | 12 46 | 1 38 | 7 40 | 1 55 | 6 19 | 1 5 | 6 46 | 2 40 | 15 25 | 0 28 | 17 54 | 0 30 | 4 52 | 15 45 | 2 32 | 2 10 | 12 13 | 2 35 | 5 5 |
| S 25 | 20 55 | 10 32 | 3 32 | 14 54 | 2 21 | 13 10 | 1 37 | 7 24 | 1 57 | 6 23 | 1 5 | 6 46 | 2 40 | 15 24 | 0 28 | 17 54 | 0 30 | 4 52 | 15 45 | 2 31 | 2 9 | 12 11 | 2 35 | 5 4 |
| M26 | 21 5 | 7 17 | 2 42 | 14 41 | 2 33 | 13 33 | 1 36 | 7 9 | 1 58 | 6 28 | 1 5 | 6 45 | 2 40 | 15 24 | 0 28 | 17 54 | 0 30 | 4 51 | 15 45 | 2 30 | 2 8 | 12 10 | 2 35 | 5 3 |
| T 27 | 21 15 | 3 43 | 1 45 | 14 29 | 2 44 | 13 56 | 1 35 | 6 54 | 1 59 | 6 32 | 1 6 | 6 44 | 2 39 | 15 23 | 0 28 | 17 54 | 0 30 | 4 51 | 15 44 | 2 30 | 2 7 | 12 9 | 2 35 | 5 3 |
| W28 | 21 25 | 0n 4 | 0 42 | 14 20 | 2 54 | 14 19 | 1 35 | 6 39 | 2 0 | 6 36 | 1 6 | 6 43 | 2 39 | 15 22 | 0 28 | 17 54 | 0 30 | 4 51 | 15 44 | 2 31 | 2 5 | 12 7 | 2 35 | 5 2 |
| T 29 | 21 34 | 3 55 | 0s24 | 14 13 | 3 3 | 14 41 | 1 34 | 6 24 | 2 1 | 6 41 | 1 6 | 6 42 | 2 39 | 15 22 | 0 28 | 17 55 | 0 30 | 4 51 | 15 44 | 2 31 | 2 4 | 12 6 | 2 35 | 5 1 |
| F 30 | 21 43 | 7 42 | 1 31 | 14 9 | 3 11 | 15 3 | 1 33 | 6 8 | 2 2 | 6 45 | 1 6 | 6 41 | 2 39 | 15 21 | 0 28 | 17 55 | 0 30 | 4 51 | 15 44 | 2 30 | 2 3 | 12 4 | 2 35 | 5 0 |
| S 31 | 21n52 | 11n14 | 2s34 | 14n 6 | 3s18 | 15n25 | 1s31 | 5s53 | 2s 4 | 6n49 | 1s 6 | 6s41 | 2n39 | 15s21 | 0n28 | 17s55 | 0n30 | 4s50 | 15n44 | 2s29 | 2s 2 | 12s 3 | 2n35 | 4s59 |

Julian Day Number = 2810698.5, Delta T = 53m04s
Ecliptic obliquity = 23°18'34, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°30'19, Lahiri = 37°37'20


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# ASTRODIENST EPHEMERIS for the year 2983
# geocentric

## JUNE 2983 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 39 7 | 11♊12'00 | 20♉ 9 | 18♉58 | 18♉24 | 20♓34 | 20♈22 | 23°R37 | 13°R24 | 7°R 3 | 1°R 4 | 6°R11 | 5♎ 4 | 16♒53 | 11♍34 | S 1 |
| M 2 | 16 43 3 | 12° 9'55 | 4♊ 1 | 19°23 | 19°37 | 21°15 | 20°34 | 23♎35 | 13♏22 | 7♒ 3 | 1♐ 2 | 6♎ 2 | 5° 1 | 17° 0 | 11°37 | M 2 |
| T 3 | 16 47 0 | 13° 7'48 | 18°14 | 19°51 | 20°50 | 21°57 | 20°45 | 23°33 | 13°20 | 7° 2 | 1° 0 | 5°52 | 4°58 | 17° 6 | 11°39 | T 3 |
| W 4 | 16 50 56 | 14° 5'40 | 2♋42 | 20°24 | 22° 3 | 22°39 | 20°57 | 23°31 | 13°18 | 7° 1 | 0°59 | 5°42 | 4°55 | 17°13 | 11°42 | W 4 |
| T 5 | 16 54 53 | 15° 3'30 | 17°18 | 21° 0 | 23°16 | 23°20 | 21° 8 | 23°29 | 13°16 | 7° 0 | 0°57 | 5°32 | 4°52 | 17°20 | 11°45 | T 5 |
| F 6 | 16 58 50 | 16° 1'19 | 1♌56 | 21°41 | 24°29 | 24° 2 | 21°19 | 23°27 | 13°14 | 6°59 | 0°55 | 5°24 | 4°48 | 17°26 | 11°47 | F 6 |
| S 7 | 17 2 46 | 16°59'06 | 16°28 | 22°25 | 25°42 | 24°43 | 21°31 | 23°25 | 13°12 | 6°59 | 0°54 | 5°19 | 4°45 | 17°33 | 11°50 | S 7 |
| S 8 | 17 6 43 | 17°56'52 | 0♍49 | 23°13 | 26°55 | 25°25 | 21°42 | 23°23 | 13°10 | 6°58 | 0°52 | 5°16 | 4°42 | 17°40 | 11°53 | S 8 |
| M 9 | 17 10 39 | 18°54'36 | 14°59 | 24° 4 | 28° 8 | 26° 6 | 21°53 | 23°21 | 13° 8 | 6°57 | 0°51 | 5°D15 | 4°39 | 17°46 | 11°56 | M 9 |
| T 10 | 17 14 36 | 19°52'18 | 28°54 | 24°59 | 29°22 | 26°47 | 22° 3 | 23°20 | 13° 6 | 6°56 | 0°49 | 5°R15 | 4°36 | 17°53 | 12° 0 | T 10 |
| W11 | 17 18 32 | 20°49'59 | 12♎35 | 25°57 | 0♊35 | 27°29 | 22°14 | 23°18 | 13° 4 | 6°55 | 0°47 | 5°15 | 4°33 | 18° 0 | 12° 3 | W11 |
| T 12 | 17 22 29 | 21°47'38 | 26° 4 | 26°58 | 1°48 | 28°10 | 22°25 | 23°17 | 13° 2 | 6°54 | 0°46 | 5°13 | 4°29 | 18° 6 | 12° 7 | T 12 |
| F 13 | 17 26 25 | 22°45'16 | 9♏21 | 28° 3 | 3° 1 | 28°51 | 22°35 | 23°16 | 13° 0 | 6°53 | 0°44 | 5°10 | 4°26 | 18°13 | 12°10 | F 13 |
| S 14 | 17 30 22 | 23°42'52 | 22°26 | 29°10 | 4°14 | 29°32 | 22°46 | 23°15 | 12°59 | 6°52 | 0°43 | 5° 3 | 4°23 | 18°20 | 12°14 | S 14 |
| S 15 | 17 34 19 | 24°40'28 | 5♐20 | 0♊21 | 5°27 | 0♈13 | 22°56 | 23°13 | 12°57 | 6°51 | 0°41 | 4°54 | 4°20 | 18°27 | 12°17 | S 15 |
| M16 | 17 38 15 | 25°38'02 | 18° 3 | 1°34 | 6°40 | 0°54 | 23° 6 | 23°12 | 12°55 | 6°50 | 0°40 | 4°42 | 4°17 | 18°33 | 12°21 | M16 |
| T 17 | 17 42 12 | 26°35'35 | 0♑34 | 2°51 | 7°53 | 1°35 | 23°16 | 23°12 | 12°54 | 6°49 | 0°38 | 4°29 | 4°14 | 18°40 | 12°25 | T 17 |
| W18 | 17 46 8 | 27°33'07 | 12°55 | 4°10 | 9° 7 | 2°16 | 23°26 | 23°11 | 12°52 | 6°47 | 0°37 | 4°16 | 4°10 | 18°47 | 12°29 | W18 |
| T 19 | 17 50 5 | 28°30'38 | 25° 4 | 5°32 | 10°20 | 2°57 | 23°36 | 23°10 | 12°51 | 6°46 | 0°36 | 4° 4 | 4° 7 | 18°53 | 12°33 | T 19 |
| F 20 | 17 54 1 | 29°28'08 | 7♒ 4 | 6°57 | 11°33 | 3°37 | 23°46 | 23°10 | 12°49 | 6°45 | 0°34 | 3°53 | 4° 4 | 19° 0 | 12°37 | F 20 |
| S 21 | 17 57 58 | 0♋25'37 | 18°57 | 8°24 | 12°46 | 4°18 | 23°56 | 23° 9 | 12°48 | 6°44 | 0°33 | 3°46 | 4° 1 | 19° 7 | 12°42 | S 21 |
| S 22 | 18 1 55 | 1°23'06 | 0♓47 | 9°54 | 13°59 | 4°59 | 24° 5 | 23° 9 | 12°46 | 6°43 | 0°31 | 3°40 | 3°58 | 19°13 | 12°46 | S 22 |
| M23 | 18 5 51 | 2°20'33 | 12°36 | 11°27 | 15°12 | 5°39 | 24°15 | 23° 8 | 12°45 | 6°41 | 0°30 | 3°38 | 3°54 | 19°20 | 12°51 | M23 |
| T 24 | 18 9 48 | 3°18'00 | 24°31 | 13° 3 | 16°26 | 6°20 | 24°24 | 23° 8 | 12°43 | 6°40 | 0°29 | 3°37 | 3°51 | 19°27 | 12°55 | T 24 |
| W25 | 18 13 44 | 4°15'27 | 6♈36 | 14°41 | 17°39 | 7° 0 | 24°33 | 23°D 8 | 12°42 | 6°39 | 0°27 | 3°37 | 3°48 | 19°33 | 13° 0 | W25 |
| T 26 | 18 17 41 | 5°12'53 | 18°56 | 16°22 | 18°52 | 7°40 | 24°42 | 23° 8 | 12°41 | 6°37 | 0°26 | 3°36 | 3°45 | 19°40 | 13° 4 | T 26 |
| F 27 | 18 21 37 | 6°10'18 | 1♉37 | 18° 6 | 20° 5 | 8°20 | 24°51 | 23° 8 | 12°40 | 6°36 | 0°25 | 3°35 | 3°42 | 19°47 | 13° 9 | F 27 |
| S 28 | 18 25 34 | 7° 7'43 | 14°43 | 19°52 | 21°19 | 9° 0 | 25° 0 | 23° 8 | 12°39 | 6°35 | 0°23 | 3°31 | 3°39 | 19°53 | 13°14 | S 28 |
| S 29 | 18 29 30 | 8° 5'08 | 28°17 | 21°41 | 22°32 | 9°40 | 25° 9 | 23° 9 | 12°37 | 6°33 | 0°22 | 3°24 | 3°35 | 20° 0 | 13°19 | S 29 |
| M30 | 18 33 27 | 9♋ 2'32 | 12♊19 | 23♊33 | 23♊45 | 10♈20 | 25♈17 | 23♎ 9 | 12♏36 | 6♒32 | 0♐21 | 3♎16 | 3♎32 | 20♒ 7 | 13♍24 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n 0 | 14n17 | 3s31 | 14n 6 | 3s24 | 15n46 | 1s30 | 5s38 | 2s 5 | 6n54 | 1s 6 | 6s40 | 2n38 | 15s20 | 0n28 | 17s55 | 0n30 | 4s50 | 15n44 | 2s26 | 2s 0 | 12s 2 | 2n35 | 4s59 |
| M 2 | 22 8 | 16 37 | 4 17 | 14 8 | 3 29 | 16 7 | 1 29 | 5 23 | 2 6 | 6 58 | 1 6 | 6 39 | 2 38 | 15 19 | 0 28 | 17 55 | 0 30 | 4 50 | 15 44 | 2 23 | 1 59 | 12 0 | 2 34 | 4 58 |
| T 3 | 22 15 | 18 0 | 4 49 | 14 11 | 3 33 | 16 27 | 1 28 | 5 7 | 2 7 | 7 2 | 1 7 | 6 39 | 2 38 | 15 19 | 0 28 | 17 55 | 0 30 | 4 50 | 15 44 | 2 19 | 1 58 | 11 59 | 2 34 | 4 57 |
| W 4 | 22 22 | 18 15 | 5 2 | 14 17 | 3 36 | 16 47 | 1 26 | 4 52 | 2 8 | 7 6 | 1 7 | 6 38 | 2 38 | 15 18 | 0 28 | 17 56 | 0 30 | 4 50 | 15 43 | 2 15 | 1 57 | 11 57 | 2 34 | 4 56 |
| T 5 | 22 29 | 17 18 | 4 56 | 14 24 | 3 38 | 17 7 | 1 25 | 4 37 | 2 9 | 7 10 | 1 7 | 6 38 | 2 38 | 15 17 | 0 28 | 17 56 | 0 30 | 4 50 | 15 43 | 2 11 | 1 55 | 11 56 | 2 34 | 4 55 |
| F 6 | 22 35 | 15 13 | 4 31 | 14 33 | 3 39 | 17 26 | 1 24 | 4 21 | 2 10 | 7 14 | 1 7 | 6 37 | 2 37 | 15 17 | 0 28 | 17 56 | 0 30 | 4 50 | 15 43 | 2 8 | 1 54 | 11 54 | 2 33 | 4 55 |
| S 7 | 22 41 | 12 11 | 3 49 | 14 44 | 3 40 | 17 45 | 1 22 | 4 6 | 2 12 | 7 18 | 1 7 | 6 37 | 2 37 | 15 16 | 0 28 | 17 56 | 0 30 | 4 49 | 15 43 | 2 6 | 1 53 | 11 53 | 2 33 | 4 54 |
| S 8 | 22 46 | 8 26 | 2 52 | 14 56 | 3 39 | 18 3 | 1 21 | 3 51 | 2 13 | 7 22 | 1 7 | 6 36 | 2 37 | 15 16 | 0 28 | 17 56 | 0 30 | 4 49 | 15 43 | 2 5 | 1 52 | 11 52 | 2 32 | 4 53 |
| M 9 | 22 51 | 4 16 | 1 45 | 15 10 | 3 38 | 18 21 | 1 19 | 3 36 | 2 14 | 7 26 | 1 8 | 6 36 | 2 37 | 15 15 | 0 28 | 17 57 | 0 30 | 4 49 | 15 42 | 2 4 | 1 50 | 11 50 | 2 32 | 4 52 |
| T 10 | 22 55 | 0s 5 | 0 34 | 15 25 | 3 36 | 18 39 | 1 17 | 3 20 | 2 15 | 7 30 | 1 8 | 6 35 | 2 36 | 15 15 | 0 28 | 17 57 | 0 30 | 4 49 | 15 42 | 2 4 | 1 49 | 11 49 | 2 32 | 4 52 |
| W11 | 23 0 | 4 21 | 0n39 | 15 41 | 3 34 | 18 56 | 1 16 | 3 5 | 2 16 | 7 34 | 1 8 | 6 35 | 2 36 | 15 14 | 0 28 | 17 57 | 0 30 | 4 49 | 15 42 | 2 4 | 1 48 | 11 47 | 2 31 | 4 51 |
| T 12 | 23 3 | 8 20 | 1 48 | 15 58 | 3 30 | 19 12 | 1 14 | 2 50 | 2 17 | 7 37 | 1 8 | 6 35 | 2 36 | 15 14 | 0 28 | 17 57 | 0 30 | 4 49 | 15 42 | 2 4 | 1 47 | 11 46 | 2 30 | 4 50 |
| F 13 | 23 7 | 11 50 | 2 50 | 16 16 | 3 26 | 19 28 | 1 12 | 2 34 | 2 18 | 7 41 | 1 8 | 6 35 | 2 36 | 15 13 | 0 28 | 17 58 | 0 30 | 4 49 | 15 41 | 2 2 | 1 45 | 11 45 | 2 30 | 4 49 |
| S 14 | 23 10 | 14 42 | 3 42 | 16 35 | 3 22 | 19 44 | 1 10 | 2 19 | 2 20 | 7 45 | 1 9 | 6 34 | 2 35 | 15 13 | 0 28 | 17 58 | 0 30 | 4 49 | 15 41 | 2 0 | 1 44 | 11 43 | 2 29 | 4 49 |
| S 15 | 23 12 | 16 47 | 4 22 | 16 55 | 3 16 | 19 59 | 1 8 | 2 4 | 2 21 | 7 48 | 1 9 | 6 34 | 2 35 | 15 12 | 0 28 | 17 58 | 0 30 | 4 49 | 15 41 | 1 56 | 1 43 | 11 42 | 2 28 | 4 48 |
| M16 | 23 14 | 18 0 | 4 48 | 17 15 | 3 10 | 20 13 | 1 6 | 1 49 | 2 22 | 7 52 | 1 9 | 6 34 | 2 35 | 15 12 | 0 28 | 17 58 | 0 30 | 4 49 | 15 41 | 1 52 | 1 42 | 11 40 | 2 28 | 4 47 |
| T 17 | 23 16 | 18 19 | 5 0 | 17 36 | 3 4 | 20 27 | 1 4 | 1 34 | 2 23 | 7 55 | 1 9 | 6 34 | 2 35 | 15 11 | 0 28 | 17 59 | 0 30 | 4 49 | 15 40 | 1 46 | 1 40 | 11 39 | 2 27 | 4 46 |
| W18 | 23 17 | 17 46 | 4 57 | 17 58 | 2 57 | 20 40 | 1 2 | 1 19 | 2 24 | 7 59 | 1 9 | 6 34 | 2 35 | 15 11 | 0 28 | 17 59 | 0 30 | 4 49 | 15 40 | 1 41 | 1 39 | 11 37 | 2 26 | 4 46 |
| T 19 | 23 18 | 16 24 | 4 41 | 18 20 | 2 49 | 20 53 | 1 0 | 1 3 | 2 25 | 8 2 | 1 9 | 6 34 | 2 34 | 15 10 | 0 28 | 17 59 | 0 30 | 4 49 | 15 40 | 1 36 | 1 38 | 11 36 | 2 25 | 4 45 |
| F 20 | 23 18 | 14 20 | 4 12 | 18 42 | 2 41 | 21 5 | 0 58 | 0 48 | 2 26 | 8 6 | 1 10 | 6 34 | 2 34 | 15 10 | 0 28 | 18 0 | 0 30 | 4 49 | 15 39 | 1 32 | 1 36 | 11 34 | 2 24 | 4 44 |
| S 21 | 23 19 | 11 41 | 3 33 | 19 4 | 2 33 | 21 17 | 0 56 | 0 33 | 2 27 | 8 9 | 1 10 | 6 34 | 2 34 | 15 9 | 0 28 | 18 0 | 0 30 | 4 49 | 15 39 | 1 29 | 1 35 | 11 33 | 2 23 | 4 43 |
| S 22 | 23 18 | 8 34 | 2 44 | 19 27 | 2 24 | 21 28 | 0 54 | 0 18 | 2 29 | 8 12 | 1 10 | 6 34 | 2 34 | 15 9 | 0 28 | 18 0 | 0 30 | 4 49 | 15 39 | 1 27 | 1 34 | 11 32 | 2 22 | 4 43 |
| M23 | 23 17 | 5 7 | 1 49 | 19 49 | 2 15 | 21 38 | 0 52 | 0 4 | 2 30 | 8 16 | 1 10 | 6 34 | 2 33 | 15 9 | 0 27 | 18 1 | 0 30 | 4 49 | 15 38 | 1 26 | 1 33 | 11 30 | 2 21 | 4 42 |
| T 24 | 23 16 | 1 26 | 0 48 | 20 11 | 2 5 | 21 48 | 0 50 | 0n11 | 2 31 | 8 19 | 1 10 | 6 34 | 2 33 | 15 8 | 0 27 | 18 1 | 0 30 | 4 49 | 15 38 | 1 26 | 1 31 | 11 29 | 2 20 | 4 41 |
| W25 | 23 14 | 2n22 | 0s16 | 20 32 | 1 55 | 21 57 | 0 47 | 0 26 | 2 32 | 8 22 | 1 11 | 6 35 | 2 33 | 15 8 | 0 27 | 18 1 | 0 30 | 4 49 | 15 38 | 1 26 | 1 30 | 11 27 | 2 19 | 4 41 |
| T 26 | 23 12 | 6 8 | 1 20 | 20 53 | 1 44 | 22 6 | 0 45 | 0 41 | 2 33 | 8 25 | 1 11 | 6 35 | 2 33 | 15 8 | 0 27 | 18 2 | 0 30 | 4 50 | 15 37 | 1 25 | 1 29 | 11 26 | 2 18 | 4 40 |
| F 27 | 23 10 | 9 45 | 2 23 | 21 14 | 1 34 | 22 14 | 0 43 | 0 56 | 2 34 | 8 28 | 1 11 | 6 35 | 2 32 | 15 7 | 0 27 | 18 2 | 0 30 | 4 50 | 15 37 | 1 25 | 1 28 | 11 24 | 2 17 | 4 39 |
| S 28 | 23 7 | 12 59 | 3 19 | 21 33 | 1 23 | 22 21 | 0 40 | 1 10 | 2 35 | 8 31 | 1 11 | 6 35 | 2 32 | 15 7 | 0 27 | 18 2 | 0 30 | 4 50 | 15 37 | 1 23 | 1 26 | 11 23 | 2 16 | 4 39 |
| S 29 | 23 4 | 15 39 | 4 7 | 21 52 | 1 12 | 22 28 | 0 38 | 1 25 | 2 36 | 8 34 | 1 12 | 6 36 | 2 32 | 15 7 | 0 27 | 18 3 | 0 30 | 4 50 | 15 36 | 1 21 | 1 25 | 11 21 | 2 14 | 4 38 |
| M30 | 23n 0 | 17n30 | 4s41 | 22n 9 | 1s 0 | 22n34 | 0s36 | 1n40 | 2s37 | 8n37 | 1s12 | 6s36 | 2n32 | 15s 6 | 0n27 | 18s 3 | 0n30 | 4s50 | 15n36 | 1s17 | 1s24 | 11s20 | 2n13 | 4s37 |

Julian Day Number = 2810729.5, Delta T = 53m05s
Ecliptic obliquity = 23°18'33, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°30'24, Lahiri = 37°37'24


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# ASTRODIENST EPHEMERIS for the year 2983
# geocentric

## JULY 2983 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 37 24 | 9♋59'55 | 26♊46 | 25♊27 | 24♊59 | 11♈ 0 | 25♈26 | 23♎10 | 12°R35 | 6°R31 | 0°R20 | 3°R 5 | 3♎29 | 20♒13 | 13♍29 | T 1 |
| W 2 | 18 41 20 | 10°57'18 | 11♋33 | 27°23 | 26°12 | 11°40 | 25°34 | 23°10 | 12♏34 | 6♒29 | 0♐19 | 2♎54 | 3°26 | 20°20 | 13°35 | W 2 |
| T 3 | 18 45 17 | 11°54'41 | 26°31 | 29°22 | 27°25 | 12°19 | 25°42 | 23°11 | 12°34 | 6°28 | 0°17 | 2°44 | 3°23 | 20°27 | 13°40 | T 3 |
| F 4 | 18 49 13 | 12°52'02 | 11♌31 | 1♋23 | 28°38 | 12°59 | 25°50 | 23°12 | 12°33 | 6°26 | 0°16 | 2°35 | 3°20 | 20°34 | 13°45 | F 4 |
| S 5 | 18 53 10 | 13°49'23 | 26°24 | 3°25 | 29°52 | 13°38 | 25°58 | 23°13 | 12°32 | 6°25 | 0°15 | 2°29 | 3°16 | 20°40 | 13°51 | S 5 |
| S 6 | 18 57 6 | 14°46'43 | 11♍ 3 | 5°30 | 1♋ 5 | 14°17 | 26° 5 | 23°14 | 12°31 | 6°23 | 0°14 | 2°25 | 3°13 | 20°47 | 13°56 | S 6 |
| M 7 | 19 1 3 | 15°44'02 | 25°23 | 7°37 | 2°19 | 14°56 | 26°13 | 23°15 | 12°30 | 6°22 | 0°13 | 2°24 | 3°10 | 20°54 | 14° 2 | M 7 |
| T 8 | 19 4 59 | 16°41'21 | 9♎22 | 9°45 | 3°32 | 15°35 | 26°20 | 23°16 | 12°30 | 6°20 | 0°12 | 2°24 | 3° 7 | 21° 0 | 14° 7 | T 8 |
| W 9 | 19 8 56 | 17°38'39 | 23° 2 | 11°54 | 4°45 | 16°14 | 26°28 | 23°18 | 12°29 | 6°19 | 0°11 | 2°24 | 3° 4 | 21° 7 | 14°13 | W 9 |
| T 10 | 19 12 53 | 18°35'56 | 6♏22 | 14° 4 | 5°59 | 16°53 | 26°35 | 23°19 | 12°28 | 6°17 | 0°10 | 2°23 | 3° 0 | 21°14 | 14°19 | T 10 |
| F 11 | 19 16 49 | 19°33'12 | 19°26 | 16°15 | 7°12 | 17°31 | 26°42 | 23°21 | 12°28 | 6°16 | 0° 9 | 2°19 | 2°57 | 21°20 | 14°25 | F 11 |
| S 12 | 19 20 46 | 20°30'28 | 2♐15 | 18°26 | 8°25 | 18°10 | 26°48 | 23°22 | 12°28 | 6°14 | 0° 8 | 2°14 | 2°54 | 21°27 | 14°31 | S 12 |
| S 13 | 19 24 42 | 21°27'43 | 14°52 | 20°38 | 9°39 | 18°48 | 26°55 | 23°24 | 12°27 | 6°13 | 0° 7 | 2° 5 | 2°51 | 21°34 | 14°37 | S 13 |
| M14 | 19 28 39 | 22°24'58 | 27°19 | 22°49 | 10°52 | 19°26 | 27° 2 | 23°26 | 12°27 | 6°11 | 0° 6 | 1°55 | 2°48 | 21°40 | 14°43 | M14 |
| T 15 | 19 32 35 | 23°22'13 | 9♑35 | 25° 0 | 12° 6 | 20° 4 | 27° 8 | 23°28 | 12°26 | 6°10 | 0° 6 | 1°43 | 2°45 | 21°47 | 14°49 | T 15 |
| W16 | 19 36 32 | 24°19'27 | 21°43 | 27°10 | 13°19 | 20°42 | 27°14 | 23°30 | 12°26 | 6° 8 | 0° 5 | 1°31 | 2°41 | 21°54 | 14°55 | W16 |
| T 17 | 19 40 28 | 25°16'41 | 3♒44 | 29°19 | 14°33 | 21°20 | 27°20 | 23°32 | 12°26 | 6° 7 | 0° 4 | 1°19 | 2°38 | 22° 0 | 15° 2 | T 17 |
| F 18 | 19 44 25 | 26°13'55 | 15°39 | 1♌27 | 15°46 | 21°57 | 27°26 | 23°34 | 12°26 | 6° 5 | 0° 3 | 1°10 | 2°35 | 22° 7 | 15° 8 | F 18 |
| S 19 | 19 48 22 | 27°11'09 | 27°29 | 3°34 | 17° 0 | 22°35 | 27°32 | 23°36 | 12°26 | 6° 3 | 0° 3 | 1° 3 | 2°32 | 22°14 | 15°15 | S 19 |
| S 20 | 19 52 18 | 28° 8'23 | 9♓17 | 5°39 | 18°13 | 23°12 | 27°37 | 23°39 | 12°D26 | 6° 2 | 0° 2 | 0°58 | 2°29 | 22°20 | 15°21 | S 20 |
| M21 | 19 56 15 | 29° 5'37 | 21° 6 | 7°43 | 19°27 | 23°49 | 27°42 | 23°41 | 12°26 | 6° 0 | 0° 1 | 0°56 | 2°26 | 22°27 | 15°28 | M21 |
| T 22 | 20 0 11 | 0♌ 2'51 | 3♈ 1 | 9°45 | 20°40 | 24°26 | 27°48 | 23°44 | 12°26 | 5°59 | 0° 1 | 0°D55 | 2°22 | 22°34 | 15°34 | T 22 |
| W23 | 20 4 8 | 1° 0'05 | 15° 6 | 11°46 | 21°54 | 25° 2 | 27°53 | 23°47 | 12°26 | 5°57 | 0° 0 | 0°56 | 2°19 | 22°40 | 15°41 | W23 |
| T 24 | 20 8 4 | 1°57'20 | 27°25 | 13°45 | 23° 7 | 25°39 | 27°57 | 23°49 | 12°26 | 5°55 | 29♏59 | 0°R56 | 2°16 | 22°47 | 15°48 | T 24 |
| F 25 | 20 12 1 | 2°54'35 | 10♉ 4 | 15°41 | 24°21 | 26°15 | 28° 2 | 23°52 | 12°26 | 5°54 | 29°59 | 0°56 | 2°13 | 22°54 | 15°54 | F 25 |
| S 26 | 20 15 57 | 3°51'51 | 23° 7 | 17°36 | 25°35 | 26°51 | 28° 7 | 23°55 | 12°26 | 5°52 | 29°58 | 0°54 | 2°10 | 23° 0 | 16° 1 | S 26 |
| S 27 | 20 19 54 | 4°49'07 | 6♊38 | 19°30 | 26°48 | 27°27 | 28°11 | 23°58 | 12°27 | 5°50 | 29°58 | 0°51 | 2° 6 | 23° 7 | 16° 8 | S 27 |
| M28 | 20 23 51 | 5°46'23 | 20°38 | 21°21 | 28° 2 | 28° 3 | 28°15 | 24° 1 | 12°27 | 5°49 | 29°58 | 0°45 | 2° 3 | 23°14 | 16°15 | M28 |
| T 29 | 20 27 47 | 6°43'40 | 5♋ 6 | 23°10 | 29°16 | 28°38 | 28°19 | 24° 5 | 12°28 | 5°47 | 29°57 | 0°38 | 2° 0 | 23°20 | 16°22 | T 29 |
| W30 | 20 31 44 | 7°40'57 | 19°58 | 24°57 | 0♌29 | 29°13 | 28°23 | 24° 8 | 12°28 | 5°46 | 29°57 | 0°30 | 1°57 | 23°27 | 16°29 | W30 |
| T 31 | 20 35 40 | 8♌38'14 | 5♌ 5 | 26♌43 | 1♌43 | 29♈48 | 28♈26 | 24♎11 | 12♏29 | 5♒44 | 29♏56 | 0♎22 | 1♎54 | 23♒34 | 16♍36 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n56 | 18n17 | 4s59 | 22n25 | 0s49 | 22n39 | 0s33 | 1n54 | 2s38 | 8n40 | 1s12 | 6s37 | 2n31 | 15s 6 | 0n27 | 18s 3 | 0n30 | 4s50 | 15n35 | 1s13 | 1s23 | 11s19 | 2n12 | 4s37 |
| W 2 | 22 52 | 17 52 | 4 58 | 22 40 | 0 38 | 22 44 | 0 31 | 2 9 | 2 39 | 8 43 | 1 12 | 6 37 | 2 31 | 15 6 | 0 27 | 18 4 | 0 30 | 4 50 | 15 35 | 1 9 | 1 21 | 11 17 | 2 10 | 4 36 |
| T 3 | 22 47 | 16 13 | 4 36 | 22 52 | 0 26 | 22 48 | 0 29 | 2 23 | 2 40 | 8 45 | 1 12 | 6 38 | 2 31 | 15 5 | 0 27 | 18 4 | 0 30 | 4 51 | 15 35 | 1 5 | 1 20 | 11 16 | 2 9 | 4 35 |
| F 4 | 22 41 | 13 28 | 3 55 | 23 3 | 0 15 | 22 52 | 0 26 | 2 37 | 2 41 | 8 48 | 1 13 | 6 38 | 2 30 | 15 5 | 0 27 | 18 4 | 0 30 | 4 51 | 15 34 | 1 1 | 1 19 | 11 14 | 2 7 | 4 35 |
| S 5 | 22 36 | 9 51 | 2 58 | 23 12 | 0 4 | 22 55 | 0 24 | 2 51 | 2 42 | 8 51 | 1 13 | 6 39 | 2 30 | 15 5 | 0 27 | 18 5 | 0 30 | 4 51 | 15 34 | 0 59 | 1 18 | 11 13 | 2 6 | 4 34 |
| S 6 | 22 30 | 5 41 | 1 51 | 23 19 | 0n 7 | 22 57 | 0 21 | 3 5 | 2 43 | 8 53 | 1 13 | 6 39 | 2 30 | 15 5 | 0 27 | 18 5 | 0 30 | 4 51 | 15 33 | 0 57 | 1 16 | 11 11 | 2 5 | 4 33 |
| M 7 | 22 23 | 1 15 | 0 37 | 23 24 | 0 18 | 22 58 | 0 19 | 3 20 | 2 44 | 8 56 | 1 13 | 6 40 | 2 30 | 15 5 | 0 27 | 18 5 | 0 30 | 4 51 | 15 33 | 0 57 | 1 15 | 11 10 | 2 3 | 4 33 |
| T 8 | 22 16 | 3s 8 | 0n37 | 23 26 | 0 29 | 22 59 | 0 16 | 3 33 | 2 45 | 8 58 | 1 14 | 6 41 | 2 29 | 15 4 | 0 27 | 18 6 | 0 30 | 4 52 | 15 33 | 0 57 | 1 14 | 11 8 | 2 1 | 4 32 |
| W 9 | 22 9 | 7 15 | 1 47 | 23 25 | 0 38 | 22 59 | 0 14 | 3 47 | 2 46 | 9 0 | 1 14 | 6 41 | 2 29 | 15 4 | 0 27 | 18 6 | 0 30 | 4 52 | 15 32 | 0 57 | 1 13 | 11 7 | 2 0 | 4 31 |
| T 10 | 22 2 | 10 54 | 2 50 | 23 22 | 0 48 | 22 59 | 0 12 | 4 1 | 2 47 | 9 3 | 1 14 | 6 42 | 2 29 | 15 4 | 0 27 | 18 7 | 0 30 | 4 52 | 15 32 | 0 56 | 1 11 | 11 5 | 1 58 | 4 31 |
| F 11 | 21 54 | 13 55 | 3 42 | 23 16 | 0 57 | 22 58 | 0 9 | 4 15 | 2 48 | 9 5 | 1 14 | 6 43 | 2 29 | 15 4 | 0 27 | 18 7 | 0 30 | 4 52 | 15 31 | 0 55 | 1 10 | 11 4 | 1 57 | 4 30 |
| S 12 | 21 45 | 16 13 | 4 22 | 23 8 | 1 5 | 22 56 | 0 7 | 4 28 | 2 49 | 9 7 | 1 15 | 6 44 | 2 28 | 15 4 | 0 27 | 18 7 | 0 30 | 4 53 | 15 31 | 0 53 | 1 9 | 11 2 | 1 55 | 4 30 |
| S 13 | 21 36 | 17 40 | 4 49 | 22 56 | 1 13 | 22 54 | 0 4 | 4 42 | 2 50 | 9 9 | 1 15 | 6 45 | 2 28 | 15 4 | 0 27 | 18 8 | 0 30 | 4 53 | 15 30 | 0 50 | 1 8 | 11 1 | 1 53 | 4 29 |
| M14 | 21 27 | 18 16 | 5 1 | 22 42 | 1 20 | 22 50 | 0 2 | 4 55 | 2 51 | 9 11 | 1 15 | 6 46 | 2 28 | 15 4 | 0 27 | 18 8 | 0 30 | 4 53 | 15 30 | 0 45 | 1 6 | 11 0 | 1 51 | 4 28 |
| T 15 | 21 18 | 17 59 | 4 59 | 22 26 | 1 26 | 22 47 | 0n 1 | 5 9 | 2 52 | 9 13 | 1 15 | 6 46 | 2 28 | 15 4 | 0 27 | 18 8 | 0 30 | 4 54 | 15 29 | 0 41 | 1 5 | 10 58 | 1 49 | 4 28 |
| W16 | 21 8 | 16 54 | 4 44 | 22 7 | 1 32 | 22 42 | 0 3 | 5 22 | 2 53 | 9 15 | 1 15 | 6 47 | 2 27 | 15 4 | 0 27 | 18 9 | 0 30 | 4 54 | 15 29 | 0 36 | 1 4 | 10 57 | 1 48 | 4 27 |
| T 17 | 20 58 | 15 4 | 4 16 | 21 46 | 1 37 | 22 37 | 0 6 | 5 35 | 2 54 | 9 17 | 1 16 | 6 48 | 2 27 | 15 4 | 0 27 | 18 9 | 0 30 | 4 54 | 15 28 | 0 31 | 1 3 | 10 55 | 1 46 | 4 27 |
| F 18 | 20 47 | 12 36 | 3 37 | 21 22 | 1 41 | 22 31 | 0 8 | 5 48 | 2 55 | 9 19 | 1 16 | 6 49 | 2 27 | 15 4 | 0 27 | 18 10 | 0 30 | 4 55 | 15 28 | 0 28 | 1 1 | 10 54 | 1 44 | 4 26 |
| S 19 | 20 37 | 9 38 | 2 49 | 20 56 | 1 44 | 22 25 | 0 11 | 6 1 | 2 56 | 9 21 | 1 16 | 6 51 | 2 27 | 15 4 | 0 27 | 18 10 | 0 30 | 4 55 | 15 27 | 0 25 | 1 0 | 10 52 | 1 42 | 4 25 |
| S 20 | 20 25 | 6 18 | 1 53 | 20 29 | 1 47 | 22 17 | 0 13 | 6 14 | 2 56 | 9 23 | 1 16 | 6 52 | 2 26 | 15 4 | 0 27 | 18 10 | 0 30 | 4 55 | 15 27 | 0 23 | 0 59 | 10 51 | 1 40 | 4 25 |
| M21 | 20 14 | 2 42 | 0 52 | 19 59 | 1 49 | 22 10 | 0 15 | 6 27 | 2 57 | 9 24 | 1 17 | 6 53 | 2 26 | 15 4 | 0 27 | 18 11 | 0 30 | 4 56 | 15 26 | 0 22 | 0 58 | 10 49 | 1 38 | 4 24 |
| T 22 | 20 2 | 1n 1 | 0s11 | 19 28 | 1 50 | 22 1 | 0 18 | 6 39 | 2 58 | 9 26 | 1 17 | 6 54 | 2 26 | 15 4 | 0 27 | 18 11 | 0 30 | 4 56 | 15 26 | 0 22 | 0 56 | 10 48 | 1 36 | 4 24 |
| W23 | 19 50 | 4 45 | 1 15 | 18 56 | 1 50 | 21 52 | 0 20 | 6 52 | 2 59 | 9 28 | 1 17 | 6 55 | 2 26 | 15 4 | 0 27 | 18 12 | 0 30 | 4 56 | 15 25 | 0 22 | 0 55 | 10 46 | 1 34 | 4 23 |
| T 24 | 19 37 | 8 22 | 2 17 | 18 22 | 1 50 | 21 42 | 0 22 | 7 4 | 3 0 | 9 29 | 1 18 | 6 56 | 2 26 | 15 4 | 0 27 | 18 12 | 0 30 | 4 57 | 15 25 | 0 22 | 0 54 | 10 45 | 1 32 | 4 23 |
| F 25 | 19 24 | 11 41 | 3 14 | 17 46 | 1 48 | 21 32 | 0 25 | 7 16 | 3 1 | 9 30 | 1 18 | 6 58 | 2 25 | 15 4 | 0 26 | 18 12 | 0 30 | 4 57 | 15 24 | 0 22 | 0 53 | 10 43 | 1 30 | 4 22 |
| S 26 | 19 11 | 14 32 | 4 3 | 17 10 | 1 47 | 21 21 | 0 27 | 7 28 | 3 1 | 9 32 | 1 18 | 6 59 | 2 25 | 15 4 | 0 26 | 18 13 | 0 30 | 4 58 | 15 24 | 0 22 | 0 51 | 10 42 | 1 28 | 4 22 |
| S 27 | 18 57 | 16 42 | 4 40 | 16 33 | 1 44 | 21 10 | 0 29 | 7 40 | 3 2 | 9 33 | 1 18 | 7 0 | 2 25 | 15 4 | 0 26 | 18 13 | 0 30 | 4 58 | 15 23 | 0 20 | 0 50 | 10 40 | 1 26 | 4 21 |
| M28 | 18 44 | 17 58 | 5 2 | 15 55 | 1 41 | 20 57 | 0 31 | 7 52 | 3 3 | 9 34 | 1 19 | 7 2 | 2 25 | 15 4 | 0 26 | 18 14 | 0 30 | 4 59 | 15 23 | 0 18 | 0 49 | 10 39 | 1 23 | 4 21 |
| T 29 | 18 29 | 18 7 | 5 5 | 15 16 | 1 38 | 20 45 | 0 34 | 8 4 | 3 4 | 9 35 | 1 19 | 7 3 | 2 24 | 15 4 | 0 26 | 18 14 | 0 30 | 4 59 | 15 22 | 0 15 | 0 48 | 10 37 | 1 21 | 4 20 |
| W30 | 18 15 | 17 4 | 4 49 | 14 36 | 1 34 | 20 31 | 0 36 | 8 15 | 3 5 | 9 36 | 1 19 | 7 4 | 2 24 | 15 5 | 0 26 | 18 14 | 0 30 | 4 59 | 15 22 | 0 12 | 0 46 | 10 36 | 1 19 | 4 20 |
| T 31 | 18n 0 | 14n48 | 4s12 | 13n56 | 1n29 | 20n17 | 0n38 | 8n27 | 3s 5 | 9n38 | 1s19 | 7s 6 | 2n24 | 15s 5 | 0n26 | 18s15 | 0n30 | 5s 0 | 15n21 | 0s 9 | 0s45 | 10s34 | 1n17 | 4s19 |

Julian Day Number = 2810759.5, Delta T = 53m05s
Ecliptic obliquity = 23°18'33, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°30'28, Lahiri = 37°37'28


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# ASTRODIENST EPHEMERIS for the year 2983
# geocentric

## AUGUST 2983 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 20 39 37 | 9♌35'32 | 20♌19 | 28♌26 | 2♌57 | 0♉23 | 28♈30 | 24♎15 | 12♏29 | 5°R42 | 29°R56 | 0°R16 | 1♎51 | 23♒41 | 16♍43 | F 1 |
| S 2 | 20 43 33 | 10°32'50 | 5♍27 | 0♍ 8 | 4°11 | 0°58 | 28°33 | 24°18 | 12°30 | 5♒41 | 29♏56 | 0♎11 | 1°47 | 23°47 | 16°51 | S 2 |
| S 3 | 20 47 30 | 11°30'08 | 20°22 | 1°48 | 5°24 | 1°32 | 28°36 | 24°22 | 12°31 | 5°39 | 29°56 | 0° 9 | 1°44 | 23°54 | 16°58 | S 3 |
| M 4 | 20 51 26 | 12°27'27 | 4♎56 | 3°26 | 6°38 | 2° 6 | 28°39 | 24°26 | 12°31 | 5°38 | 29°55 | 0°D 9 | 1°41 | 24° 1 | 17° 5 | M 4 |
| T 5 | 20 55 23 | 13°24'45 | 19° 7 | 5° 2 | 7°52 | 2°40 | 28°42 | 24°30 | 12°32 | 5°36 | 29°55 | 0°10 | 1°38 | 24° 7 | 17°12 | T 5 |
| W 6 | 20 59 20 | 14°22'04 | 2♏52 | 6°36 | 9° 6 | 3°13 | 28°44 | 24°33 | 12°33 | 5°34 | 29°55 | 0°11 | 1°35 | 24°14 | 17°20 | W 6 |
| T 7 | 21 3 16 | 15°19'23 | 16°14 | 8° 8 | 10°19 | 3°46 | 28°46 | 24°37 | 12°34 | 5°33 | 29°55 | 0°R11 | 1°32 | 24°21 | 17°27 | T 7 |
| F 8 | 21 7 13 | 16°16'42 | 29°15 | 9°38 | 11°33 | 4°19 | 28°48 | 24°41 | 12°35 | 5°31 | 29°55 | 0°11 | 1°28 | 24°27 | 17°35 | F 8 |
| S 9 | 21 11 9 | 17°14'01 | 11♐57 | 11° 6 | 12°47 | 4°52 | 28°50 | 24°46 | 12°36 | 5°30 | 29°55 | 0° 8 | 1°25 | 24°34 | 17°42 | S 9 |
| S 10 | 21 15 6 | 18°11'21 | 24°24 | 12°32 | 14° 1 | 5°24 | 28°52 | 24°50 | 12°37 | 5°28 | 29°D55 | 0° 3 | 1°22 | 24°41 | 17°50 | S 10 |
| M11 | 21 19 2 | 19° 8'41 | 6♑39 | 13°57 | 15°15 | 5°56 | 28°54 | 24°54 | 12°38 | 5°26 | 29°55 | 29♍57 | 1°19 | 24°47 | 17°57 | M11 |
| T 12 | 21 22 59 | 20° 6'02 | 18°45 | 15°19 | 16°29 | 6°28 | 28°55 | 24°59 | 12°39 | 5°25 | 29°55 | 29°51 | 1°16 | 24°54 | 18° 5 | T 12 |
| W13 | 21 26 55 | 21° 3'23 | 0♒44 | 16°39 | 17°43 | 7° 0 | 28°56 | 25° 3 | 12°40 | 5°23 | 29°55 | 29°43 | 1°12 | 25° 1 | 18°13 | W13 |
| T 14 | 21 30 52 | 22° 0'44 | 12°37 | 17°57 | 18°57 | 7°31 | 28°57 | 25° 7 | 12°42 | 5°22 | 29°55 | 29°37 | 1° 9 | 25° 7 | 18°20 | T 14 |
| F 15 | 21 34 49 | 22°58'06 | 24°28 | 19°13 | 20°10 | 8° 2 | 28°58 | 25°12 | 12°43 | 5°20 | 29°55 | 29°31 | 1° 6 | 25°14 | 18°28 | F 15 |
| S 16 | 21 38 45 | 23°55'29 | 6♓17 | 20°27 | 21°24 | 8°32 | 28°58 | 25°17 | 12°44 | 5°19 | 29°56 | 29°27 | 1° 3 | 25°21 | 18°36 | S 16 |
| S 17 | 21 42 42 | 24°52'53 | 18° 7 | 21°39 | 22°38 | 9° 2 | 28°59 | 25°21 | 12°46 | 5°17 | 29°56 | 29°25 | 1° 0 | 25°27 | 18°44 | S 17 |
| M18 | 21 46 38 | 25°50'18 | 29°59 | 22°48 | 23°52 | 9°32 | 28°R59 | 25°26 | 12°47 | 5°16 | 29°56 | 29°D24 | 0°57 | 25°34 | 18°52 | M18 |
| T 19 | 21 50 35 | 26°47'44 | 11♈59 | 23°55 | 25° 6 | 10° 2 | 28°59 | 25°31 | 12°49 | 5°14 | 29°56 | 29°25 | 0°53 | 25°41 | 18°59 | T 19 |
| W20 | 21 54 31 | 27°45'10 | 24° 8 | 24°59 | 26°20 | 10°31 | 28°58 | 25°36 | 12°50 | 5°13 | 29°57 | 29°26 | 0°50 | 25°47 | 19° 7 | W20 |
| T 21 | 21 58 28 | 28°42'38 | 6♉30 | 26° 1 | 27°34 | 10°59 | 28°58 | 25°41 | 12°52 | 5°11 | 29°57 | 29°28 | 0°47 | 25°54 | 19°15 | T 21 |
| F 22 | 22 2 24 | 29°40'07 | 19° 9 | 27° 0 | 28°48 | 11°28 | 28°57 | 25°46 | 12°53 | 5°10 | 29°57 | 29°29 | 0°44 | 26° 1 | 19°23 | F 22 |
| S 23 | 22 6 21 | 0♍37'37 | 2♊10 | 27°56 | 0♍ 2 | 11°56 | 28°56 | 25°51 | 12°55 | 5° 8 | 29°58 | 29°R30 | 0°41 | 26° 7 | 19°31 | S 23 |
| S 24 | 22 10 18 | 1°35'09 | 15°35 | 28°49 | 1°16 | 12°23 | 28°55 | 25°57 | 12°57 | 5° 7 | 29°58 | 29°29 | 0°38 | 26°14 | 19°39 | S 24 |
| M25 | 22 14 14 | 2°32'42 | 29°27 | 29°39 | 2°31 | 12°50 | 28°54 | 26° 2 | 12°59 | 5° 6 | 29°59 | 29°27 | 0°34 | 26°21 | 19°47 | M25 |
| T 26 | 22 18 11 | 3°30'16 | 13♋46 | 0♎26 | 3°45 | 13°17 | 28°53 | 26° 7 | 13° 0 | 5° 4 | 29°59 | 29°24 | 0°31 | 26°27 | 19°55 | T 26 |
| W27 | 22 22 7 | 4°27'52 | 28°29 | 1° 9 | 4°59 | 13°43 | 28°51 | 26°13 | 13° 2 | 5° 3 | 0♐ 0 | 29°21 | 0°28 | 26°34 | 20° 3 | W27 |
| T 28 | 22 26 4 | 5°25'29 | 13♌30 | 1°49 | 6°13 | 14° 9 | 28°49 | 26°18 | 13° 4 | 5° 1 | 0° 1 | 29°18 | 0°25 | 26°41 | 20°12 | T 28 |
| F 29 | 22 30 0 | 6°23'07 | 28°40 | 2°25 | 7°27 | 14°34 | 28°47 | 26°24 | 13° 6 | 5° 0 | 0° 1 | 29°15 | 0°22 | 26°47 | 20°20 | F 29 |
| S 30 | 22 33 57 | 7°20'46 | 13♍52 | 2°57 | 8°41 | 14°59 | 28°45 | 26°29 | 13° 8 | 4°59 | 0° 2 | 29°13 | 0°18 | 26°54 | 20°28 | S 30 |
| S 31 | 22 37 53 | 8♍18'26 | 28♍53 | 3♎25 | 9♍55 | 15♉23 | 28♈42 | 26♎35 | 13♏10 | 4♒58 | 0♐ 3 | 29°D13 | 0♎15 | 27♒ 1 | 20♍36 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17n45 | 11n30 | 3s18 | 13n16 | 1n24 | 20n 3 | 0n40 | 8n38 | 3s 6 | 9n38 | 1s20 | 7s 7 | 2n24 | 15s 5 | 0n26 | 18s15 | 0n30 | 5s 0 | 15n21 | 0s 6 | 0s44 | 10s33 | 1n14 | 4s19 |
| S 2 | 17 30 | 7 27 | 2 9 | 12 35 | 1 18 | 19 48 | 0 42 | 8 50 | 3 7 | 9 39 | 1 20 | 7 9 | 2 23 | 15 5 | 0 26 | 18 16 | 0 30 | 5 1 | 15 20 | 0 4 | 0 42 | 10 31 | 1 12 | 4 18 |
| S 3 | 17 14 | 2 59 | 0 53 | 11 54 | 1 12 | 19 32 | 0 44 | 9 1 | 3 7 | 9 40 | 1 20 | 7 10 | 2 23 | 15 6 | 0 26 | 18 16 | 0 30 | 5 1 | 15 19 | 0 4 | 0 41 | 10 30 | 1 10 | 4 18 |
| M 4 | 16 58 | 1s33 | 0n26 | 11 13 | 1 6 | 19 16 | 0 46 | 9 12 | 3 8 | 9 41 | 1 20 | 7 12 | 2 23 | 15 6 | 0 26 | 18 16 | 0 30 | 5 2 | 15 19 | 0 4 | 0 40 | 10 28 | 1 7 | 4 17 |
| T 5 | 16 42 | 5 53 | 1 41 | 10 32 | 0 59 | 18 59 | 0 48 | 9 22 | 3 9 | 9 42 | 1 21 | 7 14 | 2 23 | 15 6 | 0 26 | 18 17 | 0 30 | 5 2 | 15 18 | 0 4 | 0 39 | 10 27 | 1 5 | 4 17 |
| W 6 | 16 26 | 9 46 | 2 48 | 9 50 | 0 51 | 18 41 | 0 50 | 9 33 | 3 9 | 9 42 | 1 21 | 7 15 | 2 23 | 15 6 | 0 26 | 18 17 | 0 30 | 5 3 | 15 18 | 0 4 | 0 37 | 10 25 | 1 3 | 4 16 |
| T 7 | 16 9 | 13 2 | 3 43 | 9 9 | 0 44 | 18 24 | 0 52 | 9 43 | 3 10 | 9 43 | 1 21 | 7 17 | 2 22 | 15 7 | 0 26 | 18 18 | 0 30 | 5 3 | 15 17 | 0 5 | 0 36 | 10 24 | 1 0 | 4 16 |
| F 8 | 15 52 | 15 33 | 4 26 | 8 28 | 0 35 | 18 5 | 0 54 | 9 54 | 3 11 | 9 43 | 1 21 | 7 18 | 2 22 | 15 7 | 0 26 | 18 18 | 0 30 | 5 4 | 15 17 | 0 4 | 0 35 | 10 22 | 0 58 | 4 15 |
| S 9 | 15 35 | 17 14 | 4 54 | 7 47 | 0 27 | 17 46 | 0 56 | 10 4 | 3 11 | 9 44 | 1 22 | 7 20 | 2 22 | 15 7 | 0 26 | 18 18 | 0 30 | 5 5 | 15 16 | 0 3 | 0 34 | 10 21 | 0 55 | 4 15 |
| S 10 | 15 18 | 18 4 | 5 8 | 7 6 | 0 18 | 17 27 | 0 58 | 10 14 | 3 12 | 9 44 | 1 22 | 7 22 | 2 22 | 15 8 | 0 26 | 18 19 | 0 30 | 5 5 | 15 15 | 0 1 | 0 32 | 10 19 | 0 53 | 4 14 |
| M11 | 15 0 | 18 1 | 5 7 | 6 25 | 0 9 | 17 7 | 0 59 | 10 24 | 3 12 | 9 44 | 1 22 | 7 24 | 2 21 | 15 8 | 0 26 | 18 19 | 0 30 | 5 6 | 15 15 | 0n 1 | 0 31 | 10 18 | 0 50 | 4 14 |
| T 12 | 14 42 | 17 10 | 4 53 | 5 45 | 0s 0 | 16 47 | 1 1 | 10 34 | 3 13 | 9 45 | 1 23 | 7 25 | 2 21 | 15 8 | 0 26 | 18 20 | 0 30 | 5 6 | 15 14 | 0 4 | 0 30 | 10 16 | 0 48 | 4 13 |
| W13 | 14 24 | 15 33 | 4 26 | 5 5 | 0 10 | 16 26 | 1 3 | 10 44 | 3 13 | 9 45 | 1 23 | 7 27 | 2 21 | 15 9 | 0 26 | 18 20 | 0 30 | 5 7 | 15 14 | 0 7 | 0 29 | 10 15 | 0 45 | 4 13 |
| T 14 | 14 6 | 13 17 | 3 47 | 4 26 | 0 20 | 16 5 | 1 4 | 10 53 | 3 14 | 9 45 | 1 23 | 7 29 | 2 21 | 15 9 | 0 26 | 18 20 | 0 30 | 5 7 | 15 13 | 0 9 | 0 27 | 10 13 | 0 42 | 4 13 |
| F 15 | 13 47 | 10 29 | 2 59 | 3 47 | 0 30 | 15 43 | 1 6 | 11 2 | 3 14 | 9 45 | 1 23 | 7 31 | 2 21 | 15 10 | 0 26 | 18 21 | 0 30 | 5 8 | 15 13 | 0 11 | 0 26 | 10 12 | 0 40 | 4 12 |
| S 16 | 13 28 | 7 15 | 2 3 | 3 9 | 0 40 | 15 21 | 1 7 | 11 12 | 3 15 | 9 45 | 1 24 | 7 33 | 2 20 | 15 10 | 0 26 | 18 21 | 0 30 | 5 9 | 15 12 | 0 13 | 0 25 | 10 10 | 0 37 | 4 12 |
| S 17 | 13 9 | 3 44 | 1 1 | 2 31 | 0 50 | 14 58 | 1 9 | 11 21 | 3 15 | 9 45 | 1 24 | 7 35 | 2 20 | 15 10 | 0 26 | 18 22 | 0 30 | 5 9 | 15 12 | 0 14 | 0 24 | 10 8 | 0 34 | 4 11 |
| M18 | 12 50 | 0 3 | 0s 3 | 1 54 | 1 1 | 14 35 | 1 10 | 11 30 | 3 16 | 9 44 | 1 24 | 7 37 | 2 20 | 15 11 | 0 26 | 18 22 | 0 30 | 5 10 | 15 11 | 0 14 | 0 22 | 10 7 | 0 32 | 4 11 |
| T 19 | 12 31 | 3n40 | 1 8 | 1 18 | 1 12 | 14 12 | 1 11 | 11 38 | 3 16 | 9 44 | 1 24 | 7 39 | 2 20 | 15 11 | 0 26 | 18 22 | 0 30 | 5 10 | 15 10 | 0 14 | 0 21 | 10 5 | 0 29 | 4 11 |
| W20 | 12 11 | 7 16 | 2 11 | 0 43 | 1 23 | 13 48 | 1 12 | 11 47 | 3 16 | 9 44 | 1 25 | 7 40 | 2 20 | 15 12 | 0 26 | 18 23 | 0 30 | 5 11 | 15 10 | 0 13 | 0 20 | 10 4 | 0 26 | 4 10 |
| T 21 | 11 52 | 10 37 | 3 10 | 0 8 | 1 34 | 13 24 | 1 14 | 11 55 | 3 17 | 9 43 | 1 25 | 7 42 | 2 19 | 15 12 | 0 26 | 18 23 | 0 30 | 5 12 | 15 9 | 0 13 | 0 19 | 10 2 | 0 24 | 4 10 |
| F 22 | 11 32 | 13 34 | 4 0 | 0s25 | 1 45 | 13 0 | 1 15 | 12 4 | 3 17 | 9 43 | 1 25 | 7 44 | 2 19 | 15 13 | 0 26 | 18 23 | 0 30 | 5 12 | 15 9 | 0 12 | 0 17 | 10 1 | 0 21 | 4 9 |
| S 23 | 11 11 | 15 55 | 4 39 | 0 58 | 1 56 | 12 35 | 1 16 | 12 12 | 3 17 | 9 42 | 1 25 | 7 46 | 2 19 | 15 14 | 0 26 | 18 24 | 0 30 | 5 13 | 15 8 | 0 12 | 0 16 | 9 59 | 0 18 | 4 9 |
| S 24 | 10 51 | 17 29 | 5 5 | 1 29 | 2 7 | 12 10 | 1 17 | 12 20 | 3 18 | 9 42 | 1 26 | 7 49 | 2 19 | 15 14 | 0 26 | 18 24 | 0 30 | 5 14 | 15 8 | 0 12 | 0 15 | 9 58 | 0 15 | 4 9 |
| M25 | 10 31 | 18 4 | 5 14 | 1 59 | 2 18 | 11 44 | 1 18 | 12 28 | 3 18 | 9 41 | 1 26 | 7 51 | 2 19 | 15 15 | 0 25 | 18 25 | 0 30 | 5 14 | 15 7 | 0 13 | 0 14 | 9 56 | 0 13 | 4 8 |
| T 26 | 10 10 | 17 33 | 5 5 | 2 28 | 2 30 | 11 18 | 1 19 | 12 35 | 3 18 | 9 40 | 1 26 | 7 53 | 2 19 | 15 15 | 0 25 | 18 25 | 0 30 | 5 15 | 15 6 | 0 14 | 0 12 | 9 55 | 0 10 | 4 8 |
| W27 | 9 49 | 15 52 | 4 35 | 2 55 | 2 41 | 10 52 | 1 20 | 12 43 | 3 18 | 9 39 | 1 27 | 7 55 | 2 18 | 15 16 | 0 25 | 18 25 | 0 30 | 5 15 | 15 6 | 0 15 | 0 11 | 9 53 | 0 7 | 4 8 |
| T 28 | 9 28 | 13 4 | 3 46 | 3 21 | 2 52 | 10 26 | 1 21 | 12 50 | 3 18 | 9 39 | 1 27 | 7 57 | 2 18 | 15 16 | 0 25 | 18 26 | 0 30 | 5 16 | 15 5 | 0 17 | 0 10 | 9 52 | 0 4 | 4 7 |
| F 29 | 9 7 | 9 22 | 2 41 | 3 45 | 3 2 | 9 59 | 1 21 | 12 57 | 3 19 | 9 38 | 1 27 | 7 59 | 2 18 | 15 17 | 0 25 | 18 26 | 0 30 | 5 17 | 15 5 | 0 18 | 0 9 | 9 50 | 0 1 | 4 7 |
| S 30 | 8 46 | 5 1 | 1 24 | 4 7 | 3 13 | 9 32 | 1 22 | 13 4 | 3 19 | 9 37 | 1 27 | 8 1 | 2 18 | 15 18 | 0 25 | 18 26 | 0 30 | 5 18 | 15 4 | 0 18 | 0 7 | 9 48 | 0s 2 | 4 7 |
| S 31 | 8n25 | 0n25 | 0s 2 | 4s28 | 3s23 | 9n 5 | 1n23 | 13n11 | 3s19 | 9n36 | 1s27 | 8s 3 | 2n18 | 15s18 | 0n25 | 18s27 | 0n30 | 5s18 | 15n 4 | 0n19 | 0s 6 | 9s47 | 0s 4 | 4s 6 |

Julian Day Number = 2810790.5, Delta T = 53m06s
Ecliptic obliquity = 23°18'33, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°30'32, Lahiri = 37°37'33


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# ASTRODIENST EPHEMERIS for the year 2983
# geocentric

## SEPTEMBER 2983 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 22 41 50 | 9♍16'07 | 13♎38 | 3♎48 | 11♍10 | 15♉47 | 28°R40 | 26♎41 | 13♏12 | 4°R56 | 0♐ 3 | 29♍13 | 0♎12 | 27♒ 7 | 20♍44 | M 1 |
| T 2 | 22 45 46 | 10°13'50 | 27°59 | 4° 6 | 12°24 | 16°10 | 28♈37 | 26°47 | 13°15 | 4♒55 | 0° 4 | 29°14 | 0° 9 | 27°14 | 20°52 | T 2 |
| W 3 | 22 49 43 | 11°11'33 | 11♏54 | 4°20 | 13°38 | 16°33 | 28°34 | 26°52 | 13°17 | 4°54 | 0° 5 | 29°16 | 0° 6 | 27°21 | 21° 1 | W 3 |
| T 4 | 22 53 40 | 12° 9'17 | 25°23 | 4°28 | 14°52 | 16°55 | 28°31 | 26°58 | 13°19 | 4°53 | 0° 6 | 29°17 | 0° 3 | 27°27 | 21° 9 | T 4 |
| F 5 | 22 57 36 | 13° 7'03 | 8♐27 | 4°R31 | 16° 6 | 17°17 | 28°27 | 27° 4 | 13°21 | 4°51 | 0° 7 | 29°R17 | 29♍59 | 27°34 | 21°17 | F 5 |
| S 6 | 23 1 33 | 14° 4'49 | 21°10 | 4°29 | 17°21 | 17°38 | 28°24 | 27°10 | 13°24 | 4°50 | 0° 8 | 29°17 | 29°56 | 27°41 | 21°25 | S 6 |
| S 7 | 23 5 29 | 15° 2'37 | 3♑34 | 4°20 | 18°35 | 17°59 | 28°20 | 27°16 | 13°26 | 4°49 | 0° 9 | 29°17 | 29°53 | 27°47 | 21°34 | S 7 |
| M 8 | 23 9 26 | 16° 0'26 | 15°44 | 4° 6 | 19°49 | 18°19 | 28°16 | 27°22 | 13°28 | 4°48 | 0°10 | 29°15 | 29°50 | 27°54 | 21°42 | M 8 |
| T 9 | 23 13 22 | 16°58'16 | 27°44 | 3°46 | 21° 3 | 18°38 | 28°12 | 27°29 | 13°31 | 4°47 | 0°11 | 29°14 | 29°47 | 28° 1 | 21°50 | T 9 |
| W10 | 23 17 19 | 17°56'07 | 9♒37 | 3°21 | 22°18 | 18°57 | 28° 8 | 27°35 | 13°33 | 4°46 | 0°12 | 29°12 | 29°43 | 28° 7 | 21°59 | W10 |
| T 11 | 23 21 15 | 18°53'59 | 21°27 | 2°49 | 23°32 | 19°15 | 28° 3 | 27°41 | 13°36 | 4°45 | 0°13 | 29°10 | 29°40 | 28°14 | 22° 7 | T 11 |
| F 12 | 23 25 12 | 19°51'52 | 3♓16 | 2°12 | 24°46 | 19°33 | 27°59 | 27°47 | 13°38 | 4°44 | 0°14 | 29° 9 | 29°37 | 28°21 | 22°15 | F 12 |
| S 13 | 23 29 9 | 20°49'47 | 15° 7 | 1°30 | 26° 1 | 19°50 | 27°54 | 27°54 | 13°41 | 4°43 | 0°15 | 29° 8 | 29°34 | 28°27 | 22°23 | S 13 |
| S 14 | 23 33 5 | 21°47'44 | 27° 3 | 0°43 | 27°15 | 20° 6 | 27°49 | 28° 0 | 13°44 | 4°42 | 0°16 | 29°D 8 | 29°31 | 28°34 | 22°32 | S 14 |
| M15 | 23 37 2 | 22°45'42 | 9♈ 4 | 29♍52 | 28°29 | 20°22 | 27°44 | 28° 7 | 13°46 | 4°41 | 0°17 | 29° 8 | 29°28 | 28°41 | 22°40 | M15 |
| T 16 | 23 40 58 | 23°43'41 | 21°13 | 28°58 | 29°44 | 20°37 | 27°38 | 28°13 | 13°49 | 4°40 | 0°18 | 29° 9 | 29°24 | 28°47 | 22°48 | T 16 |
| W17 | 23 44 55 | 24°41'43 | 3♉33 | 28° 2 | 0♎58 | 20°51 | 27°33 | 28°20 | 13°52 | 4°39 | 0°20 | 29° 9 | 29°21 | 28°54 | 22°57 | W17 |
| T 18 | 23 48 51 | 25°39'46 | 16° 5 | 27° 4 | 2°12 | 21° 4 | 27°27 | 28°26 | 13°55 | 4°38 | 0°21 | 29°10 | 29°18 | 29° 1 | 23° 5 | T 18 |
| F 19 | 23 52 48 | 26°37'50 | 28°52 | 26° 7 | 3°27 | 21°17 | 27°22 | 28°33 | 13°57 | 4°37 | 0°22 | 29°10 | 29°15 | 29° 7 | 23°13 | F 19 |
| S 20 | 23 56 44 | 27°35'57 | 11♊57 | 25°11 | 4°41 | 21°29 | 27°16 | 28°39 | 14° 0 | 4°36 | 0°24 | 29°10 | 29°12 | 29°14 | 23°22 | S 20 |
| S 21 | 0 0 41 | 28°34'06 | 25°21 | 24°18 | 5°55 | 21°41 | 27°10 | 28°46 | 14° 3 | 4°35 | 0°25 | 29°10 | 29° 9 | 29°21 | 23°30 | S 21 |
| M22 | 0 4 38 | 29°32'17 | 9♋ 5 | 23°28 | 7°10 | 21°51 | 27° 3 | 28°53 | 14° 6 | 4°35 | 0°26 | 29°10 | 29° 5 | 29°27 | 23°38 | M22 |
| T 23 | 0 8 34 | 0♎30'30 | 23°11 | 22°44 | 8°24 | 22° 1 | 26°57 | 28°59 | 14° 9 | 4°34 | 0°28 | 29°10 | 29° 2 | 29°34 | 23°47 | T 23 |
| W24 | 0 12 31 | 1°28'44 | 7♌37 | 22° 5 | 9°38 | 22°10 | 26°51 | 29° 6 | 14°12 | 4°33 | 0°29 | 29°10 | 28°59 | 29°41 | 23°55 | W24 |
| T 25 | 0 16 27 | 2°27'01 | 22°20 | 21°34 | 10°53 | 22°18 | 26°44 | 29°13 | 14°15 | 4°33 | 0°31 | 29°11 | 28°56 | 29°47 | 24° 3 | T 25 |
| F 26 | 0 20 24 | 3°25'19 | 7♍14 | 21°10 | 12° 7 | 22°25 | 26°37 | 29°20 | 14°18 | 4°32 | 0°32 | 29°11 | 28°53 | 29°54 | 24°12 | F 26 |
| S 27 | 0 24 20 | 4°23'40 | 22°12 | 20°55 | 13°22 | 22°32 | 26°30 | 29°27 | 14°21 | 4°31 | 0°34 | 29°R11 | 28°49 | 0♓ 1 | 24°20 | S 27 |
| S 28 | 0 28 17 | 5°22'02 | 7♎ 6 | 20°D49 | 14°36 | 22°37 | 26°23 | 29°34 | 14°24 | 4°31 | 0°35 | 29°11 | 28°46 | 0° 7 | 24°28 | S 28 |
| M29 | 0 32 13 | 6°20'26 | 21°48 | 20°53 | 15°51 | 22°42 | 26°16 | 29°41 | 14°27 | 4°30 | 0°37 | 29°11 | 28°43 | 0°14 | 24°36 | M29 |
| T 30 | 0 36 10 | 7♎18'51 | 6♏12 | 21♍ 5 | 17♎ 5 | 22♉46 | 26♈ 9 | 29♎48 | 14♏31 | 4♒30 | 0♐39 | 29♍10 | 28♍40 | 0♓21 | 24♍45 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 8n 3 | 4s 8 | 1n19 | 4s46 | 3s33 | 8n37 | 1n23 | 13n18 | 3s19 | 9n34 | 1s28 | 8s 6 | 2n18 | 15s19 | 0n25 | 18s27 | 0n30 | 5s19 | 15n 3 | 0n18 | 0s 5 | 9s45 | 0s 7 | 4s 6 | M 1 |
| T 2 | 7 41 | 8 20 | 2 32 | 5 2 | 3 43 | 8 10 | 1 24 | 13 25 | 3 19 | 9 33 | 1 28 | 8 8 | 2 17 | 15 20 | 0 25 | 18 27 | 0 30 | 5 20 | 15 3 | 0 18 | 0 4 | 9 44 | 0 10 | 4 6 | T 2 |
| W 3 | 7 20 | 11 55 | 3 35 | 5 16 | 3 52 | 7 42 | 1 24 | 13 31 | 3 19 | 9 32 | 1 28 | 8 10 | 2 17 | 15 20 | 0 25 | 18 28 | 0 30 | 5 20 | 15 2 | 0 18 | 0 2 | 9 42 | 0 13 | 4 5 | W 3 |
| T 4 | 6 58 | 14 45 | 4 23 | 5 27 | 4 1 | 7 14 | 1 24 | 13 37 | 3 19 | 9 31 | 1 28 | 8 12 | 2 17 | 15 21 | 0 25 | 18 28 | 0 30 | 5 21 | 15 1 | 0 17 | 0 1 | 9 41 | 0 16 | 4 5 | T 4 |
| F 5 | 6 36 | 16 43 | 4 56 | 5 35 | 4 8 | 6 45 | 1 25 | 13 43 | 3 19 | 9 29 | 1 29 | 8 15 | 2 17 | 15 22 | 0 25 | 18 28 | 0 30 | 5 22 | 15 1 | 0 17 | 0n 0 | 9 39 | 0 19 | 4 5 | F 5 |
| S 6 | 6 14 | 17 48 | 5 13 | 5 41 | 4 16 | 6 17 | 1 25 | 13 49 | 3 19 | 9 28 | 1 29 | 8 17 | 2 17 | 15 22 | 0 25 | 18 28 | 0 30 | 5 22 | 15 0 | 0 17 | 0 2 | 9 38 | 0 22 | 4 5 | S 6 |
| S 7 | 5 52 | 18 0 | 5 16 | 5 43 | 4 22 | 5 48 | 1 25 | 13 55 | 3 18 | 9 26 | 1 29 | 8 19 | 2 17 | 15 23 | 0 25 | 18 29 | 0 30 | 5 23 | 15 0 | 0 17 | 0 3 | 9 36 | 0 25 | 4 4 | S 7 |
| M 8 | 5 29 | 17 22 | 5 4 | 5 43 | 4 27 | 5 19 | 1 25 | 14 1 | 3 18 | 9 24 | 1 29 | 8 21 | 2 17 | 15 24 | 0 25 | 18 29 | 0 30 | 5 24 | 14 59 | 0 18 | 0 4 | 9 35 | 0 28 | 4 4 | M 8 |
| T 9 | 5 7 | 15 57 | 4 38 | 5 38 | 4 31 | 4 50 | 1 25 | 14 6 | 3 18 | 9 23 | 1 30 | 8 24 | 2 16 | 15 25 | 0 25 | 18 29 | 0 30 | 5 25 | 14 59 | 0 18 | 0 5 | 9 33 | 0 31 | 4 4 | T 9 |
| W10 | 4 45 | 13 52 | 4 1 | 5 31 | 4 34 | 4 21 | 1 25 | 14 11 | 3 18 | 9 21 | 1 30 | 8 26 | 2 16 | 15 25 | 0 25 | 18 30 | 0 29 | 5 25 | 14 58 | 0 19 | 0 7 | 9 31 | 0 34 | 4 4 | W10 |
| T 11 | 4 22 | 11 12 | 3 14 | 5 19 | 4 35 | 3 51 | 1 25 | 14 16 | 3 17 | 9 19 | 1 30 | 8 28 | 2 16 | 15 26 | 0 25 | 18 30 | 0 29 | 5 26 | 14 58 | 0 20 | 0 8 | 9 30 | 0 37 | 4 3 | T 11 |
| F 12 | 4 0 | 8 6 | 2 19 | 5 5 | 4 35 | 3 22 | 1 25 | 14 21 | 3 17 | 9 18 | 1 30 | 8 31 | 2 16 | 15 27 | 0 25 | 18 30 | 0 29 | 5 27 | 14 57 | 0 20 | 0 9 | 9 28 | 0 40 | 4 3 | F 12 |
| S 13 | 3 37 | 4 39 | 1 17 | 4 46 | 4 33 | 2 52 | 1 25 | 14 26 | 3 17 | 9 16 | 1 30 | 8 33 | 2 16 | 15 28 | 0 25 | 18 30 | 0 29 | 5 27 | 14 57 | 0 20 | 0 10 | 9 27 | 0 43 | 4 3 | S 13 |
| S 14 | 3 14 | 0 59 | 0 12 | 4 24 | 4 29 | 2 23 | 1 24 | 14 31 | 3 16 | 9 14 | 1 31 | 8 35 | 2 16 | 15 29 | 0 25 | 18 31 | 0 29 | 5 28 | 14 56 | 0 20 | 0 12 | 9 25 | 0 46 | 4 3 | S 14 |
| M15 | 2 51 | 2n44 | 0s55 | 3 59 | 4 24 | 1 53 | 1 24 | 14 36 | 3 16 | 9 12 | 1 31 | 8 38 | 2 16 | 15 29 | 0 25 | 18 31 | 0 29 | 5 29 | 14 56 | 0 20 | 0 13 | 9 24 | 0 49 | 4 2 | M15 |
| T 16 | 2 29 | 6 23 | 2 0 | 3 31 | 4 16 | 1 23 | 1 24 | 14 40 | 3 15 | 9 10 | 1 31 | 8 40 | 2 16 | 15 30 | 0 25 | 18 31 | 0 29 | 5 30 | 14 55 | 0 20 | 0 14 | 9 22 | 0 52 | 4 2 | T 16 |
| W17 | 2 6 | 9 49 | 3 0 | 3 0 | 4 7 | 0 53 | 1 23 | 14 44 | 3 15 | 9 7 | 1 31 | 8 43 | 2 15 | 15 31 | 0 25 | 18 31 | 0 29 | 5 30 | 14 55 | 0 20 | 0 15 | 9 20 | 0 55 | 4 2 | W17 |
| T 18 | 1 43 | 12 51 | 3 52 | 2 27 | 3 56 | 0 24 | 1 23 | 14 48 | 3 14 | 9 5 | 1 31 | 8 45 | 2 15 | 15 32 | 0 25 | 18 32 | 0 29 | 5 31 | 14 54 | 0 20 | 0 17 | 9 19 | 0 58 | 4 2 | T 18 |
| F 19 | 1 20 | 15 20 | 4 35 | 1 52 | 3 43 | 0s 6 | 1 22 | 14 52 | 3 13 | 9 3 | 1 32 | 8 47 | 2 15 | 15 33 | 0 25 | 18 32 | 0 29 | 5 32 | 14 54 | 0 20 | 0 18 | 9 17 | 1 1 | 4 1 | F 19 |
| S 20 | 0 57 | 17 5 | 5 4 | 1 17 | 3 28 | 0 36 | 1 21 | 14 56 | 3 13 | 9 1 | 1 32 | 8 50 | 2 15 | 15 34 | 0 25 | 18 32 | 0 29 | 5 33 | 14 53 | 0 20 | 0 19 | 9 16 | 1 4 | 4 1 | S 20 |
| S 21 | 0 34 | 17 57 | 5 17 | 0 41 | 3 12 | 1 6 | 1 21 | 15 0 | 3 12 | 8 59 | 1 32 | 8 52 | 2 15 | 15 35 | 0 25 | 18 32 | 0 29 | 5 33 | 14 53 | 0 20 | 0 20 | 9 14 | 1 8 | 4 1 | S 21 |
| M22 | 0 11 | 17 48 | 5 13 | 0 6 | 2 55 | 1 36 | 1 20 | 15 3 | 3 11 | 8 56 | 1 32 | 8 55 | 2 15 | 15 35 | 0 25 | 18 32 | 0 29 | 5 34 | 14 52 | 0 20 | 0 22 | 9 13 | 1 11 | 4 1 | M22 |
| T 23 | 0s12 | 16 33 | 4 50 | 0n29 | 2 36 | 2 6 | 1 19 | 15 6 | 3 10 | 8 54 | 1 32 | 8 57 | 2 15 | 15 36 | 0 25 | 18 33 | 0 29 | 5 35 | 14 52 | 0 20 | 0 23 | 9 11 | 1 14 | 4 1 | T 23 |
| W24 | 0 35 | 14 15 | 4 9 | 1 1 | 2 17 | 2 36 | 1 18 | 15 9 | 3 9 | 8 51 | 1 32 | 9 0 | 2 15 | 15 37 | 0 25 | 18 33 | 0 29 | 5 36 | 14 51 | 0 20 | 0 24 | 9 9 | 1 17 | 4 0 | W24 |
| T 25 | 0 58 | 10 59 | 3 11 | 1 31 | 1 58 | 3 6 | 1 17 | 15 12 | 3 8 | 8 49 | 1 32 | 9 2 | 2 15 | 15 38 | 0 25 | 18 33 | 0 29 | 5 36 | 14 51 | 0 20 | 0 25 | 9 8 | 1 20 | 4 0 | T 25 |
| F 26 | 1 21 | 6 58 | 1 59 | 1 59 | 1 38 | 3 36 | 1 16 | 15 15 | 3 7 | 8 46 | 1 33 | 9 5 | 2 14 | 15 39 | 0 25 | 18 33 | 0 29 | 5 37 | 14 50 | 0 19 | 0 27 | 9 6 | 1 23 | 4 0 | F 26 |
| S 27 | 1 44 | 2 29 | 0 39 | 2 23 | 1 18 | 4 6 | 1 15 | 15 18 | 3 6 | 8 44 | 1 33 | 9 7 | 2 14 | 15 40 | 0 25 | 18 33 | 0 29 | 5 38 | 14 50 | 0 19 | 0 28 | 9 5 | 1 26 | 4 0 | S 27 |
| S 28 | 2 7 | 2s 8 | 0n44 | 2 43 | 0 59 | 4 35 | 1 14 | 15 21 | 3 5 | 8 41 | 1 33 | 9 10 | 2 14 | 15 41 | 0 25 | 18 34 | 0 29 | 5 39 | 14 49 | 0 19 | 0 29 | 9 3 | 1 29 | 4 0 | S 28 |
| M29 | 2 30 | 6 33 | 2 2 | 2 59 | 0 40 | 5 5 | 1 12 | 15 23 | 3 4 | 8 39 | 1 33 | 9 12 | 2 14 | 15 42 | 0 25 | 18 34 | 0 29 | 5 39 | 14 49 | 0 19 | 0 30 | 9 2 | 1 32 | 4 0 | M29 |
| T 30 | 2s53 | 10s30 | 3n11 | 3n11 | 0s22 | 5s35 | 1n11 | 15n25 | 3s 2 | 8n36 | 1s33 | 9s15 | 2n14 | 15s43 | 0n25 | 18s34 | 0n29 | 5s40 | 14n48 | 0n20 | 0n32 | 9s 0 | 1s35 | 3s59 | T 30 |

Julian Day Number = 2810821.5, Delta T = 53m07s
Ecliptic obliquity = 23°18'34, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°30'36, Lahiri = 37°37'37


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# ASTRODIENST EPHEMERIS for the year 2983
# geocentric

## OCTOBER 2983 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 0 40 6 | 8♎17'19 | 20♏13 | 21♍27 | 18♎19 | 22♉49 | 26°R 2 | 29♎55 | 14♏34 | 4°R29 | 0♐40 | 29°R 9 | 28♍37 | 0♓27 | 24♍53 | W 1 |
| T 2 | 0 44 3 | 9°15'48 | 3♐48 | 21°58 | 19°34 | 22°52 | 25♈55 | 0♏ 2 | 14°37 | 4♒29 | 0°42 | 29♍ 8 | 28°34 | 0°34 | 25° 1 | T 2 |
| F 3 | 0 48 0 | 10°14'19 | 16°58 | 22°37 | 20°48 | 22°53 | 25°47 | 0° 9 | 14°40 | 4°28 | 0°44 | 29° 7 | 28°30 | 0°41 | 25° 9 | F 3 |
| S 4 | 0 51 56 | 11°12'51 | 29°44 | 23°25 | 22° 3 | 22°R53 | 25°40 | 0°16 | 14°44 | 4°28 | 0°45 | 29° 6 | 28°27 | 0°47 | 25°17 | S 4 |
| S 5 | 0 55 53 | 12°11'25 | 12♑10 | 24°21 | 23°17 | 22°53 | 25°32 | 0°23 | 14°47 | 4°27 | 0°47 | 29°D 6 | 28°24 | 0°54 | 25°25 | S 5 |
| M 6 | 0 59 49 | 13°10'00 | 24°20 | 25°25 | 24°32 | 22°52 | 25°24 | 0°30 | 14°50 | 4°27 | 0°49 | 29° 6 | 28°21 | 1° 1 | 25°34 | M 6 |
| T 7 | 1 3 46 | 14° 8'37 | 6♒18 | 26°35 | 25°46 | 22°49 | 25°17 | 0°37 | 14°54 | 4°27 | 0°51 | 29° 7 | 28°18 | 1° 7 | 25°42 | T 7 |
| W 8 | 1 7 42 | 15° 7'16 | 18° 9 | 27°51 | 27° 1 | 22°46 | 25° 9 | 0°45 | 14°57 | 4°26 | 0°52 | 29° 8 | 28°14 | 1°14 | 25°50 | W 8 |
| T 9 | 1 11 39 | 16° 5'56 | 29°58 | 29°13 | 28°15 | 22°42 | 25° 1 | 0°52 | 15° 0 | 4°26 | 0°54 | 29°10 | 28°11 | 1°20 | 25°58 | T 9 |
| F 10 | 1 15 35 | 17° 4'38 | 11♓48 | 0♎39 | 29°29 | 22°38 | 24°53 | 0°59 | 15° 4 | 4°26 | 0°56 | 29°11 | 28° 8 | 1°27 | 26° 6 | F 10 |
| S 11 | 1 19 32 | 18° 3'22 | 23°43 | 2°10 | 0♏44 | 22°32 | 24°45 | 1° 6 | 15° 7 | 4°26 | 0°58 | 29°R12 | 28° 5 | 1°34 | 26°14 | S 11 |
| S 12 | 1 23 29 | 19° 2'07 | 5♈47 | 3°45 | 1°58 | 22°26 | 24°37 | 1°13 | 15°11 | 4°26 | 1° 0 | 29°12 | 28° 2 | 1°40 | 26°22 | S 12 |
| M13 | 1 27 25 | 20° 0'55 | 18° 0 | 5°22 | 3°13 | 22°18 | 24°29 | 1°21 | 15°14 | 4°25 | 1° 2 | 29°11 | 27°59 | 1°47 | 26°30 | M13 |
| T 14 | 1 31 22 | 20°59'44 | 0♉24 | 7° 2 | 4°27 | 22°10 | 24°21 | 1°28 | 15°18 | 4°25 | 1° 4 | 29° 8 | 27°55 | 1°54 | 26°38 | T 14 |
| W15 | 1 35 18 | 21°58'35 | 13° 2 | 8°45 | 5°42 | 22° 1 | 24°13 | 1°35 | 15°21 | 4°25 | 1° 6 | 29° 5 | 27°52 | 2° 0 | 26°46 | W15 |
| T 16 | 1 39 15 | 22°57'29 | 25°52 | 10°28 | 6°56 | 21°51 | 24° 5 | 1°43 | 15°25 | 4°D25 | 1° 8 | 29° 2 | 27°49 | 2° 7 | 26°54 | T 16 |
| F 17 | 1 43 11 | 23°56'24 | 8♊57 | 12°13 | 8°11 | 21°40 | 23°57 | 1°50 | 15°28 | 4°25 | 1°10 | 28°58 | 27°46 | 2°14 | 27° 1 | F 17 |
| S 18 | 1 47 8 | 24°55'22 | 22°14 | 13°59 | 9°25 | 21°29 | 23°49 | 1°57 | 15°32 | 4°25 | 1°12 | 28°54 | 27°43 | 2°20 | 27° 9 | S 18 |
| S 19 | 1 51 4 | 25°54'22 | 5♋46 | 15°46 | 10°39 | 21°17 | 23°41 | 2° 5 | 15°36 | 4°25 | 1°14 | 28°52 | 27°40 | 2°27 | 27°17 | S 19 |
| M20 | 1 55 1 | 26°53'25 | 19°31 | 17°32 | 11°54 | 21° 4 | 23°33 | 2°12 | 15°39 | 4°26 | 1°16 | 28°51 | 27°36 | 2°34 | 27°25 | M20 |
| T 21 | 1 58 58 | 27°52'29 | 3♌29 | 19°19 | 13° 8 | 20°50 | 23°25 | 2°19 | 15°43 | 4°26 | 1°18 | 28°D50 | 27°33 | 2°40 | 27°32 | T 21 |
| W22 | 2 2 54 | 28°51'36 | 17°39 | 21° 6 | 14°23 | 20°36 | 23°17 | 2°27 | 15°46 | 4°26 | 1°20 | 28°51 | 27°30 | 2°47 | 27°40 | W22 |
| T 23 | 2 6 51 | 29°50'45 | 2♍ 1 | 22°53 | 15°37 | 20°20 | 23° 9 | 2°34 | 15°50 | 4°26 | 1°22 | 28°53 | 27°27 | 2°54 | 27°48 | T 23 |
| F 24 | 2 10 47 | 0♏49'57 | 16°31 | 24°40 | 16°52 | 20° 5 | 23° 1 | 2°41 | 15°54 | 4°26 | 1°24 | 28°54 | 27°24 | 3° 0 | 27°55 | F 24 |
| S 25 | 2 14 44 | 1°49'10 | 1♎ 5 | 26°26 | 18° 6 | 19°48 | 22°53 | 2°49 | 15°58 | 4°27 | 1°27 | 28°R55 | 27°20 | 3° 7 | 28° 3 | S 25 |
| S 26 | 2 18 40 | 2°48'26 | 15°38 | 28°12 | 19°21 | 19°32 | 22°45 | 2°56 | 16° 1 | 4°27 | 1°29 | 28°54 | 27°17 | 3°14 | 28°10 | S 26 |
| M27 | 2 22 37 | 3°47'44 | 0♏ 4 | 29°57 | 20°35 | 19°14 | 22°37 | 3° 4 | 16° 5 | 4°27 | 1°31 | 28°51 | 27°14 | 3°20 | 28°18 | M27 |
| T 28 | 2 26 33 | 4°47'04 | 14°18 | 1♏41 | 21°50 | 18°56 | 22°30 | 3°11 | 16° 9 | 4°28 | 1°33 | 28°46 | 27°11 | 3°27 | 28°25 | T 28 |
| W29 | 2 30 30 | 5°46'25 | 28°13 | 3°25 | 23° 4 | 18°38 | 22°22 | 3°18 | 16°12 | 4°28 | 1°35 | 28°41 | 27° 8 | 3°34 | 28°33 | W29 |
| T 30 | 2 34 26 | 6°45'49 | 11♐47 | 5° 9 | 24°19 | 18°20 | 22°15 | 3°26 | 16°16 | 4°29 | 1°38 | 28°34 | 27° 5 | 3°40 | 28°40 | T 30 |
| F 31 | 2 38 23 | 7♏45'15 | 24♐59 | 6♏52 | 25♏33 | 18♉ 1 | 22♈ 7 | 3♏33 | 16♏20 | 4♒29 | 1♐40 | 28♍28 | 27♍ 1 | 3♓47 | 28♍47 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 3s16 | 13s44 | 4n 7 | 3n18 | 0s 5 | 6s 4 | 1n10 | 15n27 | 3s 1 | 8n33 | 1s33 | 9s17 | 2n14 | 15s44 | 0n25 | 18s34 | 0n29 | 5s41 | 14n48 | 0n20 | 0n33 | 8s58 | 1s39 | 3s59 |
| T 2 | 3 39 | 16 6 | 4 47 | 3 21 | 0n11 | 6 33 | 1 8 | 15 29 | 3 0 | 8 30 | 1 33 | 9 20 | 2 14 | 15 45 | 0 25 | 18 34 | 0 29 | 5 42 | 14 47 | 0 21 | 0 34 | 8 57 | 1 42 | 3 59 |
| F 3 | 4 2 | 17 32 | 5 10 | 3 19 | 0 27 | 7 3 | 1 7 | 15 31 | 2 58 | 8 28 | 1 33 | 9 22 | 2 14 | 15 46 | 0 24 | 18 34 | 0 29 | 5 42 | 14 47 | 0 21 | 0 35 | 8 55 | 1 45 | 3 59 |
| S 4 | 4 25 | 18 1 | 5 17 | 3 13 | 0 41 | 7 32 | 1 5 | 15 33 | 2 56 | 8 25 | 1 33 | 9 25 | 2 14 | 15 47 | 0 24 | 18 34 | 0 29 | 5 43 | 14 47 | 0 21 | 0 37 | 8 54 | 1 48 | 3 59 |
| S 5 | 4 48 | 17 38 | 5 9 | 3 3 | 0 53 | 8 1 | 1 4 | 15 34 | 2 55 | 8 22 | 1 34 | 9 27 | 2 14 | 15 48 | 0 24 | 18 34 | 0 29 | 5 44 | 14 46 | 0 22 | 0 38 | 8 52 | 1 51 | 3 59 |
| M 6 | 5 10 | 16 25 | 4 47 | 2 48 | 1 5 | 8 29 | 1 2 | 15 36 | 2 53 | 8 19 | 1 34 | 9 30 | 2 14 | 15 49 | 0 24 | 18 35 | 0 29 | 5 45 | 14 46 | 0 21 | 0 39 | 8 50 | 1 54 | 3 59 |
| T 7 | 5 33 | 14 31 | 4 13 | 2 30 | 1 15 | 8 58 | 1 1 | 15 37 | 2 51 | 8 16 | 1 34 | 9 32 | 2 14 | 15 50 | 0 24 | 18 35 | 0 29 | 5 45 | 14 45 | 0 21 | 0 40 | 8 49 | 1 57 | 3 59 |
| W 8 | 5 55 | 12 0 | 3 28 | 2 8 | 1 24 | 9 26 | 0 59 | 15 38 | 2 49 | 8 13 | 1 34 | 9 35 | 2 14 | 15 51 | 0 24 | 18 35 | 0 29 | 5 46 | 14 45 | 0 21 | 0 42 | 8 47 | 2 0 | 3 58 |
| T 9 | 6 18 | 9 0 | 2 35 | 1 43 | 1 32 | 9 54 | 0 57 | 15 39 | 2 47 | 8 11 | 1 34 | 9 37 | 2 14 | 15 52 | 0 24 | 18 35 | 0 29 | 5 47 | 14 44 | 0 20 | 0 43 | 8 46 | 2 3 | 3 58 |
| F 10 | 6 40 | 5 38 | 1 35 | 1 14 | 1 38 | 10 22 | 0 55 | 15 40 | 2 45 | 8 8 | 1 34 | 9 40 | 2 14 | 15 53 | 0 24 | 18 35 | 0 29 | 5 47 | 14 44 | 0 19 | 0 44 | 8 44 | 2 6 | 3 58 |
| S 11 | 7 3 | 2 1 | 0 30 | 0 43 | 1 43 | 10 50 | 0 53 | 15 40 | 2 43 | 8 5 | 1 34 | 9 42 | 2 13 | 15 54 | 0 24 | 18 35 | 0 29 | 5 48 | 14 44 | 0 19 | 0 46 | 8 42 | 2 9 | 3 58 |
| S 12 | 7 25 | 1n44 | 0s36 | 0 10 | 1 47 | 11 17 | 0 52 | 15 41 | 2 41 | 8 2 | 1 34 | 9 45 | 2 13 | 15 55 | 0 24 | 18 35 | 0 29 | 5 49 | 14 43 | 0 19 | 0 47 | 8 41 | 2 13 | 3 58 |
| M13 | 7 47 | 5 27 | 1 42 | 0s26 | 1 50 | 11 44 | 0 50 | 15 41 | 2 39 | 7 59 | 1 34 | 9 47 | 2 13 | 15 56 | 0 24 | 18 35 | 0 29 | 5 50 | 14 43 | 0 20 | 0 48 | 8 39 | 2 16 | 3 58 |
| T 14 | 8 9 | 9 0 | 2 44 | 1 3 | 1 53 | 12 11 | 0 48 | 15 41 | 2 36 | 7 56 | 1 34 | 9 50 | 2 13 | 15 57 | 0 24 | 18 35 | 0 29 | 5 50 | 14 43 | 0 20 | 0 49 | 8 38 | 2 19 | 3 58 |
| W15 | 8 31 | 12 11 | 3 39 | 1 42 | 1 54 | 12 38 | 0 46 | 15 42 | 2 34 | 7 53 | 1 34 | 9 53 | 2 13 | 15 58 | 0 24 | 18 35 | 0 29 | 5 51 | 14 42 | 0 22 | 0 51 | 8 36 | 2 22 | 3 58 |
| T 16 | 8 53 | 14 51 | 4 23 | 2 22 | 1 54 | 13 4 | 0 43 | 15 42 | 2 31 | 7 50 | 1 34 | 9 55 | 2 13 | 15 59 | 0 24 | 18 35 | 0 29 | 5 52 | 14 42 | 0 23 | 0 52 | 8 34 | 2 25 | 3 58 |
| F 17 | 9 14 | 16 48 | 4 55 | 3 4 | 1 53 | 13 30 | 0 41 | 15 41 | 2 29 | 7 47 | 1 34 | 9 58 | 2 13 | 16 0 | 0 24 | 18 35 | 0 29 | 5 53 | 14 42 | 0 25 | 0 53 | 8 33 | 2 28 | 3 58 |
| S 18 | 9 36 | 17 54 | 5 12 | 3 46 | 1 52 | 13 56 | 0 39 | 15 41 | 2 26 | 7 44 | 1 34 | 10 0 | 2 13 | 16 1 | 0 24 | 18 35 | 0 29 | 5 53 | 14 41 | 0 26 | 0 54 | 8 31 | 2 31 | 3 58 |
| S 19 | 9 57 | 18 0 | 5 12 | 4 28 | 1 50 | 14 21 | 0 37 | 15 41 | 2 23 | 7 41 | 1 34 | 10 3 | 2 13 | 16 2 | 0 24 | 18 35 | 0 29 | 5 54 | 14 41 | 0 27 | 0 56 | 8 30 | 2 34 | 3 58 |
| M20 | 10 19 | 17 3 | 4 54 | 5 11 | 1 48 | 14 46 | 0 35 | 15 40 | 2 20 | 7 38 | 1 34 | 10 5 | 2 13 | 16 3 | 0 24 | 18 35 | 0 29 | 5 55 | 14 40 | 0 27 | 0 57 | 8 28 | 2 37 | 3 58 |
| T 21 | 10 40 | 15 5 | 4 19 | 5 54 | 1 45 | 15 11 | 0 33 | 15 39 | 2 17 | 7 36 | 1 34 | 10 8 | 2 13 | 16 4 | 0 24 | 18 35 | 0 28 | 5 55 | 14 40 | 0 28 | 0 58 | 8 26 | 2 40 | 3 58 |
| W22 | 11 1 | 12 10 | 3 27 | 6 38 | 1 41 | 15 35 | 0 30 | 15 39 | 2 14 | 7 33 | 1 34 | 10 10 | 2 13 | 16 5 | 0 24 | 18 35 | 0 28 | 5 56 | 14 40 | 0 27 | 0 59 | 8 25 | 2 43 | 3 58 |
| T 23 | 11 21 | 8 29 | 2 22 | 7 21 | 1 37 | 15 59 | 0 28 | 15 38 | 2 11 | 7 30 | 1 34 | 10 13 | 2 13 | 16 6 | 0 24 | 18 35 | 0 28 | 5 57 | 14 40 | 0 27 | 1 1 | 8 23 | 2 46 | 3 58 |
| F 24 | 11 42 | 4 16 | 1 7 | 8 4 | 1 33 | 16 23 | 0 26 | 15 37 | 2 8 | 7 27 | 1 34 | 10 15 | 2 13 | 16 7 | 0 24 | 18 35 | 0 28 | 5 57 | 14 39 | 0 26 | 1 2 | 8 21 | 2 49 | 3 58 |
| S 25 | 12 3 | 0s15 | 0n12 | 8 47 | 1 28 | 16 46 | 0 23 | 15 35 | 2 5 | 7 24 | 1 34 | 10 18 | 2 13 | 16 8 | 0 24 | 18 35 | 0 28 | 5 58 | 14 39 | 0 26 | 1 3 | 8 20 | 2 52 | 3 57 |
| S 26 | 12 23 | 4 44 | 1 30 | 9 29 | 1 23 | 17 8 | 0 21 | 15 34 | 2 1 | 7 21 | 1 33 | 10 20 | 2 13 | 16 9 | 0 24 | 18 35 | 0 28 | 5 59 | 14 39 | 0 26 | 1 4 | 8 18 | 2 55 | 3 57 |
| M27 | 12 43 | 8 54 | 2 42 | 10 11 | 1 17 | 17 30 | 0 18 | 15 33 | 1 58 | 7 19 | 1 33 | 10 23 | 2 13 | 16 11 | 0 24 | 18 35 | 0 28 | 6 0 | 14 38 | 0 27 | 1 6 | 8 17 | 2 58 | 3 57 |
| T 28 | 13 3 | 12 30 | 3 42 | 10 53 | 1 11 | 17 52 | 0 16 | 15 31 | 1 55 | 7 16 | 1 33 | 10 25 | 2 13 | 16 12 | 0 24 | 18 35 | 0 28 | 6 0 | 14 38 | 0 29 | 1 7 | 8 15 | 3 1 | 3 57 |
| W29 | 13 22 | 15 18 | 4 28 | 11 34 | 1 6 | 18 13 | 0 13 | 15 30 | 1 51 | 7 13 | 1 33 | 10 28 | 2 13 | 16 13 | 0 24 | 18 35 | 0 28 | 6 1 | 14 38 | 0 31 | 1 8 | 8 13 | 3 3 | 3 57 |
| T 30 | 13 42 | 17 10 | 4 57 | 12 14 | 0 59 | 18 34 | 0 11 | 15 28 | 1 47 | 7 10 | 1 33 | 10 30 | 2 13 | 16 14 | 0 24 | 18 35 | 0 28 | 6 2 | 14 38 | 0 34 | 1 9 | 8 12 | 3 6 | 3 57 |
| F 31 | 14s 1 | 18s 3 | 5n10 | 12s54 | 0n53 | 18s55 | 0n 8 | 15n26 | 1s44 | 7n 8 | 1s33 | 10s32 | 2n13 | 16s15 | 0n24 | 18s35 | 0n28 | 6s 2 | 14n37 | 0n36 | 1n11 | 8s10 | 3s 9 | 3s57 |

Julian Day Number = 2810851.5, Delta T = 53m07s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°30'41, Lahiri = 37°37'41


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# ASTRODIENST EPHEMERIS for the year 2983
# geocentric

## NOVEMBER 2983 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 42 20 | 8♏44'42 | 7♑47 | 8♏34 | 26♏48 | 17°R41 | 22°R 0 | 3♏40 | 16♏24 | 4♒30 | 1♐42 | 28°R23 | 26♍58 | 3♓54 | 28♍54 | S 1 |
| S 2 | 2 46 16 | 9°44'11 | 20°15 | 10°15 | 28° 2 | 17♉22 | 21♈52 | 3°48 | 16°27 | 4°30 | 1°44 | 28♍19 | 26°55 | 4° 0 | 29° 1 | S 2 |
| M 3 | 2 50 13 | 10°43'42 | 2♒26 | 11°56 | 29°17 | 17° 2 | 21°45 | 3°55 | 16°31 | 4°31 | 1°47 | 28°17 | 26°52 | 4° 7 | 29° 9 | M 3 |
| T 4 | 2 54 9 | 11°43'15 | 14°24 | 13°36 | 0♐31 | 16°43 | 21°38 | 4° 2 | 16°35 | 4°31 | 1°49 | 28°D17 | 26°49 | 4°14 | 29°16 | T 4 |
| W 5 | 2 58 6 | 12°42'49 | 26°15 | 15°15 | 1°45 | 16°23 | 21°31 | 4°10 | 16°39 | 4°32 | 1°51 | 28°18 | 26°46 | 4°20 | 29°23 | W 5 |
| T 6 | 3 2 2 | 13°42'25 | 8♓ 3 | 16°54 | 3° 0 | 16° 3 | 21°24 | 4°17 | 16°42 | 4°33 | 1°54 | 28°19 | 26°42 | 4°27 | 29°30 | T 6 |
| F 7 | 3 5 59 | 14°42'02 | 19°55 | 18°33 | 4°14 | 15°43 | 21°17 | 4°24 | 16°46 | 4°33 | 1°56 | 28°20 | 26°39 | 4°34 | 29°36 | F 7 |
| S 8 | 3 9 55 | 15°41'41 | 1♈54 | 20°10 | 5°29 | 15°24 | 21°11 | 4°32 | 16°50 | 4°34 | 1°58 | 28°R21 | 26°36 | 4°40 | 29°43 | S 8 |
| S 9 | 3 13 52 | 16°41'22 | 14° 4 | 21°47 | 6°43 | 15° 4 | 21° 4 | 4°39 | 16°54 | 4°35 | 2° 1 | 28°19 | 26°33 | 4°47 | 29°50 | S 9 |
| M10 | 3 17 49 | 17°41'05 | 26°29 | 23°24 | 7°58 | 14°45 | 20°58 | 4°46 | 16°58 | 4°36 | 2° 3 | 28°16 | 26°30 | 4°54 | 29°57 | M10 |
| T 11 | 3 21 45 | 18°40'50 | 9♉11 | 25° 0 | 9°12 | 14°26 | 20°51 | 4°53 | 17° 1 | 4°36 | 2° 5 | 28°10 | 26°26 | 5° 0 | 0♎ 3 | T 11 |
| W12 | 3 25 42 | 19°40'36 | 22° 9 | 26°35 | 10°27 | 14° 7 | 20°45 | 5° 1 | 17° 5 | 4°37 | 2° 8 | 28° 2 | 26°23 | 5° 7 | 0°10 | W12 |
| T 13 | 3 29 38 | 20°40'25 | 5♊23 | 28°10 | 11°41 | 13°49 | 20°39 | 5° 8 | 17° 9 | 4°38 | 2°10 | 27°53 | 26°20 | 5°13 | 0°16 | T 13 |
| F 14 | 3 33 35 | 21°40'15 | 18°52 | 29°45 | 12°55 | 13°30 | 20°34 | 5°15 | 17°13 | 4°39 | 2°12 | 27°43 | 26°17 | 5°20 | 0°23 | F 14 |
| S 15 | 3 37 31 | 22°40'08 | 2♋33 | 1♐19 | 14°10 | 13°13 | 20°28 | 5°22 | 17°16 | 4°40 | 2°15 | 27°35 | 26°14 | 5°27 | 0°29 | S 15 |
| S 16 | 3 41 28 | 23°40'02 | 16°23 | 2°52 | 15°24 | 12°55 | 20°22 | 5°29 | 17°20 | 4°41 | 2°17 | 27°28 | 26°11 | 5°33 | 0°36 | S 16 |
| M17 | 3 45 24 | 24°39'59 | 0♌20 | 4°25 | 16°39 | 12°39 | 20°17 | 5°36 | 17°24 | 4°42 | 2°20 | 27°23 | 26° 7 | 5°40 | 0°42 | M17 |
| T 18 | 3 49 21 | 25°39'58 | 14°22 | 5°58 | 17°53 | 12°22 | 20°12 | 5°43 | 17°28 | 4°43 | 2°22 | 27°20 | 26° 4 | 5°47 | 0°48 | T 18 |
| W19 | 3 53 18 | 26°39'59 | 28°27 | 7°30 | 19° 8 | 12° 7 | 20° 7 | 5°51 | 17°31 | 4°44 | 2°24 | 27°D20 | 26° 1 | 5°53 | 0°54 | W19 |
| T 20 | 3 57 14 | 27°40'02 | 12♍35 | 9° 2 | 20°22 | 11°51 | 20° 2 | 5°58 | 17°35 | 4°45 | 2°27 | 27°20 | 25°58 | 6° 0 | 1° 0 | T 20 |
| F 21 | 4 1 11 | 28°40'07 | 26°43 | 10°34 | 21°36 | 11°37 | 19°57 | 6° 5 | 17°39 | 4°47 | 2°29 | 27°R21 | 25°55 | 6° 7 | 1° 6 | F 21 |
| S 22 | 4 5 7 | 29°40'14 | 10♎52 | 12° 5 | 22°51 | 11°23 | 19°53 | 6°12 | 17°43 | 4°48 | 2°32 | 27°20 | 25°51 | 6°13 | 1°12 | S 22 |
| S 23 | 4 9 4 | 0♐40'23 | 24°58 | 13°35 | 24° 5 | 11°10 | 19°48 | 6°19 | 17°46 | 4°49 | 2°34 | 27°17 | 25°48 | 6°20 | 1°18 | S 23 |
| M24 | 4 13 0 | 1°40'34 | 8♏58 | 15° 5 | 25°20 | 10°57 | 19°44 | 6°25 | 17°50 | 4°50 | 2°36 | 27°11 | 25°45 | 6°27 | 1°24 | M24 |
| T 25 | 4 16 57 | 2°40'47 | 22°50 | 16°35 | 26°34 | 10°45 | 19°40 | 6°32 | 17°54 | 4°51 | 2°39 | 27° 3 | 25°42 | 6°33 | 1°29 | T 25 |
| W26 | 4 20 53 | 3°41'02 | 6♐28 | 18° 5 | 27°48 | 10°34 | 19°37 | 6°39 | 17°57 | 4°53 | 2°41 | 26°52 | 25°39 | 6°40 | 1°35 | W26 |
| T 27 | 4 24 50 | 4°41'19 | 19°51 | 19°34 | 29° 3 | 10°24 | 19°33 | 6°46 | 18° 1 | 4°54 | 2°44 | 26°40 | 25°36 | 6°47 | 1°40 | T 27 |
| F 28 | 4 28 47 | 5°41'37 | 2♑55 | 21° 2 | 0♑17 | 10°15 | 19°30 | 6°53 | 18° 5 | 4°55 | 2°46 | 26°28 | 25°32 | 6°53 | 1°46 | F 28 |
| S 29 | 4 32 43 | 6°41'56 | 15°39 | 22°30 | 1°32 | 10° 6 | 19°26 | 7° 0 | 18° 8 | 4°57 | 2°49 | 26°17 | 25°29 | 7° 0 | 1°51 | S 29 |
| S 30 | 4 36 40 | 7♐42'17 | 28♑ 5 | 23♐58 | 2♑46 | 9♉58 | 19♈23 | 7♏ 6 | 18♏12 | 4♒58 | 2♐51 | 26♍ 8 | 25♍26 | 7♓ 7 | 1♎56 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s20 | 17s59 | 5n 6 | 13s32 | 0n47 | 19s14 | 0n 6 | 15n25 | 1s40 | 7n 5 | 1s33 | 10s35 | 2n13 | 16s16 | 0n24 | 18s35 | 0n28 | 6s 3 | 14n37 | 0n38 | 1n12 | 8s 8 | 3s12 | 3s57 |
| S 2 | 14 39 | 17 2 | 4 48 | 14 11 | 0 40 | 19 34 | 0 3 | 15 23 | 1 36 | 7 3 | 1 33 | 10 37 | 2 13 | 16 17 | 0 24 | 18 35 | 0 28 | 6 3 | 14 37 | 0 40 | 1 13 | 8 7 | 3 15 | 3 58 |
| M 3 | 14 58 | 15 20 | 4 17 | 14 48 | 0 34 | 19 53 | 0 1 | 15 21 | 1 33 | 7 0 | 1 33 | 10 40 | 2 13 | 16 18 | 0 24 | 18 34 | 0 28 | 6 4 | 14 37 | 0 41 | 1 14 | 8 5 | 3 18 | 3 58 |
| T 4 | 15 16 | 12 59 | 3 36 | 15 24 | 0 27 | 20 11 | 0s 2 | 15 19 | 1 29 | 6 57 | 1 32 | 10 42 | 2 13 | 16 19 | 0 24 | 18 34 | 0 28 | 6 5 | 14 36 | 0 41 | 1 16 | 8 4 | 3 21 | 3 58 |
| W 5 | 15 34 | 10 6 | 2 45 | 16 0 | 0 20 | 20 29 | 0 5 | 15 17 | 1 25 | 6 55 | 1 32 | 10 45 | 2 13 | 16 20 | 0 24 | 18 34 | 0 28 | 6 5 | 14 36 | 0 41 | 1 17 | 8 2 | 3 23 | 3 58 |
| T 6 | 15 52 | 6 50 | 1 48 | 16 35 | 0 13 | 20 46 | 0 7 | 15 15 | 1 21 | 6 53 | 1 32 | 10 47 | 2 13 | 16 21 | 0 24 | 18 34 | 0 28 | 6 6 | 14 36 | 0 40 | 1 18 | 8 0 | 3 26 | 3 58 |
| F 7 | 16 10 | 3 16 | 0 46 | 17 9 | 0 7 | 21 2 | 0 10 | 15 13 | 1 17 | 6 50 | 1 32 | 10 49 | 2 13 | 16 22 | 0 24 | 18 34 | 0 28 | 6 7 | 14 36 | 0 39 | 1 19 | 7 59 | 3 29 | 3 58 |
| S 8 | 16 27 | 0n27 | 0s19 | 17 42 | 0s 0 | 21 18 | 0 12 | 15 12 | 1 13 | 6 48 | 1 32 | 10 52 | 2 13 | 16 23 | 0 24 | 18 34 | 0 28 | 6 7 | 14 36 | 0 39 | 1 21 | 7 57 | 3 32 | 3 58 |
| S 9 | 16 44 | 4 14 | 1 24 | 18 14 | 0 7 | 21 34 | 0 15 | 15 10 | 1 9 | 6 46 | 1 32 | 10 54 | 2 13 | 16 25 | 0 24 | 18 34 | 0 28 | 6 8 | 14 35 | 0 40 | 1 22 | 7 55 | 3 34 | 3 58 |
| M10 | 17 1 | 7 54 | 2 26 | 18 45 | 0 14 | 21 48 | 0 18 | 15 8 | 1 6 | 6 43 | 1 31 | 10 57 | 2 14 | 16 26 | 0 24 | 18 33 | 0 28 | 6 8 | 14 35 | 0 41 | 1 23 | 7 54 | 3 37 | 3 58 |
| T 11 | 17 17 | 11 17 | 3 22 | 19 15 | 0 21 | 22 3 | 0 20 | 15 6 | 1 2 | 6 41 | 1 31 | 10 59 | 2 14 | 16 27 | 0 24 | 18 33 | 0 28 | 6 9 | 14 35 | 0 44 | 1 24 | 7 52 | 3 40 | 3 58 |
| W12 | 17 34 | 14 12 | 4 8 | 19 44 | 0 28 | 22 16 | 0 23 | 15 4 | 0 58 | 6 39 | 1 31 | 11 1 | 2 14 | 16 28 | 0 24 | 18 33 | 0 28 | 6 10 | 14 35 | 0 47 | 1 26 | 7 51 | 3 42 | 3 58 |
| T 13 | 17 49 | 16 27 | 4 43 | 20 12 | 0 34 | 22 29 | 0 25 | 15 2 | 0 54 | 6 37 | 1 31 | 11 4 | 2 14 | 16 29 | 0 24 | 18 33 | 0 28 | 6 10 | 14 35 | 0 50 | 1 27 | 7 49 | 3 45 | 3 58 |
| F 14 | 18 5 | 17 50 | 5 2 | 20 39 | 0 41 | 22 41 | 0 28 | 15 1 | 0 50 | 6 35 | 1 31 | 11 6 | 2 14 | 16 30 | 0 24 | 18 33 | 0 28 | 6 11 | 14 35 | 0 54 | 1 28 | 7 47 | 3 48 | 3 58 |
| S 15 | 18 20 | 18 13 | 5 5 | 21 5 | 0 47 | 22 53 | 0 31 | 14 59 | 0 46 | 6 33 | 1 30 | 11 8 | 2 14 | 16 31 | 0 24 | 18 33 | 0 28 | 6 11 | 14 34 | 0 57 | 1 29 | 7 46 | 3 50 | 3 58 |
| S 16 | 18 35 | 17 31 | 4 49 | 21 30 | 0 54 | 23 4 | 0 33 | 14 58 | 0 42 | 6 31 | 1 30 | 11 10 | 2 14 | 16 32 | 0 24 | 18 32 | 0 28 | 6 12 | 14 34 | 1 0 | 1 31 | 7 44 | 3 53 | 3 58 |
| M17 | 18 50 | 15 47 | 4 17 | 21 54 | 1 0 | 23 14 | 0 36 | 14 56 | 0 38 | 6 30 | 1 30 | 11 13 | 2 14 | 16 33 | 0 24 | 18 32 | 0 28 | 6 12 | 14 34 | 1 2 | 1 32 | 7 42 | 3 55 | 3 58 |
| T 18 | 19 4 | 13 6 | 3 29 | 22 17 | 1 7 | 23 24 | 0 38 | 14 55 | 0 35 | 6 28 | 1 30 | 11 15 | 2 14 | 16 34 | 0 24 | 18 32 | 0 28 | 6 13 | 14 34 | 1 3 | 1 33 | 7 41 | 3 58 | 3 58 |
| W19 | 19 18 | 9 38 | 2 28 | 22 38 | 1 13 | 23 33 | 0 41 | 14 54 | 0 31 | 6 26 | 1 30 | 11 17 | 2 14 | 16 35 | 0 24 | 18 32 | 0 28 | 6 13 | 14 34 | 1 3 | 1 34 | 7 39 | 4 0 | 3 59 |
| T 20 | 19 32 | 5 36 | 1 18 | 22 59 | 1 19 | 23 41 | 0 43 | 14 53 | 0 27 | 6 25 | 1 29 | 11 19 | 2 14 | 16 36 | 0 24 | 18 31 | 0 28 | 6 14 | 14 34 | 1 3 | 1 36 | 7 37 | 4 3 | 3 59 |
| F 21 | 19 45 | 1 15 | 0 3 | 23 18 | 1 25 | 23 48 | 0 46 | 14 52 | 0 23 | 6 23 | 1 29 | 11 22 | 2 14 | 16 37 | 0 24 | 18 31 | 0 28 | 6 15 | 14 34 | 1 3 | 1 37 | 7 36 | 4 5 | 3 59 |
| S 22 | 19 58 | 3s11 | 1n12 | 23 36 | 1 30 | 23 55 | 0 48 | 14 51 | 0 20 | 6 22 | 1 29 | 11 24 | 2 14 | 16 38 | 0 24 | 18 31 | 0 28 | 6 15 | 14 34 | 1 3 | 1 38 | 7 34 | 4 8 | 3 59 |
| S 23 | 20 11 | 7 25 | 2 22 | 23 54 | 1 36 | 24 1 | 0 51 | 14 50 | 0 16 | 6 20 | 1 29 | 11 26 | 2 14 | 16 39 | 0 24 | 18 31 | 0 28 | 6 16 | 14 34 | 1 5 | 1 40 | 7 32 | 4 10 | 3 59 |
| M24 | 20 23 | 11 12 | 3 23 | 24 9 | 1 41 | 24 7 | 0 53 | 14 50 | 0 13 | 6 19 | 1 28 | 11 28 | 2 15 | 16 40 | 0 24 | 18 30 | 0 28 | 6 16 | 14 34 | 1 7 | 1 41 | 7 31 | 4 13 | 3 59 |
| T 25 | 20 35 | 14 20 | 4 11 | 24 24 | 1 46 | 24 12 | 0 56 | 14 50 | 0 9 | 6 18 | 1 28 | 11 30 | 2 15 | 16 41 | 0 24 | 18 30 | 0 28 | 6 16 | 14 34 | 1 10 | 1 42 | 7 29 | 4 15 | 3 59 |
| W26 | 20 46 | 16 37 | 4 44 | 24 38 | 1 51 | 24 15 | 0 58 | 14 49 | 0 6 | 6 16 | 1 28 | 11 32 | 2 15 | 16 42 | 0 24 | 18 30 | 0 28 | 6 17 | 14 34 | 1 14 | 1 43 | 7 27 | 4 17 | 3 59 |
| T 27 | 20 58 | 17 56 | 5 0 | 24 50 | 1 56 | 24 19 | 1 0 | 14 49 | 0 2 | 6 15 | 1 28 | 11 35 | 2 15 | 16 43 | 0 24 | 18 29 | 0 28 | 6 17 | 14 33 | 1 19 | 1 45 | 7 26 | 4 20 | 3 59 |
| F 28 | 21 8 | 18 16 | 5 1 | 25 1 | 2 1 | 24 21 | 1 3 | 14 50 | 0n 1 | 6 14 | 1 27 | 11 37 | 2 15 | 16 44 | 0 24 | 18 29 | 0 28 | 6 18 | 14 33 | 1 24 | 1 46 | 7 24 | 4 22 | 4 0 |
| S 29 | 21 19 | 17 40 | 4 46 | 25 10 | 2 5 | 24 23 | 1 5 | 14 50 | 0 4 | 6 13 | 1 27 | 11 39 | 2 15 | 16 45 | 0 24 | 18 29 | 0 27 | 6 18 | 14 33 | 1 28 | 1 47 | 7 22 | 4 24 | 4 0 |
| S 30 | 21s29 | 16s14 | 4n17 | 25s19 | 2s 9 | 24s24 | 1s 7 | 14n51 | 0n 7 | 6n12 | 1s27 | 11s41 | 2n15 | 16s46 | 0n24 | 18s29 | 0n27 | 6s19 | 14n33 | 1n32 | 1n48 | 7s21 | 4s26 | 4s 0 |

Julian Day Number = 2810882.5, Delta T = 53m08s
Ecliptic obliquity = 23°18'33, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°30'45, Lahiri = 37°37'45


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# ASTRODIENST EPHEMERIS for the year 2983
# geocentric

## DECEMBER 2983 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 4 40 36 | 8♐42'40 | 10♒16 | 25♐25 | 4♑ 0 | 9°R51 | 19°R21 | 7♏13 | 18♏16 | 5♒ 0 | 2♐53 | 26°R 2 | 25♍23 | 7♓13 | 2♎ 1 | M 1 |
| T 2 | 4 44 33 | 9°43'04 | 22°13 | 26°51 | 5°15 | 9♑45 | 19♈18 | 7°20 | 18°19 | 5° 1 | 2°56 | 25♍59 | 25°20 | 7°20 | 2° 6 | T 2 |
| W 3 | 4 48 29 | 10°43'29 | 4♓ 4 | 28°17 | 6°29 | 9°39 | 19°16 | 7°26 | 18°23 | 5° 3 | 2°58 | 25°57 | 25°17 | 7°27 | 2°11 | W 3 |
| T 4 | 4 52 26 | 11°43'55 | 15°52 | 29°43 | 7°43 | 9°35 | 19°14 | 7°33 | 18°26 | 5° 4 | 3° 1 | 25°D57 | 25°13 | 7°33 | 2°16 | T 4 |
| F 5 | 4 56 22 | 12°44'23 | 27°43 | 1♑ 7 | 8°58 | 9°31 | 19°12 | 7°39 | 18°30 | 5° 6 | 3° 3 | 25°R57 | 25°10 | 7°40 | 2°21 | F 5 |
| S 6 | 5 0 19 | 13°44'52 | 9♈43 | 2°31 | 10°12 | 9°28 | 19°10 | 7°46 | 18°33 | 5° 7 | 3° 5 | 25°56 | 25° 7 | 7°46 | 2°26 | S 6 |
| S 7 | 5 4 16 | 14°45'22 | 21°56 | 3°53 | 11°26 | 9°26 | 19° 8 | 7°52 | 18°37 | 5° 9 | 3° 8 | 25°54 | 25° 4 | 7°53 | 2°30 | S 7 |
| M 8 | 5 8 12 | 15°45'53 | 4♉28 | 5°15 | 12°41 | 9°24 | 19° 7 | 7°58 | 18°40 | 5°10 | 3°10 | 25°49 | 25° 1 | 8° 0 | 2°35 | M 8 |
| T 9 | 5 12 9 | 16°46'26 | 17°21 | 6°36 | 13°55 | 9°D24 | 19° 6 | 8° 5 | 18°44 | 5°12 | 3°13 | 25°41 | 24°57 | 8° 6 | 2°39 | T 9 |
| W10 | 5 16 5 | 17°47'00 | 0♊36 | 7°55 | 15° 9 | 9°24 | 19° 5 | 8°11 | 18°47 | 5°14 | 3°15 | 25°30 | 24°54 | 8°13 | 2°44 | W10 |
| T 11 | 5 20 2 | 18°47'35 | 14°12 | 9°12 | 16°23 | 9°25 | 19° 4 | 8°17 | 18°51 | 5°15 | 3°17 | 25°18 | 24°51 | 8°20 | 2°48 | T 11 |
| F 12 | 5 23 58 | 19°48'12 | 28° 7 | 10°28 | 17°38 | 9°27 | 19° 4 | 8°23 | 18°54 | 5°17 | 3°20 | 25° 5 | 24°48 | 8°26 | 2°52 | F 12 |
| S 13 | 5 27 55 | 20°48'50 | 12♋15 | 11°42 | 18°52 | 9°29 | 19° 3 | 8°30 | 18°58 | 5°19 | 3°22 | 24°53 | 24°45 | 8°33 | 2°56 | S 13 |
| S 14 | 5 31 52 | 21°49'29 | 26°33 | 12°54 | 20° 6 | 9°33 | 19°D 3 | 8°36 | 19° 1 | 5°21 | 3°24 | 24°43 | 24°42 | 8°40 | 3° 0 | S 14 |
| M15 | 5 35 48 | 22°50'10 | 10♌53 | 14° 2 | 21°20 | 9°37 | 19° 3 | 8°42 | 19° 4 | 5°22 | 3°27 | 24°36 | 24°38 | 8°46 | 3° 4 | M15 |
| T 16 | 5 39 45 | 23°50'52 | 25°12 | 15° 8 | 22°35 | 9°42 | 19° 3 | 8°47 | 19° 7 | 5°24 | 3°29 | 24°31 | 24°35 | 8°53 | 3° 7 | T 16 |
| W17 | 5 43 41 | 24°51'36 | 9♍26 | 16°11 | 23°49 | 9°47 | 19° 4 | 8°53 | 19°11 | 5°26 | 3°31 | 24°29 | 24°32 | 9° 0 | 3°11 | W17 |
| T 18 | 5 47 38 | 25°52'21 | 23°33 | 17° 9 | 25° 3 | 9°54 | 19° 5 | 8°59 | 19°14 | 5°28 | 3°33 | 24°29 | 24°29 | 9° 6 | 3°15 | T 18 |
| F 19 | 5 51 34 | 26°53'08 | 7♎32 | 18° 3 | 26°17 | 10° 1 | 19° 6 | 9° 5 | 19°17 | 5°30 | 3°36 | 24°29 | 24°26 | 9°13 | 3°18 | F 19 |
| S 20 | 5 55 31 | 27°53'56 | 21°23 | 18°52 | 27°31 | 10° 9 | 19° 7 | 9°11 | 19°20 | 5°32 | 3°38 | 24°28 | 24°23 | 9°20 | 3°21 | S 20 |
| S 21 | 5 59 27 | 28°54'46 | 5♏ 7 | 19°35 | 28°45 | 10°17 | 19° 8 | 9°16 | 19°24 | 5°33 | 3°40 | 24°24 | 24°19 | 9°26 | 3°25 | S 21 |
| M22 | 6 3 24 | 29°55'36 | 18°42 | 20°12 | 29°59 | 10°26 | 19°10 | 9°22 | 19°27 | 5°35 | 3°42 | 24°17 | 24°16 | 9°33 | 3°28 | M22 |
| T 23 | 6 7 21 | 0♑56'29 | 2♐ 8 | 20°41 | 1♒14 | 10°36 | 19°11 | 9°27 | 19°30 | 5°37 | 3°45 | 24° 7 | 24°13 | 9°40 | 3°31 | T 23 |
| W24 | 6 11 17 | 1°57'22 | 15°22 | 21° 1 | 2°28 | 10°46 | 19°13 | 9°33 | 19°33 | 5°39 | 3°47 | 23°55 | 24°10 | 9°46 | 3°34 | W24 |
| T 25 | 6 15 14 | 2°58'16 | 28°25 | 21°13 | 3°42 | 10°57 | 19°16 | 9°38 | 19°36 | 5°41 | 3°49 | 23°42 | 24° 7 | 9°53 | 3°36 | T 25 |
| F 26 | 6 19 10 | 3°59'12 | 11♑13 | 21°R15 | 4°56 | 11° 9 | 19°18 | 9°43 | 19°39 | 5°43 | 3°51 | 23°28 | 24° 3 | 10° 0 | 3°39 | F 26 |
| S 27 | 6 23 7 | 5° 0'08 | 23°46 | 21° 6 | 6°10 | 11°21 | 19°20 | 9°49 | 19°42 | 5°45 | 3°53 | 23°15 | 24° 0 | 10° 6 | 3°42 | S 27 |
| S 28 | 6 27 3 | 6° 1'05 | 6♒ 5 | 20°45 | 7°24 | 11°34 | 19°23 | 9°54 | 19°45 | 5°47 | 3°56 | 23° 5 | 23°57 | 10°13 | 3°44 | S 28 |
| M29 | 6 31 0 | 7° 2'03 | 18°11 | 20°14 | 8°38 | 11°48 | 19°26 | 9°59 | 19°47 | 5°49 | 3°58 | 22°57 | 23°54 | 10°19 | 3°46 | M29 |
| T 30 | 6 34 56 | 8° 3'01 | 0♓ 7 | 19°30 | 9°52 | 12° 2 | 19°29 | 10° 4 | 19°50 | 5°51 | 4° 0 | 22°52 | 23°51 | 10°26 | 3°49 | T 30 |
| W31 | 6 38 53 | 9♑ 4'00 | 11♓55 | 18♑36 | 11♒ 6 | 12♑17 | 19♈33 | 10♏ 9 | 19♏53 | 5♒53 | 4♐ 2 | 22♍49 | 23♍48 | 10♓33 | 3♎51 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21s38 | 14s 5 | 3n38 | 25s26 | 2s12 | 24s24 | 1s 9 | 14n51 | 0n11 | 6n12 | 1s27 | 11s43 | 2n15 | 16s47 | 0n24 | 18s28 | 0n27 | 6s19 | 14n33 | 1n34 | 1n50 | 7s19 | 4s28 | 4s 0 |
| T 2 | 21 47 | 11 21 | 2 49 | 25 32 | 2 16 | 24 24 | 1 12 | 14 52 | 0 14 | 6 11 | 1 26 | 11 45 | 2 15 | 16 48 | 0 24 | 18 28 | 0 27 | 6 20 | 14 33 | 1 35 | 1 51 | 7 17 | 4 31 | 4 0 |
| W 3 | 21 56 | 8 12 | 1 54 | 25 37 | 2 19 | 24 23 | 1 14 | 14 53 | 0 17 | 6 10 | 1 26 | 11 47 | 2 15 | 16 49 | 0 24 | 18 28 | 0 27 | 6 20 | 14 33 | 1 36 | 1 52 | 7 16 | 4 33 | 4 0 |
| T 4 | 22 4 | 4 44 | 0 53 | 25 40 | 2 22 | 24 21 | 1 16 | 14 55 | 0 20 | 6 10 | 1 26 | 11 49 | 2 16 | 16 50 | 0 24 | 18 27 | 0 27 | 6 20 | 14 33 | 1 36 | 1 53 | 7 14 | 4 35 | 4 0 |
| F 5 | 22 12 | 1 3 | 0s 9 | 25 42 | 2 24 | 24 18 | 1 18 | 14 56 | 0 22 | 6 9 | 1 26 | 11 51 | 2 16 | 16 51 | 0 24 | 18 27 | 0 27 | 6 21 | 14 33 | 1 36 | 1 55 | 7 12 | 4 37 | 4 1 |
| S 6 | 22 20 | 2n43 | 1 12 | 25 43 | 2 26 | 24 15 | 1 20 | 14 58 | 0 25 | 6 9 | 1 25 | 11 53 | 2 16 | 16 52 | 0 24 | 18 27 | 0 27 | 6 21 | 14 34 | 1 36 | 1 56 | 7 11 | 4 39 | 4 1 |
| S 7 | 22 27 | 6 26 | 2 13 | 25 43 | 2 28 | 24 11 | 1 22 | 15 0 | 0 28 | 6 8 | 1 25 | 11 55 | 2 16 | 16 53 | 0 24 | 18 26 | 0 27 | 6 22 | 14 34 | 1 37 | 1 57 | 7 9 | 4 41 | 4 1 |
| M 8 | 22 33 | 9 58 | 3 9 | 25 41 | 2 29 | 24 6 | 1 24 | 15 2 | 0 31 | 6 8 | 1 25 | 11 57 | 2 16 | 16 54 | 0 24 | 18 26 | 0 27 | 6 22 | 14 34 | 1 39 | 1 58 | 7 7 | 4 43 | 4 1 |
| T 9 | 22 39 | 13 8 | 3 57 | 25 38 | 2 29 | 24 0 | 1 26 | 15 4 | 0 33 | 6 8 | 1 24 | 11 58 | 2 16 | 16 55 | 0 24 | 18 25 | 0 27 | 6 22 | 14 34 | 1 43 | 2 0 | 7 6 | 4 44 | 4 1 |
| W10 | 22 45 | 15 43 | 4 33 | 25 33 | 2 29 | 23 54 | 1 27 | 15 7 | 0 36 | 6 8 | 1 24 | 12 0 | 2 16 | 16 56 | 0 24 | 18 25 | 0 27 | 6 23 | 14 34 | 1 47 | 2 1 | 7 4 | 4 46 | 4 1 |
| T 11 | 22 50 | 17 30 | 4 55 | 25 28 | 2 29 | 23 47 | 1 29 | 15 9 | 0 38 | 6 8 | 1 24 | 12 2 | 2 17 | 16 57 | 0 24 | 18 25 | 0 27 | 6 23 | 14 34 | 1 52 | 2 2 | 7 2 | 4 48 | 4 2 |
| F 12 | 22 55 | 18 18 | 5 0 | 25 21 | 2 28 | 23 39 | 1 31 | 15 12 | 0 41 | 6 8 | 1 24 | 12 4 | 2 17 | 16 58 | 0 24 | 18 24 | 0 27 | 6 23 | 14 34 | 1 57 | 2 3 | 7 1 | 4 50 | 4 2 |
| S 13 | 23 0 | 17 59 | 4 47 | 25 13 | 2 26 | 23 31 | 1 33 | 15 15 | 0 43 | 6 8 | 1 23 | 12 6 | 2 17 | 16 59 | 0 24 | 18 24 | 0 27 | 6 24 | 14 34 | 2 1 | 2 5 | 6 59 | 4 52 | 4 2 |
| S 14 | 23 4 | 16 32 | 4 16 | 25 4 | 2 24 | 23 22 | 1 34 | 15 19 | 0 45 | 6 8 | 1 23 | 12 7 | 2 17 | 17 0 | 0 24 | 18 23 | 0 27 | 6 24 | 14 34 | 2 5 | 2 6 | 6 57 | 4 53 | 4 2 |
| M15 | 23 7 | 14 3 | 3 29 | 24 54 | 2 20 | 23 12 | 1 36 | 15 22 | 0 48 | 6 9 | 1 23 | 12 9 | 2 17 | 17 1 | 0 24 | 18 23 | 0 27 | 6 24 | 14 34 | 2 8 | 2 7 | 6 56 | 4 55 | 4 2 |
| T 16 | 23 10 | 10 43 | 2 28 | 24 43 | 2 16 | 23 2 | 1 37 | 15 26 | 0 50 | 6 9 | 1 22 | 12 11 | 2 17 | 17 2 | 0 24 | 18 23 | 0 27 | 6 25 | 14 34 | 2 10 | 2 8 | 6 54 | 4 57 | 4 2 |
| W17 | 23 13 | 6 46 | 1 19 | 24 31 | 2 12 | 22 50 | 1 39 | 15 29 | 0 52 | 6 9 | 1 22 | 12 13 | 2 17 | 17 2 | 0 24 | 18 22 | 0 27 | 6 25 | 14 34 | 2 11 | 2 10 | 6 52 | 4 58 | 4 3 |
| T 18 | 23 15 | 2 28 | 0 5 | 24 18 | 2 6 | 22 39 | 1 40 | 15 33 | 0 54 | 6 10 | 1 22 | 12 14 | 2 18 | 17 3 | 0 24 | 18 22 | 0 27 | 6 25 | 14 35 | 2 11 | 2 11 | 6 51 | 5 0 | 4 3 |
| F 19 | 23 16 | 1s55 | 1n 8 | 24 4 | 1 59 | 22 26 | 1 41 | 15 37 | 0 56 | 6 11 | 1 22 | 12 16 | 2 18 | 17 4 | 0 24 | 18 21 | 0 27 | 6 25 | 14 35 | 2 11 | 2 12 | 6 49 | 5 1 | 4 3 |
| S 20 | 23 18 | 6 11 | 2 17 | 23 50 | 1 51 | 22 13 | 1 42 | 15 42 | 0 58 | 6 11 | 1 21 | 12 18 | 2 18 | 17 5 | 0 24 | 18 21 | 0 27 | 6 26 | 14 35 | 2 11 | 2 13 | 6 47 | 5 3 | 4 3 |
| S 21 | 23 18 | 10 3 | 3 17 | 23 35 | 1 42 | 21 59 | 1 43 | 15 46 | 1 0 | 6 12 | 1 21 | 12 19 | 2 18 | 17 6 | 0 24 | 18 20 | 0 27 | 6 26 | 14 35 | 2 13 | 2 15 | 6 46 | 5 4 | 4 3 |
| M22 | 23 19 | 13 22 | 4 5 | 23 19 | 1 32 | 21 45 | 1 45 | 15 51 | 1 1 | 6 13 | 1 21 | 12 21 | 2 18 | 17 7 | 0 24 | 18 20 | 0 27 | 6 26 | 14 35 | 2 15 | 2 16 | 6 44 | 5 6 | 4 3 |
| T 23 | 23 18 | 15 55 | 4 39 | 23 4 | 1 21 | 21 30 | 1 46 | 15 55 | 1 3 | 6 14 | 1 20 | 12 22 | 2 18 | 17 8 | 0 24 | 18 20 | 0 27 | 6 26 | 14 35 | 2 19 | 2 17 | 6 42 | 5 7 | 4 4 |
| W24 | 23 18 | 17 35 | 4 57 | 22 48 | 1 8 | 21 14 | 1 46 | 16 0 | 1 5 | 6 15 | 1 20 | 12 24 | 2 19 | 17 8 | 0 24 | 18 19 | 0 27 | 6 26 | 14 35 | 2 24 | 2 18 | 6 41 | 5 8 | 4 4 |
| T 25 | 23 17 | 18 19 | 4 59 | 22 32 | 0 54 | 20 58 | 1 47 | 16 5 | 1 7 | 6 16 | 1 20 | 12 25 | 2 19 | 17 9 | 0 24 | 18 19 | 0 27 | 6 27 | 14 36 | 2 29 | 2 20 | 6 39 | 5 10 | 4 4 |
| F 26 | 23 15 | 18 5 | 4 46 | 22 17 | 0 39 | 20 41 | 1 48 | 16 10 | 1 8 | 6 17 | 1 20 | 12 27 | 2 19 | 17 10 | 0 24 | 18 18 | 0 27 | 6 27 | 14 36 | 2 35 | 2 21 | 6 37 | 5 11 | 4 4 |
| S 27 | 23 13 | 16 58 | 4 20 | 22 2 | 0 22 | 20 23 | 1 49 | 16 16 | 1 10 | 6 18 | 1 19 | 12 28 | 2 19 | 17 11 | 0 24 | 18 18 | 0 27 | 6 27 | 14 36 | 2 40 | 2 22 | 6 35 | 5 12 | 4 4 |
| S 28 | 23 10 | 15 5 | 3 41 | 21 48 | 0 5 | 20 5 | 1 49 | 16 21 | 1 11 | 6 20 | 1 19 | 12 30 | 2 19 | 17 12 | 0 24 | 18 17 | 0 27 | 6 27 | 14 36 | 2 44 | 2 23 | 6 34 | 5 13 | 4 5 |
| M29 | 23 7 | 12 33 | 2 53 | 21 34 | 0n14 | 19 46 | 1 50 | 16 27 | 1 13 | 6 21 | 1 19 | 12 31 | 2 20 | 17 12 | 0 24 | 18 17 | 0 27 | 6 27 | 14 36 | 2 47 | 2 25 | 6 32 | 5 14 | 4 5 |
| T 30 | 23 4 | 9 32 | 1 58 | 21 21 | 0 33 | 19 27 | 1 50 | 16 32 | 1 14 | 6 22 | 1 18 | 12 33 | 2 20 | 17 13 | 0 24 | 18 16 | 0 27 | 6 27 | 14 37 | 2 49 | 2 26 | 6 30 | 5 15 | 4 5 |
| W31 | 23s 0 | 6s10 | 0n58 | 21s 9 | 0n53 | 19s 8 | 1s51 | 16n38 | 1n15 | 6n24 | 1s18 | 12s34 | 2n20 | 17s14 | 0n24 | 18s16 | 0n27 | 6s28 | 14n37 | 2n50 | 2n27 | 6s29 | 5s16 | 4s 5 |

Julian Day Number = 2810912.5, Delta T = 53m08s
Ecliptic obliquity = 23°18'33, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°30'49, Lahiri = 37°37'49


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# ASTRODIENST EPHEMERIS for the year 2984
# geocentric

## JANUARY 2984 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 42 50 | 10♑ 4'59 | 23♓42 | 17°R32 | 12♒20 | 12♉32 | 19♈36 | 10♏14 | 19♏56 | 5♒55 | 4♐ 4 | 22°D49 | 23♍44 | 10♓39 | 3♎53 | T 1 |
| F 2 | 6 46 46 | 11° 5'59 | 5♈31 | 16♑20 | 13°34 | 12°48 | 19°40 | 10°19 | 19°59 | 5°58 | 4° 6 | 22°R49 | 23°41 | 10°46 | 3°54 | F 2 |
| S 3 | 6 50 43 | 12° 6'59 | 17°29 | 15° 1 | 14°47 | 13° 4 | 19°44 | 10°23 | 20° 1 | 6° 0 | 4° 8 | 22♍49 | 23°38 | 10°53 | 3°56 | S 3 |
| S 4 | 6 54 39 | 13° 7'59 | 29°41 | 13°39 | 16° 1 | 13°21 | 19°48 | 10°28 | 20° 4 | 6° 2 | 4°10 | 22°48 | 23°35 | 10°59 | 3°58 | S 4 |
| M 5 | 6 58 36 | 14° 9'00 | 12♉13 | 12°16 | 17°15 | 13°38 | 19°53 | 10°33 | 20° 7 | 6° 4 | 4°12 | 22°44 | 23°32 | 11° 6 | 3°59 | M 5 |
| T 6 | 7 2 32 | 15°10'02 | 25° 7 | 10°55 | 18°29 | 13°56 | 19°57 | 10°37 | 20° 9 | 6° 6 | 4°14 | 22°38 | 23°29 | 11°13 | 4° 1 | T 6 |
| W 7 | 7 6 29 | 16°11'03 | 8♊28 | 9°39 | 19°42 | 14°14 | 20° 2 | 10°41 | 20°12 | 6° 8 | 4°16 | 22°30 | 23°25 | 11°19 | 4° 2 | W 7 |
| T 8 | 7 10 25 | 17°12'05 | 22°16 | 8°29 | 20°56 | 14°33 | 20° 7 | 10°46 | 20°14 | 6°10 | 4°18 | 22°19 | 23°22 | 11°26 | 4° 3 | T 8 |
| F 9 | 7 14 22 | 18°13'07 | 6♋28 | 7°28 | 22°10 | 14°52 | 20°12 | 10°50 | 20°17 | 6°13 | 4°20 | 22° 9 | 23°19 | 11°33 | 4° 4 | F 9 |
| S 10 | 7 18 19 | 19°14'10 | 20°59 | 6°37 | 23°23 | 15°12 | 20°17 | 10°54 | 20°19 | 6°15 | 4°22 | 21°58 | 23°16 | 11°39 | 4° 5 | S 10 |
| S 11 | 7 22 15 | 20°15'13 | 5♌42 | 5°56 | 24°37 | 15°32 | 20°22 | 10°58 | 20°21 | 6°17 | 4°23 | 21°50 | 23°13 | 11°46 | 4° 6 | S 11 |
| M12 | 7 26 12 | 21°16'16 | 20°30 | 5°26 | 25°50 | 15°53 | 20°28 | 11° 2 | 20°24 | 6°19 | 4°25 | 21°43 | 23° 9 | 11°53 | 4° 7 | M12 |
| T 13 | 7 30 8 | 22°17'20 | 5♍15 | 5° 6 | 27° 4 | 16°14 | 20°34 | 11° 6 | 20°26 | 6°21 | 4°27 | 21°40 | 23° 6 | 11°59 | 4° 7 | T 13 |
| W14 | 7 34 5 | 23°18'24 | 19°49 | 4°D56 | 28°17 | 16°35 | 20°40 | 11°10 | 20°28 | 6°24 | 4°29 | 21°D39 | 23° 3 | 12° 6 | 4° 8 | W14 |
| T 15 | 7 38 1 | 24°19'29 | 4♎10 | 4°57 | 29°31 | 16°57 | 20°46 | 11°14 | 20°30 | 6°26 | 4°31 | 21°39 | 23° 0 | 12°12 | 4° 8 | T 15 |
| F 16 | 7 41 58 | 25°20'35 | 18°15 | 5° 6 | 0♓44 | 17°19 | 20°52 | 11°17 | 20°32 | 6°28 | 4°32 | 21°40 | 22°57 | 12°19 | 4° 9 | F 16 |
| S 17 | 7 45 54 | 26°21'40 | 2♏ 4 | 5°23 | 1°57 | 17°41 | 20°59 | 11°21 | 20°35 | 6°30 | 4°34 | 21°R40 | 22°54 | 12°26 | 4° 9 | S 17 |
| S 18 | 7 49 51 | 27°22'47 | 15°37 | 5°48 | 3°11 | 18° 4 | 21° 5 | 11°24 | 20°37 | 6°33 | 4°36 | 21°38 | 22°50 | 12°32 | 4°R 9 | S 18 |
| M19 | 7 53 48 | 28°23'53 | 28°56 | 6°20 | 4°24 | 18°27 | 21°12 | 11°27 | 20°39 | 6°35 | 4°37 | 21°34 | 22°47 | 12°39 | 4° 9 | M19 |
| T 20 | 7 57 44 | 29°25'00 | 12♐ 1 | 6°57 | 5°37 | 18°51 | 21°19 | 11°31 | 20°40 | 6°37 | 4°39 | 21°28 | 22°44 | 12°46 | 4° 8 | T 20 |
| W21 | 8 1 41 | 0♒26'08 | 24°54 | 7°40 | 6°50 | 19°15 | 21°26 | 11°34 | 20°42 | 6°39 | 4°41 | 21°20 | 22°41 | 12°52 | 4° 8 | W21 |
| T 22 | 8 5 37 | 1°27'15 | 7♑34 | 8°28 | 8° 3 | 19°39 | 21°34 | 11°37 | 20°44 | 6°42 | 4°42 | 21°10 | 22°38 | 12°59 | 4° 7 | T 22 |
| F 23 | 8 9 34 | 2°28'23 | 20° 4 | 9°21 | 9°16 | 20° 3 | 21°41 | 11°40 | 20°46 | 6°44 | 4°44 | 21° 0 | 22°35 | 13° 6 | 4° 7 | F 23 |
| S 24 | 8 13 30 | 3°29'30 | 2♒22 | 10°17 | 10°29 | 20°28 | 21°49 | 11°43 | 20°48 | 6°46 | 4°45 | 20°51 | 22°31 | 13°12 | 4° 6 | S 24 |
| S 25 | 8 17 27 | 4°30'37 | 14°30 | 11°16 | 11°42 | 20°53 | 21°57 | 11°46 | 20°49 | 6°48 | 4°47 | 20°44 | 22°28 | 13°19 | 4° 5 | S 25 |
| M26 | 8 21 23 | 5°31'44 | 26°28 | 12°19 | 12°55 | 21°19 | 22° 4 | 11°48 | 20°51 | 6°51 | 4°48 | 20°39 | 22°25 | 13°26 | 4° 4 | M26 |
| T 27 | 8 25 20 | 6°32'51 | 8♓20 | 13°24 | 14° 7 | 21°44 | 22°13 | 11°51 | 20°53 | 6°53 | 4°49 | 20°35 | 22°22 | 13°32 | 4° 3 | T 27 |
| W28 | 8 29 17 | 7°33'57 | 20° 7 | 14°32 | 15°20 | 22°10 | 22°21 | 11°53 | 20°54 | 6°55 | 4°51 | 20°D35 | 22°19 | 13°39 | 4° 2 | W28 |
| T 29 | 8 33 13 | 8°35'03 | 1♈53 | 15°43 | 16°33 | 22°37 | 22°29 | 11°56 | 20°56 | 6°58 | 4°52 | 20°35 | 22°15 | 13°46 | 4° 1 | T 29 |
| F 30 | 8 37 10 | 9°36'08 | 13°41 | 16°55 | 17°45 | 23° 3 | 22°38 | 11°58 | 20°57 | 7° 0 | 4°54 | 20°37 | 22°12 | 13°52 | 4° 0 | F 30 |
| S 31 | 8 41 6 | 10♒37'13 | 25♈38 | 18♑ 9 | 18♓58 | 23♉30 | 22♈46 | 12♏ 0 | 20♏58 | 7♒ 2 | 4♐55 | 20♍38 | 22♍ 9 | 13♓59 | 3♎58 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s56 | 2s34 | 0s 5 | 20s57 | 1n13 | 18s47 | 1s51 | 16n44 | 1n17 | 6n26 | 1s18 | 12s35 | 2n20 | 17s14 | 0n24 | 18s15 | 0n27 | 6s28 | 14n37 | 2n50 | 2n28 | 6s27 | 5s17 | 4s 5 |
| F 2 | 22 51 | 1n 9 | 1 7 | 20 47 | 1 33 | 18 26 | 1 51 | 16 50 | 1 18 | 6 27 | 1 18 | 12 36 | 2 20 | 17 15 | 0 24 | 18 15 | 0 27 | 6 28 | 14 37 | 2 50 | 2 30 | 6 25 | 5 18 | 4 6 |
| S 3 | 22 46 | 4 52 | 2 7 | 20 38 | 1 51 | 18 5 | 1 51 | 16 56 | 1 19 | 6 29 | 1 17 | 12 38 | 2 21 | 17 16 | 0 24 | 18 14 | 0 27 | 6 28 | 14 38 | 2 50 | 2 31 | 6 24 | 5 19 | 4 6 |
| S 4 | 22 40 | 8 26 | 3 3 | 20 29 | 2 8 | 17 43 | 1 52 | 17 2 | 1 20 | 6 31 | 1 17 | 12 39 | 2 21 | 17 17 | 0 24 | 18 14 | 0 27 | 6 28 | 14 38 | 2 51 | 2 32 | 6 22 | 5 20 | 4 6 |
| M 5 | 22 34 | 11 44 | 3 52 | 20 22 | 2 24 | 17 21 | 1 52 | 17 9 | 1 22 | 6 33 | 1 17 | 12 40 | 2 21 | 17 17 | 0 24 | 18 13 | 0 27 | 6 28 | 14 38 | 2 52 | 2 33 | 6 20 | 5 21 | 4 6 |
| T 6 | 22 27 | 14 34 | 4 30 | 20 15 | 2 37 | 16 58 | 1 51 | 17 15 | 1 23 | 6 35 | 1 16 | 12 41 | 2 21 | 17 18 | 0 24 | 18 13 | 0 27 | 6 28 | 14 38 | 2 54 | 2 35 | 6 18 | 5 21 | 4 6 |
| W 7 | 22 20 | 16 45 | 4 55 | 20 10 | 2 48 | 16 35 | 1 51 | 17 21 | 1 24 | 6 37 | 1 16 | 12 43 | 2 21 | 17 19 | 0 24 | 18 12 | 0 27 | 6 28 | 14 39 | 2 58 | 2 36 | 6 17 | 5 22 | 4 6 |
| T 8 | 22 13 | 18 2 | 5 4 | 20 7 | 2 56 | 16 12 | 1 51 | 17 28 | 1 25 | 6 39 | 1 16 | 12 44 | 2 22 | 17 19 | 0 24 | 18 12 | 0 27 | 6 28 | 14 39 | 3 2 | 2 37 | 6 15 | 5 23 | 4 7 |
| F 9 | 22 5 | 18 15 | 4 54 | 20 5 | 3 2 | 15 48 | 1 51 | 17 35 | 1 26 | 6 41 | 1 16 | 12 45 | 2 22 | 17 20 | 0 24 | 18 11 | 0 27 | 6 28 | 14 39 | 3 6 | 2 38 | 6 13 | 5 23 | 4 7 |
| S 10 | 21 56 | 17 18 | 4 26 | 20 4 | 3 5 | 15 23 | 1 50 | 17 41 | 1 27 | 6 43 | 1 15 | 12 46 | 2 22 | 17 21 | 0 24 | 18 11 | 0 27 | 6 28 | 14 39 | 3 10 | 2 40 | 6 12 | 5 24 | 4 7 |
| S 11 | 21 47 | 15 11 | 3 40 | 20 4 | 3 6 | 14 58 | 1 50 | 17 48 | 1 28 | 6 45 | 1 15 | 12 47 | 2 22 | 17 21 | 0 24 | 18 10 | 0 27 | 6 28 | 14 40 | 3 13 | 2 41 | 6 10 | 5 24 | 4 7 |
| M12 | 21 38 | 12 4 | 2 39 | 20 6 | 3 6 | 14 33 | 1 49 | 17 55 | 1 29 | 6 48 | 1 15 | 12 48 | 2 22 | 17 22 | 0 24 | 18 10 | 0 27 | 6 28 | 14 40 | 3 16 | 2 42 | 6 8 | 5 25 | 4 7 |
| T 13 | 21 29 | 8 12 | 1 27 | 20 10 | 3 3 | 14 7 | 1 48 | 18 2 | 1 29 | 6 50 | 1 15 | 12 49 | 2 23 | 17 22 | 0 24 | 18 9 | 0 27 | 6 28 | 14 40 | 3 17 | 2 43 | 6 6 | 5 25 | 4 8 |
| W14 | 21 19 | 3 52 | 0 10 | 20 14 | 2 59 | 13 41 | 1 48 | 18 9 | 1 30 | 6 53 | 1 14 | 12 50 | 2 23 | 17 23 | 0 24 | 18 9 | 0 27 | 6 28 | 14 41 | 3 18 | 2 45 | 6 5 | 5 26 | 4 8 |
| T 15 | 21 8 | 0s38 | 1n 7 | 20 19 | 2 54 | 13 15 | 1 47 | 18 16 | 1 31 | 6 55 | 1 14 | 12 51 | 2 23 | 17 23 | 0 24 | 18 8 | 0 27 | 6 28 | 14 41 | 3 18 | 2 46 | 6 3 | 5 26 | 4 8 |
| F 16 | 20 57 | 5 0 | 2 18 | 20 25 | 2 48 | 12 48 | 1 46 | 18 23 | 1 32 | 6 58 | 1 14 | 12 52 | 2 23 | 17 24 | 0 24 | 18 7 | 0 27 | 6 28 | 14 41 | 3 17 | 2 47 | 6 1 | 5 26 | 4 8 |
| S 17 | 20 46 | 9 0 | 3 19 | 20 31 | 2 41 | 12 21 | 1 45 | 18 30 | 1 33 | 7 0 | 1 13 | 12 52 | 2 24 | 17 25 | 0 24 | 18 7 | 0 27 | 6 28 | 14 42 | 3 17 | 2 48 | 6 0 | 5 26 | 4 8 |
| S 18 | 20 34 | 12 27 | 4 9 | 20 38 | 2 33 | 11 54 | 1 43 | 18 37 | 1 33 | 7 3 | 1 13 | 12 53 | 2 24 | 17 25 | 0 24 | 18 6 | 0 27 | 6 28 | 14 42 | 3 18 | 2 50 | 5 58 | 5 26 | 4 8 |
| M19 | 20 22 | 15 12 | 4 43 | 20 45 | 2 25 | 11 26 | 1 42 | 18 44 | 1 34 | 7 6 | 1 13 | 12 54 | 2 24 | 17 26 | 0 24 | 18 6 | 0 27 | 6 28 | 14 42 | 3 20 | 2 51 | 5 56 | 5 27 | 4 9 |
| T 20 | 20 10 | 17 7 | 5 3 | 20 51 | 2 16 | 10 58 | 1 41 | 18 51 | 1 35 | 7 9 | 1 13 | 12 55 | 2 24 | 17 26 | 0 24 | 18 5 | 0 27 | 6 28 | 14 43 | 3 22 | 2 52 | 5 54 | 5 27 | 4 9 |
| W21 | 19 57 | 18 7 | 5 6 | 20 58 | 2 7 | 10 30 | 1 39 | 18 58 | 1 35 | 7 12 | 1 12 | 12 56 | 2 25 | 17 27 | 0 24 | 18 5 | 0 27 | 6 28 | 14 43 | 3 25 | 2 53 | 5 53 | 5 27 | 4 9 |
| T 22 | 19 44 | 18 12 | 4 54 | 21 4 | 1 58 | 10 1 | 1 38 | 19 5 | 1 36 | 7 15 | 1 12 | 12 56 | 2 25 | 17 27 | 0 24 | 18 4 | 0 27 | 6 28 | 14 43 | 3 29 | 2 55 | 5 51 | 5 27 | 4 9 |
| F 23 | 19 30 | 17 23 | 4 29 | 21 10 | 1 49 | 9 32 | 1 36 | 19 12 | 1 36 | 7 18 | 1 12 | 12 57 | 2 25 | 17 28 | 0 24 | 18 4 | 0 27 | 6 28 | 14 44 | 3 33 | 2 56 | 5 49 | 5 27 | 4 9 |
| S 24 | 19 16 | 15 47 | 3 51 | 21 16 | 1 39 | 9 3 | 1 35 | 19 20 | 1 37 | 7 21 | 1 12 | 12 58 | 2 25 | 17 28 | 0 24 | 18 3 | 0 27 | 6 28 | 14 44 | 3 36 | 2 57 | 5 48 | 5 26 | 4 9 |
| S 25 | 19 2 | 13 29 | 3 3 | 21 21 | 1 30 | 8 34 | 1 33 | 19 27 | 1 38 | 7 24 | 1 11 | 12 58 | 2 26 | 17 28 | 0 24 | 18 3 | 0 27 | 6 27 | 14 45 | 3 39 | 2 58 | 5 46 | 5 26 | 4 9 |
| M26 | 18 47 | 10 38 | 2 7 | 21 25 | 1 20 | 8 5 | 1 31 | 19 34 | 1 38 | 7 27 | 1 11 | 12 59 | 2 26 | 17 29 | 0 24 | 18 2 | 0 27 | 6 27 | 14 45 | 3 41 | 3 0 | 5 44 | 5 26 | 4 10 |
| T 27 | 18 32 | 7 23 | 1 6 | 21 28 | 1 11 | 7 35 | 1 29 | 19 41 | 1 39 | 7 30 | 1 11 | 12 59 | 2 26 | 17 29 | 0 24 | 18 1 | 0 27 | 6 27 | 14 45 | 3 43 | 3 1 | 5 42 | 5 26 | 4 10 |
| W28 | 18 17 | 3 51 | 0 3 | 21 30 | 1 1 | 7 5 | 1 27 | 19 48 | 1 39 | 7 33 | 1 11 | 13 0 | 2 26 | 17 30 | 0 24 | 18 1 | 0 26 | 6 27 | 14 46 | 3 43 | 3 2 | 5 41 | 5 25 | 4 10 |
| T 29 | 18 1 | 0 12 | 1s 1 | 21 32 | 0 52 | 6 35 | 1 25 | 19 56 | 1 39 | 7 37 | 1 11 | 13 0 | 2 27 | 17 30 | 0 24 | 18 0 | 0 26 | 6 27 | 14 46 | 3 43 | 3 3 | 5 39 | 5 25 | 4 10 |
| F 30 | 17 45 | 3n29 | 2 3 | 21 32 | 0 43 | 6 5 | 1 23 | 20 3 | 1 40 | 7 40 | 1 10 | 13 1 | 2 27 | 17 30 | 0 24 | 18 0 | 0 26 | 6 27 | 14 46 | 3 42 | 3 5 | 5 37 | 5 24 | 4 10 |
| S 31 | 17s29 | 7n 4 | 2s59 | 21s32 | 0n34 | 5s35 | 1s20 | 20n10 | 1n40 | 7n44 | 1s10 | 13s 1 | 2n27 | 17s31 | 0n24 | 17s59 | 0n26 | 6s27 | 14n47 | 3n41 | 3n 6 | 5s35 | 5s24 | 4s10 |

Julian Day Number = 2810943.5, Delta T = 53m09s
Ecliptic obliquity = 23°18'33, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°30'53, Lahiri = 37°37'54


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# ASTRODIENST EPHEMERIS for the year 2984
# geocentric

## FEBRUARY 2984 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 45 3 | 11♒38'17 | 7♉47 | 19♋24 | 20♓10 | 23♉57 | 22♈55 | 12♏ 2 | 21♏ 0 | 7♒ 4 | 4♐56 | 20°R39 | 22♍ 6 | 14♓ 5 | 3°R57 | S 1 |
| M 2 | 8 48 59 | 12°39'21 | 20°14 | 20°41 | 21°22 | 24°25 | 23° 4 | 12° 4 | 21° 1 | 7° 7 | 4°57 | 20♍39 | 22° 3 | 14°12 | 3♎55 | M 2 |
| T 3 | 8 52 56 | 13°40'23 | 3♊ 4 | 22° 0 | 22°35 | 24°52 | 23°13 | 12° 6 | 21° 2 | 7° 9 | 4°58 | 20°37 | 22° 0 | 14°19 | 3°53 | T 3 |
| W 4 | 8 56 52 | 14°41'25 | 16°20 | 23°20 | 23°47 | 25°20 | 23°22 | 12° 8 | 21° 3 | 7°11 | 5° 0 | 20°34 | 21°56 | 14°25 | 3°51 | W 4 |
| T 5 | 9 0 49 | 15°42'27 | 0♋ 5 | 24°40 | 24°59 | 25°48 | 23°32 | 12° 9 | 21° 4 | 7°13 | 5° 1 | 20°29 | 21°53 | 14°32 | 3°49 | T 5 |
| F 6 | 9 4 46 | 16°43'27 | 14°18 | 26° 2 | 26°11 | 26°16 | 23°41 | 12°11 | 21° 6 | 7°16 | 5° 2 | 20°24 | 21°50 | 14°39 | 3°47 | F 6 |
| S 7 | 9 8 42 | 17°44'27 | 28°56 | 27°25 | 27°23 | 26°45 | 23°51 | 12°12 | 21° 7 | 7°18 | 5° 3 | 20°19 | 21°47 | 14°45 | 3°45 | S 7 |
| S 8 | 9 12 39 | 18°45'26 | 13♌52 | 28°49 | 28°34 | 27°13 | 24° 1 | 12°14 | 21° 7 | 7°20 | 5° 4 | 20°14 | 21°44 | 14°52 | 3°42 | S 8 |
| M 9 | 9 16 35 | 19°46'24 | 28°59 | 0♒14 | 29°46 | 27°42 | 24°11 | 12°15 | 21° 8 | 7°22 | 5° 5 | 20°11 | 21°41 | 14°59 | 3°40 | M 9 |
| T 10 | 9 20 32 | 20°47'21 | 14♍ 6 | 1°40 | 0♈58 | 28°11 | 24°21 | 12°16 | 21° 9 | 7°25 | 5° 6 | 20°D10 | 21°37 | 15° 5 | 3°37 | T 10 |
| W11 | 9 24 28 | 21°48'18 | 29° 5 | 3° 7 | 2° 9 | 28°41 | 24°31 | 12°17 | 21°10 | 7°27 | 5° 7 | 20°10 | 21°34 | 15°12 | 3°35 | W11 |
| T 12 | 9 28 25 | 22°49'14 | 13♎48 | 4°34 | 3°21 | 29°10 | 24°41 | 12°18 | 21°11 | 7°29 | 5° 8 | 20°11 | 21°31 | 15°19 | 3°32 | T 12 |
| F 13 | 9 32 21 | 23°50'10 | 28°10 | 6° 2 | 4°32 | 29°40 | 24°51 | 12°19 | 21°11 | 7°31 | 5° 9 | 20°13 | 21°28 | 15°25 | 3°29 | F 13 |
| S 14 | 9 36 18 | 24°51'05 | 12♏10 | 7°31 | 5°43 | 0♊ 9 | 25° 2 | 12°20 | 21°12 | 7°33 | 5° 9 | 20°14 | 21°25 | 15°32 | 3°26 | S 14 |
| S 15 | 9 40 15 | 25°52'00 | 25°47 | 9° 1 | 6°54 | 0°39 | 25°12 | 12°20 | 21°13 | 7°36 | 5°10 | 20°R14 | 21°21 | 15°38 | 3°23 | S 15 |
| M16 | 9 44 11 | 26°52'54 | 9♐ 2 | 10°32 | 8° 5 | 1°10 | 25°23 | 12°21 | 21°13 | 7°38 | 5°11 | 20°14 | 21°18 | 15°45 | 3°20 | M16 |
| T 17 | 9 48 8 | 27°53'47 | 21°58 | 12° 3 | 9°16 | 1°40 | 25°34 | 12°21 | 21°13 | 7°40 | 5°12 | 20°12 | 21°15 | 15°52 | 3°17 | T 17 |
| W18 | 9 52 4 | 28°54'40 | 4♋37 | 13°35 | 10°27 | 2°10 | 25°45 | 12°21 | 21°14 | 7°42 | 5°12 | 20°10 | 21°12 | 15°58 | 3°14 | W18 |
| T 19 | 9 56 1 | 29°55'32 | 17° 2 | 15° 8 | 11°37 | 2°41 | 25°56 | 12°22 | 21°14 | 7°44 | 5°13 | 20° 6 | 21° 9 | 16° 5 | 3°10 | T 19 |
| F 20 | 9 59 57 | 0♓56'23 | 29°15 | 16°41 | 12°48 | 3°12 | 26° 7 | 12°R22 | 21°14 | 7°46 | 5°14 | 20° 3 | 21° 6 | 16°12 | 3° 7 | F 20 |
| S 21 | 10 3 54 | 1°57'13 | 11♒19 | 18°16 | 13°58 | 3°43 | 26°18 | 12°22 | 21°15 | 7°49 | 5°14 | 20° 0 | 21° 2 | 16°18 | 3° 3 | S 21 |
| S 22 | 10 7 50 | 2°58'02 | 23°16 | 19°51 | 15° 8 | 4°14 | 26°29 | 12°22 | 21°15 | 7°51 | 5°15 | 19°58 | 20°59 | 16°25 | 3° 0 | S 22 |
| M23 | 10 11 47 | 3°58'50 | 5♓ 8 | 21°26 | 16°18 | 4°45 | 26°41 | 12°21 | 21°15 | 7°53 | 5°15 | 19°56 | 20°56 | 16°32 | 2°56 | M23 |
| T 24 | 10 15 44 | 4°59'37 | 16°56 | 23° 3 | 17°28 | 5°16 | 26°52 | 12°21 | 21°R15 | 7°55 | 5°16 | 19°D55 | 20°53 | 16°38 | 2°52 | T 24 |
| W25 | 10 19 40 | 6° 0'23 | 28°42 | 24°40 | 18°38 | 5°48 | 27° 4 | 12°20 | 21°15 | 7°57 | 5°16 | 19°56 | 20°50 | 16°45 | 2°48 | W25 |
| T 26 | 10 23 37 | 7° 1'07 | 10♈30 | 26°18 | 19°48 | 6°20 | 27°16 | 12°20 | 21°15 | 7°59 | 5°17 | 19°56 | 20°47 | 16°52 | 2°45 | T 26 |
| F 27 | 10 27 33 | 8° 1'50 | 22°22 | 27°57 | 20°57 | 6°51 | 27°27 | 12°19 | 21°15 | 8° 1 | 5°17 | 19°58 | 20°43 | 16°58 | 2°41 | F 27 |
| S 28 | 10 31 30 | 9° 2'31 | 4♉22 | 29°37 | 22° 7 | 7°23 | 27°39 | 12°18 | 21°15 | 8° 3 | 5°17 | 19°59 | 20°40 | 17° 5 | 2°37 | S 28 |
| S 29 | 10 35 26 | 10♓ 3'11 | 16♉32 | 1♓17 | 23♈16 | 7♊55 | 27♈51 | 12♏17 | 21♏14 | 8♒ 5 | 5♐18 | 20♍ 0 | 20♍37 | 17♓11 | 2♎32 | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17s12 | 10n25 | 3s49 | 21s30 | 0n25 | 5s 4 | 1s18 | 20n17 | 1n41 | 7n47 | 1s10 | 13s 1 | 2n27 | 17s31 | 0n24 | 17s59 | 0n26 | 6s26 | 14n47 | 3n41 | 3n 7 | 5s34 | 5s23 | 4s10 |
| M 2 | 16 55 | 13 22 | 4 30 | 21 28 | 0 16 | 4 34 | 1 16 | 20 24 | 1 41 | 7 50 | 1 10 | 13 2 | 2 28 | 17 31 | 0 24 | 17 58 | 0 26 | 6 26 | 14 48 | 3 41 | 3 8 | 5 32 | 5 23 | 4 10 |
| T 3 | 16 38 | 15 47 | 4 58 | 21 24 | 0 8 | 4 3 | 1 13 | 20 31 | 1 41 | 7 54 | 1 9 | 13 2 | 2 28 | 17 32 | 0 24 | 17 57 | 0 26 | 6 26 | 14 48 | 3 42 | 3 10 | 5 30 | 5 22 | 4 11 |
| W 4 | 16 20 | 17 27 | 5 11 | 21 19 | 0s 1 | 3 32 | 1 10 | 20 38 | 1 42 | 7 58 | 1 9 | 13 2 | 2 28 | 17 32 | 0 24 | 17 57 | 0 26 | 6 26 | 14 49 | 3 43 | 3 11 | 5 29 | 5 22 | 4 11 |
| T 5 | 16 2 | 18 11 | 5 8 | 21 13 | 0 9 | 3 1 | 1 8 | 20 45 | 1 42 | 8 1 | 1 9 | 13 3 | 2 28 | 17 32 | 0 24 | 17 56 | 0 26 | 6 25 | 14 49 | 3 45 | 3 12 | 5 27 | 5 21 | 4 11 |
| F 6 | 15 44 | 17 49 | 4 46 | 21 6 | 0 17 | 2 30 | 1 5 | 20 52 | 1 42 | 8 5 | 1 9 | 13 3 | 2 29 | 17 32 | 0 24 | 17 56 | 0 26 | 6 25 | 14 49 | 3 47 | 3 13 | 5 25 | 5 20 | 4 11 |
| S 7 | 15 26 | 16 16 | 4 5 | 20 58 | 0 25 | 1 59 | 1 2 | 20 59 | 1 43 | 8 9 | 1 8 | 13 3 | 2 29 | 17 33 | 0 24 | 17 55 | 0 26 | 6 25 | 14 50 | 3 49 | 3 15 | 5 23 | 5 19 | 4 11 |
| S 8 | 15 7 | 13 36 | 3 6 | 20 48 | 0 32 | 1 28 | 0 59 | 21 6 | 1 43 | 8 12 | 1 8 | 13 3 | 2 29 | 17 33 | 0 24 | 17 55 | 0 26 | 6 25 | 14 50 | 3 51 | 3 16 | 5 22 | 5 18 | 4 11 |
| M 9 | 14 48 | 9 59 | 1 54 | 20 38 | 0 39 | 0 57 | 0 56 | 21 13 | 1 43 | 8 16 | 1 8 | 13 3 | 2 29 | 17 33 | 0 24 | 17 54 | 0 26 | 6 24 | 14 51 | 3 52 | 3 17 | 5 20 | 5 17 | 4 11 |
| T 10 | 14 29 | 5 43 | 0 33 | 20 26 | 0 46 | 0 26 | 0 53 | 21 20 | 1 43 | 8 20 | 1 8 | 13 3 | 2 30 | 17 33 | 0 24 | 17 54 | 0 26 | 6 24 | 14 51 | 3 53 | 3 18 | 5 18 | 5 16 | 4 11 |
| W11 | 14 10 | 1 7 | 0n49 | 20 13 | 0 53 | 0n 6 | 0 50 | 21 27 | 1 44 | 8 24 | 1 8 | 13 4 | 2 30 | 17 34 | 0 24 | 17 53 | 0 26 | 6 24 | 14 52 | 3 53 | 3 20 | 5 16 | 5 15 | 4 11 |
| T 12 | 13 50 | 3s28 | 2 6 | 19 59 | 1 0 | 0 37 | 0 46 | 21 33 | 1 44 | 8 28 | 1 7 | 13 4 | 2 30 | 17 34 | 0 24 | 17 52 | 0 26 | 6 24 | 14 52 | 3 52 | 3 21 | 5 15 | 5 14 | 4 11 |
| F 13 | 13 30 | 7 44 | 3 14 | 19 44 | 1 6 | 1 8 | 0 43 | 21 40 | 1 44 | 8 32 | 1 7 | 13 4 | 2 30 | 17 34 | 0 24 | 17 52 | 0 26 | 6 23 | 14 52 | 3 51 | 3 22 | 5 13 | 5 13 | 4 11 |
| S 14 | 13 10 | 11 27 | 4 8 | 19 27 | 1 12 | 1 39 | 0 40 | 21 46 | 1 44 | 8 36 | 1 7 | 13 4 | 2 31 | 17 34 | 0 25 | 17 51 | 0 26 | 6 23 | 14 53 | 3 51 | 3 23 | 5 11 | 5 12 | 4 11 |
| S 15 | 12 50 | 14 27 | 4 47 | 19 9 | 1 18 | 2 10 | 0 36 | 21 53 | 1 44 | 8 40 | 1 7 | 13 3 | 2 31 | 17 34 | 0 25 | 17 51 | 0 26 | 6 23 | 14 53 | 3 51 | 3 25 | 5 9 | 5 11 | 4 11 |
| M16 | 12 29 | 16 35 | 5 9 | 18 50 | 1 23 | 2 42 | 0 32 | 21 59 | 1 45 | 8 44 | 1 7 | 13 3 | 2 31 | 17 34 | 0 25 | 17 50 | 0 26 | 6 22 | 14 54 | 3 51 | 3 26 | 5 8 | 5 10 | 4 11 |
| T 17 | 12 8 | 17 49 | 5 15 | 18 30 | 1 29 | 3 13 | 0 29 | 22 6 | 1 45 | 8 48 | 1 6 | 13 3 | 2 31 | 17 34 | 0 25 | 17 50 | 0 26 | 6 22 | 14 54 | 3 52 | 3 27 | 5 6 | 5 9 | 4 11 |
| W18 | 11 47 | 18 9 | 5 5 | 18 9 | 1 34 | 3 44 | 0 25 | 22 12 | 1 45 | 8 52 | 1 6 | 13 3 | 2 32 | 17 34 | 0 25 | 17 49 | 0 26 | 6 22 | 14 55 | 3 53 | 3 28 | 5 4 | 5 7 | 4 11 |
| T 19 | 11 26 | 17 35 | 4 41 | 17 46 | 1 38 | 4 15 | 0 21 | 22 18 | 1 45 | 8 56 | 1 6 | 13 3 | 2 32 | 17 35 | 0 25 | 17 49 | 0 26 | 6 21 | 14 55 | 3 54 | 3 30 | 5 2 | 5 6 | 4 11 |
| F 20 | 11 5 | 16 12 | 4 5 | 17 23 | 1 43 | 4 45 | 0 18 | 22 24 | 1 45 | 9 0 | 1 6 | 13 3 | 2 32 | 17 35 | 0 25 | 17 48 | 0 26 | 6 21 | 14 56 | 3 55 | 3 31 | 5 1 | 5 5 | 4 11 |
| S 21 | 10 43 | 14 7 | 3 18 | 16 58 | 1 47 | 5 16 | 0 14 | 22 30 | 1 45 | 9 5 | 1 6 | 13 2 | 2 32 | 17 35 | 0 25 | 17 48 | 0 26 | 6 21 | 14 56 | 3 56 | 3 32 | 4 59 | 5 3 | 4 11 |
| S 22 | 10 22 | 11 27 | 2 22 | 16 32 | 1 50 | 5 47 | 0 10 | 22 36 | 1 45 | 9 9 | 1 5 | 13 2 | 2 33 | 17 35 | 0 25 | 17 47 | 0 26 | 6 20 | 14 56 | 3 57 | 3 33 | 4 57 | 5 2 | 4 11 |
| M23 | 10 0 | 8 19 | 1 21 | 16 4 | 1 54 | 6 18 | 0 6 | 22 42 | 1 45 | 9 13 | 1 5 | 13 2 | 2 33 | 17 35 | 0 25 | 17 47 | 0 26 | 6 20 | 14 57 | 3 58 | 3 34 | 4 55 | 5 0 | 4 11 |
| T 24 | 9 38 | 4 53 | 0 17 | 15 36 | 1 57 | 6 48 | 0 2 | 22 48 | 1 45 | 9 17 | 1 5 | 13 1 | 2 33 | 17 35 | 0 25 | 17 46 | 0 26 | 6 20 | 14 57 | 3 58 | 3 36 | 4 54 | 4 59 | 4 11 |
| W25 | 9 16 | 1 15 | 0s49 | 15 6 | 1 59 | 7 18 | 0n 3 | 22 53 | 1 46 | 9 22 | 1 5 | 13 1 | 2 33 | 17 35 | 0 25 | 17 45 | 0 26 | 6 19 | 14 58 | 3 58 | 3 37 | 4 52 | 4 57 | 4 11 |
| T 26 | 8 53 | 2n25 | 1 52 | 14 35 | 2 2 | 7 48 | 0 7 | 22 59 | 1 46 | 9 26 | 1 5 | 13 1 | 2 34 | 17 35 | 0 25 | 17 45 | 0 26 | 6 19 | 14 58 | 3 58 | 3 38 | 4 50 | 4 55 | 4 11 |
| F 27 | 8 31 | 6 1 | 2 51 | 14 3 | 2 4 | 8 18 | 0 11 | 23 4 | 1 46 | 9 30 | 1 5 | 13 0 | 2 34 | 17 35 | 0 25 | 17 44 | 0 26 | 6 18 | 14 59 | 3 57 | 3 39 | 4 48 | 4 54 | 4 11 |
| S 28 | 8 8 | 9 24 | 3 43 | 13 30 | 2 5 | 8 48 | 0 15 | 23 10 | 1 46 | 9 35 | 1 4 | 13 0 | 2 34 | 17 35 | 0 25 | 17 44 | 0 26 | 6 18 | 14 59 | 3 57 | 3 41 | 4 47 | 4 52 | 4 11 |
| S 29 | 7s45 | 12n27 | 4s26 | 12s56 | 2s 7 | 9n18 | 0n20 | 23n15 | 1n46 | 9n39 | 1s 4 | 12s59 | 2n34 | 17s34 | 0n25 | 17s43 | 0n26 | 6s18 | 15n 0 | 3n56 | 3n42 | 4s45 | 4s50 | 4s10 |

Julian Day Number = 2810974.5, Delta T = 53m09s
Ecliptic obliquity = 23°18'33, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°30'58, Lahiri = 37°37'58


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# ASTRODIENST EPHEMERIS for the year 2984
# geocentric

## MARCH 2984 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 39 23 | 11♓ 3'49 | 28♉58 | 2♓59 | 24♈25 | 8♊28 | 28♈ 3 | 12°R17 | 21°R14 | 8♒ 7 | 5♐18 | 20♍ 0 | 20♍34 | 17♓18 | 2°R28 | M 1 |
| T 2 | 10 43 19 | 12° 4'26 | 11♊43 | 4°41 | 25°34 | 9° 0 | 28°16 | 12♏15 | 21♏14 | 8° 9 | 5°18 | 20°R 1 | 20°31 | 17°25 | 2♎24 | T 2 |
| W 3 | 10 47 16 | 13° 5'01 | 24°51 | 6°24 | 26°43 | 9°32 | 28°28 | 12°14 | 21°13 | 8°11 | 5°18 | 20° 1 | 20°27 | 17°31 | 2°20 | W 3 |
| T 4 | 10 51 13 | 14° 5'35 | 8♋25 | 8° 8 | 27°51 | 10° 5 | 28°40 | 12°13 | 21°13 | 8°13 | 5°18 | 20° 0 | 20°24 | 17°38 | 2°16 | T 4 |
| F 5 | 10 55 9 | 15° 6'06 | 22°27 | 9°53 | 28°59 | 10°37 | 28°53 | 12°12 | 21°12 | 8°15 | 5°19 | 20° 0 | 20°21 | 17°45 | 2°11 | F 5 |
| S 6 | 10 59 6 | 16° 6'36 | 6♌55 | 11°39 | 0♉ 8 | 11°10 | 29° 5 | 12°10 | 21°12 | 8°17 | 5°19 | 19°59 | 20°18 | 17°51 | 2° 7 | S 6 |
| S 7 | 11 3 2 | 17° 7'05 | 21°45 | 13°26 | 1°16 | 11°43 | 29°18 | 12° 8 | 21°11 | 8°19 | 5°19 | 19°59 | 20°15 | 17°58 | 2° 2 | S 7 |
| M 8 | 11 6 59 | 18° 7'31 | 6♍52 | 15°13 | 2°23 | 12°16 | 29°30 | 12° 7 | 21°11 | 8°20 | 5°R19 | 19°59 | 20°12 | 18° 5 | 1°58 | M 8 |
| T 9 | 11 10 55 | 19° 7'56 | 22° 7 | 17° 2 | 3°31 | 12°49 | 29°43 | 12° 5 | 21°10 | 8°22 | 5°19 | 19°D58 | 20° 8 | 18°11 | 1°53 | T 9 |
| W10 | 11 14 52 | 20° 8'19 | 7♎19 | 18°51 | 4°38 | 13°22 | 29°56 | 12° 3 | 21° 9 | 8°24 | 5°19 | 19°R58 | 20° 5 | 18°18 | 1°49 | W10 |
| T 11 | 11 18 48 | 21° 8'41 | 22°19 | 20°42 | 5°45 | 13°55 | 0♉ 9 | 12° 1 | 21° 8 | 8°26 | 5°18 | 19°58 | 20° 2 | 18°25 | 1°44 | T 11 |
| F 12 | 11 22 45 | 22° 9'02 | 7♏ 0 | 22°33 | 6°52 | 14°28 | 0°21 | 11°59 | 21° 7 | 8°28 | 5°18 | 19°58 | 19°59 | 18°31 | 1°40 | F 12 |
| S 13 | 11 26 41 | 23° 9'21 | 21°16 | 24°25 | 7°59 | 15° 2 | 0°34 | 11°57 | 21° 7 | 8°29 | 5°18 | 19°58 | 19°56 | 18°38 | 1°35 | S 13 |
| S 14 | 11 30 38 | 24° 9'39 | 5♐ 5 | 26°18 | 9° 5 | 15°35 | 0°47 | 11°55 | 21° 6 | 8°31 | 5°18 | 19°58 | 19°52 | 18°45 | 1°30 | S 14 |
| M15 | 11 34 35 | 25° 9'55 | 18°27 | 28°12 | 10°12 | 16° 9 | 1° 1 | 11°52 | 21° 5 | 8°33 | 5°18 | 19°57 | 19°49 | 18°51 | 1°25 | M15 |
| T 16 | 11 38 31 | 26°10'11 | 1♑24 | 0♈ 6 | 11°18 | 16°42 | 1°14 | 11°50 | 21° 3 | 8°35 | 5°17 | 19°D57 | 19°46 | 18°58 | 1°21 | T 16 |
| W17 | 11 42 28 | 27°10'24 | 14° 0 | 2° 1 | 12°23 | 17°16 | 1°27 | 11°47 | 21° 2 | 8°36 | 5°17 | 19°58 | 19°43 | 19° 4 | 1°16 | W17 |
| T 18 | 11 46 24 | 28°10'36 | 26°18 | 3°56 | 13°29 | 17°50 | 1°40 | 11°45 | 21° 1 | 8°38 | 5°17 | 19°58 | 19°40 | 19°11 | 1°11 | T 18 |
| F 19 | 11 50 21 | 29°10'47 | 8♒23 | 5°52 | 14°34 | 18°23 | 1°54 | 11°42 | 21° 0 | 8°40 | 5°16 | 19°59 | 19°37 | 19°18 | 1° 7 | F 19 |
| S 20 | 11 54 17 | 0♈10'56 | 20°18 | 7°48 | 15°39 | 18°57 | 2° 7 | 11°39 | 20°59 | 8°41 | 5°16 | 20° 0 | 19°33 | 19°24 | 1° 2 | S 20 |
| S 21 | 11 58 14 | 1°11'04 | 2♓ 8 | 9°43 | 16°44 | 19°31 | 2°20 | 11°36 | 20°57 | 8°43 | 5°16 | 20° 1 | 19°30 | 19°31 | 0°57 | S 21 |
| M22 | 12 2 10 | 2°11'10 | 13°55 | 11°39 | 17°48 | 20° 5 | 2°34 | 11°33 | 20°56 | 8°44 | 5°15 | 20° 2 | 19°27 | 19°38 | 0°52 | M22 |
| T 23 | 12 6 7 | 3°11'14 | 25°42 | 13°34 | 18°53 | 20°39 | 2°47 | 11°30 | 20°55 | 8°46 | 5°15 | 20°R 2 | 19°24 | 19°44 | 0°47 | T 23 |
| W24 | 12 10 4 | 4°11'16 | 7♈31 | 15°28 | 19°56 | 21°14 | 3° 1 | 11°27 | 20°53 | 8°47 | 5°14 | 20° 1 | 19°21 | 19°51 | 0°43 | W24 |
| T 25 | 12 14 0 | 5°11'16 | 19°25 | 17°21 | 21° 0 | 21°48 | 3°15 | 11°24 | 20°52 | 8°49 | 5°13 | 20° 0 | 19°18 | 19°58 | 0°38 | T 25 |
| F 26 | 12 17 57 | 6°11'15 | 1♉25 | 19°12 | 22° 3 | 22°22 | 3°28 | 11°20 | 20°50 | 8°50 | 5°13 | 19°57 | 19°14 | 20° 4 | 0°33 | F 26 |
| S 27 | 12 21 53 | 7°11'12 | 13°33 | 21° 1 | 23° 6 | 22°56 | 3°42 | 11°17 | 20°49 | 8°52 | 5°12 | 19°55 | 19°11 | 20°11 | 0°29 | S 27 |
| S 28 | 12 25 50 | 8°11'06 | 25°53 | 22°48 | 24° 9 | 23°31 | 3°56 | 11°14 | 20°47 | 8°53 | 5°11 | 19°52 | 19° 8 | 20°18 | 0°24 | S 28 |
| M29 | 12 29 46 | 9°10'59 | 8♊25 | 24°31 | 25°11 | 24° 5 | 4°10 | 11°10 | 20°45 | 8°54 | 5°11 | 19°49 | 19° 5 | 20°24 | 0°19 | M29 |
| T 30 | 12 33 43 | 10°10'49 | 21°12 | 26°12 | 26°13 | 24°40 | 4°24 | 11° 7 | 20°44 | 8°56 | 5°10 | 19°47 | 19° 2 | 20°31 | 0°14 | T 30 |
| W31 | 12 37 39 | 11♈10'38 | 4♋18 | 27♈48 | 27♉14 | 25♊15 | 4♉38 | 11♏ 3 | 20♏42 | 8♒57 | 5♐ 9 | 19♍46 | 18♍58 | 20♓37 | 0♎10 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7s23 | 14n59 | 4s57 | 12s20 | 2s 8 | 9n47 | 0n24 | 23n20 | 1n46 | 9n44 | 1s 4 | 12s59 | 2n35 | 17s34 | 0n25 | 17s43 | 0n26 | 6s17 | 15n 0 | 3n56 | 3n43 | 4s43 | 4s49 | 4s10 |
| T 2 | 7 0 | 16 52 | 5 15 | 11 44 | 2 8 | 10 17 | 0 29 | 23 25 | 1 46 | 9 48 | 1 4 | 12 58 | 2 35 | 17 34 | 0 25 | 17 42 | 0 26 | 6 17 | 15 1 | 3 56 | 3 44 | 4 41 | 4 47 | 4 10 |
| W 3 | 6 37 | 17 56 | 5 17 | 11 6 | 2 8 | 10 46 | 0 33 | 23 30 | 1 46 | 9 53 | 1 4 | 12 58 | 2 35 | 17 34 | 0 25 | 17 42 | 0 26 | 6 16 | 15 1 | 3 56 | 3 46 | 4 40 | 4 45 | 4 10 |
| T 4 | 6 14 | 18 1 | 5 2 | 10 27 | 2 8 | 11 14 | 0 38 | 23 35 | 1 46 | 9 57 | 1 4 | 12 57 | 2 35 | 17 34 | 0 25 | 17 41 | 0 26 | 6 16 | 15 1 | 3 56 | 3 47 | 4 38 | 4 43 | 4 10 |
| F 5 | 5 50 | 17 2 | 4 29 | 9 47 | 2 7 | 11 43 | 0 42 | 23 40 | 1 46 | 10 2 | 1 3 | 12 56 | 2 36 | 17 34 | 0 25 | 17 41 | 0 26 | 6 16 | 15 2 | 3 57 | 3 48 | 4 36 | 4 41 | 4 10 |
| S 6 | 5 27 | 14 56 | 3 38 | 9 6 | 2 6 | 12 11 | 0 47 | 23 44 | 1 46 | 10 6 | 1 3 | 12 56 | 2 36 | 17 34 | 0 25 | 17 40 | 0 26 | 6 15 | 15 2 | 3 57 | 3 49 | 4 34 | 4 39 | 4 10 |
| S 7 | 5 4 | 11 48 | 2 31 | 8 23 | 2 4 | 12 39 | 0 51 | 23 49 | 1 46 | 10 11 | 1 3 | 12 55 | 2 36 | 17 34 | 0 25 | 17 40 | 0 26 | 6 15 | 15 3 | 3 57 | 3 51 | 4 33 | 4 37 | 4 9 |
| M 8 | 4 40 | 7 49 | 1 12 | 7 40 | 2 2 | 13 7 | 0 56 | 23 53 | 1 46 | 10 15 | 1 3 | 12 54 | 2 36 | 17 33 | 0 25 | 17 39 | 0 26 | 6 14 | 15 3 | 3 57 | 3 52 | 4 31 | 4 35 | 4 9 |
| T 9 | 4 17 | 3 18 | 0n12 | 6 55 | 1 59 | 13 35 | 1 1 | 23 57 | 1 46 | 10 20 | 1 3 | 12 53 | 2 37 | 17 33 | 0 25 | 17 39 | 0 26 | 6 14 | 15 4 | 3 57 | 3 53 | 4 29 | 4 34 | 4 9 |
| W10 | 3 53 | 1s26 | 1 35 | 6 10 | 1 56 | 14 2 | 1 6 | 24 1 | 1 45 | 10 24 | 1 3 | 12 53 | 2 37 | 17 33 | 0 25 | 17 38 | 0 26 | 6 13 | 15 4 | 3 57 | 3 54 | 4 27 | 4 32 | 4 9 |
| T 11 | 3 30 | 6 0 | 2 51 | 5 23 | 1 52 | 14 29 | 1 10 | 24 5 | 1 45 | 10 29 | 1 3 | 12 52 | 2 37 | 17 33 | 0 25 | 17 38 | 0 26 | 6 13 | 15 5 | 3 57 | 3 56 | 4 26 | 4 30 | 4 9 |
| F 12 | 3 6 | 10 6 | 3 53 | 4 36 | 1 48 | 14 55 | 1 15 | 24 9 | 1 45 | 10 34 | 1 2 | 12 51 | 2 37 | 17 33 | 0 25 | 17 38 | 0 26 | 6 12 | 15 5 | 3 57 | 3 57 | 4 24 | 4 27 | 4 8 |
| S 13 | 2 42 | 13 29 | 4 39 | 3 47 | 1 43 | 15 21 | 1 20 | 24 13 | 1 45 | 10 38 | 1 2 | 12 50 | 2 37 | 17 32 | 0 25 | 17 37 | 0 26 | 6 12 | 15 6 | 3 57 | 3 58 | 4 22 | 4 25 | 4 8 |
| S 14 | 2 18 | 15 59 | 5 8 | 2 58 | 1 38 | 15 47 | 1 25 | 24 17 | 1 45 | 10 43 | 1 2 | 12 49 | 2 38 | 17 32 | 0 25 | 17 37 | 0 26 | 6 11 | 15 6 | 3 57 | 3 59 | 4 20 | 4 23 | 4 8 |
| M15 | 1 55 | 17 32 | 5 18 | 2 7 | 1 32 | 16 13 | 1 30 | 24 20 | 1 45 | 10 48 | 1 2 | 12 48 | 2 38 | 17 32 | 0 25 | 17 36 | 0 26 | 6 11 | 15 6 | 3 57 | 4 1 | 4 18 | 4 21 | 4 8 |
| T 16 | 1 31 | 18 6 | 5 12 | 1 16 | 1 26 | 16 38 | 1 35 | 24 23 | 1 45 | 10 52 | 1 2 | 12 47 | 2 38 | 17 31 | 0 25 | 17 36 | 0 26 | 6 10 | 15 7 | 3 57 | 4 2 | 4 17 | 4 19 | 4 7 |
| W17 | 1 7 | 17 45 | 4 51 | 0 24 | 1 19 | 17 3 | 1 39 | 24 27 | 1 45 | 10 57 | 1 2 | 12 46 | 2 38 | 17 31 | 0 25 | 17 35 | 0 26 | 6 10 | 15 7 | 3 57 | 4 3 | 4 15 | 4 17 | 4 7 |
| T 18 | 0 43 | 16 34 | 4 17 | 0n28 | 1 11 | 17 28 | 1 44 | 24 30 | 1 45 | 11 2 | 1 2 | 12 45 | 2 39 | 17 31 | 0 25 | 17 35 | 0 26 | 6 10 | 15 8 | 3 57 | 4 4 | 4 13 | 4 15 | 4 7 |
| F 19 | 0 19 | 14 40 | 3 32 | 1 21 | 1 3 | 17 52 | 1 49 | 24 33 | 1 45 | 11 6 | 1 1 | 12 44 | 2 39 | 17 30 | 0 25 | 17 35 | 0 26 | 6 9 | 15 8 | 3 57 | 4 6 | 4 11 | 4 13 | 4 7 |
| S 20 | 0n 4 | 12 8 | 2 38 | 2 15 | 0 54 | 18 16 | 1 54 | 24 35 | 1 45 | 11 11 | 1 1 | 12 43 | 2 39 | 17 30 | 0 25 | 17 34 | 0 26 | 6 9 | 15 9 | 3 56 | 4 7 | 4 10 | 4 11 | 4 6 |
| S 21 | 0 28 | 9 8 | 1 38 | 3 9 | 0 45 | 18 39 | 1 59 | 24 38 | 1 44 | 11 16 | 1 1 | 12 42 | 2 39 | 17 30 | 0 25 | 17 34 | 0 26 | 6 8 | 15 9 | 3 56 | 4 8 | 4 8 | 4 8 | 4 6 |
| M22 | 0 52 | 5 46 | 0 34 | 4 3 | 0 35 | 19 2 | 2 4 | 24 41 | 1 44 | 11 20 | 1 1 | 12 41 | 2 39 | 17 29 | 0 25 | 17 33 | 0 26 | 6 8 | 15 9 | 3 56 | 4 9 | 4 6 | 4 6 | 4 6 |
| T 23 | 1 16 | 2 11 | 0s31 | 4 57 | 0 25 | 19 24 | 2 9 | 24 43 | 1 44 | 11 25 | 1 1 | 12 40 | 2 39 | 17 29 | 0 25 | 17 33 | 0 26 | 6 7 | 15 10 | 3 56 | 4 11 | 4 4 | 4 4 | 4 5 |
| W24 | 1 39 | 1n30 | 1 36 | 5 51 | 0 14 | 19 47 | 2 14 | 24 45 | 1 44 | 11 30 | 1 1 | 12 39 | 2 40 | 17 29 | 0 25 | 17 32 | 0 26 | 6 7 | 15 10 | 3 56 | 4 12 | 4 2 | 4 2 | 4 5 |
| T 25 | 2 3 | 5 9 | 2 36 | 6 44 | 0 3 | 20 8 | 2 19 | 24 47 | 1 44 | 11 35 | 1 1 | 12 38 | 2 40 | 17 28 | 0 25 | 17 32 | 0 26 | 6 6 | 15 11 | 3 57 | 4 13 | 4 1 | 4 0 | 4 4 |
| F 26 | 2 27 | 8 37 | 3 30 | 7 37 | 0n 9 | 20 30 | 2 23 | 24 49 | 1 44 | 11 39 | 1 1 | 12 37 | 2 40 | 17 28 | 0 25 | 17 32 | 0 26 | 6 6 | 15 11 | 3 57 | 4 14 | 3 59 | 3 57 | 4 4 |
| S 27 | 2 50 | 11 46 | 4 15 | 8 29 | 0 21 | 20 50 | 2 28 | 24 51 | 1 44 | 11 44 | 1 1 | 12 36 | 2 40 | 17 27 | 0 25 | 17 31 | 0 26 | 6 5 | 15 11 | 3 58 | 4 15 | 3 57 | 3 55 | 4 4 |
| S 28 | 3 14 | 14 26 | 4 49 | 9 20 | 0 33 | 21 11 | 2 33 | 24 52 | 1 43 | 11 49 | 1 0 | 12 34 | 2 40 | 17 27 | 0 25 | 17 31 | 0 26 | 6 5 | 15 12 | 4 0 | 4 17 | 3 55 | 3 53 | 4 3 |
| M29 | 3 37 | 16 29 | 5 10 | 10 10 | 0 46 | 21 31 | 2 38 | 24 54 | 1 43 | 11 53 | 1 0 | 12 33 | 2 40 | 17 27 | 0 25 | 17 31 | 0 26 | 6 4 | 15 12 | 4 1 | 4 18 | 3 54 | 3 51 | 4 3 |
| T 30 | 4 1 | 17 46 | 5 16 | 10 58 | 0 59 | 21 50 | 2 43 | 24 55 | 1 43 | 11 58 | 1 0 | 12 32 | 2 41 | 17 26 | 0 25 | 17 30 | 0 26 | 6 4 | 15 13 | 4 1 | 4 19 | 3 52 | 3 48 | 4 3 |
| W31 | 4n24 | 18n 9 | 5s 6 | 11n45 | 1n11 | 22n 9 | 2n47 | 24n56 | 1n43 | 12n 3 | 1s 0 | 12s31 | 2n41 | 17s26 | 0n25 | 17s30 | 0n26 | 6s 3 | 15n13 | 4n 2 | 4n20 | 3s50 | 3s46 | 4s 2 |

Julian Day Number = 2811003.5, Delta T = 53m10s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°31'02, Lahiri = 37°38'02


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# ASTRODIENST EPHEMERIS for the year 2984
# geocentric

## APRIL 2984 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 41 36 | 12♈10'24 | 17♋44 | 29♈20 | 28♉15 | 25♊49 | 4♉52 | 10°R59 | 20°R40 | 8♒58 | 5°R 8 | 19°D46 | 18♍55 | 20♓44 | 0°R 5 | T 1 |
| F 2 | 12 45 33 | 13°10'08 | 1♌32 | 0♉47 | 29°16 | 26°24 | 5° 6 | 10♏55 | 20♏38 | 8°59 | 5♐ 8 | 19♍47 | 18°52 | 20°51 | 0♎ 1 | F 2 |
| S 3 | 12 49 29 | 14° 9'49 | 15°44 | 2° 8 | 0♊16 | 26°59 | 5°20 | 10°52 | 20°36 | 9° 1 | 5° 7 | 19°48 | 18°49 | 20°57 | 29♍56 | S 3 |
| S 4 | 12 53 26 | 15° 9'29 | 0♍16 | 3°24 | 1°16 | 27°34 | 5°34 | 10°48 | 20°34 | 9° 2 | 5° 6 | 19°50 | 18°46 | 21° 4 | 29°52 | S 4 |
| M 5 | 12 57 22 | 16° 9'06 | 15° 7 | 4°34 | 2°16 | 28° 8 | 5°48 | 10°44 | 20°33 | 9° 3 | 5° 5 | 19°R51 | 18°43 | 21°11 | 29°47 | M 5 |
| T 6 | 13 1 19 | 17° 8'41 | 0♎10 | 5°37 | 3°15 | 28°43 | 6° 2 | 10°40 | 20°31 | 9° 4 | 5° 4 | 19°50 | 18°39 | 21°17 | 29°43 | T 6 |
| W 7 | 13 5 15 | 18° 8'14 | 15°16 | 6°33 | 4°13 | 29°18 | 6°16 | 10°36 | 20°29 | 9° 5 | 5° 3 | 19°49 | 18°36 | 21°24 | 29°38 | W 7 |
| T 8 | 13 9 12 | 19° 7'45 | 0♏18 | 7°22 | 5°11 | 29°53 | 6°30 | 10°32 | 20°27 | 9° 6 | 5° 2 | 19°46 | 18°33 | 21°31 | 29°34 | T 8 |
| F 9 | 13 13 8 | 20° 7'14 | 15° 5 | 8° 4 | 6° 9 | 0♋28 | 6°44 | 10°27 | 20°24 | 9° 7 | 5° 1 | 19°42 | 18°30 | 21°37 | 29°30 | F 9 |
| S 10 | 13 17 5 | 21° 6'41 | 29°31 | 8°38 | 7° 6 | 1° 3 | 6°59 | 10°23 | 20°22 | 9° 8 | 5° 0 | 19°37 | 18°27 | 21°44 | 29°25 | S 10 |
| S 11 | 13 21 1 | 22° 6'07 | 13♐30 | 9° 5 | 8° 2 | 1°38 | 7°13 | 10°19 | 20°20 | 9° 9 | 4°59 | 19°32 | 18°23 | 21°51 | 29°21 | S 11 |
| M12 | 13 24 58 | 23° 5'31 | 27° 1 | 9°24 | 8°58 | 2°14 | 7°27 | 10°15 | 20°18 | 9°10 | 4°58 | 19°29 | 18°20 | 21°57 | 29°17 | M12 |
| T 13 | 13 28 55 | 24° 4'53 | 10♑ 5 | 9°36 | 9°54 | 2°49 | 7°42 | 10°10 | 20°16 | 9°11 | 4°57 | 19°26 | 18°17 | 22° 4 | 29°13 | T 13 |
| W14 | 13 32 51 | 25° 4'13 | 22°44 | 9°R40 | 10°48 | 3°24 | 7°56 | 10° 6 | 20°14 | 9°12 | 4°55 | 19°D25 | 18°14 | 22°10 | 29° 9 | W14 |
| T 15 | 13 36 48 | 26° 3'32 | 5♒ 3 | 9°36 | 11°43 | 3°59 | 8°10 | 10° 2 | 20°11 | 9°13 | 4°54 | 19°25 | 18°11 | 22°17 | 29° 5 | T 15 |
| F 16 | 13 40 44 | 27° 2'49 | 17° 6 | 9°26 | 12°36 | 4°35 | 8°25 | 9°57 | 20° 9 | 9°14 | 4°53 | 19°27 | 18° 8 | 22°24 | 29° 1 | F 16 |
| S 17 | 13 44 41 | 28° 2'04 | 28°59 | 9° 9 | 13°29 | 5°10 | 8°39 | 9°53 | 20° 7 | 9°15 | 4°52 | 19°28 | 18° 4 | 22°30 | 28°58 | S 17 |
| S 18 | 13 48 37 | 29° 1'17 | 10♓46 | 8°46 | 14°21 | 5°45 | 8°53 | 9°48 | 20° 5 | 9°15 | 4°51 | 19°30 | 18° 1 | 22°37 | 28°54 | S 18 |
| M19 | 13 52 34 | 0♉ 0'29 | 22°32 | 8°18 | 15°13 | 6°21 | 9° 8 | 9°44 | 20° 2 | 9°16 | 4°49 | 19°R30 | 17°58 | 22°44 | 28°50 | M19 |
| T 20 | 13 56 30 | 0°59'39 | 4♈21 | 7°44 | 16° 4 | 6°56 | 9°22 | 9°39 | 20° 0 | 9°17 | 4°48 | 19°29 | 17°55 | 22°50 | 28°47 | T 20 |
| W21 | 14 0 27 | 1°58'47 | 16°15 | 7° 6 | 16°54 | 7°32 | 9°37 | 9°34 | 19°57 | 9°17 | 4°47 | 19°26 | 17°52 | 22°57 | 28°43 | W21 |
| T 22 | 14 4 24 | 2°57'52 | 28°17 | 6°25 | 17°43 | 8° 7 | 9°51 | 9°30 | 19°55 | 9°18 | 4°45 | 19°20 | 17°49 | 23° 4 | 28°40 | T 22 |
| F 23 | 14 8 20 | 3°56'56 | 10♉29 | 5°41 | 18°32 | 8°43 | 10° 6 | 9°25 | 19°53 | 9°19 | 4°44 | 19°13 | 17°45 | 23°10 | 28°36 | F 23 |
| S 24 | 14 12 17 | 4°55'59 | 22°53 | 4°56 | 19°20 | 9°18 | 10°20 | 9°21 | 19°50 | 9°19 | 4°43 | 19° 5 | 17°42 | 23°17 | 28°33 | S 24 |
| S 25 | 14 16 13 | 5°54'59 | 5♊28 | 4° 9 | 20° 7 | 9°54 | 10°35 | 9°16 | 19°48 | 9°20 | 4°41 | 18°56 | 17°39 | 23°24 | 28°30 | S 25 |
| M26 | 14 20 10 | 6°53'56 | 18°15 | 3°23 | 20°53 | 10°30 | 10°49 | 9°11 | 19°45 | 9°20 | 4°40 | 18°48 | 17°36 | 23°30 | 28°27 | M26 |
| T 27 | 14 24 6 | 7°52'52 | 1♋15 | 2°38 | 21°38 | 11° 5 | 11° 4 | 9° 7 | 19°43 | 9°21 | 4°38 | 18°41 | 17°33 | 23°37 | 28°24 | T 27 |
| W28 | 14 28 3 | 8°51'46 | 14°28 | 1°55 | 22°22 | 11°41 | 11°18 | 9° 2 | 19°40 | 9°21 | 4°37 | 18°37 | 17°29 | 23°43 | 28°21 | W28 |
| T 29 | 14 31 59 | 9°50'37 | 27°56 | 1°14 | 23° 5 | 12°17 | 11°33 | 8°58 | 19°38 | 9°21 | 4°35 | 18°34 | 17°26 | 23°50 | 28°18 | T 29 |
| F 30 | 14 35 56 | 10♉49'26 | 11♌39 | 0♉37 | 23♊47 | 12♋52 | 11♉47 | 8♏53 | 19♏35 | 9♒22 | 4♐34 | 18°D33 | 17♍23 | 23♓57 | 28♍15 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4n47 | 17n32 | 4s39 | 12n29 | 1n24 | 22n28 | 2n52 | 24n57 | 1n43 | 12n 8 | 1s 0 | 12s29 | 2n41 | 17s25 | 0n25 | 17s30 | 0n26 | 6s 3 | 15n13 | 4n 2 | 4n22 | 3s48 | 3s44 | 4s 2 |
| F 2 | 5 10 | 15 52 | 3 56 | 13 11 | 1 36 | 22 46 | 2 57 | 24 58 | 1 43 | 12 12 | 1 0 | 12 28 | 2 41 | 17 25 | 0 25 | 17 29 | 0 26 | 6 2 | 15 14 | 4 1 | 4 23 | 3 46 | 3 42 | 4 1 |
| S 3 | 5 33 | 13 13 | 2 57 | 13 51 | 1 48 | 23 3 | 3 1 | 24 59 | 1 42 | 12 17 | 1 0 | 12 27 | 2 41 | 17 24 | 0 25 | 17 29 | 0 26 | 6 2 | 15 14 | 4 1 | 4 24 | 3 45 | 3 40 | 4 1 |
| S 4 | 5 56 | 9 40 | 1 46 | 14 28 | 2 0 | 23 20 | 3 6 | 24 59 | 1 42 | 12 22 | 1 0 | 12 25 | 2 41 | 17 24 | 0 25 | 17 29 | 0 26 | 6 1 | 15 14 | 4 0 | 4 25 | 3 43 | 3 37 | 4 0 |
| M 5 | 6 19 | 5 26 | 0 26 | 15 2 | 2 12 | 23 37 | 3 11 | 25 0 | 1 42 | 12 27 | 1 0 | 12 24 | 2 41 | 17 23 | 0 25 | 17 28 | 0 26 | 6 1 | 15 15 | 4 0 | 4 27 | 3 41 | 3 35 | 4 0 |
| T 6 | 6 42 | 0 48 | 0n57 | 15 34 | 2 22 | 23 53 | 3 15 | 25 0 | 1 42 | 12 31 | 1 0 | 12 23 | 2 42 | 17 23 | 0 25 | 17 28 | 0 26 | 6 0 | 15 15 | 4 0 | 4 28 | 3 39 | 3 33 | 3 59 |
| W 7 | 7 5 | 3s54 | 2 15 | 16 2 | 2 32 | 24 8 | 3 19 | 25 0 | 1 42 | 12 36 | 1 0 | 12 21 | 2 42 | 17 22 | 0 25 | 17 28 | 0 26 | 6 0 | 15 15 | 4 1 | 4 29 | 3 37 | 3 31 | 3 59 |
| T 8 | 7 27 | 8 19 | 3 24 | 16 26 | 2 41 | 24 23 | 3 24 | 25 0 | 1 41 | 12 41 | 0 59 | 12 20 | 2 42 | 17 22 | 0 25 | 17 27 | 0 26 | 5 59 | 15 16 | 4 2 | 4 30 | 3 36 | 3 29 | 3 58 |
| F 9 | 7 49 | 12 9 | 4 18 | 16 48 | 2 50 | 24 38 | 3 28 | 25 0 | 1 41 | 12 45 | 0 59 | 12 19 | 2 42 | 17 21 | 0 25 | 17 27 | 0 26 | 5 59 | 15 16 | 4 4 | 4 32 | 3 34 | 3 26 | 3 58 |
| S 10 | 8 12 | 15 9 | 4 54 | 17 6 | 2 57 | 24 52 | 3 32 | 24 59 | 1 41 | 12 50 | 0 59 | 12 17 | 2 42 | 17 20 | 0 25 | 17 27 | 0 26 | 5 58 | 15 16 | 4 5 | 4 33 | 3 32 | 3 24 | 3 57 |
| S 11 | 8 34 | 17 9 | 5 11 | 17 20 | 3 3 | 25 5 | 3 37 | 24 59 | 1 41 | 12 55 | 0 59 | 12 16 | 2 42 | 17 20 | 0 25 | 17 27 | 0 26 | 5 58 | 15 17 | 4 7 | 4 34 | 3 30 | 3 22 | 3 57 |
| M12 | 8 56 | 18 6 | 5 10 | 17 31 | 3 8 | 25 18 | 3 41 | 24 58 | 1 41 | 12 59 | 0 59 | 12 14 | 2 42 | 17 19 | 0 25 | 17 26 | 0 26 | 5 57 | 15 17 | 4 9 | 4 35 | 3 28 | 3 20 | 3 56 |
| T 13 | 9 17 | 18 3 | 4 53 | 17 38 | 3 11 | 25 31 | 3 45 | 24 57 | 1 40 | 13 4 | 0 59 | 12 13 | 2 42 | 17 19 | 0 25 | 17 26 | 0 26 | 5 57 | 15 17 | 4 10 | 4 36 | 3 27 | 3 18 | 3 56 |
| W14 | 9 39 | 17 6 | 4 22 | 17 41 | 3 13 | 25 43 | 3 49 | 24 56 | 1 40 | 13 9 | 0 59 | 12 12 | 2 42 | 17 18 | 0 25 | 17 26 | 0 26 | 5 56 | 15 18 | 4 10 | 4 38 | 3 25 | 3 16 | 3 55 |
| T 15 | 10 1 | 15 21 | 3 39 | 17 40 | 3 14 | 25 54 | 3 52 | 24 55 | 1 40 | 13 13 | 0 59 | 12 10 | 2 42 | 17 18 | 0 25 | 17 26 | 0 26 | 5 56 | 15 18 | 4 10 | 4 39 | 3 23 | 3 14 | 3 55 |
| F 16 | 10 22 | 12 57 | 2 48 | 17 36 | 3 13 | 26 5 | 3 56 | 24 54 | 1 40 | 13 18 | 0 59 | 12 9 | 2 43 | 17 17 | 0 25 | 17 25 | 0 26 | 5 55 | 15 18 | 4 9 | 4 40 | 3 21 | 3 12 | 3 54 |
| S 17 | 10 43 | 10 3 | 1 50 | 17 28 | 3 10 | 26 16 | 4 0 | 24 52 | 1 39 | 13 23 | 0 59 | 12 7 | 2 43 | 17 16 | 0 25 | 17 25 | 0 26 | 5 55 | 15 19 | 4 9 | 4 41 | 3 19 | 3 10 | 3 54 |
| S 18 | 11 4 | 6 45 | 0 47 | 17 17 | 3 6 | 26 26 | 4 3 | 24 50 | 1 39 | 13 27 | 0 59 | 12 6 | 2 43 | 17 16 | 0 25 | 17 25 | 0 26 | 5 54 | 15 19 | 4 8 | 4 43 | 3 18 | 3 8 | 3 53 |
| M19 | 11 25 | 3 12 | 0s17 | 17 2 | 3 0 | 26 35 | 4 7 | 24 48 | 1 39 | 13 32 | 0 59 | 12 4 | 2 43 | 17 15 | 0 25 | 17 25 | 0 26 | 5 54 | 15 19 | 4 8 | 4 44 | 3 16 | 3 6 | 3 52 |
| T 20 | 11 45 | 0n30 | 1 20 | 16 44 | 2 52 | 26 44 | 4 10 | 24 46 | 1 39 | 13 37 | 0 59 | 12 3 | 2 43 | 17 14 | 0 25 | 17 25 | 0 26 | 5 53 | 15 19 | 4 9 | 4 45 | 3 14 | 3 4 | 3 52 |
| W21 | 12 6 | 4 12 | 2 20 | 16 23 | 2 43 | 26 52 | 4 13 | 24 44 | 1 39 | 13 41 | 0 59 | 12 2 | 2 43 | 17 14 | 0 25 | 17 25 | 0 26 | 5 53 | 15 20 | 4 10 | 4 46 | 3 12 | 3 2 | 3 51 |
| T 22 | 12 26 | 7 46 | 3 15 | 15 59 | 2 32 | 27 0 | 4 16 | 24 42 | 1 38 | 13 46 | 0 58 | 12 0 | 2 43 | 17 13 | 0 25 | 17 24 | 0 26 | 5 53 | 15 20 | 4 12 | 4 48 | 3 10 | 3 0 | 3 51 |
| F 23 | 12 46 | 11 4 | 4 1 | 15 33 | 2 20 | 27 7 | 4 19 | 24 39 | 1 38 | 13 50 | 0 58 | 11 59 | 2 43 | 17 13 | 0 25 | 17 24 | 0 26 | 5 52 | 15 20 | 4 15 | 4 49 | 3 9 | 2 58 | 3 50 |
| S 24 | 13 6 | 13 56 | 4 37 | 15 6 | 2 7 | 27 14 | 4 22 | 24 37 | 1 38 | 13 55 | 0 58 | 11 57 | 2 43 | 17 12 | 0 25 | 17 24 | 0 26 | 5 52 | 15 20 | 4 18 | 4 50 | 3 7 | 2 56 | 3 49 |
| S 25 | 13 25 | 16 11 | 4 59 | 14 36 | 1 53 | 27 21 | 4 25 | 24 34 | 1 38 | 13 59 | 0 58 | 11 56 | 2 43 | 17 11 | 0 25 | 17 24 | 0 26 | 5 51 | 15 20 | 4 21 | 4 51 | 3 5 | 2 55 | 3 49 |
| M26 | 13 45 | 17 41 | 5 8 | 14 7 | 1 38 | 27 27 | 4 27 | 24 31 | 1 37 | 14 4 | 0 58 | 11 54 | 2 43 | 17 11 | 0 25 | 17 24 | 0 26 | 5 51 | 15 21 | 4 24 | 4 53 | 3 3 | 2 53 | 3 48 |
| T 27 | 14 4 | 18 18 | 5 1 | 13 36 | 1 22 | 27 32 | 4 30 | 24 28 | 1 37 | 14 9 | 0 58 | 11 53 | 2 43 | 17 10 | 0 25 | 17 24 | 0 26 | 5 50 | 15 21 | 4 27 | 4 54 | 3 1 | 2 51 | 3 48 |
| W28 | 14 23 | 17 56 | 4 37 | 13 6 | 1 5 | 27 37 | 4 32 | 24 24 | 1 37 | 14 13 | 0 58 | 11 51 | 2 43 | 17 9 | 0 25 | 17 24 | 0 26 | 5 50 | 15 21 | 4 29 | 4 55 | 3 0 | 2 49 | 3 47 |
| T 29 | 14 41 | 16 34 | 3 58 | 12 36 | 0 49 | 27 41 | 4 34 | 24 21 | 1 37 | 14 17 | 0 58 | 11 50 | 2 43 | 17 9 | 0 25 | 17 23 | 0 26 | 5 50 | 15 21 | 4 30 | 4 56 | 2 58 | 2 48 | 3 46 |
| F 30 | 14n59 | 14n14 | 3s 5 | 12n 7 | 0n32 | 27n46 | 4n36 | 24n17 | 1n36 | 14n22 | 0s58 | 11s48 | 2n43 | 17s 8 | 0n25 | 17s23 | 0n26 | 5s49 | 15n21 | 4n30 | 4n57 | 2s56 | 2s46 | 3s46 |

Julian Day Number = 2811034.5, Delta T = 53m10s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°31'06, Lahiri = 37°38'06


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# ASTRODIENST EPHEMERIS for the year 2984
# geocentric

## MAY 2984 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 39 53 | 11♉48'13 | 25♌38 | 0°R 3 | 24♊28 | 13♋28 | 12♉ 2 | 8°R48 | 19°R33 | 9♒22 | 4°R32 | 18♍34 | 17♍20 | 24♓ 3 | 28°R13 | S 1 |
| S 2 | 14 43 49 | 12°46'58 | 9♍53 | 29♈33 | 25° 7 | 14° 4 | 12°16 | 8♏44 | 19♏30 | 9°22 | 4♐31 | 18°35 | 17°17 | 24°10 | 28♍10 | S 2 |
| M 3 | 14 47 46 | 13°45'40 | 24°22 | 29° 7 | 25°46 | 14°40 | 12°30 | 8°39 | 19°28 | 9°23 | 4°29 | 18°R35 | 17°14 | 24°17 | 28° 8 | M 3 |
| T 4 | 14 51 42 | 14°44'20 | 9♎ 3 | 28°47 | 26°23 | 15°16 | 12°45 | 8°34 | 19°25 | 9°23 | 4°28 | 18°33 | 17°10 | 24°23 | 28° 5 | T 4 |
| W 5 | 14 55 39 | 15°42'58 | 23°49 | 28°31 | 26°59 | 15°52 | 12°59 | 8°30 | 19°23 | 9°23 | 4°26 | 18°29 | 17° 7 | 24°30 | 28° 3 | W 5 |
| T 6 | 14 59 35 | 16°41'34 | 8♏35 | 28°21 | 27°34 | 16°27 | 13°14 | 8°25 | 19°20 | 9°23 | 4°25 | 18°23 | 17° 4 | 24°37 | 28° 1 | T 6 |
| F 7 | 15 3 32 | 17°40'09 | 23°11 | 28°15 | 28° 8 | 17° 3 | 13°28 | 8°21 | 19°17 | 9°23 | 4°23 | 18°14 | 17° 1 | 24°43 | 27°59 | F 7 |
| S 8 | 15 7 28 | 18°38'41 | 7♐32 | 28°D15 | 28°40 | 17°39 | 13°43 | 8°16 | 19°15 | 9°24 | 4°21 | 18° 5 | 16°58 | 24°50 | 27°57 | S 8 |
| S 9 | 15 11 25 | 19°37'12 | 21°30 | 28°19 | 29°10 | 18°15 | 13°57 | 8°12 | 19°12 | 9°24 | 4°20 | 17°55 | 16°55 | 24°57 | 27°55 | S 9 |
| M10 | 15 15 22 | 20°35'41 | 5♑ 4 | 28°29 | 29°39 | 18°51 | 14°12 | 8° 7 | 19°10 | 9°24 | 4°18 | 17°47 | 16°51 | 25° 3 | 27°53 | M10 |
| T 11 | 15 19 18 | 21°34'08 | 18°11 | 28°43 | 0♋ 6 | 19°27 | 14°26 | 8° 3 | 19° 7 | 9°R24 | 4°17 | 17°40 | 16°48 | 25°10 | 27°52 | T 11 |
| W12 | 15 23 15 | 22°32'34 | 0♒54 | 29° 2 | 0°32 | 20° 3 | 14°41 | 7°58 | 19° 5 | 9°24 | 4°15 | 17°35 | 16°45 | 25°17 | 27°50 | W12 |
| T 13 | 15 27 11 | 23°30'58 | 13°15 | 29°25 | 0°56 | 20°39 | 14°55 | 7°54 | 19° 2 | 9°24 | 4°13 | 17°33 | 16°42 | 25°23 | 27°49 | T 13 |
| F 14 | 15 31 8 | 24°29'21 | 25°20 | 29°53 | 1°19 | 21°15 | 15° 9 | 7°50 | 18°59 | 9°23 | 4°12 | 17°D32 | 16°39 | 25°30 | 27°48 | F 14 |
| S 15 | 15 35 4 | 25°27'42 | 7♓14 | 0♉25 | 1°39 | 21°51 | 15°24 | 7°45 | 18°57 | 9°23 | 4°10 | 17°33 | 16°35 | 25°36 | 27°46 | S 15 |
| S 16 | 15 39 1 | 26°26'02 | 19° 2 | 1° 1 | 1°58 | 22°27 | 15°38 | 7°41 | 18°54 | 9°23 | 4° 8 | 17°R33 | 16°32 | 25°43 | 27°45 | S 16 |
| M17 | 15 42 57 | 27°24'20 | 0♈49 | 1°41 | 2°14 | 23° 4 | 15°52 | 7°37 | 18°52 | 9°23 | 4° 7 | 17°32 | 16°29 | 25°50 | 27°44 | M17 |
| T 18 | 15 46 54 | 28°22'36 | 12°41 | 2°24 | 2°29 | 23°40 | 16° 7 | 7°33 | 18°49 | 9°23 | 4° 5 | 17°29 | 16°26 | 25°56 | 27°43 | T 18 |
| W19 | 15 50 51 | 29°20'51 | 24°41 | 3°11 | 2°42 | 24°16 | 16°21 | 7°28 | 18°47 | 9°22 | 4° 3 | 17°24 | 16°23 | 26° 3 | 27°43 | W19 |
| T 20 | 15 54 47 | 0♊19'05 | 6♉52 | 4° 2 | 2°52 | 24°52 | 16°35 | 7°24 | 18°44 | 9°22 | 4° 2 | 17°16 | 16°20 | 26°10 | 27°42 | T 20 |
| F 21 | 15 58 44 | 1°17'17 | 19°18 | 4°56 | 3° 0 | 25°28 | 16°50 | 7°20 | 18°42 | 9°22 | 4° 0 | 17° 6 | 16°16 | 26°16 | 27°41 | F 21 |
| S 22 | 16 2 40 | 2°15'27 | 1♊58 | 5°53 | 3° 7 | 26° 5 | 17° 4 | 7°16 | 18°39 | 9°21 | 3°58 | 16°54 | 16°13 | 26°23 | 27°41 | S 22 |
| S 23 | 16 6 37 | 3°13'36 | 14°52 | 6°53 | 3°10 | 26°41 | 17°18 | 7°12 | 18°37 | 9°21 | 3°57 | 16°41 | 16°10 | 26°30 | 27°41 | S 23 |
| M24 | 16 10 33 | 4°11'43 | 28° 0 | 7°55 | 3°R12 | 27°17 | 17°32 | 7° 9 | 18°34 | 9°21 | 3°55 | 16°29 | 16° 7 | 26°36 | 27°41 | M24 |
| T 25 | 16 14 30 | 5° 9'49 | 11♋21 | 9° 1 | 3°11 | 27°53 | 17°46 | 7° 5 | 18°32 | 9°20 | 3°53 | 16°19 | 16° 4 | 26°43 | 27°D40 | T 25 |
| W26 | 16 18 26 | 6° 7'53 | 24°52 | 10°10 | 3° 8 | 28°30 | 18° 0 | 7° 1 | 18°30 | 9°20 | 3°52 | 16°11 | 16° 1 | 26°50 | 27°41 | W26 |
| T 27 | 16 22 23 | 7° 5'54 | 8♌33 | 11°21 | 3° 2 | 29° 6 | 18°14 | 6°57 | 18°27 | 9°19 | 3°50 | 16° 6 | 15°57 | 26°56 | 27°41 | T 27 |
| F 28 | 16 26 20 | 8° 3'55 | 22°23 | 12°34 | 2°54 | 29°42 | 18°29 | 6°54 | 18°25 | 9°19 | 3°48 | 16° 4 | 15°54 | 27° 3 | 27°41 | F 28 |
| S 29 | 16 30 16 | 9° 1'53 | 6♍21 | 13°51 | 2°44 | 0♌19 | 18°43 | 6°50 | 18°22 | 9°18 | 3°47 | 16° 3 | 15°51 | 27° 9 | 27°41 | S 29 |
| S 30 | 16 34 13 | 9°59'49 | 20°27 | 15° 9 | 2°31 | 0°55 | 18°57 | 6°47 | 18°20 | 9°17 | 3°45 | 16° 3 | 15°48 | 27°16 | 27°42 | S 30 |
| M31 | 16 38 9 | 10♊57'44 | 4♎40 | 16♉31 | 2♋15 | 1♌31 | 19♉10 | 6♏43 | 18♏18 | 9♒17 | 3♐43 | 16♍ 2 | 15♍45 | 27♓23 | 27♍42 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n18 | 11n 1 | 2s 0 | 11n39 | 0n15 | 27n49 | 4n38 | 24n13 | 1n36 | 14n26 | 0s58 | 11s47 | 2n43 | 17s 7 | 0n25 | 17s23 | 0n26 | 5s49 | 15n22 | 4n30 | 4n59 | 2s54 | 2s44 | 3s45 |
| S 2 | 15 35 | 7 6 | 0 47 | 11 13 | 0s 2 | 27 52 | 4 39 | 24 9 | 1 36 | 14 31 | 0 58 | 11 46 | 2 43 | 17 7 | 0 25 | 17 23 | 0 26 | 5 48 | 15 22 | 4 30 | 5 0 | 2 52 | 2 43 | 3 44 |
| M 3 | 15 53 | 2 42 | 0n31 | 10 49 | 0 18 | 27 55 | 4 40 | 24 5 | 1 35 | 14 35 | 0 58 | 11 44 | 2 43 | 17 6 | 0 25 | 17 23 | 0 26 | 5 48 | 15 22 | 4 30 | 5 1 | 2 51 | 2 41 | 3 44 |
| T 4 | 16 10 | 1s55 | 1 48 | 10 27 | 0 34 | 27 57 | 4 42 | 24 1 | 1 35 | 14 40 | 0 58 | 11 43 | 2 43 | 17 5 | 0 25 | 17 23 | 0 26 | 5 48 | 15 22 | 4 30 | 5 2 | 2 49 | 2 40 | 3 43 |
| W 5 | 16 27 | 6 27 | 2 57 | 10 7 | 0 50 | 27 59 | 4 42 | 23 57 | 1 35 | 14 44 | 0 58 | 11 41 | 2 43 | 17 5 | 0 25 | 17 23 | 0 26 | 5 47 | 15 22 | 4 32 | 5 4 | 2 47 | 2 38 | 3 42 |
| T 6 | 16 44 | 10 34 | 3 55 | 9 49 | 1 4 | 28 0 | 4 43 | 23 52 | 1 35 | 14 48 | 0 58 | 11 40 | 2 43 | 17 4 | 0 25 | 17 23 | 0 26 | 5 47 | 15 22 | 4 34 | 5 5 | 2 45 | 2 37 | 3 42 |
| F 7 | 17 1 | 14 0 | 4 36 | 9 34 | 1 19 | 28 1 | 4 43 | 23 47 | 1 34 | 14 53 | 0 58 | 11 39 | 2 43 | 17 3 | 0 25 | 17 23 | 0 26 | 5 46 | 15 22 | 4 38 | 5 6 | 2 43 | 2 35 | 3 41 |
| S 8 | 17 17 | 16 31 | 5 0 | 9 22 | 1 32 | 28 2 | 4 44 | 23 42 | 1 34 | 14 57 | 0 58 | 11 37 | 2 43 | 17 2 | 0 25 | 17 23 | 0 26 | 5 46 | 15 22 | 4 41 | 5 7 | 2 42 | 2 34 | 3 40 |
| S 9 | 17 33 | 17 59 | 5 4 | 9 11 | 1 44 | 28 2 | 4 43 | 23 37 | 1 34 | 15 1 | 0 58 | 11 36 | 2 42 | 17 2 | 0 25 | 17 23 | 0 26 | 5 46 | 15 22 | 4 45 | 5 9 | 2 40 | 2 32 | 3 40 |
| M10 | 17 48 | 18 22 | 4 51 | 9 4 | 1 56 | 28 2 | 4 43 | 23 32 | 1 34 | 15 6 | 0 58 | 11 34 | 2 42 | 17 1 | 0 25 | 17 23 | 0 27 | 5 45 | 15 23 | 4 48 | 5 10 | 2 38 | 2 31 | 3 39 |
| T 11 | 18 3 | 17 44 | 4 23 | 8 59 | 2 7 | 28 1 | 4 42 | 23 27 | 1 33 | 15 10 | 0 58 | 11 33 | 2 42 | 17 0 | 0 25 | 17 23 | 0 27 | 5 45 | 15 23 | 4 51 | 5 11 | 2 36 | 2 30 | 3 38 |
| W12 | 18 18 | 16 14 | 3 42 | 8 56 | 2 17 | 28 0 | 4 41 | 23 21 | 1 33 | 15 14 | 0 58 | 11 32 | 2 42 | 17 0 | 0 25 | 17 23 | 0 27 | 5 45 | 15 23 | 4 53 | 5 12 | 2 34 | 2 29 | 3 38 |
| T 13 | 18 33 | 14 0 | 2 52 | 8 55 | 2 26 | 27 58 | 4 40 | 23 15 | 1 33 | 15 18 | 0 58 | 11 30 | 2 42 | 16 59 | 0 25 | 17 23 | 0 27 | 5 44 | 15 23 | 4 54 | 5 13 | 2 32 | 2 27 | 3 37 |
| F 14 | 18 47 | 11 11 | 1 56 | 8 57 | 2 35 | 27 57 | 4 38 | 23 10 | 1 32 | 15 22 | 0 58 | 11 29 | 2 42 | 16 58 | 0 25 | 17 23 | 0 27 | 5 44 | 15 23 | 4 54 | 5 15 | 2 31 | 2 26 | 3 36 |
| S 15 | 19 1 | 7 58 | 0 55 | 9 1 | 2 42 | 27 54 | 4 37 | 23 4 | 1 32 | 15 27 | 0 58 | 11 28 | 2 42 | 16 58 | 0 25 | 17 23 | 0 27 | 5 44 | 15 23 | 4 54 | 5 16 | 2 29 | 2 25 | 3 36 |
| S 16 | 19 15 | 4 26 | 0s 8 | 9 7 | 2 49 | 27 52 | 4 34 | 22 57 | 1 32 | 15 31 | 0 58 | 11 27 | 2 42 | 16 57 | 0 25 | 17 23 | 0 27 | 5 43 | 15 23 | 4 54 | 5 17 | 2 27 | 2 24 | 3 35 |
| M17 | 19 28 | 0 45 | 1 10 | 9 15 | 2 55 | 27 49 | 4 31 | 22 51 | 1 31 | 15 35 | 0 58 | 11 25 | 2 42 | 16 56 | 0 25 | 17 23 | 0 27 | 5 43 | 15 23 | 4 54 | 5 18 | 2 25 | 2 23 | 3 34 |
| T 18 | 19 41 | 2n59 | 2 10 | 9 25 | 3 0 | 27 46 | 4 28 | 22 45 | 1 31 | 15 39 | 0 58 | 11 24 | 2 42 | 16 56 | 0 25 | 17 23 | 0 27 | 5 43 | 15 23 | 4 55 | 5 20 | 2 23 | 2 22 | 3 34 |
| W19 | 19 54 | 6 39 | 3 4 | 9 37 | 3 5 | 27 42 | 4 25 | 22 38 | 1 31 | 15 43 | 0 58 | 11 23 | 2 41 | 16 55 | 0 25 | 17 23 | 0 27 | 5 43 | 15 23 | 4 57 | 5 21 | 2 21 | 2 21 | 3 33 |
| T 20 | 20 6 | 10 6 | 3 51 | 9 50 | 3 8 | 27 38 | 4 21 | 22 31 | 1 31 | 15 47 | 0 58 | 11 22 | 2 41 | 16 54 | 0 25 | 17 23 | 0 27 | 5 42 | 15 23 | 5 0 | 5 22 | 2 20 | 2 20 | 3 32 |
| F 21 | 20 18 | 13 10 | 4 27 | 10 5 | 3 11 | 27 33 | 4 17 | 22 25 | 1 30 | 15 51 | 0 58 | 11 21 | 2 41 | 16 54 | 0 25 | 17 23 | 0 27 | 5 42 | 15 23 | 5 4 | 5 23 | 2 18 | 2 19 | 3 31 |
| S 22 | 20 30 | 15 41 | 4 51 | 10 22 | 3 13 | 27 28 | 4 12 | 22 17 | 1 30 | 15 55 | 0 58 | 11 19 | 2 41 | 16 53 | 0 25 | 17 23 | 0 27 | 5 42 | 15 23 | 5 9 | 5 24 | 2 16 | 2 19 | 3 31 |
| S 23 | 20 41 | 17 28 | 5 1 | 10 40 | 3 15 | 27 23 | 4 7 | 22 10 | 1 30 | 15 59 | 0 58 | 11 18 | 2 41 | 16 52 | 0 25 | 17 23 | 0 27 | 5 42 | 15 23 | 5 14 | 5 26 | 2 14 | 2 18 | 3 30 |
| M24 | 20 52 | 18 22 | 4 55 | 11 0 | 3 15 | 27 17 | 4 1 | 22 3 | 1 29 | 16 3 | 0 58 | 11 17 | 2 41 | 16 52 | 0 25 | 17 24 | 0 27 | 5 41 | 15 23 | 5 18 | 5 27 | 2 12 | 2 17 | 3 29 |
| T 25 | 21 3 | 18 17 | 4 33 | 11 20 | 3 15 | 27 11 | 3 55 | 21 55 | 1 29 | 16 7 | 0 58 | 11 16 | 2 41 | 16 51 | 0 25 | 17 24 | 0 27 | 5 41 | 15 23 | 5 22 | 5 28 | 2 11 | 2 16 | 3 29 |
| W26 | 21 13 | 17 10 | 3 56 | 11 42 | 3 15 | 27 5 | 3 48 | 21 48 | 1 29 | 16 11 | 0 58 | 11 15 | 2 41 | 16 50 | 0 25 | 17 24 | 0 27 | 5 41 | 15 23 | 5 25 | 5 29 | 2 9 | 2 16 | 3 28 |
| T 27 | 21 23 | 15 3 | 3 5 | 12 5 | 3 13 | 26 58 | 3 41 | 21 40 | 1 28 | 16 15 | 0 58 | 11 14 | 2 40 | 16 50 | 0 25 | 17 24 | 0 27 | 5 41 | 15 22 | 5 27 | 5 31 | 2 7 | 2 15 | 3 27 |
| F 28 | 21 32 | 12 3 | 2 2 | 12 29 | 3 11 | 26 50 | 3 34 | 21 32 | 1 28 | 16 19 | 0 58 | 11 13 | 2 40 | 16 49 | 0 25 | 17 24 | 0 27 | 5 40 | 15 22 | 5 28 | 5 32 | 2 5 | 2 15 | 3 27 |
| S 29 | 21 41 | 8 20 | 0 51 | 12 54 | 3 9 | 26 42 | 3 26 | 21 24 | 1 28 | 16 22 | 0 58 | 11 12 | 2 40 | 16 49 | 0 25 | 17 24 | 0 27 | 5 40 | 15 22 | 5 28 | 5 33 | 2 3 | 2 14 | 3 26 |
| S 30 | 21 50 | 4 7 | 0n23 | 13 20 | 3 6 | 26 34 | 3 17 | 21 16 | 1 27 | 16 26 | 0 58 | 11 11 | 2 40 | 16 48 | 0 25 | 17 24 | 0 27 | 5 40 | 15 22 | 5 28 | 5 34 | 2 1 | 2 14 | 3 25 |
| M31 | 21n58 | 0s22 | 1n37 | 13n46 | 3s 2 | 26n25 | 3n 8 | 21n 8 | 1n27 | 16n30 | 0s58 | 11s10 | 2n40 | 16s47 | 0n25 | 17s24 | 0n27 | 5s40 | 15n22 | 5n29 | 5n36 | 2s 0 | 2s13 | 3s24 |

Julian Day Number = 2811064.5, Delta T = 53m11s
Ecliptic obliquity = 23°18'33, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°31'10, Lahiri = 37°38'10


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# ASTRODIENST EPHEMERIS for the year 2984
# geocentric

## JUNE 2984 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 42 6 | 11♊55'36 | 18♎59 | 17♉54 | 1°R57 | 2♌ 8 | 19♉24 | 6°R40 | 18°R16 | 9°R16 | 3°R42 | 16°R 0 | 15♍41 | 27♓29 | 27♍43 | T 1 |
| W 2 | 16 46 2 | 12°53'28 | 3♏21 | 19°20 | 1♋37 | 2°44 | 19°38 | 6♏36 | 18♏13 | 9♒15 | 3♐40 | 15♍54 | 15°38 | 27°36 | 27°44 | W 2 |
| T 3 | 16 49 59 | 13°51'17 | 17°41 | 20°48 | 1°15 | 3°20 | 19°52 | 6°33 | 18°11 | 9°15 | 3°38 | 15°46 | 15°35 | 27°43 | 27°45 | T 3 |
| F 4 | 16 53 55 | 14°49'05 | 1♐55 | 22°19 | 0°50 | 3°57 | 20° 6 | 6°30 | 18° 9 | 9°14 | 3°37 | 15°36 | 15°32 | 27°49 | 27°46 | F 4 |
| S 5 | 16 57 52 | 15°46'52 | 15°56 | 23°51 | 0°24 | 4°33 | 20°20 | 6°27 | 18° 7 | 9°13 | 3°35 | 15°24 | 15°29 | 27°56 | 27°47 | S 5 |
| S 6 | 17 1 49 | 16°44'37 | 29°41 | 25°26 | 29♊55 | 5°10 | 20°33 | 6°24 | 18° 5 | 9°12 | 3°33 | 15°12 | 15°26 | 28° 3 | 27°48 | S 6 |
| M 7 | 17 5 45 | 17°42'21 | 13♋ 5 | 27° 4 | 29°25 | 5°46 | 20°47 | 6°21 | 18° 2 | 9°12 | 3°32 | 15° 1 | 15°22 | 28° 9 | 27°50 | M 7 |
| T 8 | 17 9 42 | 18°40'04 | 26° 7 | 28°43 | 28°53 | 6°23 | 21° 1 | 6°18 | 18° 0 | 9°11 | 3°30 | 14°52 | 15°19 | 28°16 | 27°51 | T 8 |
| W 9 | 17 13 38 | 19°37'46 | 8♒48 | 0♊25 | 28°19 | 6°59 | 21°14 | 6°16 | 17°58 | 9°10 | 3°29 | 14°46 | 15°16 | 28°23 | 27°53 | W 9 |
| T 10 | 17 17 35 | 20°35'27 | 21° 9 | 2° 9 | 27°44 | 7°36 | 21°28 | 6°13 | 17°56 | 9° 9 | 3°27 | 14°42 | 15°13 | 28°29 | 27°55 | T 10 |
| F 11 | 17 21 31 | 21°33'07 | 3♓15 | 3°56 | 27° 8 | 8°12 | 21°41 | 6°10 | 17°54 | 9° 8 | 3°25 | 14°40 | 15°10 | 28°36 | 27°56 | F 11 |
| S 12 | 17 25 28 | 22°30'45 | 15°10 | 5°44 | 26°32 | 8°49 | 21°55 | 6° 8 | 17°52 | 9° 7 | 3°24 | 14°D40 | 15° 6 | 28°43 | 27°58 | S 12 |
| S 13 | 17 29 24 | 23°28'23 | 26°59 | 7°35 | 25°55 | 9°25 | 22° 8 | 6° 6 | 17°50 | 9° 6 | 3°22 | 14°R40 | 15° 3 | 28°49 | 28° 0 | S 13 |
| M14 | 17 33 21 | 24°26'00 | 8♈48 | 9°28 | 25°17 | 10° 2 | 22°21 | 6° 3 | 17°48 | 9° 5 | 3°21 | 14°39 | 15° 0 | 28°56 | 28° 3 | M14 |
| T 15 | 17 37 18 | 25°23'36 | 20°42 | 11°24 | 24°39 | 10°38 | 22°35 | 6° 1 | 17°47 | 9° 4 | 3°19 | 14°37 | 14°57 | 29° 3 | 28° 5 | T 15 |
| W16 | 17 41 14 | 26°21'11 | 2♉47 | 13°21 | 24° 2 | 11°15 | 22°48 | 5°59 | 17°45 | 9° 3 | 3°18 | 14°32 | 14°54 | 29° 9 | 28° 7 | W16 |
| T 17 | 17 45 11 | 27°18'46 | 15° 5 | 15°21 | 23°25 | 11°52 | 23° 1 | 5°57 | 17°43 | 9° 2 | 3°16 | 14°25 | 14°51 | 29°16 | 28°10 | T 17 |
| F 18 | 17 49 7 | 28°16'20 | 27°41 | 17°22 | 22°48 | 12°28 | 23°14 | 5°55 | 17°41 | 9° 1 | 3°15 | 14°15 | 14°47 | 29°22 | 28°12 | F 18 |
| S 19 | 17 53 4 | 29°13'52 | 10♊35 | 19°26 | 22°13 | 13° 5 | 23°27 | 5°53 | 17°39 | 9° 0 | 3°13 | 14° 4 | 14°44 | 29°29 | 28°15 | S 19 |
| S 20 | 17 57 0 | 0♋11'24 | 23°48 | 21°31 | 21°38 | 13°42 | 23°40 | 5°51 | 17°38 | 8°58 | 3°12 | 13°52 | 14°41 | 29°36 | 28°18 | S 20 |
| M21 | 18 0 57 | 1° 8'55 | 7♋19 | 23°38 | 21° 5 | 14°18 | 23°53 | 5°50 | 17°36 | 8°57 | 3°10 | 13°41 | 14°38 | 29°42 | 28°21 | M21 |
| T 22 | 18 4 53 | 2° 6'26 | 21° 3 | 25°46 | 20°33 | 14°55 | 24° 6 | 5°48 | 17°35 | 8°56 | 3° 9 | 13°31 | 14°35 | 29°49 | 28°24 | T 22 |
| W23 | 18 8 50 | 3° 3'55 | 4♌59 | 27°56 | 20° 3 | 15°32 | 24°19 | 5°46 | 17°33 | 8°55 | 3° 7 | 13°24 | 14°32 | 29°56 | 28°27 | W23 |
| T 24 | 18 12 47 | 4° 1'23 | 19° 2 | 0♋ 6 | 19°34 | 16° 8 | 24°31 | 5°45 | 17°32 | 8°54 | 3° 6 | 13°19 | 14°28 | 0♈ 2 | 28°30 | T 24 |
| F 25 | 18 16 43 | 4°58'50 | 3♍ 9 | 2°18 | 19° 8 | 16°45 | 24°44 | 5°44 | 17°30 | 8°52 | 3° 5 | 13°17 | 14°25 | 0° 9 | 28°33 | F 25 |
| S 26 | 18 20 40 | 5°56'16 | 17°18 | 4°29 | 18°43 | 17°22 | 24°57 | 5°43 | 17°29 | 8°51 | 3° 3 | 13°D17 | 14°22 | 0°16 | 28°37 | S 26 |
| S 27 | 18 24 36 | 6°53'40 | 1♎27 | 6°42 | 18°21 | 17°59 | 25° 9 | 5°42 | 17°27 | 8°50 | 3° 2 | 13°R17 | 14°19 | 0°22 | 28°40 | S 27 |
| M28 | 18 28 33 | 7°51'04 | 15°34 | 8°54 | 18° 0 | 18°35 | 25°22 | 5°41 | 17°26 | 8°49 | 3° 1 | 13°17 | 14°16 | 0°29 | 28°44 | M28 |
| T 29 | 18 32 29 | 8°48'27 | 29°40 | 11° 6 | 17°43 | 19°12 | 25°34 | 5°40 | 17°25 | 8°47 | 2°59 | 13°15 | 14°12 | 0°36 | 28°48 | T 29 |
| W30 | 18 36 26 | 9♋45'48 | 13♏42 | 13♋17 | 17♊27 | 19♌49 | 25♉46 | 5♏39 | 17♏23 | 8♒46 | 2♐58 | 13♍11 | 14♍ 9 | 0♈42 | 28♍52 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n 6 | 4s51 | 2n45 | 14n14 | 2s58 | 26n16 | 2n58 | 20n59 | 1n27 | 16n34 | 0s58 | 11s 9 | 2n40 | 16s47 | 0n25 | 17s25 | 0n27 | 5s40 | 15n22 | 5n30 | 5n37 | 1s58 | 2s13 | 3s24 |
| W 2 | 22 13 | 9 4 | 3 42 | 14 42 | 2 53 | 26 6 | 2 48 | 20 51 | 1 26 | 16 37 | 0 58 | 11 8 | 2 39 | 16 46 | 0 25 | 17 25 | 0 27 | 5 40 | 15 22 | 5 32 | 5 38 | 1 56 | 2 13 | 3 23 |
| T 3 | 22 20 | 12 45 | 4 26 | 15 10 | 2 47 | 25 55 | 2 37 | 20 42 | 1 26 | 16 41 | 0 58 | 11 7 | 2 39 | 16 45 | 0 25 | 17 25 | 0 27 | 5 40 | 15 22 | 5 35 | 5 39 | 1 54 | 2 12 | 3 22 |
| F 4 | 22 27 | 15 39 | 4 52 | 15 39 | 2 41 | 25 44 | 2 26 | 20 33 | 1 26 | 16 45 | 0 58 | 11 7 | 2 39 | 16 45 | 0 25 | 17 25 | 0 27 | 5 39 | 15 21 | 5 39 | 5 40 | 1 52 | 2 12 | 3 22 |
| S 5 | 22 33 | 17 35 | 5 1 | 16 8 | 2 35 | 25 33 | 2 14 | 20 24 | 1 25 | 16 48 | 0 58 | 11 6 | 2 39 | 16 44 | 0 25 | 17 25 | 0 27 | 5 39 | 15 21 | 5 43 | 5 42 | 1 50 | 2 12 | 3 21 |
| S 6 | 22 39 | 18 27 | 4 51 | 16 37 | 2 28 | 25 21 | 2 2 | 20 15 | 1 25 | 16 52 | 0 58 | 11 5 | 2 39 | 16 44 | 0 25 | 17 26 | 0 27 | 5 39 | 15 21 | 5 48 | 5 43 | 1 49 | 2 12 | 3 20 |
| M 7 | 22 45 | 18 16 | 4 26 | 17 7 | 2 21 | 25 8 | 1 49 | 20 6 | 1 25 | 16 55 | 0 58 | 11 4 | 2 38 | 16 43 | 0 25 | 17 26 | 0 27 | 5 39 | 15 21 | 5 52 | 5 44 | 1 47 | 2 12 | 3 20 |
| T 8 | 22 50 | 17 5 | 3 47 | 17 36 | 2 13 | 24 55 | 1 37 | 19 56 | 1 24 | 16 59 | 0 58 | 11 3 | 2 38 | 16 43 | 0 25 | 17 26 | 0 27 | 5 39 | 15 21 | 5 56 | 5 45 | 1 45 | 2 12 | 3 19 |
| W 9 | 22 54 | 15 6 | 2 58 | 18 6 | 2 4 | 24 41 | 1 23 | 19 47 | 1 24 | 17 2 | 0 58 | 11 3 | 2 38 | 16 42 | 0 25 | 17 26 | 0 27 | 5 39 | 15 21 | 5 58 | 5 47 | 1 43 | 2 12 | 3 18 |
| T 10 | 22 59 | 12 27 | 2 1 | 18 35 | 1 56 | 24 27 | 1 10 | 19 37 | 1 24 | 17 6 | 0 58 | 11 2 | 2 38 | 16 41 | 0 24 | 17 27 | 0 27 | 5 39 | 15 20 | 6 0 | 5 48 | 1 41 | 2 12 | 3 17 |
| F 11 | 23 2 | 9 19 | 1 0 | 19 4 | 1 47 | 24 13 | 0 56 | 19 28 | 1 23 | 17 9 | 0 58 | 11 2 | 2 38 | 16 41 | 0 24 | 17 27 | 0 27 | 5 39 | 15 20 | 6 0 | 5 49 | 1 39 | 2 12 | 3 17 |
| S 12 | 23 6 | 5 51 | 0s 3 | 19 33 | 1 37 | 23 58 | 0 42 | 19 18 | 1 23 | 17 13 | 0 58 | 11 1 | 2 37 | 16 40 | 0 24 | 17 27 | 0 27 | 5 39 | 15 20 | 6 0 | 5 50 | 1 37 | 2 12 | 3 16 |
| S 13 | 23 9 | 2 11 | 1 5 | 20 1 | 1 27 | 23 42 | 0 28 | 19 8 | 1 23 | 17 16 | 0 58 | 11 0 | 2 37 | 16 40 | 0 24 | 17 27 | 0 27 | 5 39 | 15 20 | 6 0 | 5 51 | 1 36 | 2 12 | 3 15 |
| M14 | 23 12 | 1n34 | 2 4 | 20 29 | 1 17 | 23 27 | 0 13 | 18 58 | 1 22 | 17 19 | 0 58 | 11 0 | 2 37 | 16 39 | 0 24 | 17 28 | 0 27 | 5 39 | 15 19 | 6 1 | 5 53 | 1 34 | 2 12 | 3 15 |
| T 15 | 23 14 | 5 17 | 2 59 | 20 55 | 1 7 | 23 11 | 0s 1 | 18 47 | 1 22 | 17 23 | 0 58 | 10 59 | 2 37 | 16 39 | 0 24 | 17 28 | 0 27 | 5 39 | 15 19 | 6 2 | 5 54 | 1 32 | 2 13 | 3 14 |
| W16 | 23 16 | 8 50 | 3 46 | 21 21 | 0 56 | 22 55 | 0 15 | 18 37 | 1 22 | 17 26 | 0 58 | 10 59 | 2 36 | 16 38 | 0 24 | 17 28 | 0 27 | 5 39 | 15 19 | 6 3 | 5 55 | 1 30 | 2 13 | 3 13 |
| T 17 | 23 17 | 12 4 | 4 24 | 21 45 | 0 46 | 22 39 | 0 29 | 18 27 | 1 21 | 17 29 | 0 58 | 10 58 | 2 36 | 16 38 | 0 24 | 17 28 | 0 27 | 5 39 | 15 19 | 6 6 | 5 56 | 1 28 | 2 13 | 3 13 |
| F 18 | 23 18 | 14 50 | 4 49 | 22 8 | 0 35 | 22 23 | 0 44 | 18 16 | 1 21 | 17 33 | 0 58 | 10 58 | 2 36 | 16 37 | 0 24 | 17 29 | 0 27 | 5 39 | 15 18 | 6 10 | 5 58 | 1 26 | 2 14 | 3 12 |
| S 19 | 23 18 | 16 57 | 5 1 | 22 30 | 0 24 | 22 8 | 0 57 | 18 5 | 1 21 | 17 36 | 0 58 | 10 58 | 2 36 | 16 37 | 0 24 | 17 29 | 0 27 | 5 39 | 15 18 | 6 14 | 5 59 | 1 25 | 2 14 | 3 11 |
| S 20 | 23 19 | 18 13 | 4 57 | 22 49 | 0 13 | 21 52 | 1 11 | 17 55 | 1 20 | 17 39 | 0 58 | 10 57 | 2 35 | 16 37 | 0 24 | 17 29 | 0 27 | 5 39 | 15 18 | 6 19 | 6 0 | 1 23 | 2 15 | 3 11 |
| M21 | 23 18 | 18 30 | 4 37 | 23 7 | 0 2 | 21 36 | 1 24 | 17 44 | 1 20 | 17 42 | 0 58 | 10 57 | 2 35 | 16 36 | 0 24 | 17 30 | 0 27 | 5 39 | 15 17 | 6 23 | 6 1 | 1 21 | 2 15 | 3 10 |
| T 22 | 23 18 | 17 43 | 4 0 | 23 23 | 0n 9 | 21 21 | 1 37 | 17 33 | 1 20 | 17 45 | 0 58 | 10 57 | 2 35 | 16 36 | 0 24 | 17 30 | 0 27 | 5 39 | 15 17 | 6 27 | 6 2 | 1 19 | 2 16 | 3 9 |
| W23 | 23 16 | 15 52 | 3 9 | 23 37 | 0 19 | 21 6 | 1 50 | 17 21 | 1 19 | 17 48 | 0 58 | 10 56 | 2 35 | 16 35 | 0 24 | 17 30 | 0 27 | 5 39 | 15 17 | 6 30 | 6 4 | 1 17 | 2 16 | 3 9 |
| T 24 | 23 15 | 13 3 | 2 5 | 23 48 | 0 29 | 20 52 | 2 2 | 17 10 | 1 19 | 17 51 | 0 58 | 10 56 | 2 34 | 16 35 | 0 24 | 17 31 | 0 27 | 5 39 | 15 17 | 6 31 | 6 5 | 1 15 | 2 17 | 3 8 |
| F 25 | 23 13 | 9 28 | 0 54 | 23 57 | 0 39 | 20 38 | 2 14 | 16 59 | 1 19 | 17 54 | 0 58 | 10 56 | 2 34 | 16 35 | 0 24 | 17 31 | 0 27 | 5 39 | 15 16 | 6 32 | 6 6 | 1 13 | 2 18 | 3 7 |
| S 26 | 23 11 | 5 19 | 0n21 | 24 3 | 0 49 | 20 25 | 2 26 | 16 47 | 1 18 | 17 57 | 0 59 | 10 56 | 2 34 | 16 34 | 0 24 | 17 31 | 0 27 | 5 39 | 15 16 | 6 32 | 6 7 | 1 12 | 2 18 | 3 7 |
| S 27 | 23 8 | 0 53 | 1 35 | 24 6 | 0 58 | 20 12 | 2 36 | 16 36 | 1 18 | 18 0 | 0 59 | 10 56 | 2 34 | 16 34 | 0 24 | 17 32 | 0 27 | 5 39 | 15 16 | 6 32 | 6 8 | 1 10 | 2 19 | 3 6 |
| M28 | 23 5 | 3s35 | 2 43 | 24 7 | 1 6 | 20 0 | 2 47 | 16 24 | 1 18 | 18 3 | 0 59 | 10 56 | 2 33 | 16 33 | 0 24 | 17 32 | 0 27 | 5 39 | 15 15 | 6 32 | 6 10 | 1 8 | 2 20 | 3 5 |
| T 29 | 23 1 | 7 50 | 3 41 | 24 5 | 1 14 | 19 49 | 2 57 | 16 12 | 1 17 | 18 6 | 0 59 | 10 56 | 2 33 | 16 33 | 0 24 | 17 32 | 0 27 | 5 40 | 15 15 | 6 33 | 6 11 | 1 6 | 2 21 | 3 5 |
| W30 | 22n57 | 11s38 | 4n25 | 24n 0 | 1n21 | 19n38 | 3s 6 | 16n 1 | 1n17 | 18n 9 | 0s59 | 10s56 | 2n33 | 16s33 | 0n24 | 17s33 | 0n27 | 5s40 | 15n14 | 6n34 | 6n12 | 1s 4 | 2s22 | 3s 4 |

Julian Day Number = 2811095.5, Delta T = 53m11s
Ecliptic obliquity = 23°18'33, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°31'14, Lahiri = 37°38'15


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# ASTRODIENST EPHEMERIS for the year 2984
# geocentric

## JULY 2984 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 40 22 | 10♋43'09 | 27♏38 | 15♋28 | 17°R14 | 20♌26 | 25♉58 | 5°R38 | 17°R22 | 8°R44 | 2°R57 | 13°R 5 | 14♍ 6 | 0♈49 | 28♍55 | T 1 |
| F 2 | 18 44 19 | 11°40'29 | 11♐25 | 17°37 | 17♊ 3 | 21° 3 | 26°11 | 5♏38 | 17♏21 | 8♒43 | 2♐56 | 12♍56 | 14° 3 | 0°56 | 28°59 | F 2 |
| S 3 | 18 48 16 | 12°37'49 | 25° 2 | 19°45 | 16°54 | 21°39 | 26°23 | 5°37 | 17°20 | 8°42 | 2°55 | 12°47 | 14° 0 | 1° 2 | 29° 4 | S 3 |
| S 4 | 18 52 12 | 13°35'07 | 8♑24 | 21°52 | 16°48 | 22°16 | 26°35 | 5°37 | 17°19 | 8°40 | 2°53 | 12°37 | 13°57 | 1° 9 | 29° 8 | S 4 |
| M 5 | 18 56 9 | 14°32'26 | 21°30 | 23°57 | 16°45 | 22°53 | 26°47 | 5°36 | 17°18 | 8°39 | 2°52 | 12°28 | 13°53 | 1°16 | 29°12 | M 5 |
| T 6 | 19 0 5 | 15°29'43 | 4♒19 | 26° 1 | 16°D43 | 23°30 | 26°58 | 5°36 | 17°17 | 8°37 | 2°51 | 12°20 | 13°50 | 1°22 | 29°16 | T 6 |
| W 7 | 19 4 2 | 16°27'00 | 16°50 | 28° 2 | 16°44 | 24° 7 | 27°10 | 5°36 | 17°16 | 8°36 | 2°50 | 12°15 | 13°47 | 1°29 | 29°21 | W 7 |
| T 8 | 19 7 58 | 17°24'17 | 29° 6 | 0♌ 2 | 16°48 | 24°44 | 27°22 | 5°D36 | 17°15 | 8°34 | 2°49 | 12°12 | 13°44 | 1°35 | 29°26 | T 8 |
| F 9 | 19 11 55 | 18°21'34 | 11♓10 | 1°59 | 16°53 | 25°21 | 27°33 | 5°36 | 17°14 | 8°33 | 2°48 | 12°D11 | 13°41 | 1°42 | 29°30 | F 9 |
| S 10 | 19 15 51 | 19°18'50 | 23° 4 | 3°55 | 17° 1 | 25°58 | 27°45 | 5°36 | 17°13 | 8°31 | 2°47 | 12°12 | 13°38 | 1°49 | 29°35 | S 10 |
| S 11 | 19 19 48 | 20°16'07 | 4♈53 | 5°48 | 17°11 | 26°34 | 27°56 | 5°37 | 17°13 | 8°30 | 2°46 | 12°13 | 13°34 | 1°55 | 29°40 | S 11 |
| M12 | 19 23 45 | 21°13'23 | 16°43 | 7°40 | 17°23 | 27°11 | 28° 8 | 5°37 | 17°12 | 8°28 | 2°45 | 12°R14 | 13°31 | 2° 2 | 29°45 | M12 |
| T 13 | 19 27 41 | 22°10'39 | 28°38 | 9°29 | 17°37 | 27°48 | 28°19 | 5°37 | 17°11 | 8°27 | 2°44 | 12°14 | 13°28 | 2° 9 | 29°50 | T 13 |
| W14 | 19 31 38 | 23° 7'55 | 10♉44 | 11°16 | 17°53 | 28°25 | 28°30 | 5°38 | 17°11 | 8°25 | 2°43 | 12°12 | 13°25 | 2°15 | 29°55 | W14 |
| T 15 | 19 35 34 | 24° 5'12 | 23° 5 | 13° 1 | 18°11 | 29° 2 | 28°41 | 5°39 | 17°10 | 8°24 | 2°42 | 12° 8 | 13°22 | 2°22 | 0♎ 0 | T 15 |
| F 16 | 19 39 31 | 25° 2'28 | 5♊46 | 14°44 | 18°31 | 29°39 | 28°52 | 5°40 | 17°10 | 8°22 | 2°41 | 12° 3 | 13°18 | 2°29 | 0° 5 | F 16 |
| S 17 | 19 43 27 | 25°59'44 | 18°48 | 16°24 | 18°53 | 0♍16 | 29° 3 | 5°40 | 17° 9 | 8°21 | 2°41 | 11°56 | 13°15 | 2°35 | 0°11 | S 17 |
| S 18 | 19 47 24 | 26°57'01 | 2♋13 | 18° 3 | 19°16 | 0°54 | 29°13 | 5°41 | 17° 9 | 8°19 | 2°40 | 11°49 | 13°12 | 2°42 | 0°16 | S 18 |
| M19 | 19 51 20 | 27°54'18 | 16° 0 | 19°39 | 19°41 | 1°31 | 29°24 | 5°43 | 17° 9 | 8°17 | 2°39 | 11°42 | 13° 9 | 2°49 | 0°22 | M19 |
| T 20 | 19 55 17 | 28°51'34 | 0♌ 5 | 21°13 | 20° 7 | 2° 8 | 29°35 | 5°44 | 17° 9 | 8°16 | 2°38 | 11°36 | 13° 6 | 2°55 | 0°27 | T 20 |
| W21 | 19 59 14 | 29°48'51 | 14°25 | 22°45 | 20°35 | 2°45 | 29°45 | 5°45 | 17° 8 | 8°14 | 2°37 | 11°31 | 13° 3 | 3° 2 | 0°33 | W21 |
| T 22 | 20 3 10 | 0♌46'07 | 28°53 | 24°14 | 21° 5 | 3°22 | 29°55 | 5°46 | 17° 8 | 8°13 | 2°37 | 11°29 | 12°59 | 3° 9 | 0°39 | T 22 |
| F 23 | 20 7 7 | 1°43'23 | 13♍24 | 25°42 | 21°36 | 3°59 | 0♊ 5 | 5°48 | 17° 8 | 8°11 | 2°36 | 11°D28 | 12°56 | 3°15 | 0°45 | F 23 |
| S 24 | 20 11 3 | 2°40'39 | 27°53 | 27° 7 | 22° 8 | 4°36 | 0°16 | 5°49 | 17° 8 | 8° 9 | 2°36 | 11°29 | 12°53 | 3°22 | 0°50 | S 24 |
| S 25 | 20 15 0 | 3°37'55 | 12♎16 | 28°29 | 22°42 | 5°13 | 0°26 | 5°51 | 17°D 8 | 8° 8 | 2°35 | 11°30 | 12°50 | 3°29 | 0°56 | S 25 |
| M26 | 20 18 56 | 4°35'11 | 26°30 | 29°50 | 23°17 | 5°51 | 0°35 | 5°53 | 17° 8 | 8° 6 | 2°34 | 11°31 | 12°47 | 3°35 | 1° 3 | M26 |
| T 27 | 20 22 53 | 5°32'26 | 10♏33 | 1♍ 8 | 23°53 | 6°28 | 0°45 | 5°55 | 17° 8 | 8° 5 | 2°34 | 11°R32 | 12°44 | 3°42 | 1° 9 | T 27 |
| W28 | 20 26 49 | 6°29'42 | 24°24 | 2°24 | 24°30 | 7° 5 | 0°55 | 5°57 | 17° 8 | 8° 3 | 2°33 | 11°30 | 12°40 | 3°49 | 1°15 | W28 |
| T 29 | 20 30 46 | 7°26'57 | 8♐ 3 | 3°37 | 25° 9 | 7°42 | 1° 4 | 5°59 | 17° 8 | 8° 1 | 2°33 | 11°27 | 12°37 | 3°55 | 1°21 | T 29 |
| F 30 | 20 34 43 | 8°24'13 | 21°29 | 4°47 | 25°48 | 8°20 | 1°14 | 6° 1 | 17° 9 | 8° 0 | 2°32 | 11°23 | 12°34 | 4° 2 | 1°27 | F 30 |
| S 31 | 20 38 39 | 9♌21'28 | 4♑41 | 5♍55 | 26♊29 | 8♍57 | 1♊23 | 6♏ 3 | 17♏ 9 | 7♒58 | 2♐32 | 11♍19 | 12♍31 | 4♈ 9 | 1♎34 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n53 | 14s45 | 4n53 | 23n53 | 1n28 | 19n28 | 3s15 | 15n49 | 1n16 | 18n11 | 0s59 | 10s56 | 2n33 | 16s33 | 0n24 | 17s33 | 0n27 | 5s40 | 15n14 | 6n37 | 6n13 | 1s 2 | 2s23 | 3s 3 |
| F 2 | 22 48 | 17 0 | 5 4 | 23 43 | 1 34 | 19 18 | 3 23 | 15 37 | 1 16 | 18 14 | 0 59 | 10 56 | 2 32 | 16 32 | 0 24 | 17 33 | 0 27 | 5 40 | 15 14 | 6 40 | 6 15 | 1 1 | 2 24 | 3 3 |
| S 3 | 22 43 | 18 16 | 4 57 | 23 30 | 1 39 | 19 10 | 3 31 | 15 24 | 1 16 | 18 17 | 0 59 | 10 56 | 2 32 | 16 32 | 0 24 | 17 34 | 0 27 | 5 40 | 15 13 | 6 44 | 6 16 | 0 59 | 2 25 | 3 2 |
| S 4 | 22 37 | 18 29 | 4 34 | 23 15 | 1 44 | 19 2 | 3 39 | 15 12 | 1 15 | 18 20 | 0 59 | 10 56 | 2 32 | 16 32 | 0 24 | 17 34 | 0 27 | 5 40 | 15 13 | 6 47 | 6 17 | 0 57 | 2 26 | 3 1 |
| M 5 | 22 31 | 17 42 | 3 57 | 22 58 | 1 47 | 18 55 | 3 46 | 15 0 | 1 15 | 18 22 | 0 59 | 10 56 | 2 32 | 16 31 | 0 24 | 17 34 | 0 27 | 5 41 | 15 12 | 6 51 | 6 18 | 0 55 | 2 27 | 3 1 |
| T 6 | 22 25 | 16 1 | 3 9 | 22 38 | 1 50 | 18 48 | 3 52 | 14 47 | 1 15 | 18 25 | 0 59 | 10 56 | 2 31 | 16 31 | 0 24 | 17 35 | 0 27 | 5 41 | 15 12 | 6 54 | 6 19 | 0 53 | 2 28 | 3 0 |
| W 7 | 22 18 | 13 36 | 2 12 | 22 16 | 1 52 | 18 42 | 3 58 | 14 35 | 1 14 | 18 28 | 0 59 | 10 56 | 2 31 | 16 31 | 0 24 | 17 35 | 0 27 | 5 41 | 15 12 | 6 56 | 6 21 | 0 51 | 2 29 | 3 0 |
| T 8 | 22 11 | 10 38 | 1 10 | 21 53 | 1 54 | 18 37 | 4 3 | 14 22 | 1 14 | 18 30 | 0 59 | 10 57 | 2 31 | 16 31 | 0 24 | 17 36 | 0 27 | 5 41 | 15 11 | 6 57 | 6 22 | 0 49 | 2 31 | 2 59 |
| F 9 | 22 3 | 7 15 | 0 6 | 21 28 | 1 54 | 18 33 | 4 8 | 14 10 | 1 14 | 18 33 | 0 59 | 10 57 | 2 31 | 16 31 | 0 24 | 17 36 | 0 27 | 5 41 | 15 11 | 6 57 | 6 23 | 0 48 | 2 32 | 2 58 |
| S 10 | 21 56 | 3 38 | 0s58 | 21 1 | 1 54 | 18 29 | 4 13 | 13 57 | 1 13 | 18 35 | 0 59 | 10 57 | 2 30 | 16 30 | 0 24 | 17 36 | 0 27 | 5 42 | 15 10 | 6 57 | 6 24 | 0 46 | 2 33 | 2 58 |
| S 11 | 21 47 | 0n 6 | 1 59 | 20 33 | 1 53 | 18 26 | 4 17 | 13 44 | 1 13 | 18 38 | 1 0 | 10 58 | 2 30 | 16 30 | 0 24 | 17 37 | 0 27 | 5 42 | 15 10 | 6 57 | 6 25 | 0 44 | 2 35 | 2 57 |
| M12 | 21 39 | 3 50 | 2 55 | 20 3 | 1 52 | 18 23 | 4 21 | 13 31 | 1 12 | 18 40 | 1 0 | 10 58 | 2 30 | 16 30 | 0 24 | 17 37 | 0 27 | 5 42 | 15 9 | 6 56 | 6 27 | 0 42 | 2 36 | 2 57 |
| T 13 | 21 30 | 7 26 | 3 44 | 19 33 | 1 50 | 18 21 | 4 24 | 13 18 | 1 12 | 18 42 | 1 0 | 10 58 | 2 30 | 16 30 | 0 24 | 17 38 | 0 27 | 5 43 | 15 9 | 6 56 | 6 28 | 0 40 | 2 37 | 2 56 |
| W14 | 21 20 | 10 47 | 4 24 | 19 1 | 1 47 | 18 20 | 4 27 | 13 5 | 1 12 | 18 45 | 1 0 | 10 59 | 2 29 | 16 30 | 0 24 | 17 38 | 0 27 | 5 43 | 15 9 | 6 57 | 6 29 | 0 38 | 2 39 | 2 55 |
| T 15 | 21 11 | 13 44 | 4 52 | 18 28 | 1 43 | 18 18 | 4 30 | 12 52 | 1 11 | 18 47 | 1 0 | 10 59 | 2 29 | 16 30 | 0 24 | 17 38 | 0 27 | 5 43 | 15 8 | 6 58 | 6 30 | 0 36 | 2 40 | 2 55 |
| F 16 | 21 0 | 16 7 | 5 7 | 17 54 | 1 39 | 18 18 | 4 32 | 12 38 | 1 11 | 18 49 | 1 0 | 11 0 | 2 29 | 16 29 | 0 24 | 17 39 | 0 27 | 5 43 | 15 8 | 7 0 | 6 32 | 0 35 | 2 42 | 2 54 |
| S 17 | 20 50 | 17 45 | 5 6 | 17 20 | 1 34 | 18 18 | 4 34 | 12 25 | 1 11 | 18 52 | 1 0 | 11 0 | 2 28 | 16 29 | 0 24 | 17 39 | 0 27 | 5 44 | 15 7 | 7 3 | 6 33 | 0 33 | 2 44 | 2 54 |
| S 18 | 20 39 | 18 28 | 4 49 | 16 45 | 1 29 | 18 18 | 4 36 | 12 11 | 1 10 | 18 54 | 1 0 | 11 1 | 2 28 | 16 29 | 0 23 | 17 40 | 0 26 | 5 44 | 15 7 | 7 6 | 6 34 | 0 31 | 2 45 | 2 53 |
| M19 | 20 28 | 18 8 | 4 16 | 16 10 | 1 23 | 18 19 | 4 37 | 11 58 | 1 10 | 18 56 | 1 0 | 11 1 | 2 28 | 16 29 | 0 23 | 17 40 | 0 26 | 5 44 | 15 6 | 7 8 | 6 35 | 0 29 | 2 47 | 2 52 |
| T 20 | 20 17 | 16 40 | 3 25 | 15 34 | 1 17 | 18 20 | 4 38 | 11 44 | 1 9 | 18 58 | 1 0 | 11 2 | 2 28 | 16 29 | 0 23 | 17 40 | 0 26 | 5 45 | 15 6 | 7 11 | 6 36 | 0 27 | 2 49 | 2 52 |
| W21 | 20 5 | 14 9 | 2 22 | 14 58 | 1 10 | 18 21 | 4 38 | 11 31 | 1 9 | 19 0 | 1 0 | 11 3 | 2 27 | 16 29 | 0 23 | 17 41 | 0 26 | 5 45 | 15 5 | 7 12 | 6 38 | 0 25 | 2 50 | 2 51 |
| T 22 | 19 53 | 10 44 | 1 8 | 14 21 | 1 3 | 18 22 | 4 39 | 11 17 | 1 9 | 19 2 | 1 1 | 11 3 | 2 27 | 16 29 | 0 23 | 17 41 | 0 26 | 5 46 | 15 5 | 7 13 | 6 39 | 0 23 | 2 52 | 2 51 |
| F 23 | 19 40 | 6 39 | 0n11 | 13 45 | 0 55 | 18 24 | 4 39 | 11 3 | 1 8 | 19 4 | 1 1 | 11 4 | 2 27 | 16 29 | 0 23 | 17 42 | 0 26 | 5 46 | 15 4 | 7 13 | 6 40 | 0 21 | 2 54 | 2 50 |
| S 24 | 19 27 | 2 11 | 1 28 | 13 8 | 0 46 | 18 26 | 4 39 | 10 49 | 1 8 | 19 6 | 1 1 | 11 5 | 2 27 | 16 29 | 0 23 | 17 42 | 0 26 | 5 46 | 15 4 | 7 13 | 6 41 | 0 20 | 2 56 | 2 50 |
| S 25 | 19 14 | 2s22 | 2 40 | 12 31 | 0 38 | 18 28 | 4 39 | 10 35 | 1 7 | 19 8 | 1 1 | 11 6 | 2 26 | 16 29 | 0 23 | 17 43 | 0 26 | 5 47 | 15 3 | 7 13 | 6 42 | 0 18 | 2 58 | 2 49 |
| M26 | 19 1 | 6 44 | 3 41 | 11 55 | 0 28 | 18 31 | 4 38 | 10 21 | 1 7 | 19 10 | 1 1 | 11 7 | 2 26 | 16 29 | 0 23 | 17 43 | 0 26 | 5 47 | 15 3 | 7 12 | 6 44 | 0 16 | 2 59 | 2 48 |
| T 27 | 18 47 | 10 40 | 4 28 | 11 18 | 0 19 | 18 33 | 4 37 | 10 7 | 1 7 | 19 12 | 1 1 | 11 7 | 2 26 | 16 29 | 0 23 | 17 43 | 0 26 | 5 48 | 15 2 | 7 12 | 6 45 | 0 14 | 3 1 | 2 48 |
| W28 | 18 33 | 13 57 | 4 58 | 10 42 | 0 9 | 18 36 | 4 36 | 9 53 | 1 6 | 19 14 | 1 1 | 11 8 | 2 26 | 16 29 | 0 23 | 17 44 | 0 26 | 5 48 | 15 2 | 7 13 | 6 46 | 0 12 | 3 3 | 2 47 |
| T 29 | 18 19 | 16 24 | 5 11 | 10 6 | 0s 1 | 18 38 | 4 35 | 9 39 | 1 6 | 19 16 | 1 1 | 11 9 | 2 25 | 16 29 | 0 23 | 17 44 | 0 26 | 5 48 | 15 1 | 7 14 | 6 47 | 0 10 | 3 5 | 2 47 |
| F 30 | 18 4 | 17 56 | 5 7 | 9 31 | 0 12 | 18 41 | 4 34 | 9 25 | 1 5 | 19 18 | 1 1 | 11 10 | 2 25 | 16 30 | 0 23 | 17 45 | 0 26 | 5 49 | 15 1 | 7 15 | 6 48 | 0 8 | 3 7 | 2 46 |
| S 31 | 17n49 | 18s27 | 4n47 | 8n56 | 0s23 | 18n44 | 4s32 | 9n11 | 1n 5 | 19n19 | 1s 1 | 11s11 | 2n25 | 16s30 | 0n23 | 17s45 | 0n26 | 5s49 | 15n 0 | 7n17 | 6n50 | 0s 7 | 3s 9 | 2s46 |

Julian Day Number = 2811125.5, Delta T = 53m12s
Ecliptic obliquity = 23°18'33, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°31'18, Lahiri = 37°38'19


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# ASTRODIENST EPHEMERIS for the year 2984
# geocentric

## AUGUST 2984 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 42 36 | 10♌18'44 | 17♉40 | 7♍ 1 | 27♊10 | 9♍34 | 1♊32 | 6♏ 6 | 17♏ 9 | 7°R56 | 2°R32 | 11°R14 | 12♍28 | 4♈15 | 1♎40 | S 1 |
| M 2 | 20 46 32 | 11°16'00 | 0♒25 | 8° 3 | 27°53 | 10°11 | 1°41 | 6° 8 | 17°10 | 7♒55 | 2♐31 | 11♍ 9 | 12°24 | 4°22 | 1°47 | M 2 |
| T 3 | 20 50 29 | 12°13'16 | 12°56 | 9° 3 | 28°37 | 10°49 | 1°50 | 6°11 | 17°10 | 7°53 | 2°31 | 11° 5 | 12°21 | 4°28 | 1°54 | T 3 |
| W 4 | 20 54 25 | 13°10'32 | 25°15 | 10° 0 | 29°21 | 11°26 | 1°59 | 6°13 | 17°11 | 7°52 | 2°31 | 11° 3 | 12°18 | 4°35 | 2° 0 | W 4 |
| T 5 | 20 58 22 | 14° 7'49 | 7♓22 | 10°53 | 0♋ 6 | 12° 4 | 2° 7 | 6°16 | 17°11 | 7°50 | 2°31 | 11°D 2 | 12°15 | 4°42 | 2° 7 | T 5 |
| F 6 | 21 2 18 | 15° 5'07 | 19°20 | 11°43 | 0°52 | 12°41 | 2°16 | 6°19 | 17°12 | 7°48 | 2°30 | 11° 2 | 12°12 | 4°48 | 2°14 | F 6 |
| S 7 | 21 6 15 | 16° 2'25 | 1♈11 | 12°30 | 1°40 | 13°18 | 2°24 | 6°22 | 17°13 | 7°47 | 2°30 | 11° 3 | 12° 9 | 4°55 | 2°21 | S 7 |
| S 8 | 21 10 12 | 16°59'44 | 13° 0 | 13°14 | 2°27 | 13°56 | 2°33 | 6°25 | 17°13 | 7°45 | 2°30 | 11° 5 | 12° 5 | 5° 2 | 2°28 | S 8 |
| M 9 | 21 14 8 | 17°57'04 | 24°50 | 13°54 | 3°16 | 14°33 | 2°41 | 6°28 | 17°14 | 7°44 | 2°30 | 11° 6 | 12° 2 | 5° 8 | 2°35 | M 9 |
| T 10 | 21 18 5 | 18°54'24 | 6♉45 | 14°30 | 4° 5 | 15°11 | 2°49 | 6°31 | 17°15 | 7°42 | 2°30 | 11° 8 | 11°59 | 5°15 | 2°42 | T 10 |
| W11 | 21 22 1 | 19°51'45 | 18°50 | 15° 2 | 4°55 | 15°48 | 2°57 | 6°34 | 17°16 | 7°40 | 2°30 | 11°R 8 | 11°56 | 5°22 | 2°49 | W11 |
| T 12 | 21 25 58 | 20°49'08 | 1♊10 | 15°29 | 5°46 | 16°26 | 3° 4 | 6°37 | 17°17 | 7°39 | 2°D30 | 11° 8 | 11°53 | 5°28 | 2°56 | T 12 |
| F 13 | 21 29 54 | 21°46'31 | 13°50 | 15°53 | 6°37 | 17° 3 | 3°12 | 6°41 | 17°18 | 7°37 | 2°30 | 11° 7 | 11°50 | 5°35 | 3° 3 | F 13 |
| S 14 | 21 33 51 | 22°43'55 | 26°53 | 16°12 | 7°29 | 17°41 | 3°19 | 6°44 | 17°19 | 7°36 | 2°30 | 11° 5 | 11°46 | 5°42 | 3°10 | S 14 |
| S 15 | 21 37 47 | 23°41'21 | 10♋20 | 16°26 | 8°22 | 18°18 | 3°26 | 6°48 | 17°20 | 7°34 | 2°30 | 11° 2 | 11°43 | 5°48 | 3°18 | S 15 |
| M16 | 21 41 44 | 24°38'47 | 24°13 | 16°36 | 9°15 | 18°56 | 3°34 | 6°52 | 17°21 | 7°33 | 2°30 | 11° 0 | 11°40 | 5°55 | 3°25 | M16 |
| T 17 | 21 45 41 | 25°36'14 | 8♌30 | 16°R40 | 10° 9 | 19°33 | 3°40 | 6°55 | 17°22 | 7°31 | 2°30 | 10°58 | 11°37 | 6° 2 | 3°32 | T 17 |
| W18 | 21 49 37 | 26°33'42 | 23° 5 | 16°40 | 11° 3 | 20°11 | 3°47 | 6°59 | 17°24 | 7°30 | 2°31 | 10°57 | 11°34 | 6° 8 | 3°40 | W18 |
| T 19 | 21 53 34 | 27°31'11 | 7♍54 | 16°34 | 11°58 | 20°49 | 3°54 | 7° 3 | 17°25 | 7°28 | 2°31 | 10°D57 | 11°30 | 6°15 | 3°47 | T 19 |
| F 20 | 21 57 30 | 28°28'41 | 22°49 | 16°23 | 12°53 | 21°26 | 4° 0 | 7° 7 | 17°26 | 7°27 | 2°31 | 10°57 | 11°27 | 6°22 | 3°55 | F 20 |
| S 21 | 22 1 27 | 29°26'12 | 7♎41 | 16° 6 | 13°49 | 22° 4 | 4° 7 | 7°11 | 17°28 | 7°25 | 2°31 | 10°57 | 11°24 | 6°28 | 4° 3 | S 21 |
| S 22 | 22 5 23 | 0♍23'43 | 22°25 | 15°45 | 14°45 | 22°42 | 4°13 | 7°15 | 17°29 | 7°24 | 2°32 | 10°58 | 11°21 | 6°35 | 4°10 | S 22 |
| M23 | 22 9 20 | 1°21'15 | 6♏54 | 15°18 | 15°42 | 23°20 | 4°19 | 7°20 | 17°31 | 7°22 | 2°32 | 10°59 | 11°18 | 6°42 | 4°18 | M23 |
| T 24 | 22 13 16 | 2°18'47 | 21° 5 | 14°46 | 16°39 | 23°57 | 4°25 | 7°24 | 17°32 | 7°21 | 2°32 | 11° 0 | 11°15 | 6°48 | 4°26 | T 24 |
| W25 | 22 17 13 | 3°16'21 | 4♐56 | 14°10 | 17°37 | 24°35 | 4°30 | 7°28 | 17°34 | 7°19 | 2°33 | 11°R 0 | 11°11 | 6°55 | 4°34 | W25 |
| T 26 | 22 21 10 | 4°13'55 | 18°27 | 13°30 | 18°35 | 25°13 | 4°36 | 7°33 | 17°35 | 7°18 | 2°33 | 11° 0 | 11° 8 | 7° 2 | 4°41 | T 26 |
| F 27 | 22 25 6 | 5°11'30 | 1♑39 | 12°46 | 19°33 | 25°51 | 4°41 | 7°37 | 17°37 | 7°16 | 2°34 | 10°59 | 11° 5 | 7° 8 | 4°49 | F 27 |
| S 28 | 22 29 3 | 6° 9'06 | 14°34 | 12° 0 | 20°32 | 26°29 | 4°46 | 7°42 | 17°39 | 7°15 | 2°34 | 10°59 | 11° 2 | 7°15 | 4°57 | S 28 |
| S 29 | 22 32 59 | 7° 6'43 | 27°14 | 11°11 | 21°31 | 27° 6 | 4°51 | 7°47 | 17°41 | 7°14 | 2°35 | 10°58 | 10°59 | 7°22 | 5° 5 | S 29 |
| M30 | 22 36 56 | 8° 4'21 | 9♒40 | 10°21 | 22°31 | 27°44 | 4°56 | 7°51 | 17°42 | 7°12 | 2°36 | 10°58 | 10°56 | 7°28 | 5°13 | M30 |
| T 31 | 22 40 52 | 9♍ 1'59 | 21♒55 | 9♍30 | 23♋31 | 28♍22 | 5♊ 1 | 7♏56 | 17♏44 | 7♒11 | 2♐36 | 10♍57 | 10♍52 | 7♈35 | 5♎21 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n34 | 17s59 | 4n12 | 8n21 | 0s34 | 18n46 | 4s30 | 8n56 | 1n 5 | 19n21 | 1s 2 | 11s12 | 2n25 | 16s30 | 0n23 | 17s46 | 0n26 | 5s50 | 15n 0 | 7n19 | 6n51 | 0s 5 | 3s11 | 2s45 |
| M 2 | 17 18 | 16 37 | 3 24 | 7 48 | 0 46 | 18 49 | 4 28 | 8 42 | 1 4 | 19 23 | 1 2 | 11 13 | 2 24 | 16 30 | 0 23 | 17 46 | 0 26 | 5 50 | 14 59 | 7 21 | 6 52 | 0 3 | 3 14 | 2 45 |
| T 3 | 17 2 | 14 28 | 2 28 | 7 14 | 0 58 | 18 52 | 4 26 | 8 27 | 1 4 | 19 24 | 1 2 | 11 14 | 2 24 | 16 30 | 0 23 | 17 46 | 0 26 | 5 51 | 14 58 | 7 22 | 6 53 | 0 1 | 3 16 | 2 44 |
| W 4 | 16 46 | 11 41 | 1 26 | 6 42 | 1 10 | 18 54 | 4 24 | 8 13 | 1 3 | 19 26 | 1 2 | 11 15 | 2 24 | 16 30 | 0 23 | 17 47 | 0 26 | 5 51 | 14 58 | 7 23 | 6 55 | 0n 1 | 3 18 | 2 44 |
| T 5 | 16 30 | 8 27 | 0 20 | 6 11 | 1 22 | 18 57 | 4 22 | 7 58 | 1 3 | 19 28 | 1 2 | 11 17 | 2 24 | 16 30 | 0 23 | 17 47 | 0 26 | 5 52 | 14 57 | 7 23 | 6 56 | 0 3 | 3 20 | 2 43 |
| F 6 | 16 13 | 4 54 | 0s46 | 5 40 | 1 35 | 18 59 | 4 19 | 7 44 | 1 3 | 19 29 | 1 2 | 11 18 | 2 23 | 16 31 | 0 23 | 17 48 | 0 26 | 5 52 | 14 57 | 7 23 | 6 57 | 0 5 | 3 22 | 2 43 |
| S 7 | 15 57 | 1 12 | 1 49 | 5 11 | 1 47 | 19 1 | 4 16 | 7 29 | 1 2 | 19 31 | 1 2 | 11 19 | 2 23 | 16 31 | 0 23 | 17 48 | 0 26 | 5 53 | 14 56 | 7 23 | 6 58 | 0 7 | 3 25 | 2 42 |
| S 8 | 15 39 | 2n32 | 2 47 | 4 42 | 2 0 | 19 4 | 4 14 | 7 14 | 1 2 | 19 32 | 1 2 | 11 20 | 2 23 | 16 31 | 0 23 | 17 48 | 0 26 | 5 53 | 14 56 | 7 22 | 6 59 | 0 8 | 3 27 | 2 42 |
| M 9 | 15 22 | 6 10 | 3 39 | 4 15 | 2 13 | 19 5 | 4 11 | 7 0 | 1 1 | 19 34 | 1 2 | 11 21 | 2 23 | 16 31 | 0 23 | 17 49 | 0 26 | 5 54 | 14 55 | 7 22 | 7 1 | 0 10 | 3 29 | 2 41 |
| T 10 | 15 4 | 9 35 | 4 21 | 3 50 | 2 26 | 19 7 | 4 8 | 6 45 | 1 1 | 19 35 | 1 3 | 11 23 | 2 22 | 16 32 | 0 23 | 17 49 | 0 26 | 5 54 | 14 55 | 7 21 | 7 2 | 0 12 | 3 31 | 2 41 |
| W11 | 14 47 | 12 38 | 4 52 | 3 26 | 2 38 | 19 9 | 4 5 | 6 30 | 1 1 | 19 36 | 1 3 | 11 24 | 2 22 | 16 32 | 0 23 | 17 50 | 0 26 | 5 55 | 14 54 | 7 21 | 7 3 | 0 14 | 3 34 | 2 40 |
| T 12 | 14 29 | 15 12 | 5 11 | 3 3 | 2 51 | 19 10 | 4 1 | 6 15 | 1 0 | 19 38 | 1 3 | 11 25 | 2 22 | 16 32 | 0 23 | 17 50 | 0 26 | 5 55 | 14 54 | 7 21 | 7 4 | 0 16 | 3 36 | 2 40 |
| F 13 | 14 10 | 17 7 | 5 16 | 2 43 | 3 4 | 19 11 | 3 58 | 6 0 | 1 0 | 19 39 | 1 3 | 11 26 | 2 22 | 16 33 | 0 23 | 17 51 | 0 26 | 5 56 | 14 53 | 7 22 | 7 5 | 0 18 | 3 39 | 2 39 |
| S 14 | 13 52 | 18 12 | 5 4 | 2 24 | 3 16 | 19 12 | 3 54 | 5 45 | 0 59 | 19 40 | 1 3 | 11 28 | 2 21 | 16 33 | 0 23 | 17 51 | 0 26 | 5 56 | 14 52 | 7 22 | 7 7 | 0 20 | 3 41 | 2 39 |
| S 15 | 13 33 | 18 20 | 4 36 | 2 7 | 3 28 | 19 12 | 3 51 | 5 30 | 0 59 | 19 42 | 1 3 | 11 29 | 2 21 | 16 33 | 0 23 | 17 51 | 0 26 | 5 57 | 14 52 | 7 23 | 7 8 | 0 22 | 3 44 | 2 38 |
| M16 | 13 14 | 17 22 | 3 51 | 1 53 | 3 40 | 19 13 | 3 47 | 5 15 | 0 59 | 19 43 | 1 3 | 11 31 | 2 21 | 16 34 | 0 23 | 17 52 | 0 26 | 5 58 | 14 51 | 7 24 | 7 9 | 0 23 | 3 46 | 2 38 |
| T 17 | 12 55 | 15 18 | 2 50 | 1 41 | 3 51 | 19 13 | 3 43 | 5 0 | 0 58 | 19 44 | 1 4 | 11 32 | 2 21 | 16 34 | 0 23 | 17 52 | 0 26 | 5 58 | 14 51 | 7 25 | 7 10 | 0 25 | 3 49 | 2 37 |
| W18 | 12 36 | 12 13 | 1 37 | 1 31 | 4 2 | 19 12 | 3 40 | 4 45 | 0 58 | 19 45 | 1 4 | 11 34 | 2 20 | 16 34 | 0 23 | 17 53 | 0 26 | 5 59 | 14 50 | 7 25 | 7 11 | 0 27 | 3 51 | 2 37 |
| T 19 | 12 16 | 8 18 | 0 17 | 1 24 | 4 12 | 19 12 | 3 36 | 4 30 | 0 57 | 19 46 | 1 4 | 11 35 | 2 20 | 16 35 | 0 23 | 17 53 | 0 26 | 5 59 | 14 50 | 7 25 | 7 13 | 0 29 | 3 54 | 2 36 |
| F 20 | 11 56 | 3 50 | 1n 5 | 1 20 | 4 21 | 19 11 | 3 32 | 4 15 | 0 57 | 19 47 | 1 4 | 11 37 | 2 20 | 16 35 | 0 22 | 17 53 | 0 26 | 6 0 | 14 49 | 7 25 | 7 14 | 0 31 | 3 56 | 2 36 |
| S 21 | 11 36 | 0s51 | 2 23 | 1 18 | 4 30 | 19 9 | 3 28 | 4 0 | 0 56 | 19 48 | 1 4 | 11 38 | 2 20 | 16 35 | 0 22 | 17 54 | 0 26 | 6 1 | 14 48 | 7 25 | 7 15 | 0 33 | 3 59 | 2 36 |
| S 22 | 11 16 | 5 25 | 3 30 | 1 20 | 4 37 | 19 8 | 3 23 | 3 45 | 0 56 | 19 49 | 1 4 | 11 40 | 2 19 | 16 36 | 0 22 | 17 54 | 0 26 | 6 1 | 14 48 | 7 25 | 7 16 | 0 35 | 4 1 | 2 35 |
| M23 | 10 56 | 9 36 | 4 23 | 1 24 | 4 43 | 19 6 | 3 19 | 3 29 | 0 56 | 19 50 | 1 4 | 11 41 | 2 19 | 16 36 | 0 22 | 17 55 | 0 26 | 6 2 | 14 47 | 7 24 | 7 17 | 0 37 | 4 4 | 2 35 |
| T 24 | 10 36 | 13 7 | 4 59 | 1 32 | 4 48 | 19 3 | 3 15 | 3 14 | 0 55 | 19 51 | 1 4 | 11 43 | 2 19 | 16 37 | 0 22 | 17 55 | 0 26 | 6 2 | 14 47 | 7 24 | 7 19 | 0 38 | 4 7 | 2 34 |
| W25 | 10 15 | 15 49 | 5 16 | 1 42 | 4 52 | 19 0 | 3 11 | 2 59 | 0 55 | 19 52 | 1 5 | 11 44 | 2 19 | 16 37 | 0 22 | 17 55 | 0 26 | 6 3 | 14 46 | 7 24 | 7 20 | 0 40 | 4 9 | 2 34 |
| T 26 | 9 54 | 17 35 | 5 15 | 1 56 | 4 53 | 18 57 | 3 6 | 2 43 | 0 54 | 19 53 | 1 5 | 11 46 | 2 19 | 16 38 | 0 22 | 17 56 | 0 26 | 6 4 | 14 46 | 7 24 | 7 21 | 0 42 | 4 12 | 2 33 |
| F 27 | 9 33 | 18 21 | 4 57 | 2 12 | 4 54 | 18 54 | 3 2 | 2 28 | 0 54 | 19 54 | 1 5 | 11 48 | 2 18 | 16 38 | 0 22 | 17 56 | 0 26 | 6 4 | 14 45 | 7 24 | 7 22 | 0 44 | 4 15 | 2 33 |
| S 28 | 9 12 | 18 8 | 4 25 | 2 31 | 4 52 | 18 49 | 2 57 | 2 13 | 0 54 | 19 55 | 1 5 | 11 49 | 2 18 | 16 39 | 0 22 | 17 56 | 0 26 | 6 5 | 14 45 | 7 25 | 7 23 | 0 46 | 4 18 | 2 32 |
| S 29 | 8 51 | 17 0 | 3 40 | 2 53 | 4 48 | 18 45 | 2 53 | 1 57 | 0 53 | 19 55 | 1 5 | 11 51 | 2 18 | 16 39 | 0 22 | 17 57 | 0 26 | 6 6 | 14 44 | 7 25 | 7 25 | 0 48 | 4 20 | 2 32 |
| M30 | 8 30 | 15 4 | 2 45 | 3 17 | 4 43 | 18 40 | 2 48 | 1 42 | 0 53 | 19 56 | 1 5 | 11 53 | 2 18 | 16 40 | 0 22 | 17 57 | 0 26 | 6 6 | 14 43 | 7 25 | 7 26 | 0 50 | 4 23 | 2 32 |
| T 31 | 8n 8 | 12s29 | 1n44 | 3n42 | 4s36 | 18n35 | 2s44 | 1n27 | 0n52 | 19n57 | 1s 5 | 11s54 | 2n18 | 16s40 | 0n22 | 17s57 | 0n26 | 6s 7 | 14n43 | 7n25 | 7n27 | 0n52 | 4s26 | 2s31 |

Julian Day Number = 2811156.5, Delta T = 53m12s
Ecliptic obliquity = 23°18'33, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°31'23, Lahiri = 37°38'23


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# ASTRODIENST EPHEMERIS for the year 2984
# geocentric

## SEPTEMBER 2984 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 22 44 49 | 9♍59'39 | 4♓ 1 | 8°R40 | 24♋31 | 29♍ 0 | 5♊ 5 | 8♏ 1 | 17♏46 | 7°R10 | 2♐37 | 10°R57 | 10♍49 | 7♈42 | 5♎29 | W 1 |
| T 2 | 22 48 45 | 10°57'20 | 15°59 | 7♍52 | 25°32 | 29°38 | 5°10 | 8° 6 | 17°48 | 7♒ 8 | 2°38 | 10♍57 | 10°46 | 7°48 | 5°37 | T 2 |
| F 3 | 22 52 42 | 11°55'03 | 27°51 | 7° 6 | 26°33 | 0♎16 | 5°14 | 8°11 | 17°50 | 7° 7 | 2°38 | 10°57 | 10°43 | 7°55 | 5°46 | F 3 |
| S 4 | 22 56 39 | 12°52'46 | 9♈41 | 6°24 | 27°34 | 0°54 | 5°18 | 8°16 | 17°52 | 7° 6 | 2°39 | 10°57 | 10°40 | 8° 2 | 5°54 | S 4 |
| S 5 | 23 0 35 | 13°50'31 | 21°29 | 5°46 | 28°36 | 1°32 | 5°21 | 8°21 | 17°54 | 7° 5 | 2°40 | 10°57 | 10°36 | 8° 8 | 6° 2 | S 5 |
| M 6 | 23 4 32 | 14°48'18 | 3♉20 | 5°13 | 29°38 | 2°10 | 5°25 | 8°27 | 17°56 | 7° 4 | 2°41 | 10°56 | 10°33 | 8°15 | 6°10 | M 6 |
| T 7 | 23 8 28 | 15°46'06 | 15°16 | 4°47 | 0♌40 | 2°48 | 5°28 | 8°32 | 17°59 | 7° 2 | 2°42 | 10°56 | 10°30 | 8°21 | 6°18 | T 7 |
| W 8 | 23 12 25 | 16°43'56 | 27°22 | 4°27 | 1°43 | 3°26 | 5°32 | 8°37 | 18° 1 | 7° 1 | 2°43 | 10°55 | 10°27 | 8°28 | 6°27 | W 8 |
| T 9 | 23 16 21 | 17°41'47 | 9♊41 | 4°15 | 2°46 | 4° 4 | 5°35 | 8°43 | 18° 3 | 7° 0 | 2°44 | 10°55 | 10°24 | 8°35 | 6°35 | T 9 |
| F 10 | 23 20 18 | 18°39'41 | 22°17 | 4°D10 | 3°49 | 4°43 | 5°37 | 8°48 | 18° 5 | 6°59 | 2°45 | 10°D55 | 10°21 | 8°41 | 6°43 | F 10 |
| S 11 | 23 24 14 | 19°37'36 | 5♋14 | 4°13 | 4°52 | 5°21 | 5°40 | 8°54 | 18° 8 | 6°58 | 2°46 | 10°55 | 10°17 | 8°48 | 6°52 | S 11 |
| S 12 | 23 28 11 | 20°35'32 | 18°37 | 4°24 | 5°56 | 5°59 | 5°43 | 8°59 | 18°10 | 6°57 | 2°47 | 10°56 | 10°14 | 8°55 | 7° 0 | S 12 |
| M13 | 23 32 7 | 21°33'31 | 2♌25 | 4°43 | 7° 0 | 6°37 | 5°45 | 9° 5 | 18°13 | 6°56 | 2°48 | 10°57 | 10°11 | 9° 1 | 7° 8 | M13 |
| T 14 | 23 36 4 | 22°31'31 | 16°40 | 5°10 | 8° 4 | 7°16 | 5°47 | 9°11 | 18°15 | 6°55 | 2°49 | 10°58 | 10° 8 | 9° 8 | 7°17 | T 14 |
| W15 | 23 40 1 | 23°29'33 | 1♍19 | 5°46 | 9° 9 | 7°54 | 5°49 | 9°16 | 18°18 | 6°54 | 2°50 | 10°58 | 10° 5 | 9°15 | 7°25 | W15 |
| T 16 | 23 43 57 | 24°27'37 | 16°16 | 6°30 | 10°13 | 8°32 | 5°50 | 9°22 | 18°20 | 6°53 | 2°51 | 10°R58 | 10° 1 | 9°21 | 7°34 | T 16 |
| F 17 | 23 47 54 | 25°25'42 | 1♎25 | 7°21 | 11°18 | 9°11 | 5°52 | 9°28 | 18°23 | 6°52 | 2°52 | 10°58 | 9°58 | 9°28 | 7°42 | F 17 |
| S 18 | 23 51 50 | 26°23'48 | 16°35 | 8°19 | 12°24 | 9°49 | 5°53 | 9°34 | 18°25 | 6°51 | 2°53 | 10°56 | 9°55 | 9°35 | 7°51 | S 18 |
| S 19 | 23 55 47 | 27°21'57 | 1♏38 | 9°25 | 13°29 | 10°27 | 5°54 | 9°40 | 18°28 | 6°50 | 2°55 | 10°55 | 9°52 | 9°41 | 7°59 | S 19 |
| M20 | 23 59 43 | 28°20'06 | 16°25 | 10°37 | 14°35 | 11° 6 | 5°55 | 9°46 | 18°31 | 6°49 | 2°56 | 10°52 | 9°49 | 9°48 | 8° 8 | M20 |
| T 21 | 0 3 40 | 29°18'17 | 0♐49 | 11°55 | 15°40 | 11°44 | 5°56 | 9°52 | 18°34 | 6°48 | 2°57 | 10°50 | 9°46 | 9°55 | 8°16 | T 21 |
| W22 | 0 7 36 | 0♎16'30 | 14°48 | 13°19 | 16°46 | 12°23 | 5°56 | 9°58 | 18°36 | 6°47 | 2°59 | 10°49 | 9°42 | 10° 1 | 8°25 | W22 |
| T 23 | 0 11 33 | 1°14'44 | 28°22 | 14°47 | 17°53 | 13° 1 | 5°56 | 10° 5 | 18°39 | 6°47 | 3° 0 | 10°D48 | 9°39 | 10° 8 | 8°34 | T 23 |
| F 24 | 0 15 30 | 2°12'59 | 11♑30 | 16°21 | 18°59 | 13°40 | 5°R57 | 10°11 | 18°42 | 6°46 | 3° 1 | 10°49 | 9°36 | 10°15 | 8°42 | F 24 |
| S 25 | 0 19 26 | 3°11'16 | 24°17 | 17°58 | 20° 6 | 14°18 | 5°56 | 10°17 | 18°45 | 6°45 | 3° 3 | 10°50 | 9°33 | 10°21 | 8°51 | S 25 |
| S 26 | 0 23 23 | 4° 9'35 | 6♒45 | 19°38 | 21°13 | 14°57 | 5°56 | 10°23 | 18°48 | 6°44 | 3° 4 | 10°51 | 9°30 | 10°28 | 8°59 | S 26 |
| M27 | 0 27 19 | 5° 7'54 | 18°59 | 21°22 | 22°20 | 15°36 | 5°56 | 10°30 | 18°51 | 6°44 | 3° 6 | 10°53 | 9°27 | 10°35 | 9° 8 | M27 |
| T 28 | 0 31 16 | 6° 6'16 | 1♓ 2 | 23° 8 | 23°27 | 16°14 | 5°55 | 10°36 | 18°54 | 6°43 | 3° 7 | 10°54 | 9°23 | 10°41 | 9°17 | T 28 |
| W29 | 0 35 12 | 7° 4'39 | 12°58 | 24°56 | 24°34 | 16°53 | 5°54 | 10°43 | 18°57 | 6°43 | 3° 9 | 10°R54 | 9°20 | 10°48 | 9°25 | W29 |
| T 30 | 0 39 9 | 8♎ 3'03 | 24♓49 | 26♍45 | 25♌42 | 17♎32 | 5♊53 | 10♏49 | 19♏ 0 | 6♒42 | 3♐10 | 10♍53 | 9♍17 | 10♈55 | 9♎34 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7n47 | 9s23 | 0n38 | 4n 9 | 4s27 | 18n29 | 2s39 | 1n11 | 0n52 | 19n57 | 1s 6 | 11s56 | 2n17 | 16s41 | 0n22 | 17s58 | 0n26 | 6s 8 | 14n42 | 7n25 | 7n28 | 0n54 | 4s29 | 2s31 |
| T 2 | 7 25 | 5 56 | 0s28 | 4 37 | 4 16 | 18 23 | 2 35 | 0 56 | 0 51 | 19 58 | 1 6 | 11 58 | 2 17 | 16 42 | 0 22 | 17 58 | 0 26 | 6 8 | 14 42 | 7 25 | 7 29 | 0 55 | 4 32 | 2 30 |
| F 3 | 7 3 | 2 16 | 1 33 | 5 5 | 4 3 | 18 16 | 2 30 | 0 40 | 0 51 | 19 59 | 1 6 | 12 0 | 2 17 | 16 42 | 0 22 | 17 58 | 0 26 | 6 9 | 14 41 | 7 25 | 7 31 | 0 57 | 4 34 | 2 30 |
| S 4 | 6 41 | 1n28 | 2 33 | 5 34 | 3 49 | 18 9 | 2 25 | 0 25 | 0 50 | 19 59 | 1 6 | 12 2 | 2 17 | 16 43 | 0 22 | 17 59 | 0 26 | 6 10 | 14 41 | 7 25 | 7 32 | 0 59 | 4 37 | 2 30 |
| S 5 | 6 19 | 5 8 | 3 27 | 6 2 | 3 34 | 18 2 | 2 21 | 0 10 | 0 50 | 20 0 | 1 6 | 12 3 | 2 17 | 16 43 | 0 22 | 17 59 | 0 26 | 6 10 | 14 40 | 7 25 | 7 33 | 1 1 | 4 40 | 2 29 |
| M 6 | 5 57 | 8 36 | 4 12 | 6 29 | 3 18 | 17 54 | 2 16 | 0s 6 | 0 50 | 20 0 | 1 6 | 12 5 | 2 16 | 16 44 | 0 22 | 17 59 | 0 26 | 6 11 | 14 40 | 7 25 | 7 34 | 1 3 | 4 43 | 2 29 |
| T 7 | 5 35 | 11 45 | 4 46 | 6 54 | 3 0 | 17 46 | 2 11 | 0 21 | 0 49 | 20 1 | 1 6 | 12 7 | 2 16 | 16 45 | 0 22 | 18 0 | 0 26 | 6 12 | 14 39 | 7 26 | 7 35 | 1 5 | 4 46 | 2 29 |
| W 8 | 5 13 | 14 27 | 5 9 | 7 18 | 2 43 | 17 37 | 2 7 | 0 37 | 0 49 | 20 1 | 1 7 | 12 9 | 2 16 | 16 45 | 0 22 | 18 0 | 0 26 | 6 12 | 14 39 | 7 26 | 7 37 | 1 7 | 4 49 | 2 28 |
| T 9 | 4 50 | 16 33 | 5 17 | 7 40 | 2 24 | 17 27 | 2 2 | 0 52 | 0 48 | 20 1 | 1 7 | 12 11 | 2 16 | 16 46 | 0 22 | 18 0 | 0 26 | 6 13 | 14 38 | 7 26 | 7 38 | 1 9 | 4 52 | 2 28 |
| F 10 | 4 28 | 17 54 | 5 11 | 7 59 | 2 6 | 17 18 | 1 57 | 1 8 | 0 48 | 20 2 | 1 7 | 12 13 | 2 16 | 16 47 | 0 22 | 18 1 | 0 26 | 6 14 | 14 37 | 7 26 | 7 39 | 1 11 | 4 55 | 2 27 |
| S 11 | 4 5 | 18 23 | 4 49 | 8 15 | 1 47 | 17 7 | 1 52 | 1 23 | 0 47 | 20 2 | 1 7 | 12 15 | 2 15 | 16 47 | 0 22 | 18 1 | 0 26 | 6 14 | 14 37 | 7 26 | 7 40 | 1 12 | 4 58 | 2 27 |
| S 12 | 3 42 | 17 52 | 4 12 | 8 29 | 1 28 | 16 57 | 1 48 | 1 39 | 0 47 | 20 2 | 1 7 | 12 17 | 2 15 | 16 48 | 0 22 | 18 1 | 0 26 | 6 15 | 14 36 | 7 26 | 7 41 | 1 14 | 5 1 | 2 27 |
| M13 | 3 20 | 16 18 | 3 18 | 8 39 | 1 10 | 16 46 | 1 43 | 1 54 | 0 46 | 20 3 | 1 7 | 12 19 | 2 15 | 16 49 | 0 22 | 18 2 | 0 26 | 6 16 | 14 36 | 7 25 | 7 43 | 1 16 | 5 4 | 2 26 |
| T 14 | 2 57 | 13 40 | 2 11 | 8 45 | 0 52 | 16 34 | 1 38 | 2 10 | 0 46 | 20 3 | 1 7 | 12 20 | 2 15 | 16 49 | 0 22 | 18 2 | 0 26 | 6 16 | 14 35 | 7 25 | 7 44 | 1 18 | 5 7 | 2 26 |
| W15 | 2 34 | 10 7 | 0 53 | 8 48 | 0 35 | 16 22 | 1 33 | 2 25 | 0 46 | 20 3 | 1 8 | 12 22 | 2 15 | 16 50 | 0 22 | 18 2 | 0 26 | 6 17 | 14 35 | 7 25 | 7 45 | 1 20 | 5 10 | 2 26 |
| T 16 | 2 11 | 5 50 | 0n29 | 8 48 | 0 18 | 16 10 | 1 29 | 2 41 | 0 45 | 20 3 | 1 8 | 12 24 | 2 15 | 16 51 | 0 22 | 18 2 | 0 26 | 6 18 | 14 34 | 7 25 | 7 46 | 1 22 | 5 13 | 2 25 |
| F 17 | 1 48 | 1 8 | 1 51 | 8 44 | 0 3 | 15 57 | 1 24 | 2 56 | 0 45 | 20 3 | 1 8 | 12 26 | 2 14 | 16 51 | 0 22 | 18 3 | 0 26 | 6 19 | 14 34 | 7 25 | 7 47 | 1 24 | 5 16 | 2 25 |
| S 18 | 1 26 | 3s38 | 3 5 | 8 36 | 0n12 | 15 43 | 1 19 | 3 11 | 0 44 | 20 3 | 1 8 | 12 28 | 2 14 | 16 52 | 0 22 | 18 3 | 0 26 | 6 19 | 14 33 | 7 25 | 7 49 | 1 26 | 5 19 | 2 25 |
| S 19 | 1 3 | 8 8 | 4 5 | 8 24 | 0 26 | 15 29 | 1 15 | 3 27 | 0 44 | 20 3 | 1 8 | 12 30 | 2 14 | 16 53 | 0 22 | 18 3 | 0 26 | 6 20 | 14 33 | 7 26 | 7 50 | 1 28 | 5 22 | 2 24 |
| M20 | 0 40 | 12 3 | 4 48 | 8 9 | 0 39 | 15 15 | 1 10 | 3 42 | 0 43 | 20 3 | 1 8 | 12 33 | 2 14 | 16 54 | 0 22 | 18 3 | 0 26 | 6 21 | 14 32 | 7 27 | 7 51 | 1 29 | 5 25 | 2 24 |
| T 21 | 0 17 | 15 8 | 5 11 | 7 50 | 0 51 | 15 0 | 1 5 | 3 58 | 0 43 | 20 3 | 1 8 | 12 35 | 2 14 | 16 54 | 0 22 | 18 4 | 0 25 | 6 21 | 14 32 | 7 28 | 7 52 | 1 31 | 5 28 | 2 24 |
| W22 | 0s 7 | 17 14 | 5 15 | 7 28 | 1 2 | 14 45 | 1 1 | 4 13 | 0 42 | 20 3 | 1 9 | 12 37 | 2 14 | 16 55 | 0 22 | 18 4 | 0 25 | 6 22 | 14 31 | 7 28 | 7 53 | 1 33 | 5 31 | 2 23 |
| T 23 | 0 30 | 18 17 | 5 1 | 7 3 | 1 11 | 14 30 | 0 56 | 4 28 | 0 42 | 20 3 | 1 9 | 12 39 | 2 14 | 16 56 | 0 22 | 18 4 | 0 25 | 6 23 | 14 31 | 7 29 | 7 54 | 1 35 | 5 34 | 2 23 |
| F 24 | 0 53 | 18 18 | 4 32 | 6 35 | 1 20 | 14 14 | 0 52 | 4 44 | 0 41 | 20 3 | 1 9 | 12 41 | 2 13 | 16 57 | 0 22 | 18 4 | 0 25 | 6 24 | 14 30 | 7 28 | 7 56 | 1 37 | 5 37 | 2 23 |
| S 25 | 1 16 | 17 22 | 3 50 | 6 4 | 1 27 | 13 57 | 0 47 | 4 59 | 0 41 | 20 3 | 1 9 | 12 43 | 2 13 | 16 58 | 0 22 | 18 4 | 0 25 | 6 24 | 14 30 | 7 28 | 7 57 | 1 39 | 5 40 | 2 22 |
| S 26 | 1 39 | 15 37 | 2 57 | 5 31 | 1 33 | 13 41 | 0 43 | 5 14 | 0 40 | 20 3 | 1 9 | 12 45 | 2 13 | 16 58 | 0 22 | 18 5 | 0 25 | 6 25 | 14 29 | 7 27 | 7 58 | 1 41 | 5 43 | 2 22 |
| M27 | 2 2 | 13 11 | 1 58 | 4 55 | 1 38 | 13 23 | 0 38 | 5 29 | 0 40 | 20 2 | 1 9 | 12 47 | 2 13 | 16 59 | 0 22 | 18 5 | 0 25 | 6 26 | 14 29 | 7 27 | 7 59 | 1 43 | 5 46 | 2 22 |
| T 28 | 2 25 | 10 12 | 0 54 | 4 17 | 1 42 | 13 6 | 0 34 | 5 45 | 0 40 | 20 2 | 1 9 | 12 49 | 2 13 | 17 0 | 0 21 | 18 5 | 0 25 | 6 27 | 14 28 | 7 26 | 8 0 | 1 45 | 5 49 | 2 21 |
| W29 | 2 48 | 6 50 | 0s11 | 3 37 | 1 46 | 12 48 | 0 30 | 6 0 | 0 39 | 20 2 | 1 10 | 12 51 | 2 13 | 17 1 | 0 21 | 18 5 | 0 25 | 6 27 | 14 28 | 7 26 | 8 2 | 1 46 | 5 53 | 2 21 |
| T 30 | 3s11 | 3s13 | 1s16 | 2n56 | 1n48 | 12n29 | 0s25 | 6s15 | 0n39 | 20n 2 | 1s10 | 12s53 | 2n13 | 17s 2 | 0n21 | 18s 5 | 0n25 | 6s28 | 14n28 | 7n27 | 8n 3 | 1n48 | 5s56 | 2s21 |

Julian Day Number = 2811187.5, Delta T = 53m13s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°31'27, Lahiri = 37°38'27


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# ASTRODIENST EPHEMERIS for the year 2984
# geocentric

## OCTOBER 2984 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 0 43 5 | 9♎ 1'30 | 6♈38 | 28♍36 | 26♌50 | 18♎10 | 5°R51 | 10♏56 | 19♏ 3 | 6°R41 | 3♐12 | 10°R51 | 9♍14 | 11♈ 1 | 9♎42 | F 1 |
| S 2 | 0 47 2 | 9°59'58 | 18°27 | 0♎27 | 27°58 | 18°49 | 5♊50 | 11° 2 | 19° 6 | 6♒41 | 3°14 | 10♍48 | 9°11 | 11° 8 | 9°51 | S 2 |
| S 3 | 0 50 59 | 10°58'28 | 0♉18 | 2°19 | 29° 6 | 19°28 | 5°48 | 11° 9 | 19° 9 | 6°40 | 3°15 | 10°43 | 9° 7 | 11°15 | 10° 0 | S 3 |
| M 4 | 0 54 55 | 11°57'00 | 12°14 | 4°11 | 0♍14 | 20° 7 | 5°46 | 11°16 | 19°12 | 6°40 | 3°17 | 10°37 | 9° 4 | 11°21 | 10° 8 | M 4 |
| T 5 | 0 58 52 | 12°55'34 | 24°15 | 6° 3 | 1°22 | 20°46 | 5°44 | 11°22 | 19°16 | 6°40 | 3°19 | 10°32 | 9° 1 | 11°28 | 10°17 | T 5 |
| W 6 | 1 2 48 | 13°54'10 | 6♊25 | 7°55 | 2°31 | 21°25 | 5°42 | 11°29 | 19°19 | 6°39 | 3°20 | 10°26 | 8°58 | 11°35 | 10°26 | W 6 |
| T 7 | 1 6 45 | 14°52'49 | 18°46 | 9°47 | 3°40 | 22° 3 | 5°39 | 11°36 | 19°22 | 6°39 | 3°22 | 10°22 | 8°55 | 11°41 | 10°34 | T 7 |
| F 8 | 1 10 41 | 15°51'29 | 1♋22 | 11°38 | 4°49 | 22°42 | 5°36 | 11°43 | 19°25 | 6°38 | 3°24 | 10°20 | 8°52 | 11°48 | 10°43 | F 8 |
| S 9 | 1 14 38 | 16°50'12 | 14°15 | 13°28 | 5°58 | 23°21 | 5°34 | 11°49 | 19°29 | 6°38 | 3°26 | 10°D19 | 8°48 | 11°55 | 10°51 | S 9 |
| S 10 | 1 18 34 | 17°48'56 | 27°30 | 15°18 | 7° 7 | 24° 0 | 5°30 | 11°56 | 19°32 | 6°38 | 3°27 | 10°19 | 8°45 | 12° 1 | 11° 0 | S 10 |
| M11 | 1 22 31 | 18°47'44 | 11♌ 8 | 17° 7 | 8°16 | 24°39 | 5°27 | 12° 3 | 19°35 | 6°38 | 3°29 | 10°20 | 8°42 | 12° 8 | 11° 9 | M11 |
| T 12 | 1 26 27 | 19°46'33 | 25°11 | 18°56 | 9°26 | 25°19 | 5°24 | 12°10 | 19°39 | 6°37 | 3°31 | 10°22 | 8°39 | 12°15 | 11°17 | T 12 |
| W13 | 1 30 24 | 20°45'24 | 9♍40 | 20°43 | 10°36 | 25°58 | 5°20 | 12°17 | 19°42 | 6°37 | 3°33 | 10°R22 | 8°36 | 12°21 | 11°26 | W13 |
| T 14 | 1 34 21 | 21°44'18 | 24°31 | 22°30 | 11°45 | 26°37 | 5°16 | 12°24 | 19°45 | 6°37 | 3°35 | 10°22 | 8°32 | 12°28 | 11°34 | T 14 |
| F 15 | 1 38 17 | 22°43'13 | 9♎37 | 24°16 | 12°55 | 27°16 | 5°12 | 12°31 | 19°49 | 6°37 | 3°37 | 10°19 | 8°29 | 12°35 | 11°43 | F 15 |
| S 16 | 1 42 14 | 23°42'11 | 24°52 | 26° 1 | 14° 5 | 27°55 | 5° 8 | 12°38 | 19°52 | 6°37 | 3°39 | 10°14 | 8°26 | 12°41 | 11°52 | S 16 |
| S 17 | 1 46 10 | 24°41'11 | 10♏ 3 | 27°45 | 15°16 | 28°35 | 5° 3 | 12°45 | 19°56 | 6°37 | 3°41 | 10° 8 | 8°23 | 12°48 | 12° 0 | S 17 |
| M18 | 1 50 7 | 25°40'12 | 25° 1 | 29°28 | 16°26 | 29°14 | 4°59 | 12°52 | 19°59 | 6°D37 | 3°43 | 10° 1 | 8°20 | 12°55 | 12° 9 | M18 |
| T 19 | 1 54 3 | 26°39'16 | 9♐38 | 1♏11 | 17°36 | 29°53 | 4°54 | 12°59 | 20° 3 | 6°37 | 3°45 | 9°54 | 8°17 | 13° 1 | 12°17 | T 19 |
| W20 | 1 58 0 | 27°38'21 | 23°48 | 2°52 | 18°47 | 0♏33 | 4°49 | 13° 6 | 20° 6 | 6°37 | 3°47 | 9°48 | 8°13 | 13° 8 | 12°26 | W20 |
| T 21 | 2 1 56 | 28°37'28 | 7♑28 | 4°33 | 19°58 | 1°12 | 4°44 | 13°13 | 20°10 | 6°37 | 3°49 | 9°44 | 8°10 | 13°15 | 12°34 | T 21 |
| F 22 | 2 5 53 | 29°36'37 | 20°40 | 6°13 | 21° 8 | 1°51 | 4°39 | 13°21 | 20°14 | 6°37 | 3°51 | 9°42 | 8° 7 | 13°21 | 12°43 | F 22 |
| S 23 | 2 9 50 | 0♏35'47 | 3♒26 | 7°53 | 22°19 | 2°31 | 4°33 | 13°28 | 20°17 | 6°37 | 3°53 | 9°D42 | 8° 4 | 13°28 | 12°51 | S 23 |
| S 24 | 2 13 46 | 1°34'59 | 15°51 | 9°31 | 23°30 | 3°10 | 4°27 | 13°35 | 20°21 | 6°38 | 3°55 | 9°42 | 8° 1 | 13°35 | 12°59 | S 24 |
| M25 | 2 17 43 | 2°34'13 | 28° 0 | 11° 9 | 24°41 | 3°50 | 4°22 | 13°42 | 20°24 | 6°38 | 3°57 | 9°44 | 7°58 | 13°41 | 13° 8 | M25 |
| T 26 | 2 21 39 | 3°33'29 | 9♓58 | 12°46 | 25°53 | 4°29 | 4°16 | 13°49 | 20°28 | 6°38 | 3°59 | 9°R44 | 7°54 | 13°48 | 13°16 | T 26 |
| W27 | 2 25 36 | 4°32'46 | 21°48 | 14°22 | 27° 4 | 5° 9 | 4°10 | 13°57 | 20°32 | 6°38 | 4° 2 | 9°43 | 7°51 | 13°55 | 13°24 | W27 |
| T 28 | 2 29 32 | 5°32'05 | 3♈36 | 15°57 | 28°15 | 5°49 | 4° 4 | 14° 4 | 20°35 | 6°39 | 4° 4 | 9°40 | 7°48 | 14° 1 | 13°33 | T 28 |
| F 29 | 2 33 29 | 6°31'26 | 15°25 | 17°32 | 29°27 | 6°28 | 3°57 | 14°11 | 20°39 | 6°39 | 4° 6 | 9°35 | 7°45 | 14° 8 | 13°41 | F 29 |
| S 30 | 2 37 25 | 7°30'49 | 27°17 | 19° 6 | 0♎39 | 7° 8 | 3°51 | 14°18 | 20°43 | 6°39 | 4° 8 | 9°27 | 7°42 | 14°15 | 13°49 | S 30 |
| S 31 | 2 41 22 | 8♏30'13 | 9♉14 | 20♏40 | 1♎50 | 7♏48 | 3♊44 | 14♏26 | 20♏46 | 6♒40 | 4♐10 | 9♍17 | 7♍38 | 14♈21 | 13♎57 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 3s34 | 0n32 | 2s17 | 2n14 | 1n49 | 12n11 | 0s21 | 6s30 | 0n38 | 20n 1 | 1s10 | 12s55 | 2n12 | 17s 3 | 0n21 | 18s 6 | 0n25 | 6s29 | 14n27 | 7n27 | 8n 4 | 1n50 | 5s59 | 2s20 |
| S 2 | 3 56 | 4 14 | 3 12 | 1 30 | 1 50 | 11 51 | 0 17 | 6 45 | 0 38 | 20 1 | 1 10 | 12 58 | 2 12 | 17 4 | 0 21 | 18 6 | 0 25 | 6 29 | 14 27 | 7 29 | 8 5 | 1 52 | 6 2 | 2 20 |
| S 3 | 4 19 | 7 48 | 3 58 | 0 46 | 1 49 | 11 32 | 0 13 | 7 0 | 0 37 | 20 0 | 1 10 | 13 0 | 2 12 | 17 4 | 0 21 | 18 6 | 0 25 | 6 30 | 14 26 | 7 31 | 8 6 | 1 54 | 6 5 | 2 20 |
| M 4 | 4 42 | 11 3 | 4 35 | 0 0 | 1 48 | 11 12 | 0 8 | 7 15 | 0 37 | 20 0 | 1 10 | 13 2 | 2 12 | 17 5 | 0 21 | 18 6 | 0 25 | 6 31 | 14 26 | 7 33 | 8 8 | 1 56 | 6 8 | 2 20 |
| T 5 | 5 5 | 13 53 | 4 59 | 0s45 | 1 47 | 10 52 | 0 4 | 7 30 | 0 36 | 19 59 | 1 10 | 13 4 | 2 12 | 17 6 | 0 21 | 18 6 | 0 25 | 6 32 | 14 25 | 7 35 | 8 9 | 1 58 | 6 11 | 2 19 |
| W 6 | 5 27 | 16 9 | 5 11 | 1 31 | 1 45 | 10 31 | 0 0 | 7 45 | 0 36 | 19 59 | 1 10 | 13 6 | 2 12 | 17 7 | 0 21 | 18 6 | 0 25 | 6 32 | 14 25 | 7 37 | 8 10 | 2 0 | 6 14 | 2 19 |
| T 7 | 5 50 | 17 43 | 5 9 | 2 17 | 1 42 | 10 10 | 0n 4 | 8 0 | 0 35 | 19 58 | 1 11 | 13 8 | 2 12 | 17 8 | 0 21 | 18 6 | 0 25 | 6 33 | 14 25 | 7 38 | 8 11 | 2 2 | 6 18 | 2 19 |
| F 8 | 6 12 | 18 27 | 4 51 | 3 4 | 1 39 | 9 49 | 0 8 | 8 15 | 0 35 | 19 58 | 1 11 | 13 10 | 2 12 | 17 9 | 0 21 | 18 6 | 0 25 | 6 34 | 14 24 | 7 39 | 8 12 | 2 3 | 6 21 | 2 19 |
| S 9 | 6 35 | 18 15 | 4 19 | 3 50 | 1 35 | 9 27 | 0 11 | 8 30 | 0 34 | 19 57 | 1 11 | 13 13 | 2 12 | 17 10 | 0 21 | 18 6 | 0 25 | 6 34 | 14 24 | 7 40 | 8 13 | 2 5 | 6 24 | 2 18 |
| S 10 | 6 57 | 17 5 | 3 32 | 4 36 | 1 31 | 9 5 | 0 15 | 8 44 | 0 34 | 19 57 | 1 11 | 13 15 | 2 11 | 17 11 | 0 21 | 18 7 | 0 25 | 6 35 | 14 23 | 7 40 | 8 15 | 2 7 | 6 27 | 2 18 |
| M11 | 7 19 | 14 54 | 2 32 | 5 22 | 1 26 | 8 43 | 0 19 | 8 59 | 0 33 | 19 56 | 1 11 | 13 17 | 2 11 | 17 12 | 0 21 | 18 7 | 0 25 | 6 36 | 14 23 | 7 39 | 8 16 | 2 9 | 6 30 | 2 18 |
| T 12 | 7 42 | 11 46 | 1 22 | 6 7 | 1 21 | 8 20 | 0 23 | 9 14 | 0 33 | 19 55 | 1 11 | 13 19 | 2 11 | 17 13 | 0 21 | 18 7 | 0 25 | 6 37 | 14 23 | 7 39 | 8 17 | 2 11 | 6 33 | 2 17 |
| W13 | 8 4 | 7 51 | 0 4 | 6 52 | 1 16 | 7 58 | 0 26 | 9 28 | 0 32 | 19 54 | 1 11 | 13 21 | 2 11 | 17 13 | 0 21 | 18 7 | 0 25 | 6 37 | 14 22 | 7 38 | 8 18 | 2 13 | 6 36 | 2 17 |
| T 14 | 8 26 | 3 20 | 1n16 | 7 37 | 1 10 | 7 35 | 0 30 | 9 43 | 0 32 | 19 54 | 1 11 | 13 24 | 2 11 | 17 14 | 0 21 | 18 7 | 0 25 | 6 38 | 14 22 | 7 39 | 8 19 | 2 15 | 6 39 | 2 17 |
| F 15 | 8 47 | 1s28 | 2 32 | 8 21 | 1 5 | 7 11 | 0 33 | 9 57 | 0 31 | 19 53 | 1 11 | 13 26 | 2 11 | 17 15 | 0 21 | 18 7 | 0 25 | 6 39 | 14 21 | 7 40 | 8 21 | 2 17 | 6 42 | 2 17 |
| S 16 | 9 9 | 6 12 | 3 38 | 9 5 | 0 59 | 6 48 | 0 37 | 10 12 | 0 31 | 19 52 | 1 11 | 13 28 | 2 11 | 17 16 | 0 21 | 18 7 | 0 25 | 6 39 | 14 21 | 7 41 | 8 22 | 2 19 | 6 46 | 2 16 |
| S 17 | 9 31 | 10 31 | 4 27 | 9 48 | 0 52 | 6 24 | 0 40 | 10 26 | 0 30 | 19 51 | 1 12 | 13 30 | 2 11 | 17 17 | 0 21 | 18 7 | 0 25 | 6 40 | 14 21 | 7 44 | 8 23 | 2 21 | 6 49 | 2 16 |
| M18 | 9 52 | 14 5 | 4 58 | 10 30 | 0 46 | 6 0 | 0 43 | 10 41 | 0 30 | 19 50 | 1 12 | 13 32 | 2 11 | 17 18 | 0 21 | 18 7 | 0 25 | 6 41 | 14 20 | 7 46 | 8 24 | 2 22 | 6 52 | 2 16 |
| T 19 | 10 13 | 16 41 | 5 8 | 11 12 | 0 40 | 5 35 | 0 47 | 10 55 | 0 29 | 19 49 | 1 12 | 13 34 | 2 11 | 17 19 | 0 21 | 18 7 | 0 25 | 6 41 | 14 20 | 7 49 | 8 25 | 2 24 | 6 55 | 2 16 |
| W20 | 10 35 | 18 11 | 4 59 | 11 53 | 0 33 | 5 11 | 0 50 | 11 9 | 0 29 | 19 48 | 1 12 | 13 37 | 2 11 | 17 20 | 0 21 | 18 7 | 0 25 | 6 42 | 14 20 | 7 51 | 8 26 | 2 26 | 6 58 | 2 15 |
| T 21 | 10 56 | 18 33 | 4 33 | 12 33 | 0 26 | 4 46 | 0 53 | 11 23 | 0 28 | 19 47 | 1 12 | 13 39 | 2 11 | 17 21 | 0 21 | 18 7 | 0 25 | 6 43 | 14 19 | 7 53 | 8 28 | 2 28 | 7 1 | 2 15 |
| F 22 | 11 16 | 17 53 | 3 53 | 13 13 | 0 20 | 4 21 | 0 56 | 11 37 | 0 28 | 19 46 | 1 12 | 13 41 | 2 11 | 17 22 | 0 21 | 18 7 | 0 25 | 6 43 | 14 19 | 7 53 | 8 29 | 2 30 | 7 4 | 2 15 |
| S 23 | 11 37 | 16 19 | 3 3 | 13 52 | 0 13 | 3 56 | 0 59 | 11 51 | 0 27 | 19 45 | 1 12 | 13 43 | 2 10 | 17 23 | 0 21 | 18 7 | 0 25 | 6 44 | 14 19 | 7 54 | 8 30 | 2 32 | 7 7 | 2 15 |
| S 24 | 11 58 | 14 0 | 2 5 | 14 30 | 0 6 | 3 30 | 1 1 | 12 5 | 0 27 | 19 44 | 1 12 | 13 45 | 2 10 | 17 24 | 0 21 | 18 7 | 0 25 | 6 45 | 14 18 | 7 53 | 8 31 | 2 34 | 7 10 | 2 15 |
| M25 | 12 18 | 11 7 | 1 3 | 15 7 | 0s 1 | 3 5 | 1 4 | 12 19 | 0 26 | 19 43 | 1 12 | 13 47 | 2 10 | 17 25 | 0 21 | 18 7 | 0 25 | 6 45 | 14 18 | 7 53 | 8 32 | 2 36 | 7 13 | 2 14 |
| T 26 | 12 38 | 7 49 | 0s 1 | 15 43 | 0 8 | 2 39 | 1 7 | 12 33 | 0 26 | 19 42 | 1 12 | 13 50 | 2 10 | 17 26 | 0 21 | 18 7 | 0 25 | 6 46 | 14 18 | 7 53 | 8 34 | 2 38 | 7 16 | 2 14 |
| W27 | 12 58 | 4 13 | 1 4 | 16 18 | 0 15 | 2 13 | 1 9 | 12 46 | 0 25 | 19 41 | 1 12 | 13 52 | 2 10 | 17 27 | 0 21 | 18 7 | 0 25 | 6 47 | 14 17 | 7 53 | 8 35 | 2 40 | 7 19 | 2 14 |
| T 28 | 13 18 | 0 29 | 2 5 | 16 53 | 0 22 | 1 47 | 1 12 | 13 0 | 0 25 | 19 40 | 1 12 | 13 54 | 2 10 | 17 28 | 0 21 | 18 7 | 0 25 | 6 47 | 14 17 | 7 54 | 8 36 | 2 41 | 7 22 | 2 14 |
| F 29 | 13 37 | 3n17 | 2 59 | 17 26 | 0 29 | 1 21 | 1 14 | 13 13 | 0 24 | 19 38 | 1 12 | 13 56 | 2 10 | 17 29 | 0 21 | 18 7 | 0 25 | 6 48 | 14 17 | 7 56 | 8 37 | 2 43 | 7 25 | 2 14 |
| S 30 | 13 57 | 6 56 | 3 46 | 17 59 | 0 36 | 0 55 | 1 17 | 13 27 | 0 24 | 19 37 | 1 12 | 13 58 | 2 10 | 17 30 | 0 21 | 18 7 | 0 25 | 6 49 | 14 17 | 7 59 | 8 38 | 2 45 | 7 28 | 2 13 |
| S 31 | 14s16 | 10n20 | 4s23 | 18s31 | 0s43 | 0n29 | 1n19 | 13s40 | 0n23 | 19n36 | 1s12 | 14s 0 | 2n10 | 17s31 | 0n21 | 18s 7 | 0n25 | 6s49 | 14n16 | 8n 3 | 8n39 | 2n47 | 7s31 | 2s13 |

Julian Day Number = 2811217.5, Delta T = 53m14s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°31'31, Lahiri = 37°38'32


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# ASTRODIENST EPHEMERIS for the year 2984
# geocentric

## NOVEMBER 2984 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 2 45 19 | 9♏29'40 | 21♉18 | 22♏13 | 3♎ 2 | 8♏27 | 3°R37 | 14♏33 | 20♏50 | 6♒40 | 4♐13 | 9°R 5 | 7♍35 | 14♈28 | 14♎ 6 | M 1 |
| T 2 | 2 49 15 | 10°29'09 | 3♊30 | 23°45 | 4°14 | 9° 7 | 3♊30 | 14°40 | 20°54 | 6°41 | 4°15 | 8♍54 | 7°32 | 14°35 | 14°14 | T 2 |
| W 3 | 2 53 12 | 11°28'40 | 15°51 | 25°16 | 5°26 | 9°47 | 3°23 | 14°48 | 20°58 | 6°41 | 4°17 | 8°43 | 7°29 | 14°41 | 14°22 | W 3 |
| T 4 | 2 57 8 | 12°28'13 | 28°22 | 26°47 | 6°38 | 10°27 | 3°16 | 14°55 | 21° 1 | 6°42 | 4°19 | 8°33 | 7°26 | 14°48 | 14°30 | T 4 |
| F 5 | 3 1 5 | 13°27'48 | 11♋ 4 | 28°18 | 7°51 | 11° 7 | 3° 9 | 15° 2 | 21° 5 | 6°43 | 4°22 | 8°26 | 7°23 | 14°55 | 14°38 | F 5 |
| S 6 | 3 5 1 | 14°27'26 | 24° 0 | 29°47 | 9° 3 | 11°47 | 3° 2 | 15° 9 | 21° 9 | 6°43 | 4°24 | 8°22 | 7°19 | 15° 2 | 14°46 | S 6 |
| S 7 | 3 8 58 | 15°27'05 | 7♌13 | 1♐16 | 10°15 | 12°27 | 2°54 | 15°17 | 21°13 | 6°44 | 4°26 | 8°20 | 7°16 | 15° 8 | 14°54 | S 7 |
| M 8 | 3 12 54 | 16°26'47 | 20°43 | 2°45 | 11°28 | 13° 7 | 2°47 | 15°24 | 21°16 | 6°45 | 4°28 | 8°D20 | 7°13 | 15°15 | 15° 2 | M 8 |
| T 9 | 3 16 51 | 17°26'31 | 4♍34 | 4°13 | 12°40 | 13°47 | 2°39 | 15°31 | 21°20 | 6°45 | 4°31 | 8°R20 | 7°10 | 15°22 | 15°10 | T 9 |
| W10 | 3 20 48 | 18°26'18 | 18°47 | 5°40 | 13°53 | 14°27 | 2°32 | 15°39 | 21°24 | 6°46 | 4°33 | 8°20 | 7° 7 | 15°28 | 15°18 | W10 |
| T 11 | 3 24 44 | 19°26'06 | 3♎20 | 7° 7 | 15° 6 | 15° 7 | 2°24 | 15°46 | 21°28 | 6°47 | 4°35 | 8°18 | 7° 4 | 15°35 | 15°25 | T 11 |
| F 12 | 3 28 41 | 20°25'57 | 18°10 | 8°33 | 16°19 | 15°47 | 2°16 | 15°53 | 21°31 | 6°48 | 4°38 | 8°13 | 7° 0 | 15°42 | 15°33 | F 12 |
| S 13 | 3 32 37 | 21°25'49 | 3♏10 | 9°58 | 17°31 | 16°27 | 2° 8 | 16° 1 | 21°35 | 6°48 | 4°40 | 8° 5 | 6°57 | 15°48 | 15°41 | S 13 |
| S 14 | 3 36 34 | 22°25'44 | 18°13 | 11°22 | 18°44 | 17° 8 | 2° 0 | 16° 8 | 21°39 | 6°49 | 4°43 | 7°56 | 6°54 | 15°55 | 15°48 | S 14 |
| M15 | 3 40 30 | 23°25'41 | 3♐ 8 | 12°46 | 19°57 | 17°48 | 1°52 | 16°15 | 21°43 | 6°50 | 4°45 | 7°44 | 6°51 | 16° 2 | 15°56 | M15 |
| T 16 | 3 44 27 | 24°25'39 | 17°46 | 14° 9 | 21°11 | 18°28 | 1°44 | 16°22 | 21°47 | 6°51 | 4°47 | 7°33 | 6°48 | 16° 8 | 16° 4 | T 16 |
| W17 | 3 48 23 | 25°25'40 | 2♑ 0 | 15°31 | 22°24 | 19° 9 | 1°36 | 16°30 | 21°50 | 6°52 | 4°50 | 7°23 | 6°44 | 16°15 | 16°11 | W17 |
| T 18 | 3 52 20 | 26°25'42 | 15°46 | 16°52 | 23°37 | 19°49 | 1°28 | 16°37 | 21°54 | 6°53 | 4°52 | 7°15 | 6°41 | 16°22 | 16°19 | T 18 |
| F 19 | 3 56 17 | 27°25'45 | 29° 3 | 18°11 | 24°50 | 20°30 | 1°20 | 16°44 | 21°58 | 6°54 | 4°54 | 7°10 | 6°38 | 16°28 | 16°26 | F 19 |
| S 20 | 4 0 13 | 28°25'50 | 11♒53 | 19°30 | 26° 4 | 21°10 | 1°12 | 16°51 | 22° 2 | 6°55 | 4°57 | 7° 7 | 6°35 | 16°35 | 16°33 | S 20 |
| S 21 | 4 4 10 | 29°25'57 | 24°21 | 20°48 | 27°17 | 21°51 | 1° 4 | 16°58 | 22° 5 | 6°56 | 4°59 | 7° 6 | 6°32 | 16°42 | 16°41 | S 21 |
| M22 | 4 8 6 | 0♐26'05 | 6♓30 | 22° 4 | 28°30 | 22°31 | 0°56 | 17° 6 | 22° 9 | 6°58 | 5° 2 | 7° 6 | 6°29 | 16°48 | 16°48 | M22 |
| T 23 | 4 12 3 | 1°26'14 | 18°27 | 23°18 | 29°44 | 23°12 | 0°47 | 17°13 | 22°13 | 6°59 | 5° 4 | 7° 6 | 6°25 | 16°55 | 16°55 | T 23 |
| W24 | 4 15 59 | 2°26'25 | 0♈17 | 24°31 | 0♏58 | 23°52 | 0°39 | 17°20 | 22°17 | 7° 0 | 5° 7 | 7° 4 | 6°22 | 17° 2 | 17° 2 | W24 |
| T 25 | 4 19 56 | 3°26'37 | 12° 5 | 25°42 | 2°11 | 24°33 | 0°31 | 17°27 | 22°20 | 7° 1 | 5° 9 | 7° 0 | 6°19 | 17° 8 | 17° 9 | T 25 |
| F 26 | 4 23 52 | 4°26'51 | 23°55 | 26°51 | 3°25 | 25°14 | 0°23 | 17°34 | 22°24 | 7° 2 | 5°11 | 6°53 | 6°16 | 17°15 | 17°16 | F 26 |
| S 27 | 4 27 49 | 5°27'06 | 5♉51 | 27°58 | 4°39 | 25°54 | 0°15 | 17°41 | 22°28 | 7° 4 | 5°14 | 6°43 | 6°13 | 17°22 | 17°23 | S 27 |
| S 28 | 4 31 46 | 6°27'23 | 17°56 | 29° 1 | 5°52 | 26°35 | 0° 7 | 17°48 | 22°31 | 7° 5 | 5°16 | 6°31 | 6° 9 | 17°28 | 17°30 | S 28 |
| M29 | 4 35 42 | 7°27'42 | 0♊12 | 0♑ 2 | 7° 6 | 27°16 | 29♉59 | 17°55 | 22°35 | 7° 6 | 5°19 | 6°17 | 6° 6 | 17°35 | 17°37 | M29 |
| T 30 | 4 39 39 | 8♐28'02 | 12♊38 | 0♑59 | 8♏20 | 27♏57 | 29♉51 | 18♏ 2 | 22♏39 | 7♒ 8 | 5♐21 | 6♍ 3 | 6♍ 3 | 17♈42 | 17♎43 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14s35 | 13n20 | 4s49 | 19s 1 | 0s50 | 0n 3 | 1n21 | 13s53 | 0n23 | 19n35 | 1s12 | 14s 3 | 2n10 | 17s32 | 0n21 | 18s 6 | 0n25 | 6s50 | 14n16 | 8n 7 | 8n41 | 2n49 | 7s34 | 2s13 |
| T 2 | 14 53 | 15 48 | 5 2 | 19 31 | 0 56 | 0s24 | 1 23 | 14 6 | 0 22 | 19 33 | 1 12 | 14 5 | 2 10 | 17 33 | 0 21 | 18 6 | 0 25 | 6 51 | 14 16 | 8 11 | 8 42 | 2 51 | 7 37 | 2 13 |
| W 3 | 15 12 | 17 34 | 5 1 | 20 0 | 1 3 | 0 51 | 1 25 | 14 19 | 0 22 | 19 32 | 1 12 | 14 7 | 2 10 | 17 34 | 0 21 | 18 6 | 0 24 | 6 51 | 14 16 | 8 16 | 8 43 | 2 53 | 7 40 | 2 13 |
| T 4 | 15 30 | 18 32 | 4 46 | 20 28 | 1 10 | 1 17 | 1 27 | 14 32 | 0 21 | 19 31 | 1 12 | 14 9 | 2 10 | 17 35 | 0 21 | 18 6 | 0 24 | 6 52 | 14 15 | 8 19 | 8 44 | 2 55 | 7 43 | 2 12 |
| F 5 | 15 48 | 18 36 | 4 16 | 20 55 | 1 16 | 1 44 | 1 29 | 14 45 | 0 21 | 19 29 | 1 12 | 14 11 | 2 10 | 17 36 | 0 21 | 18 6 | 0 24 | 6 52 | 14 15 | 8 22 | 8 45 | 2 57 | 7 46 | 2 12 |
| S 6 | 16 5 | 17 42 | 3 33 | 21 20 | 1 22 | 2 11 | 1 31 | 14 58 | 0 20 | 19 28 | 1 12 | 14 13 | 2 10 | 17 37 | 0 21 | 18 6 | 0 24 | 6 53 | 14 15 | 8 23 | 8 46 | 2 59 | 7 49 | 2 12 |
| S 7 | 16 23 | 15 50 | 2 38 | 21 45 | 1 29 | 2 37 | 1 32 | 15 11 | 0 20 | 19 27 | 1 12 | 14 15 | 2 10 | 17 38 | 0 21 | 18 6 | 0 24 | 6 54 | 14 15 | 8 24 | 8 48 | 3 0 | 7 52 | 2 12 |
| M 8 | 16 40 | 13 3 | 1 32 | 22 9 | 1 35 | 3 4 | 1 34 | 15 23 | 0 19 | 19 25 | 1 12 | 14 17 | 2 10 | 17 39 | 0 21 | 18 6 | 0 24 | 6 54 | 14 14 | 8 24 | 8 49 | 3 2 | 7 55 | 2 12 |
| T 9 | 16 57 | 9 28 | 0 20 | 22 31 | 1 41 | 3 31 | 1 35 | 15 36 | 0 18 | 19 24 | 1 12 | 14 20 | 2 10 | 17 40 | 0 21 | 18 5 | 0 24 | 6 55 | 14 14 | 8 24 | 8 50 | 3 4 | 7 58 | 2 11 |
| W10 | 17 13 | 5 16 | 0n55 | 22 53 | 1 46 | 3 57 | 1 37 | 15 48 | 0 18 | 19 22 | 1 12 | 14 22 | 2 10 | 17 41 | 0 21 | 18 5 | 0 24 | 6 55 | 14 14 | 8 24 | 8 51 | 3 6 | 8 1 | 2 11 |
| T 11 | 17 30 | 0 39 | 2 9 | 23 13 | 1 52 | 4 24 | 1 38 | 16 0 | 0 17 | 19 21 | 1 12 | 14 24 | 2 10 | 17 42 | 0 21 | 18 5 | 0 24 | 6 56 | 14 14 | 8 25 | 8 52 | 3 8 | 8 3 | 2 11 |
| F 12 | 17 46 | 4s 5 | 3 15 | 23 32 | 1 57 | 4 51 | 1 39 | 16 12 | 0 17 | 19 19 | 1 12 | 14 26 | 2 10 | 17 43 | 0 21 | 18 5 | 0 24 | 6 56 | 14 14 | 8 27 | 8 54 | 3 10 | 8 6 | 2 11 |
| S 13 | 18 1 | 8 37 | 4 8 | 23 50 | 2 2 | 5 17 | 1 41 | 16 24 | 0 16 | 19 18 | 1 12 | 14 28 | 2 10 | 17 44 | 0 21 | 18 5 | 0 24 | 6 57 | 14 14 | 8 29 | 8 55 | 3 12 | 8 9 | 2 11 |
| S 14 | 18 17 | 12 37 | 4 44 | 24 7 | 2 7 | 5 44 | 1 42 | 16 36 | 0 16 | 19 16 | 1 12 | 14 30 | 2 10 | 17 45 | 0 21 | 18 5 | 0 24 | 6 58 | 14 13 | 8 33 | 8 56 | 3 14 | 8 12 | 2 11 |
| M15 | 18 32 | 15 45 | 5 0 | 24 23 | 2 12 | 6 11 | 1 43 | 16 48 | 0 15 | 19 15 | 1 12 | 14 32 | 2 10 | 17 46 | 0 21 | 18 4 | 0 24 | 6 58 | 14 13 | 8 37 | 8 57 | 3 16 | 8 15 | 2 10 |
| T 16 | 18 46 | 17 50 | 4 57 | 24 38 | 2 16 | 6 37 | 1 43 | 17 0 | 0 15 | 19 13 | 1 12 | 14 34 | 2 10 | 17 47 | 0 21 | 18 4 | 0 24 | 6 59 | 14 13 | 8 41 | 8 58 | 3 18 | 8 17 | 2 10 |
| W17 | 19 1 | 18 43 | 4 34 | 24 51 | 2 21 | 7 3 | 1 44 | 17 11 | 0 14 | 19 12 | 1 12 | 14 36 | 2 10 | 17 48 | 0 21 | 18 4 | 0 24 | 6 59 | 14 13 | 8 45 | 8 59 | 3 20 | 8 20 | 2 10 |
| T 18 | 19 15 | 18 28 | 3 57 | 25 4 | 2 24 | 7 30 | 1 45 | 17 23 | 0 14 | 19 10 | 1 12 | 14 38 | 2 10 | 17 49 | 0 21 | 18 4 | 0 24 | 7 0 | 14 13 | 8 48 | 9 1 | 3 21 | 8 23 | 2 10 |
| F 19 | 19 29 | 17 11 | 3 7 | 25 15 | 2 28 | 7 56 | 1 46 | 17 34 | 0 13 | 19 9 | 1 12 | 14 40 | 2 10 | 17 49 | 0 21 | 18 3 | 0 24 | 7 0 | 14 13 | 8 50 | 9 2 | 3 23 | 8 25 | 2 10 |
| S 20 | 19 42 | 15 3 | 2 9 | 25 24 | 2 31 | 8 22 | 1 46 | 17 45 | 0 13 | 19 7 | 1 12 | 14 42 | 2 10 | 17 50 | 0 21 | 18 3 | 0 24 | 7 1 | 14 13 | 8 51 | 9 3 | 3 25 | 8 28 | 2 10 |
| S 21 | 19 55 | 12 17 | 1 7 | 25 33 | 2 34 | 8 47 | 1 47 | 17 56 | 0 12 | 19 6 | 1 12 | 14 44 | 2 10 | 17 51 | 0 21 | 18 3 | 0 24 | 7 1 | 14 12 | 8 51 | 9 4 | 3 27 | 8 31 | 2 9 |
| M22 | 20 8 | 9 2 | 0 3 | 25 40 | 2 36 | 9 13 | 1 47 | 18 7 | 0 11 | 19 4 | 1 12 | 14 46 | 2 10 | 17 52 | 0 21 | 18 3 | 0 24 | 7 2 | 14 12 | 8 51 | 9 5 | 3 29 | 8 33 | 2 9 |
| T 23 | 20 20 | 5 28 | 1s 0 | 25 46 | 2 38 | 9 39 | 1 47 | 18 18 | 0 11 | 19 2 | 1 11 | 14 48 | 2 10 | 17 53 | 0 21 | 18 2 | 0 24 | 7 2 | 14 12 | 8 52 | 9 6 | 3 31 | 8 36 | 2 9 |
| W24 | 20 32 | 1 43 | 1 59 | 25 51 | 2 39 | 10 4 | 1 47 | 18 28 | 0 10 | 19 1 | 1 11 | 14 50 | 2 10 | 17 54 | 0 21 | 18 2 | 0 24 | 7 3 | 14 12 | 8 52 | 9 8 | 3 33 | 8 39 | 2 9 |
| T 25 | 20 44 | 2n 5 | 2 54 | 25 55 | 2 40 | 10 29 | 1 47 | 18 39 | 0 10 | 18 59 | 1 11 | 14 52 | 2 10 | 17 55 | 0 21 | 18 2 | 0 24 | 7 3 | 14 12 | 8 54 | 9 9 | 3 35 | 8 41 | 2 9 |
| F 26 | 20 55 | 5 48 | 3 41 | 25 57 | 2 41 | 10 54 | 1 48 | 18 49 | 0 9 | 18 58 | 1 11 | 14 54 | 2 10 | 17 56 | 0 21 | 18 2 | 0 24 | 7 4 | 14 12 | 8 56 | 9 10 | 3 37 | 8 44 | 2 9 |
| S 27 | 21 6 | 9 20 | 4 18 | 25 58 | 2 40 | 11 19 | 1 47 | 18 59 | 0 9 | 18 56 | 1 11 | 14 56 | 2 10 | 17 57 | 0 21 | 18 1 | 0 24 | 7 4 | 14 12 | 9 0 | 9 11 | 3 39 | 8 46 | 2 9 |
| S 28 | 21 16 | 12 32 | 4 44 | 25 58 | 2 40 | 11 43 | 1 47 | 19 9 | 0 8 | 18 55 | 1 11 | 14 58 | 2 10 | 17 58 | 0 21 | 18 1 | 0 24 | 7 4 | 14 12 | 9 4 | 9 12 | 3 41 | 8 49 | 2 8 |
| M29 | 21 26 | 15 13 | 4 58 | 25 56 | 2 38 | 12 7 | 1 47 | 19 19 | 0 7 | 18 53 | 1 11 | 14 59 | 2 10 | 17 59 | 0 21 | 18 1 | 0 24 | 7 5 | 14 12 | 9 9 | 9 13 | 3 42 | 8 51 | 2 8 |
| T 30 | 21s36 | 17n16 | 4s58 | 25s54 | 2s35 | 12s31 | 1n47 | 19s29 | 0n 7 | 18n51 | 1s11 | 15s 1 | 2n10 | 18s 0 | 0n21 | 18s 0 | 0n24 | 7s 5 | 14n12 | 9n15 | 9n15 | 3n44 | 8s54 | 2s 8 |

Julian Day Number = 2811248.5, Delta T = 53m14s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°31'35, Lahiri = 37°38'36


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# ASTRODIENST EPHEMERIS for the year 2984
# geocentric

## DECEMBER 2984 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 4 43 35 | 9♐28'24 | 25♊15 | 1♑52 | 9♏34 | 28♏38 | 29°R43 | 18♏ 9 | 22♏42 | 7♒ 9 | 5♐23 | 5°R49 | 6♍ 0 | 17♈48 | 17♎50 | W 1 |
| T 2 | 4 47 32 | 10°28'47 | 8♋ 3 | 2°41 | 10°48 | 29°19 | 29♉35 | 18°16 | 22°46 | 7°11 | 5°26 | 5♍37 | 5°57 | 17°55 | 17°57 | T 2 |
| F 3 | 4 51 28 | 11°29'12 | 21° 3 | 3°25 | 12° 2 | 29°59 | 29°27 | 18°23 | 22°50 | 7°12 | 5°28 | 5°28 | 5°54 | 18° 2 | 18° 3 | F 3 |
| S 4 | 4 55 25 | 12°29'39 | 4♌12 | 4° 3 | 13°16 | 0♐41 | 29°19 | 18°30 | 22°53 | 7°13 | 5°31 | 5°23 | 5°50 | 18° 8 | 18° 9 | S 4 |
| S 5 | 4 59 21 | 13°30'08 | 17°34 | 4°36 | 14°31 | 1°22 | 29°12 | 18°37 | 22°57 | 7°15 | 5°33 | 5°20 | 5°47 | 18°15 | 18°16 | S 5 |
| M 6 | 5 3 18 | 14°30'38 | 1♍ 7 | 5° 1 | 15°45 | 2° 3 | 29° 4 | 18°44 | 23° 1 | 7°17 | 5°35 | 5°D19 | 5°44 | 18°22 | 18°22 | M 6 |
| T 7 | 5 7 15 | 15°31'10 | 14°54 | 5°18 | 16°59 | 2°44 | 28°56 | 18°51 | 23° 4 | 7°18 | 5°38 | 5°R19 | 5°41 | 18°29 | 18°28 | T 7 |
| W 8 | 5 11 11 | 16°31'44 | 28°55 | 5°R27 | 18°13 | 3°25 | 28°49 | 18°58 | 23° 8 | 7°20 | 5°40 | 5°18 | 5°38 | 18°35 | 18°34 | W 8 |
| T 9 | 5 15 8 | 17°32'19 | 13♎10 | 5°27 | 19°28 | 4° 6 | 28°42 | 19° 4 | 23°11 | 7°21 | 5°43 | 5°16 | 5°35 | 18°42 | 18°41 | T 9 |
| F 10 | 5 19 4 | 18°32'56 | 27°38 | 5°16 | 20°42 | 4°47 | 28°34 | 19°11 | 23°15 | 7°23 | 5°45 | 5°12 | 5°31 | 18°49 | 18°46 | F 10 |
| S 11 | 5 23 1 | 19°33'35 | 12♏14 | 4°56 | 21°56 | 5°29 | 28°27 | 19°18 | 23°18 | 7°25 | 5°47 | 5° 4 | 5°28 | 18°55 | 18°52 | S 11 |
| S 12 | 5 26 57 | 20°34'15 | 26°53 | 4°24 | 23°11 | 6°10 | 28°20 | 19°24 | 23°22 | 7°26 | 5°50 | 4°54 | 5°25 | 19° 2 | 18°58 | S 12 |
| M13 | 5 30 54 | 21°34'57 | 11♐28 | 3°42 | 24°25 | 6°51 | 28°13 | 19°31 | 23°25 | 7°28 | 5°52 | 4°43 | 5°22 | 19° 9 | 19° 4 | M13 |
| T 14 | 5 34 50 | 22°35'40 | 25°52 | 2°49 | 25°40 | 7°33 | 28° 7 | 19°37 | 23°29 | 7°30 | 5°54 | 4°31 | 5°19 | 19°15 | 19°10 | T 14 |
| W15 | 5 38 47 | 23°36'25 | 9♑56 | 1°46 | 26°54 | 8°14 | 28° 0 | 19°44 | 23°32 | 7°31 | 5°57 | 4°20 | 5°15 | 19°22 | 19°15 | W15 |
| T 16 | 5 42 44 | 24°37'10 | 23°38 | 0°35 | 28° 9 | 8°56 | 27°53 | 19°50 | 23°35 | 7°33 | 5°59 | 4°12 | 5°12 | 19°29 | 19°21 | T 16 |
| F 17 | 5 46 40 | 25°37'57 | 6♒54 | 29♐17 | 29°24 | 9°37 | 27°47 | 19°57 | 23°39 | 7°35 | 6° 1 | 4° 6 | 5° 9 | 19°35 | 19°26 | F 17 |
| S 18 | 5 50 37 | 26°38'45 | 19°46 | 27°56 | 0♐38 | 10°19 | 27°41 | 20° 3 | 23°42 | 7°37 | 6° 4 | 4° 3 | 5° 6 | 19°42 | 19°31 | S 18 |
| S 19 | 5 54 33 | 27°39'33 | 2♓16 | 26°33 | 1°53 | 11° 1 | 27°35 | 20° 9 | 23°45 | 7°39 | 6° 6 | 4°D 2 | 5° 3 | 19°49 | 19°37 | S 19 |
| M20 | 5 58 30 | 28°40'22 | 14°28 | 25°11 | 3° 8 | 11°42 | 27°29 | 20°16 | 23°49 | 7°40 | 6° 8 | 4° 2 | 5° 0 | 19°55 | 19°42 | M20 |
| T 21 | 6 2 26 | 29°41'12 | 26°27 | 23°54 | 4°22 | 12°24 | 27°23 | 20°22 | 23°52 | 7°42 | 6°10 | 4°R 3 | 4°56 | 20° 2 | 19°47 | T 21 |
| W22 | 6 6 23 | 0♑42'03 | 8♈19 | 22°43 | 5°37 | 13° 6 | 27°17 | 20°28 | 23°55 | 7°44 | 6°13 | 4° 3 | 4°53 | 20° 9 | 19°52 | W22 |
| T 23 | 6 10 19 | 1°42'54 | 20° 8 | 21°41 | 6°52 | 13°47 | 27°12 | 20°34 | 23°58 | 7°46 | 6°15 | 4° 0 | 4°50 | 20°15 | 19°56 | T 23 |
| F 24 | 6 14 16 | 2°43'46 | 2♉ 0 | 20°49 | 8° 6 | 14°29 | 27° 7 | 20°40 | 24° 1 | 7°48 | 6°17 | 3°56 | 4°47 | 20°22 | 20° 1 | F 24 |
| S 25 | 6 18 13 | 3°44'39 | 14° 0 | 20° 8 | 9°21 | 15°11 | 27° 2 | 20°46 | 24° 5 | 7°50 | 6°19 | 3°49 | 4°44 | 20°29 | 20° 6 | S 25 |
| S 26 | 6 22 9 | 4°45'33 | 26°11 | 19°38 | 10°36 | 15°53 | 26°57 | 20°52 | 24° 8 | 7°52 | 6°22 | 3°40 | 4°41 | 20°35 | 20°10 | S 26 |
| M27 | 6 26 6 | 5°46'28 | 8♊35 | 19°19 | 11°51 | 16°35 | 26°52 | 20°58 | 24°11 | 7°54 | 6°24 | 3°30 | 4°37 | 20°42 | 20°15 | M27 |
| T 28 | 6 30 2 | 6°47'23 | 21°15 | 19°D12 | 13° 6 | 17°17 | 26°47 | 21° 4 | 24°14 | 7°56 | 6°26 | 3°19 | 4°34 | 20°49 | 20°19 | T 28 |
| W29 | 6 33 59 | 7°48'19 | 4♋10 | 19°14 | 14°21 | 17°59 | 26°43 | 21°10 | 24°17 | 7°58 | 6°28 | 3° 9 | 4°31 | 20°56 | 20°23 | W29 |
| T 30 | 6 37 55 | 8°49'15 | 17°19 | 19°26 | 15°36 | 18°41 | 26°39 | 21°15 | 24°20 | 8° 0 | 6°30 | 3° 0 | 4°28 | 21° 2 | 20°27 | T 30 |
| F 31 | 6 41 52 | 9♑50'13 | 0♌42 | 19♐47 | 16♐50 | 19♐23 | 26♉35 | 21♏21 | 24♏23 | 8♒ 2 | 6♐32 | 2♍53 | 4♍25 | 21♈ 9 | 20♎32 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 21s45 | 18n31 | 4s43 | 25s50 | 2s32 | 12s55 | 1n46 | 19s39 | 0n 6 | 18n50 | 1s10 | 15s 3 | 2n10 | 18s 1 | 0n21 | 18s 0 | 0n24 | 7s 6 | 14n12 | 9n20 | 9n16 | 3n46 | 8s56 | 2s 8 |
| T 2 | 21 54 | 18 51 | 4 14 | 25 45 | 2 28 | 13 18 | 1 46 | 19 48 | 0 6 | 18 48 | 1 10 | 15 5 | 2 11 | 18 2 | 0 21 | 18 0 | 0 24 | 7 6 | 14 12 | 9 24 | 9 17 | 3 48 | 8 58 | 2 8 |
| F 3 | 22 2 | 18 12 | 3 31 | 25 39 | 2 23 | 13 41 | 1 45 | 19 57 | 0 5 | 18 47 | 1 10 | 15 7 | 2 11 | 18 3 | 0 21 | 17 59 | 0 24 | 7 6 | 14 12 | 9 27 | 9 18 | 3 50 | 9 1 | 2 8 |
| S 4 | 22 10 | 16 34 | 2 36 | 25 31 | 2 17 | 14 4 | 1 45 | 20 6 | 0 5 | 18 45 | 1 10 | 15 9 | 2 11 | 18 4 | 0 21 | 17 59 | 0 24 | 7 7 | 14 12 | 9 29 | 9 19 | 3 52 | 9 3 | 2 8 |
| S 5 | 22 18 | 14 1 | 1 32 | 25 23 | 2 9 | 14 27 | 1 44 | 20 15 | 0 4 | 18 44 | 1 10 | 15 10 | 2 11 | 18 5 | 0 21 | 17 59 | 0 24 | 7 7 | 14 12 | 9 30 | 9 20 | 3 54 | 9 5 | 2 8 |
| M 6 | 22 25 | 10 40 | 0 22 | 25 13 | 2 1 | 14 49 | 1 43 | 20 24 | 0 3 | 18 42 | 1 10 | 15 12 | 2 11 | 18 5 | 0 21 | 17 58 | 0 24 | 7 8 | 14 12 | 9 31 | 9 22 | 3 56 | 9 8 | 2 7 |
| T 7 | 22 32 | 6 42 | 0n51 | 25 3 | 1 51 | 15 11 | 1 43 | 20 33 | 0 3 | 18 41 | 1 9 | 15 14 | 2 11 | 18 6 | 0 21 | 17 58 | 0 24 | 7 8 | 14 12 | 9 31 | 9 23 | 3 58 | 9 10 | 2 7 |
| W 8 | 22 38 | 2 17 | 2 2 | 24 51 | 1 39 | 15 32 | 1 42 | 20 41 | 0 2 | 18 40 | 1 9 | 15 16 | 2 11 | 18 7 | 0 21 | 17 57 | 0 24 | 7 8 | 14 12 | 9 31 | 9 24 | 4 0 | 9 12 | 2 7 |
| T 9 | 22 44 | 2s19 | 3 6 | 24 39 | 1 27 | 15 53 | 1 41 | 20 49 | 0 2 | 18 38 | 1 9 | 15 18 | 2 11 | 18 8 | 0 21 | 17 57 | 0 24 | 7 9 | 14 12 | 9 32 | 9 25 | 4 1 | 9 14 | 2 7 |
| F 10 | 22 49 | 6 50 | 4 0 | 24 25 | 1 13 | 16 14 | 1 40 | 20 58 | 0 1 | 18 37 | 1 9 | 15 19 | 2 11 | 18 9 | 0 21 | 17 57 | 0 24 | 7 9 | 14 12 | 9 33 | 9 26 | 4 3 | 9 17 | 2 7 |
| S 11 | 22 54 | 11 0 | 4 38 | 24 10 | 0 57 | 16 34 | 1 38 | 21 6 | 0 1 | 18 35 | 1 9 | 15 21 | 2 11 | 18 10 | 0 21 | 17 56 | 0 24 | 7 9 | 14 12 | 9 36 | 9 27 | 4 5 | 9 19 | 2 7 |
| S 12 | 22 59 | 14 31 | 4 58 | 23 54 | 0 40 | 16 54 | 1 37 | 21 13 | 0s 0 | 18 34 | 1 8 | 15 23 | 2 11 | 18 11 | 0 21 | 17 56 | 0 24 | 7 10 | 14 12 | 9 40 | 9 28 | 4 7 | 9 21 | 2 7 |
| M13 | 23 3 | 17 6 | 4 59 | 23 37 | 0 22 | 17 13 | 1 36 | 21 21 | 0 1 | 18 33 | 1 8 | 15 24 | 2 11 | 18 12 | 0 21 | 17 55 | 0 24 | 7 10 | 14 12 | 9 44 | 9 30 | 4 9 | 9 23 | 2 7 |
| T 14 | 23 6 | 18 34 | 4 41 | 23 19 | 0 3 | 17 32 | 1 35 | 21 28 | 0 1 | 18 32 | 1 8 | 15 26 | 2 12 | 18 12 | 0 21 | 17 55 | 0 24 | 7 10 | 14 12 | 9 48 | 9 31 | 4 11 | 9 25 | 2 7 |
| W15 | 23 9 | 18 51 | 4 6 | 23 1 | 0n17 | 17 51 | 1 33 | 21 35 | 0 2 | 18 30 | 1 8 | 15 28 | 2 12 | 18 13 | 0 21 | 17 55 | 0 24 | 7 11 | 14 12 | 9 52 | 9 32 | 4 13 | 9 27 | 2 6 |
| T 16 | 23 12 | 18 1 | 3 17 | 22 41 | 0 38 | 18 9 | 1 32 | 21 43 | 0 2 | 18 29 | 1 8 | 15 29 | 2 12 | 18 14 | 0 21 | 17 54 | 0 24 | 7 11 | 14 12 | 9 55 | 9 33 | 4 15 | 9 29 | 2 6 |
| F 17 | 23 14 | 16 12 | 2 19 | 22 21 | 0 58 | 18 26 | 1 30 | 21 49 | 0 3 | 18 28 | 1 7 | 15 31 | 2 12 | 18 15 | 0 21 | 17 54 | 0 24 | 7 11 | 14 13 | 9 57 | 9 34 | 4 17 | 9 31 | 2 6 |
| S 18 | 23 16 | 13 37 | 1 15 | 22 0 | 1 17 | 18 43 | 1 29 | 21 56 | 0 4 | 18 27 | 1 7 | 15 32 | 2 12 | 18 16 | 0 21 | 17 53 | 0 24 | 7 11 | 14 13 | 9 58 | 9 35 | 4 19 | 9 33 | 2 6 |
| S 19 | 23 17 | 10 28 | 0 9 | 21 40 | 1 36 | 19 0 | 1 27 | 22 3 | 0 4 | 18 26 | 1 7 | 15 34 | 2 12 | 18 17 | 0 21 | 17 53 | 0 23 | 7 12 | 14 13 | 9 59 | 9 37 | 4 21 | 9 35 | 2 6 |
| M20 | 23 18 | 6 56 | 0s55 | 21 21 | 1 53 | 19 16 | 1 25 | 22 9 | 0 5 | 18 24 | 1 7 | 15 35 | 2 12 | 18 17 | 0 21 | 17 52 | 0 23 | 7 12 | 14 13 | 9 59 | 9 38 | 4 22 | 9 36 | 2 6 |
| T 21 | 23 19 | 3 11 | 1 57 | 21 2 | 2 8 | 19 32 | 1 24 | 22 15 | 0 5 | 18 23 | 1 6 | 15 37 | 2 12 | 18 18 | 0 21 | 17 52 | 0 23 | 7 12 | 14 13 | 9 58 | 9 39 | 4 24 | 9 38 | 2 6 |
| W22 | 23 18 | 0n38 | 2 52 | 20 46 | 2 21 | 19 47 | 1 22 | 22 21 | 0 6 | 18 22 | 1 6 | 15 38 | 2 12 | 18 19 | 0 21 | 17 51 | 0 23 | 7 12 | 14 13 | 9 58 | 9 40 | 4 26 | 9 40 | 2 6 |
| T 23 | 23 18 | 4 25 | 3 40 | 20 32 | 2 31 | 20 1 | 1 20 | 22 26 | 0 7 | 18 21 | 1 6 | 15 40 | 2 12 | 18 20 | 0 21 | 17 51 | 0 23 | 7 12 | 14 13 | 9 59 | 9 41 | 4 28 | 9 42 | 2 6 |
| F 24 | 23 17 | 8 3 | 4 19 | 20 20 | 2 40 | 20 15 | 1 18 | 22 32 | 0 7 | 18 20 | 1 6 | 15 41 | 2 13 | 18 21 | 0 21 | 17 51 | 0 23 | 7 13 | 14 13 | 10 1 | 9 42 | 4 30 | 9 43 | 2 6 |
| S 25 | 23 15 | 11 23 | 4 47 | 20 12 | 2 45 | 20 29 | 1 16 | 22 37 | 0 8 | 18 19 | 1 6 | 15 43 | 2 13 | 18 21 | 0 21 | 17 50 | 0 23 | 7 13 | 14 14 | 10 3 | 9 44 | 4 32 | 9 45 | 2 5 |
| S 26 | 23 13 | 14 18 | 5 2 | 20 6 | 2 49 | 20 41 | 1 14 | 22 42 | 0 8 | 18 19 | 1 5 | 15 44 | 2 13 | 18 22 | 0 21 | 17 50 | 0 23 | 7 13 | 14 14 | 10 6 | 9 45 | 4 34 | 9 47 | 2 5 |
| M27 | 23 11 | 16 37 | 5 3 | 20 2 | 2 51 | 20 54 | 1 12 | 22 47 | 0 9 | 18 18 | 1 5 | 15 46 | 2 13 | 18 23 | 0 21 | 17 49 | 0 23 | 7 13 | 14 14 | 10 10 | 9 46 | 4 36 | 9 48 | 2 5 |
| T 28 | 23 8 | 18 12 | 4 50 | 20 2 | 2 51 | 21 5 | 1 10 | 22 52 | 0 10 | 18 17 | 1 5 | 15 47 | 2 13 | 18 24 | 0 21 | 17 49 | 0 23 | 7 13 | 14 14 | 10 14 | 9 47 | 4 38 | 9 50 | 2 5 |
| W29 | 23 5 | 18 53 | 4 22 | 20 3 | 2 50 | 21 16 | 1 8 | 22 56 | 0 10 | 18 16 | 1 4 | 15 48 | 2 13 | 18 24 | 0 21 | 17 48 | 0 23 | 7 14 | 14 14 | 10 18 | 9 48 | 4 40 | 9 51 | 2 5 |
| T 30 | 23 1 | 18 34 | 3 39 | 20 7 | 2 47 | 21 27 | 1 6 | 23 1 | 0 11 | 18 15 | 1 4 | 15 50 | 2 13 | 18 25 | 0 21 | 17 48 | 0 23 | 7 14 | 14 14 | 10 21 | 9 49 | 4 42 | 9 53 | 2 5 |
| F 31 | 22s57 | 17n14 | 2s44 | 20s13 | 2n43 | 21s36 | 1n 4 | 23s 5 | 0s12 | 18n15 | 1s 4 | 15s51 | 2n14 | 18s26 | 0n21 | 17s47 | 0n23 | 7s14 | 14n15 | 10n23 | 9n50 | 4n43 | 9s54 | 2s 5 |

Julian Day Number = 2811278.5, Delta T = 53m15s
Ecliptic obliquity = 23°18'33, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°31'40, Lahiri = 37°38'40


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# ASTRODIENST EPHEMERIS for the year 2985
# geocentric

## JANUARY 2985 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 45 49 | 10♑51'11 | 14♌15 | 20♐16 | 18♐ 5 | 20♐ 5 | 26°R31 | 21♏27 | 24♏26 | 8♒ 4 | 6♐34 | 2°R49 | 4♍21 | 21♈16 | 20♎35 | S 1 |
| S 2 | 6 49 45 | 11°52'10 | 27°58 | 20°52 | 19°20 | 20°47 | 26♉27 | 21°32 | 24°29 | 8° 6 | 6°36 | 2°D47 | 4°18 | 21°22 | 20°39 | S 2 |
| M 3 | 6 53 42 | 12°53'10 | 11♍48 | 21°34 | 20°35 | 21°29 | 26°24 | 21°38 | 24°31 | 8° 8 | 6°38 | 2♍47 | 4°15 | 21°29 | 20°43 | M 3 |
| T 4 | 6 57 38 | 13°54'11 | 25°45 | 22°21 | 21°50 | 22°12 | 26°21 | 21°43 | 24°34 | 8°10 | 6°41 | 2°49 | 4°12 | 21°36 | 20°47 | T 4 |
| W 5 | 7 1 35 | 14°55'12 | 9♎48 | 23°14 | 23° 5 | 22°54 | 26°17 | 21°48 | 24°37 | 8°12 | 6°43 | 2°R50 | 4° 9 | 21°42 | 20°50 | W 5 |
| T 6 | 7 5 31 | 15°56'15 | 23°56 | 24°11 | 24°20 | 23°36 | 26°15 | 21°54 | 24°40 | 8°15 | 6°45 | 2°49 | 4° 6 | 21°49 | 20°54 | T 6 |
| F 7 | 7 9 28 | 16°57'18 | 8♏ 7 | 25°12 | 25°35 | 24°19 | 26°12 | 21°59 | 24°42 | 8°17 | 6°47 | 2°47 | 4° 2 | 21°56 | 20°57 | F 7 |
| S 8 | 7 13 24 | 17°58'22 | 22°20 | 26°17 | 26°51 | 25° 1 | 26° 9 | 22° 4 | 24°45 | 8°19 | 6°48 | 2°43 | 3°59 | 22° 2 | 21° 0 | S 8 |
| S 9 | 7 17 21 | 18°59'27 | 6♐31 | 27°24 | 28° 6 | 25°44 | 26° 7 | 22° 9 | 24°48 | 8°21 | 6°50 | 2°37 | 3°56 | 22° 9 | 21° 3 | S 9 |
| M10 | 7 21 18 | 20° 0'32 | 20°37 | 28°34 | 29°21 | 26°26 | 26° 5 | 22°14 | 24°50 | 8°23 | 6°52 | 2°30 | 3°53 | 22°16 | 21° 6 | M10 |
| T 11 | 7 25 14 | 21° 1'38 | 4♑33 | 29°47 | 0♑36 | 27° 9 | 26° 3 | 22°19 | 24°53 | 8°25 | 6°54 | 2°23 | 3°50 | 22°22 | 21° 9 | T 11 |
| W12 | 7 29 11 | 22° 2'45 | 18°15 | 1♑ 1 | 1°51 | 27°51 | 26° 2 | 22°24 | 24°55 | 8°28 | 6°56 | 2°16 | 3°47 | 22°29 | 21°12 | W12 |
| T 13 | 7 33 7 | 23° 3'51 | 1♒40 | 2°17 | 3° 6 | 28°34 | 26° 0 | 22°29 | 24°58 | 8°30 | 6°58 | 2°11 | 3°43 | 22°36 | 21°14 | T 13 |
| F 14 | 7 37 4 | 24° 4'58 | 14°45 | 3°35 | 4°21 | 29°16 | 25°59 | 22°33 | 25° 0 | 8°32 | 7° 0 | 2° 8 | 3°40 | 22°43 | 21°17 | F 14 |
| S 15 | 7 41 0 | 25° 6'05 | 27°32 | 4°55 | 5°36 | 29°59 | 25°58 | 22°38 | 25° 2 | 8°34 | 7° 2 | 2°D 6 | 3°37 | 22°49 | 21°19 | S 15 |
| S 16 | 7 44 57 | 26° 7'12 | 10♓ 0 | 6°15 | 6°52 | 0♑42 | 25°57 | 22°42 | 25° 5 | 8°37 | 7° 3 | 2° 6 | 3°34 | 22°56 | 21°21 | S 16 |
| M17 | 7 48 53 | 27° 8'19 | 22°12 | 7°37 | 8° 7 | 1°25 | 25°57 | 22°47 | 25° 7 | 8°39 | 7° 5 | 2° 8 | 3°31 | 23° 3 | 21°24 | M17 |
| T 18 | 7 52 50 | 28° 9'25 | 4♈12 | 9° 0 | 9°22 | 2° 8 | 25°56 | 22°51 | 25° 9 | 8°41 | 7° 7 | 2°10 | 3°27 | 23° 9 | 21°26 | T 18 |
| W19 | 7 56 47 | 29°10'32 | 16° 5 | 10°23 | 10°37 | 2°50 | 25°D56 | 22°56 | 25°11 | 8°43 | 7° 8 | 2°11 | 3°24 | 23°16 | 21°28 | W19 |
| T 20 | 8 0 43 | 0♒11'38 | 27°55 | 11°48 | 11°52 | 3°33 | 25°56 | 23° 0 | 25°13 | 8°45 | 7°10 | 2°R12 | 3°21 | 23°23 | 21°29 | T 20 |
| F 21 | 8 4 40 | 1°12'44 | 9♉48 | 13°13 | 13° 7 | 4°16 | 25°56 | 23° 4 | 25°15 | 8°48 | 7°12 | 2°12 | 3°18 | 23°29 | 21°31 | F 21 |
| S 22 | 8 8 36 | 2°13'49 | 21°48 | 14°39 | 14°23 | 4°59 | 25°57 | 23° 8 | 25°17 | 8°50 | 7°13 | 2°10 | 3°15 | 23°36 | 21°33 | S 22 |
| S 23 | 8 12 33 | 3°14'55 | 4♊ 0 | 16° 6 | 15°38 | 5°42 | 25°57 | 23°12 | 25°19 | 8°52 | 7°15 | 2° 7 | 3°12 | 23°43 | 21°34 | S 23 |
| M24 | 8 16 29 | 4°16'00 | 16°28 | 17°34 | 16°53 | 6°25 | 25°58 | 23°16 | 25°21 | 8°55 | 7°16 | 2° 3 | 3° 8 | 23°49 | 21°35 | M24 |
| T 25 | 8 20 26 | 5°17'05 | 29°15 | 19° 2 | 18° 8 | 7° 8 | 25°59 | 23°19 | 25°23 | 8°57 | 7°18 | 1°58 | 3° 5 | 23°56 | 21°37 | T 25 |
| W26 | 8 24 22 | 6°18'09 | 12♋21 | 20°30 | 19°23 | 7°51 | 26° 1 | 23°23 | 25°25 | 8°59 | 7°19 | 1°54 | 3° 2 | 24° 3 | 21°38 | W26 |
| T 27 | 8 28 19 | 7°19'13 | 25°48 | 22° 0 | 20°39 | 8°35 | 26° 2 | 23°27 | 25°27 | 9° 1 | 7°21 | 1°50 | 2°59 | 24°10 | 21°39 | T 27 |
| F 28 | 8 32 16 | 8°20'16 | 9♌33 | 23°29 | 21°54 | 9°18 | 26° 4 | 23°30 | 25°28 | 9° 4 | 7°22 | 1°47 | 2°56 | 24°16 | 21°40 | F 28 |
| S 29 | 8 36 12 | 9°21'20 | 23°32 | 25° 0 | 23° 9 | 10° 1 | 26° 6 | 23°34 | 25°30 | 9° 6 | 7°24 | 1°46 | 2°53 | 24°23 | 21°40 | S 29 |
| S 30 | 8 40 9 | 10°22'22 | 7♍44 | 26°31 | 24°24 | 10°44 | 26° 8 | 23°37 | 25°32 | 9° 8 | 7°25 | 1°D46 | 2°49 | 24°30 | 21°41 | S 30 |
| M31 | 8 44 5 | 11♒23'25 | 22♍ 2 | 28♑ 2 | 25♑39 | 11♑28 | 26♉10 | 23♏40 | 25♏33 | 9♒10 | 7♐26 | 1♍47 | 2♍46 | 24♈36 | 21♎41 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s52 | 14n54 | 1s38 | 20s20 | 2n38 | 21s45 | 1n 2 | 23s 9 | 0s12 | 18n14 | 1s 4 | 15s52 | 2n14 | 18s26 | 0n21 | 17s47 | 0n23 | 7s14 | 14n15 | 10n25 | 9n52 | 4n45 | 9s56 | 2s 5 |
| S 2 | 22 47 | 11 43 | 0 26 | 20 28 | 2 32 | 21 54 | 0 59 | 23 12 | 0 13 | 18 14 | 1 3 | 15 54 | 2 14 | 18 27 | 0 21 | 17 46 | 0 23 | 7 14 | 14 15 | 10 25 | 9 53 | 4 47 | 9 57 | 2 5 |
| M 3 | 22 41 | 7 51 | 0n48 | 20 37 | 2 26 | 22 2 | 0 57 | 23 16 | 0 13 | 18 13 | 1 3 | 15 55 | 2 14 | 18 28 | 0 21 | 17 46 | 0 23 | 7 14 | 14 15 | 10 25 | 9 54 | 4 49 | 9 58 | 2 5 |
| T 4 | 22 35 | 3 32 | 2 1 | 20 47 | 2 19 | 22 9 | 0 55 | 23 19 | 0 14 | 18 13 | 1 3 | 15 56 | 2 14 | 18 28 | 0 21 | 17 45 | 0 23 | 7 14 | 14 16 | 10 25 | 9 55 | 4 51 | 10 0 | 2 4 |
| W 5 | 22 29 | 1s 0 | 3 6 | 20 57 | 2 11 | 22 16 | 0 52 | 23 22 | 0 15 | 18 12 | 1 3 | 15 57 | 2 14 | 18 29 | 0 21 | 17 44 | 0 23 | 7 14 | 14 16 | 10 25 | 9 56 | 4 53 | 10 1 | 2 4 |
| T 6 | 22 22 | 5 30 | 4 1 | 21 8 | 2 3 | 22 21 | 0 50 | 23 25 | 0 15 | 18 12 | 1 2 | 15 58 | 2 14 | 18 30 | 0 21 | 17 44 | 0 23 | 7 14 | 14 16 | 10 25 | 9 57 | 4 55 | 10 2 | 2 4 |
| F 7 | 22 14 | 9 42 | 4 41 | 21 18 | 1 55 | 22 27 | 0 47 | 23 27 | 0 16 | 18 11 | 1 2 | 16 0 | 2 15 | 18 30 | 0 21 | 17 43 | 0 23 | 7 14 | 14 16 | 10 25 | 9 58 | 4 57 | 10 3 | 2 4 |
| S 8 | 22 7 | 13 21 | 5 4 | 21 28 | 1 47 | 22 31 | 0 45 | 23 30 | 0 17 | 18 11 | 1 2 | 16 1 | 2 15 | 18 31 | 0 21 | 17 43 | 0 23 | 7 14 | 14 16 | 10 27 | 10 0 | 4 59 | 10 4 | 2 4 |
| S 9 | 21 58 | 16 13 | 5 8 | 21 38 | 1 39 | 22 35 | 0 43 | 23 32 | 0 17 | 18 11 | 1 2 | 16 2 | 2 15 | 18 32 | 0 21 | 17 42 | 0 23 | 7 14 | 14 17 | 10 29 | 10 1 | 5 1 | 10 5 | 2 4 |
| M10 | 21 50 | 18 6 | 4 54 | 21 48 | 1 30 | 22 38 | 0 40 | 23 34 | 0 18 | 18 11 | 1 1 | 16 3 | 2 15 | 18 32 | 0 21 | 17 42 | 0 23 | 7 14 | 14 17 | 10 32 | 10 2 | 5 3 | 10 6 | 2 4 |
| T 11 | 21 40 | 18 52 | 4 22 | 21 57 | 1 22 | 22 41 | 0 38 | 23 35 | 0 18 | 18 10 | 1 1 | 16 4 | 2 15 | 18 33 | 0 21 | 17 41 | 0 23 | 7 15 | 14 17 | 10 34 | 10 3 | 5 4 | 10 7 | 2 4 |
| W12 | 21 31 | 18 31 | 3 35 | 22 5 | 1 13 | 22 43 | 0 35 | 23 37 | 0 19 | 18 10 | 1 1 | 16 5 | 2 15 | 18 33 | 0 21 | 17 41 | 0 23 | 7 15 | 14 18 | 10 37 | 10 4 | 5 6 | 10 8 | 2 4 |
| T 13 | 21 21 | 17 7 | 2 38 | 22 13 | 1 4 | 22 44 | 0 33 | 23 38 | 0 20 | 18 10 | 1 0 | 16 6 | 2 16 | 18 34 | 0 21 | 17 40 | 0 23 | 7 15 | 14 18 | 10 38 | 10 5 | 5 8 | 10 9 | 2 4 |
| F 14 | 21 11 | 14 50 | 1 33 | 22 20 | 0 56 | 22 44 | 0 30 | 23 39 | 0 20 | 18 10 | 1 0 | 16 7 | 2 16 | 18 35 | 0 21 | 17 40 | 0 23 | 7 15 | 14 18 | 10 40 | 10 6 | 5 10 | 10 10 | 2 3 |
| S 15 | 21 0 | 11 53 | 0 25 | 22 26 | 0 47 | 22 44 | 0 27 | 23 40 | 0 21 | 18 10 | 1 0 | 16 8 | 2 16 | 18 35 | 0 21 | 17 39 | 0 23 | 7 14 | 14 18 | 10 40 | 10 8 | 5 12 | 10 11 | 2 3 |
| S 16 | 20 49 | 8 27 | 0s43 | 22 31 | 0 39 | 22 43 | 0 25 | 23 40 | 0 22 | 18 10 | 1 0 | 16 9 | 2 16 | 18 36 | 0 21 | 17 38 | 0 23 | 7 14 | 14 19 | 10 40 | 10 9 | 5 14 | 10 12 | 2 3 |
| M17 | 20 37 | 4 44 | 1 48 | 22 35 | 0 31 | 22 41 | 0 22 | 23 40 | 0 22 | 18 11 | 0 59 | 16 10 | 2 16 | 18 36 | 0 21 | 17 38 | 0 23 | 7 14 | 14 19 | 10 40 | 10 10 | 5 16 | 10 12 | 2 3 |
| T 18 | 20 25 | 0 53 | 2 46 | 22 38 | 0 22 | 22 39 | 0 20 | 23 41 | 0 23 | 18 11 | 0 59 | 16 11 | 2 17 | 18 37 | 0 21 | 17 37 | 0 23 | 7 14 | 14 19 | 10 39 | 10 11 | 5 18 | 10 13 | 2 3 |
| W19 | 20 13 | 2n57 | 3 38 | 22 40 | 0 14 | 22 36 | 0 17 | 23 40 | 0 24 | 18 11 | 0 59 | 16 12 | 2 17 | 18 37 | 0 21 | 17 37 | 0 23 | 7 14 | 14 20 | 10 38 | 10 12 | 5 20 | 10 14 | 2 3 |
| T 20 | 20 0 | 6 38 | 4 19 | 22 41 | 0 6 | 22 32 | 0 15 | 23 40 | 0 24 | 18 11 | 0 58 | 16 13 | 2 17 | 18 38 | 0 21 | 17 36 | 0 23 | 7 14 | 14 20 | 10 38 | 10 13 | 5 22 | 10 14 | 2 3 |
| F 21 | 19 47 | 10 5 | 4 50 | 22 41 | 0s 2 | 22 28 | 0 12 | 23 39 | 0 25 | 18 12 | 0 58 | 16 13 | 2 17 | 18 38 | 0 21 | 17 36 | 0 23 | 7 14 | 14 20 | 10 38 | 10 14 | 5 24 | 10 15 | 2 3 |
| S 22 | 19 33 | 13 9 | 5 8 | 22 40 | 0 9 | 22 23 | 0 9 | 23 38 | 0 26 | 18 12 | 0 58 | 16 14 | 2 17 | 18 39 | 0 21 | 17 35 | 0 23 | 7 14 | 14 21 | 10 39 | 10 16 | 5 25 | 10 15 | 2 3 |
| S 23 | 19 19 | 15 42 | 5 13 | 22 37 | 0 17 | 22 17 | 0 7 | 23 37 | 0 26 | 18 12 | 0 58 | 16 15 | 2 18 | 18 39 | 0 21 | 17 34 | 0 23 | 7 14 | 14 21 | 10 40 | 10 17 | 5 27 | 10 16 | 2 3 |
| M24 | 19 5 | 17 36 | 5 3 | 22 34 | 0 24 | 22 11 | 0 4 | 23 36 | 0 27 | 18 13 | 0 57 | 16 16 | 2 18 | 18 40 | 0 21 | 17 34 | 0 23 | 7 14 | 14 21 | 10 41 | 10 18 | 5 29 | 10 16 | 2 2 |
| T 25 | 18 51 | 18 40 | 4 39 | 22 29 | 0 31 | 22 4 | 0 2 | 23 35 | 0 28 | 18 13 | 0 57 | 16 17 | 2 18 | 18 40 | 0 21 | 17 33 | 0 23 | 7 14 | 14 22 | 10 43 | 10 19 | 5 31 | 10 16 | 2 2 |
| W26 | 18 36 | 18 46 | 3 59 | 22 23 | 0 38 | 21 56 | 0s 1 | 23 33 | 0 28 | 18 14 | 0 57 | 16 17 | 2 18 | 18 40 | 0 21 | 17 33 | 0 23 | 7 14 | 14 22 | 10 45 | 10 20 | 5 33 | 10 17 | 2 2 |
| T 27 | 18 20 | 17 50 | 3 5 | 22 16 | 0 45 | 21 47 | 0 3 | 23 31 | 0 29 | 18 15 | 0 56 | 16 18 | 2 18 | 18 41 | 0 21 | 17 32 | 0 23 | 7 13 | 14 22 | 10 46 | 10 21 | 5 35 | 10 17 | 2 2 |
| F 28 | 18 5 | 15 51 | 1 59 | 22 7 | 0 51 | 21 38 | 0 6 | 23 29 | 0 29 | 18 15 | 0 56 | 16 19 | 2 19 | 18 41 | 0 21 | 17 31 | 0 23 | 7 13 | 14 23 | 10 47 | 10 22 | 5 37 | 10 17 | 2 2 |
| S 29 | 17 49 | 12 53 | 0 45 | 21 58 | 0 58 | 21 29 | 0 9 | 23 26 | 0 30 | 18 16 | 0 56 | 16 19 | 2 19 | 18 42 | 0 21 | 17 31 | 0 23 | 7 13 | 14 23 | 10 47 | 10 24 | 5 39 | 10 17 | 2 2 |
| S 30 | 17 33 | 9 8 | 0n33 | 21 47 | 1 4 | 21 18 | 0 11 | 23 23 | 0 31 | 18 17 | 0 56 | 16 20 | 2 19 | 18 42 | 0 21 | 17 30 | 0 23 | 7 13 | 14 24 | 10 47 | 10 25 | 5 41 | 10 17 | 2 2 |
| M31 | 17s16 | 4n49 | 1n50 | 21s35 | 1s10 | 21s 7 | 0s14 | 23s20 | 0s31 | 18n18 | 0s55 | 16s20 | 2n19 | 18s42 | 0n21 | 17s30 | 0n23 | 7s13 | 14n24 | 10n47 | 10n26 | 5n43 | 10s17 | 2s 2 |

Julian Day Number = 2811309.5, Delta T = 53m15s
Ecliptic obliquity = 23°18'33, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°31'44, Lahiri = 37°38'44


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# ASTRODIENST EPHEMERIS for the year 2985
# geocentric

## FEBRUARY 2985 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 48 2 | 12♒24'28 | 6♎22 | 29♑34 | 26♑55 | 12♑11 | 26♉13 | 23♏43 | 25♏35 | 9♒13 | 7♐28 | 1♍48 | 2♍43 | 24♈43 | 21♎42 | T 1 |
| W 2 | 8 51 58 | 13°25'30 | 20°42 | 1♒ 7 | 28°10 | 12°54 | 26°15 | 23°46 | 25°36 | 9°15 | 7°29 | 1°49 | 2°40 | 24°50 | 21°42 | W 2 |
| T 3 | 8 55 55 | 14°26'32 | 4♏57 | 2°40 | 29°25 | 13°38 | 26°18 | 23°49 | 25°38 | 9°17 | 7°30 | 1°50 | 2°37 | 24°56 | 21°42 | T 3 |
| F 4 | 8 59 51 | 15°27'34 | 19° 6 | 4°13 | 0♒40 | 14°21 | 26°21 | 23°52 | 25°39 | 9°20 | 7°32 | 1°R51 | 2°33 | 25° 3 | 21°R42 | F 4 |
| S 5 | 9 3 48 | 16°28'35 | 3♐ 6 | 5°47 | 1°56 | 15° 5 | 26°25 | 23°55 | 25°40 | 9°22 | 7°33 | 1°50 | 2°30 | 25°10 | 21°42 | S 5 |
| S 6 | 9 7 45 | 17°29'37 | 16°57 | 7°22 | 3°11 | 15°48 | 26°28 | 23°58 | 25°42 | 9°24 | 7°34 | 1°49 | 2°27 | 25°16 | 21°42 | S 6 |
| M 7 | 9 11 41 | 18°30'38 | 0♑36 | 8°57 | 4°26 | 16°32 | 26°32 | 24° 0 | 25°43 | 9°26 | 7°35 | 1°47 | 2°24 | 25°23 | 21°42 | M 7 |
| T 8 | 9 15 38 | 19°31'39 | 14° 4 | 10°33 | 5°41 | 17°16 | 26°36 | 24° 3 | 25°44 | 9°29 | 7°36 | 1°45 | 2°21 | 25°30 | 21°41 | T 8 |
| W 9 | 9 19 34 | 20°32'39 | 27°18 | 12°10 | 6°57 | 17°59 | 26°40 | 24° 5 | 25°45 | 9°31 | 7°37 | 1°44 | 2°18 | 25°37 | 21°40 | W 9 |
| T 10 | 9 23 31 | 21°33'38 | 10♒19 | 13°47 | 8°12 | 18°43 | 26°44 | 24° 7 | 25°46 | 9°33 | 7°38 | 1°42 | 2°14 | 25°43 | 21°40 | T 10 |
| F 11 | 9 27 27 | 22°34'37 | 23° 5 | 15°24 | 9°27 | 19°27 | 26°48 | 24°10 | 25°47 | 9°35 | 7°39 | 1°42 | 2°11 | 25°50 | 21°39 | F 11 |
| S 12 | 9 31 24 | 23°35'35 | 5♓38 | 17° 3 | 10°43 | 20°10 | 26°53 | 24°12 | 25°48 | 9°38 | 7°40 | 1°D42 | 2° 8 | 25°57 | 21°38 | S 12 |
| S 13 | 9 35 20 | 24°36'31 | 17°58 | 18°42 | 11°58 | 20°54 | 26°58 | 24°14 | 25°49 | 9°40 | 7°41 | 1°42 | 2° 5 | 26° 3 | 21°37 | S 13 |
| M14 | 9 39 17 | 25°37'27 | 0♈ 6 | 20°22 | 13°13 | 21°38 | 27° 3 | 24°16 | 25°50 | 9°42 | 7°42 | 1°43 | 2° 2 | 26°10 | 21°36 | M14 |
| T 15 | 9 43 14 | 26°38'22 | 12° 5 | 22° 2 | 14°28 | 22°22 | 27° 8 | 24°17 | 25°51 | 9°44 | 7°43 | 1°43 | 1°59 | 26°17 | 21°35 | T 15 |
| W16 | 9 47 10 | 27°39'16 | 23°57 | 23°43 | 15°44 | 23° 6 | 27°13 | 24°19 | 25°51 | 9°46 | 7°44 | 1°44 | 1°55 | 26°23 | 21°33 | W16 |
| T 17 | 9 51 7 | 28°40'08 | 5♉48 | 25°25 | 16°59 | 23°50 | 27°19 | 24°21 | 25°52 | 9°49 | 7°44 | 1°44 | 1°52 | 26°30 | 21°32 | T 17 |
| F 18 | 9 55 3 | 29°41'00 | 17°40 | 27° 7 | 18°14 | 24°34 | 27°25 | 24°22 | 25°53 | 9°51 | 7°45 | 1°44 | 1°49 | 26°37 | 21°30 | F 18 |
| S 19 | 9 59 0 | 0♓41'50 | 29°39 | 28°51 | 19°29 | 25°18 | 27°30 | 24°23 | 25°53 | 9°53 | 7°46 | 1°R44 | 1°46 | 26°44 | 21°28 | S 19 |
| S 20 | 10 2 56 | 1°42'39 | 11♊48 | 0♓34 | 20°44 | 26° 2 | 27°36 | 24°25 | 25°54 | 9°55 | 7°46 | 1°D44 | 1°43 | 26°50 | 21°26 | S 20 |
| M21 | 10 6 53 | 2°43'26 | 24°13 | 2°19 | 22° 0 | 26°46 | 27°43 | 24°26 | 25°54 | 9°57 | 7°47 | 1°44 | 1°39 | 26°57 | 21°25 | M21 |
| T 22 | 10 10 49 | 3°44'12 | 6♋59 | 4° 5 | 23°15 | 27°30 | 27°49 | 24°27 | 25°54 | 9°59 | 7°48 | 1°45 | 1°36 | 27° 4 | 21°22 | T 22 |
| W23 | 10 14 46 | 4°44'57 | 20° 6 | 5°51 | 24°30 | 28°14 | 27°56 | 24°28 | 25°55 | 10° 1 | 7°48 | 1°45 | 1°33 | 27°10 | 21°20 | W23 |
| T 24 | 10 18 43 | 5°45'40 | 3♌39 | 7°38 | 25°45 | 28°58 | 28° 2 | 24°29 | 25°55 | 10° 3 | 7°49 | 1°45 | 1°30 | 27°17 | 21°18 | T 24 |
| F 25 | 10 22 39 | 6°46'22 | 17°35 | 9°25 | 27° 0 | 29°43 | 28° 9 | 24°29 | 25°55 | 10° 6 | 7°49 | 1°46 | 1°27 | 27°24 | 21°16 | F 25 |
| S 26 | 10 26 36 | 7°47'02 | 1♍54 | 11°13 | 28°16 | 0♒27 | 28°16 | 24°30 | 25°55 | 10° 8 | 7°50 | 1°R46 | 1°24 | 27°30 | 21°13 | S 26 |
| S 27 | 10 30 32 | 8°47'42 | 16°30 | 13° 2 | 29°31 | 1°11 | 28°23 | 24°30 | 25°55 | 10°10 | 7°50 | 1°46 | 1°20 | 27°37 | 21°11 | S 27 |
| M28 | 10 34 29 | 9♓48'19 | 1♎16 | 14♓52 | 0♓46 | 1♒55 | 28♉31 | 24♏31 | 25°R55 | 10♒12 | 7♐51 | 1♍45 | 1♍17 | 27♈44 | 21♎ 8 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 16s59 | 0n14 | 3n 0 | 21s21 | 1s15 | 20s55 | 0s16 | 23s17 | 0s32 | 18n18 | 0s55 | 16s21 | 2n19 | 18s43 | 0n21 | 17s29 | 0n23 | 7s13 | 14n24 | 10n47 | 10n27 | 5n44 | 10s17 | 2s | 2 |
| W 2 | 16 42 | 4s21 | 3 58 | 21 7 | 1 21 | 20 43 | 0 18 | 23 14 | 0 33 | 18 19 | 0 55 | 16 22 | 2 20 | 18 43 | 0 21 | 17 29 | 0 23 | 7 12 | 14 25 | 10 46 | 10 28 | 5 46 | 10 17 | 2 | 1 |
| T 3 | 16 25 | 8 40 | 4 42 | 20 51 | 1 26 | 20 30 | 0 21 | 23 10 | 0 33 | 18 20 | 0 55 | 16 22 | 2 20 | 18 43 | 0 21 | 17 28 | 0 23 | 7 12 | 14 25 | 10 46 | 10 29 | 5 48 | 10 17 | 2 | 1 |
| F 4 | 16 7 | 12 27 | 5 8 | 20 34 | 1 31 | 20 17 | 0 23 | 23 6 | 0 34 | 18 21 | 0 54 | 16 23 | 2 20 | 18 44 | 0 21 | 17 27 | 0 23 | 7 12 | 14 25 | 10 46 | 10 30 | 5 50 | 10 17 | 2 | 1 |
| S 5 | 15 49 | 15 29 | 5 16 | 20 16 | 1 35 | 20 2 | 0 26 | 23 2 | 0 35 | 18 22 | 0 54 | 16 23 | 2 20 | 18 44 | 0 21 | 17 27 | 0 23 | 7 12 | 14 26 | 10 46 | 10 32 | 5 52 | 10 17 | 2 | 1 |
| S 6 | 15 30 | 17 36 | 5 5 | 19 56 | 1 40 | 19 48 | 0 28 | 22 58 | 0 35 | 18 23 | 0 54 | 16 23 | 2 20 | 18 44 | 0 21 | 17 26 | 0 23 | 7 12 | 14 26 | 10 46 | 10 33 | 5 54 | 10 17 | 2 | 1 |
| M 7 | 15 12 | 18 41 | 4 37 | 19 35 | 1 44 | 19 32 | 0 30 | 22 53 | 0 36 | 18 24 | 0 53 | 16 24 | 2 21 | 18 45 | 0 21 | 17 26 | 0 23 | 7 11 | 14 27 | 10 47 | 10 34 | 5 56 | 10 17 | 2 | 1 |
| T 8 | 14 53 | 18 41 | 3 54 | 19 13 | 1 47 | 19 16 | 0 33 | 22 49 | 0 37 | 18 26 | 0 53 | 16 24 | 2 21 | 18 45 | 0 21 | 17 25 | 0 23 | 7 11 | 14 27 | 10 48 | 10 35 | 5 58 | 10 16 | 2 | 1 |
| W 9 | 14 34 | 17 39 | 2 59 | 18 50 | 1 51 | 19 0 | 0 35 | 22 44 | 0 37 | 18 27 | 0 53 | 16 25 | 2 21 | 18 45 | 0 21 | 17 24 | 0 23 | 7 11 | 14 27 | 10 48 | 10 36 | 6 0 | 10 16 | 2 | 0 |
| T 10 | 14 14 | 15 42 | 1 56 | 18 25 | 1 54 | 18 43 | 0 37 | 22 38 | 0 38 | 18 28 | 0 53 | 16 25 | 2 21 | 18 45 | 0 21 | 17 24 | 0 23 | 7 11 | 14 28 | 10 49 | 10 37 | 6 2 | 10 16 | 2 | 0 |
| F 11 | 13 55 | 13 0 | 0 48 | 17 59 | 1 57 | 18 25 | 0 39 | 22 33 | 0 39 | 18 29 | 0 52 | 16 25 | 2 22 | 18 46 | 0 21 | 17 23 | 0 23 | 7 10 | 14 28 | 10 49 | 10 38 | 6 4 | 10 15 | 2 | 0 |
| S 12 | 13 35 | 9 44 | 0s22 | 17 32 | 1 59 | 18 7 | 0 42 | 22 27 | 0 39 | 18 31 | 0 52 | 16 26 | 2 22 | 18 46 | 0 21 | 17 23 | 0 23 | 7 10 | 14 29 | 10 49 | 10 39 | 6 5 | 10 15 | 2 | 0 |
| S 13 | 13 15 | 6 6 | 1 29 | 17 4 | 2 1 | 17 49 | 0 44 | 22 21 | 0 40 | 18 32 | 0 52 | 16 26 | 2 22 | 18 46 | 0 21 | 17 22 | 0 23 | 7 10 | 14 29 | 10 49 | 10 41 | 6 7 | 10 14 | 2 | 0 |
| M14 | 12 55 | 2 17 | 2 31 | 16 34 | 2 3 | 17 30 | 0 46 | 22 15 | 0 41 | 18 33 | 0 52 | 16 26 | 2 22 | 18 46 | 0 21 | 17 22 | 0 23 | 7 10 | 14 30 | 10 49 | 10 42 | 6 9 | 10 14 | 2 | 0 |
| T 15 | 12 34 | 1n35 | 3 26 | 16 3 | 2 5 | 17 10 | 0 48 | 22 9 | 0 41 | 18 35 | 0 51 | 16 26 | 2 22 | 18 46 | 0 21 | 17 21 | 0 23 | 7 9 | 14 30 | 10 48 | 10 43 | 6 11 | 10 13 | 2 | 0 |
| W16 | 12 13 | 5 21 | 4 11 | 15 31 | 2 6 | 16 50 | 0 50 | 22 2 | 0 42 | 18 36 | 0 51 | 16 26 | 2 23 | 18 46 | 0 21 | 17 20 | 0 23 | 7 9 | 14 30 | 10 48 | 10 44 | 6 13 | 10 12 | 1 | 59 |
| T 17 | 11 52 | 8 53 | 4 46 | 14 58 | 2 6 | 16 29 | 0 52 | 21 55 | 0 43 | 18 38 | 0 51 | 16 27 | 2 23 | 18 47 | 0 21 | 17 20 | 0 23 | 7 9 | 14 31 | 10 48 | 10 45 | 6 15 | 10 12 | 1 | 59 |
| F 18 | 11 31 | 12 4 | 5 8 | 14 23 | 2 7 | 16 8 | 0 54 | 21 48 | 0 43 | 18 39 | 0 51 | 16 27 | 2 23 | 18 47 | 0 21 | 17 19 | 0 23 | 7 8 | 14 31 | 10 48 | 10 46 | 6 17 | 10 11 | 1 | 59 |
| S 19 | 11 10 | 14 48 | 5 17 | 13 47 | 2 6 | 15 47 | 0 56 | 21 41 | 0 44 | 18 41 | 0 50 | 16 27 | 2 23 | 18 47 | 0 21 | 17 19 | 0 23 | 7 8 | 14 32 | 10 48 | 10 47 | 6 19 | 10 10 | 1 | 59 |
| S 20 | 10 49 | 16 55 | 5 13 | 13 10 | 2 6 | 15 25 | 0 57 | 21 34 | 0 45 | 18 42 | 0 50 | 16 27 | 2 24 | 18 47 | 0 21 | 17 18 | 0 23 | 7 8 | 14 32 | 10 48 | 10 49 | 6 21 | 10 9 | 1 | 59 |
| M21 | 10 27 | 18 18 | 4 54 | 12 32 | 2 5 | 15 2 | 0 59 | 21 26 | 0 45 | 18 44 | 0 50 | 16 27 | 2 24 | 18 47 | 0 21 | 17 18 | 0 23 | 7 7 | 14 33 | 10 48 | 10 50 | 6 23 | 10 8 | 1 | 59 |
| T 22 | 10 5 | 18 48 | 4 20 | 11 53 | 2 3 | 14 39 | 1 1 | 21 18 | 0 46 | 18 46 | 0 50 | 16 27 | 2 24 | 18 47 | 0 21 | 17 17 | 0 23 | 7 7 | 14 33 | 10 48 | 10 51 | 6 24 | 10 7 | 1 | 58 |
| W23 | 9 43 | 18 20 | 3 31 | 11 12 | 2 1 | 14 16 | 1 3 | 21 10 | 0 47 | 18 47 | 0 49 | 16 27 | 2 24 | 18 47 | 0 21 | 17 16 | 0 23 | 7 7 | 14 33 | 10 48 | 10 52 | 6 26 | 10 6 | 1 | 58 |
| T 24 | 9 21 | 16 48 | 2 30 | 10 30 | 1 59 | 13 53 | 1 4 | 21 2 | 0 47 | 18 49 | 0 49 | 16 27 | 2 24 | 18 47 | 0 21 | 17 16 | 0 23 | 7 6 | 14 34 | 10 48 | 10 53 | 6 28 | 10 5 | 1 | 58 |
| F 25 | 8 59 | 14 14 | 1 18 | 9 47 | 1 56 | 13 29 | 1 6 | 20 53 | 0 48 | 18 51 | 0 49 | 16 27 | 2 25 | 18 47 | 0 21 | 17 15 | 0 23 | 7 6 | 14 34 | 10 47 | 10 54 | 6 30 | 10 4 | 1 | 58 |
| S 26 | 8 36 | 10 45 | 0n 1 | 9 3 | 1 52 | 13 4 | 1 7 | 20 44 | 0 49 | 18 53 | 0 49 | 16 27 | 2 25 | 18 47 | 0 21 | 17 15 | 0 23 | 7 6 | 14 35 | 10 47 | 10 55 | 6 32 | 10 3 | 1 | 58 |
| S 27 | 8 14 | 6 33 | 1 21 | 8 18 | 1 48 | 12 39 | 1 9 | 20 35 | 0 49 | 18 54 | 0 48 | 16 27 | 2 25 | 18 47 | 0 21 | 17 14 | 0 23 | 7 5 | 14 35 | 10 48 | 10 56 | 6 34 | 10 2 | 1 | 57 |
| M28 | 7s51 | 1n54 | 2n37 | 7s32 | 1s44 | 12s14 | 1s10 | 20s26 | 0s50 | 18n56 | 0s48 | 16s27 | 2n25 | 18s47 | 0n21 | 17s14 | 0n23 | 7s 5 | 14n36 | 10n48 | 10n58 | 6n36 | 10s 1 | 1s | 57 |

Julian Day Number = 2811340.5, Delta T = 53m16s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°31'48, Lahiri = 37°38'49


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# ASTRODIENST EPHEMERIS for the year 2985
# geocentric

## MARCH 2985 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 38 25 | 10♓48'56 | 16♎ 6 | 16♓41 | 2♓ 1 | 2♒40 | 28♉38 | 24♏31 | 25°R55 | 10♒14 | 7♐51 | 1°R44 | 1♍14 | 27♈51 | 21°R 5 | T 1 |
| W 2 | 10 42 22 | 11°49'32 | 0♏52 | 18°32 | 3°16 | 3°24 | 28°46 | 24°31 | 25♏55 | 10°16 | 7°51 | 1♍43 | 1°11 | 27°57 | 21♎ 2 | W 2 |
| T 3 | 10 46 18 | 12°50'06 | 15°28 | 20°22 | 4°31 | 4° 9 | 28°54 | 24°R31 | 25°55 | 10°18 | 7°52 | 1°42 | 1° 8 | 28° 4 | 20°59 | T 3 |
| F 4 | 10 50 15 | 13°50'39 | 29°48 | 22°13 | 5°47 | 4°53 | 29° 1 | 24°31 | 25°55 | 10°20 | 7°52 | 1°41 | 1° 4 | 28°11 | 20°56 | F 4 |
| S 5 | 10 54 11 | 14°51'12 | 13♐50 | 24° 4 | 7° 2 | 5°38 | 29°10 | 24°31 | 25°55 | 10°22 | 7°52 | 1°D40 | 1° 1 | 28°17 | 20°53 | S 5 |
| S 6 | 10 58 8 | 15°51'43 | 27°33 | 25°55 | 8°17 | 6°22 | 29°18 | 24°31 | 25°55 | 10°24 | 7°52 | 1°41 | 0°58 | 28°24 | 20°50 | S 6 |
| M 7 | 11 2 5 | 16°52'13 | 10♑58 | 27°45 | 9°32 | 7° 7 | 29°26 | 24°31 | 25°54 | 10°26 | 7°52 | 1°42 | 0°55 | 28°31 | 20°47 | M 7 |
| T 8 | 11 6 1 | 17°52'41 | 24° 5 | 29°34 | 10°47 | 7°51 | 29°35 | 24°30 | 25°54 | 10°28 | 7°52 | 1°43 | 0°52 | 28°37 | 20°43 | T 8 |
| W 9 | 11 9 58 | 18°53'09 | 6♒57 | 1♈23 | 12° 2 | 8°36 | 29°43 | 24°30 | 25°53 | 10°29 | 7°53 | 1°44 | 0°49 | 28°44 | 20°40 | W 9 |
| T 10 | 11 13 54 | 19°53'35 | 19°35 | 3°10 | 13°17 | 9°21 | 29°52 | 24°29 | 25°53 | 10°31 | 7°R53 | 1°45 | 0°45 | 28°51 | 20°36 | T 10 |
| F 11 | 11 17 51 | 20°53'59 | 2♓ 2 | 4°55 | 14°32 | 10° 5 | 0♊ 1 | 24°28 | 25°52 | 10°33 | 7°53 | 1°R46 | 0°42 | 28°58 | 20°33 | F 11 |
| S 12 | 11 21 47 | 21°54'22 | 14°19 | 6°39 | 15°48 | 10°50 | 0°10 | 24°28 | 25°52 | 10°35 | 7°53 | 1°45 | 0°39 | 29° 4 | 20°29 | S 12 |
| S 13 | 11 25 44 | 22°54'44 | 26°26 | 8°19 | 17° 3 | 11°35 | 0°19 | 24°27 | 25°51 | 10°37 | 7°52 | 1°44 | 0°36 | 29°11 | 20°25 | S 13 |
| M14 | 11 29 40 | 23°55'03 | 8♈27 | 9°57 | 18°18 | 12°20 | 0°28 | 24°26 | 25°50 | 10°39 | 7°52 | 1°41 | 0°33 | 29°18 | 20°21 | M14 |
| T 15 | 11 33 37 | 24°55'21 | 20°22 | 11°31 | 19°33 | 13° 4 | 0°38 | 24°24 | 25°50 | 10°40 | 7°52 | 1°37 | 0°30 | 29°24 | 20°18 | T 15 |
| W16 | 11 37 34 | 25°55'38 | 2♉14 | 13° 0 | 20°48 | 13°49 | 0°47 | 24°23 | 25°49 | 10°42 | 7°52 | 1°33 | 0°26 | 29°31 | 20°14 | W16 |
| T 17 | 11 41 30 | 26°55'52 | 14° 4 | 14°25 | 22° 3 | 14°34 | 0°57 | 24°22 | 25°48 | 10°44 | 7°52 | 1°28 | 0°23 | 29°38 | 20° 9 | T 17 |
| F 18 | 11 45 27 | 27°56'05 | 25°56 | 15°44 | 23°18 | 15°19 | 1° 7 | 24°20 | 25°47 | 10°45 | 7°52 | 1°24 | 0°20 | 29°44 | 20° 5 | F 18 |
| S 19 | 11 49 23 | 28°56'15 | 7♊54 | 16°57 | 24°33 | 16° 4 | 1°17 | 24°19 | 25°46 | 10°47 | 7°51 | 1°21 | 0°17 | 29°51 | 20° 1 | S 19 |
| S 20 | 11 53 20 | 29°56'24 | 20° 1 | 18° 3 | 25°48 | 16°49 | 1°27 | 24°17 | 25°45 | 10°49 | 7°51 | 1°20 | 0°14 | 29°58 | 19°57 | S 20 |
| M21 | 11 57 16 | 0♈56'31 | 2♋22 | 19° 2 | 27° 3 | 17°34 | 1°37 | 24°15 | 25°44 | 10°50 | 7°51 | 1°D19 | 0°10 | 0♉ 5 | 19°53 | M21 |
| T 22 | 12 1 13 | 1°56'35 | 15° 1 | 19°54 | 28°18 | 18°19 | 1°47 | 24°14 | 25°43 | 10°52 | 7°50 | 1°20 | 0° 7 | 0°11 | 19°48 | T 22 |
| W23 | 12 5 9 | 2°56'38 | 28° 2 | 20°37 | 29°33 | 19° 4 | 1°58 | 24°12 | 25°42 | 10°54 | 7°50 | 1°21 | 0° 4 | 0°18 | 19°44 | W23 |
| T 24 | 12 9 6 | 3°56'38 | 11♌30 | 21°12 | 0♈48 | 19°49 | 2° 8 | 24°10 | 25°40 | 10°55 | 7°49 | 1°23 | 0° 1 | 0°25 | 19°40 | T 24 |
| F 25 | 12 13 2 | 4°56'37 | 25°24 | 21°39 | 2° 3 | 20°34 | 2°19 | 24° 8 | 25°39 | 10°57 | 7°49 | 1°R24 | 29♌58 | 0°31 | 19°35 | F 25 |
| S 26 | 12 16 59 | 5°56'33 | 9♍47 | 21°56 | 3°17 | 21°19 | 2°29 | 24° 5 | 25°38 | 10°58 | 7°48 | 1°24 | 29°55 | 0°38 | 19°31 | S 26 |
| S 27 | 12 20 56 | 6°56'27 | 24°33 | 22°R 5 | 4°32 | 22° 4 | 2°40 | 24° 3 | 25°36 | 11° 0 | 7°48 | 1°22 | 29°51 | 0°45 | 19°26 | S 27 |
| M28 | 12 24 52 | 7°56'19 | 9♎36 | 22° 5 | 5°47 | 22°49 | 2°51 | 24° 1 | 25°35 | 11° 1 | 7°47 | 1°18 | 29°48 | 0°51 | 19°21 | M28 |
| T 29 | 12 28 49 | 8°56'10 | 24°48 | 21°56 | 7° 2 | 23°34 | 3° 2 | 23°58 | 25°34 | 11° 3 | 7°47 | 1°13 | 29°45 | 0°58 | 19°17 | T 29 |
| W30 | 12 32 45 | 9°55'58 | 9♏59 | 21°39 | 8°17 | 24°19 | 3°13 | 23°56 | 25°32 | 11° 4 | 7°46 | 1° 8 | 29°42 | 1° 5 | 19°12 | W30 |
| T 31 | 12 36 42 | 10♈55'45 | 24♏57 | 21♈15 | 9♈32 | 25♒ 4 | 3♊24 | 23♏53 | 25♏31 | 11♒ 5 | 7♐45 | 1♍ 2 | 29♌39 | 1♉12 | 19♎ 8 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7s28 | 2s53 | 3n42 | 6s44 | 1s38 | 11s49 | 1s12 | 20s17 | 0s51 | 18n58 | 0s48 | 16s26 | 2n26 | 18s47 | 0n21 | 17s13 | 0n23 | 7s 4 | 14n36 | 10n48 | 10n59 | 6n38 | 10s 0 | 1s57 |
| W 2 | 7 5 | 7 27 | 4 32 | 5 56 | 1 33 | 11 23 | 1 13 | 20 7 | 0 51 | 19 0 | 0 48 | 16 26 | 2 26 | 18 47 | 0 21 | 17 13 | 0 23 | 7 4 | 14 37 | 10 48 | 11 0 | 6 40 | 9 58 | 1 57 |
| T 3 | 6 42 | 11 31 | 5 4 | 5 7 | 1 26 | 10 57 | 1 14 | 19 57 | 0 52 | 19 2 | 0 47 | 16 26 | 2 26 | 18 47 | 0 21 | 17 12 | 0 23 | 7 4 | 14 37 | 10 49 | 11 1 | 6 42 | 9 57 | 1 57 |
| F 4 | 6 19 | 14 50 | 5 17 | 4 17 | 1 19 | 10 31 | 1 15 | 19 48 | 0 53 | 19 4 | 0 47 | 16 26 | 2 26 | 18 47 | 0 21 | 17 12 | 0 23 | 7 3 | 14 37 | 10 49 | 11 2 | 6 43 | 9 56 | 1 56 |
| S 5 | 5 56 | 17 13 | 5 10 | 3 27 | 1 12 | 10 4 | 1 17 | 19 37 | 0 53 | 19 6 | 0 47 | 16 26 | 2 27 | 18 47 | 0 21 | 17 11 | 0 23 | 7 3 | 14 38 | 10 49 | 11 3 | 6 45 | 9 54 | 1 56 |
| S 6 | 5 33 | 18 32 | 4 45 | 2 35 | 1 4 | 9 37 | 1 18 | 19 27 | 0 54 | 19 8 | 0 47 | 16 25 | 2 27 | 18 47 | 0 21 | 17 11 | 0 23 | 7 2 | 14 38 | 10 49 | 11 4 | 6 47 | 9 53 | 1 56 |
| M 7 | 5 9 | 18 47 | 4 6 | 1 44 | 0 55 | 9 10 | 1 19 | 19 16 | 0 55 | 19 10 | 0 47 | 16 25 | 2 27 | 18 47 | 0 21 | 17 10 | 0 23 | 7 2 | 14 39 | 10 49 | 11 5 | 6 49 | 9 51 | 1 56 |
| T 8 | 4 46 | 18 0 | 3 14 | 0 52 | 0 45 | 8 43 | 1 20 | 19 6 | 0 55 | 19 12 | 0 46 | 16 25 | 2 27 | 18 47 | 0 21 | 17 9 | 0 23 | 7 2 | 14 39 | 10 48 | 11 6 | 6 51 | 9 50 | 1 55 |
| W 9 | 4 22 | 16 17 | 2 13 | 0n 0 | 0 35 | 8 15 | 1 21 | 18 55 | 0 56 | 19 14 | 0 46 | 16 24 | 2 27 | 18 47 | 0 21 | 17 9 | 0 23 | 7 1 | 14 40 | 10 48 | 11 8 | 6 53 | 9 48 | 1 55 |
| T 10 | 3 59 | 13 48 | 1 7 | 0 53 | 0 24 | 7 47 | 1 21 | 18 44 | 0 57 | 19 16 | 0 46 | 16 24 | 2 28 | 18 47 | 0 21 | 17 8 | 0 23 | 7 1 | 14 40 | 10 48 | 11 9 | 6 55 | 9 47 | 1 55 |
| F 11 | 3 35 | 10 43 | 0s 1 | 1 45 | 0 13 | 7 19 | 1 22 | 18 32 | 0 57 | 19 18 | 0 46 | 16 24 | 2 28 | 18 46 | 0 21 | 17 8 | 0 23 | 7 0 | 14 40 | 10 47 | 11 10 | 6 57 | 9 45 | 1 55 |
| S 12 | 3 12 | 7 12 | 1 9 | 2 36 | 0 1 | 6 51 | 1 23 | 18 21 | 0 58 | 19 20 | 0 45 | 16 23 | 2 28 | 18 46 | 0 21 | 17 7 | 0 23 | 7 0 | 14 41 | 10 48 | 11 11 | 6 59 | 9 44 | 1 54 |
| S 13 | 2 48 | 3 26 | 2 12 | 3 27 | 0n11 | 6 22 | 1 24 | 18 9 | 0 58 | 19 22 | 0 45 | 16 23 | 2 28 | 18 46 | 0 21 | 17 7 | 0 23 | 6 59 | 14 41 | 10 48 | 11 12 | 7 0 | 9 42 | 1 54 |
| M14 | 2 24 | 0n27 | 3 9 | 4 17 | 0 24 | 5 54 | 1 24 | 17 57 | 0 59 | 19 24 | 0 45 | 16 22 | 2 28 | 18 46 | 0 21 | 17 7 | 0 23 | 6 59 | 14 42 | 10 49 | 11 13 | 7 2 | 9 40 | 1 54 |
| T 15 | 2 0 | 4 16 | 3 56 | 5 6 | 0 37 | 5 25 | 1 25 | 17 45 | 1 0 | 19 26 | 0 45 | 16 22 | 2 29 | 18 46 | 0 21 | 17 6 | 0 23 | 6 59 | 14 42 | 10 51 | 11 14 | 7 4 | 9 38 | 1 54 |
| W16 | 1 37 | 7 54 | 4 34 | 5 53 | 0 51 | 4 56 | 1 25 | 17 33 | 1 0 | 19 29 | 0 45 | 16 21 | 2 29 | 18 46 | 0 21 | 17 6 | 0 23 | 6 58 | 14 43 | 10 52 | 11 15 | 7 6 | 9 37 | 1 53 |
| T 17 | 1 13 | 11 12 | 4 59 | 6 38 | 1 4 | 4 27 | 1 26 | 17 21 | 1 1 | 19 31 | 0 44 | 16 21 | 2 29 | 18 45 | 0 21 | 17 5 | 0 23 | 6 58 | 14 43 | 10 54 | 11 17 | 7 8 | 9 35 | 1 53 |
| F 18 | 0 49 | 14 5 | 5 12 | 7 21 | 1 18 | 3 58 | 1 26 | 17 8 | 1 2 | 19 33 | 0 44 | 16 20 | 2 29 | 18 45 | 0 21 | 17 5 | 0 23 | 6 57 | 14 43 | 10 55 | 11 18 | 7 10 | 9 33 | 1 53 |
| S 19 | 0 25 | 16 23 | 5 11 | 8 2 | 1 32 | 3 28 | 1 26 | 16 56 | 1 2 | 19 35 | 0 44 | 16 20 | 2 30 | 18 45 | 0 21 | 17 4 | 0 23 | 6 57 | 14 44 | 10 56 | 11 19 | 7 12 | 9 31 | 1 52 |
| S 20 | 0 1 | 18 0 | 4 57 | 8 40 | 1 46 | 2 59 | 1 26 | 16 43 | 1 3 | 19 37 | 0 44 | 16 19 | 2 30 | 18 45 | 0 21 | 17 4 | 0 23 | 6 56 | 14 44 | 10 57 | 11 20 | 7 14 | 9 29 | 1 52 |
| M21 | 0n22 | 18 49 | 4 29 | 9 15 | 1 59 | 2 30 | 1 26 | 16 30 | 1 4 | 19 40 | 0 44 | 16 19 | 2 30 | 18 44 | 0 21 | 17 3 | 0 23 | 6 56 | 14 45 | 10 57 | 11 21 | 7 16 | 9 27 | 1 52 |
| T 22 | 0 46 | 18 43 | 3 47 | 9 47 | 2 12 | 2 0 | 1 27 | 16 17 | 1 4 | 19 42 | 0 43 | 16 18 | 2 30 | 18 44 | 0 21 | 17 3 | 0 23 | 6 55 | 14 45 | 10 57 | 11 22 | 7 17 | 9 26 | 1 51 |
| W23 | 1 10 | 17 37 | 2 52 | 10 15 | 2 25 | 1 30 | 1 27 | 16 3 | 1 5 | 19 44 | 0 43 | 16 17 | 2 30 | 18 44 | 0 21 | 17 2 | 0 23 | 6 55 | 14 46 | 10 56 | 11 23 | 7 19 | 9 24 | 1 51 |
| T 24 | 1 34 | 15 32 | 1 47 | 10 39 | 2 36 | 1 1 | 1 27 | 15 50 | 1 5 | 19 46 | 0 43 | 16 17 | 2 31 | 18 44 | 0 21 | 17 2 | 0 23 | 6 54 | 14 46 | 10 56 | 11 24 | 7 21 | 9 22 | 1 51 |
| F 25 | 1 57 | 12 28 | 0 33 | 10 59 | 2 47 | 0 31 | 1 26 | 15 36 | 1 6 | 19 49 | 0 43 | 16 16 | 2 31 | 18 43 | 0 21 | 17 2 | 0 23 | 6 54 | 14 46 | 10 55 | 11 25 | 7 23 | 9 20 | 1 51 |
| S 26 | 2 21 | 8 34 | 0n46 | 11 15 | 2 57 | 0 1 | 1 26 | 15 22 | 1 7 | 19 51 | 0 43 | 16 15 | 2 31 | 18 43 | 0 21 | 17 1 | 0 23 | 6 54 | 14 47 | 10 55 | 11 27 | 7 25 | 9 18 | 1 50 |
| S 27 | 2 44 | 4 2 | 2 3 | 11 26 | 3 6 | 0n29 | 1 26 | 15 8 | 1 7 | 19 53 | 0 42 | 16 14 | 2 31 | 18 43 | 0 21 | 17 1 | 0 23 | 6 53 | 14 47 | 10 56 | 11 28 | 7 27 | 9 16 | 1 50 |
| M28 | 3 8 | 0s49 | 3 13 | 11 33 | 3 14 | 0 58 | 1 26 | 14 54 | 1 8 | 19 55 | 0 42 | 16 14 | 2 31 | 18 42 | 0 21 | 17 0 | 0 23 | 6 53 | 14 48 | 10 57 | 11 29 | 7 29 | 9 14 | 1 50 |
| T 29 | 3 31 | 5 40 | 4 10 | 11 36 | 3 20 | 1 28 | 1 25 | 14 40 | 1 9 | 19 58 | 0 42 | 16 13 | 2 31 | 18 42 | 0 21 | 17 0 | 0 23 | 6 52 | 14 48 | 10 59 | 11 30 | 7 31 | 9 12 | 1 49 |
| W30 | 3 55 | 10 9 | 4 49 | 11 33 | 3 24 | 1 58 | 1 25 | 14 26 | 1 9 | 20 0 | 0 42 | 16 12 | 2 32 | 18 42 | 0 21 | 17 0 | 0 23 | 6 52 | 14 48 | 11 1 | 11 31 | 7 33 | 9 9 | 1 49 |
| T 31 | 4n18 | 13s55 | 5n 8 | 11n27 | 3n27 | 2n28 | 1s24 | 14s11 | 1s10 | 20n 2 | 0s42 | 16s11 | 2n32 | 18s41 | 0n21 | 16s59 | 0n23 | 6s51 | 14n49 | 11n 3 | 11n32 | 7n34 | 9s 7 | 1s48 |

Julian Day Number = 2811368.5, Delta T = 53m16s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°31'52, Lahiri = 37°38'52


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# ASTRODIENST EPHEMERIS for the year 2985
# geocentric

## APRIL 2985 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 40 38 | 11♈55'31 | 9♐36 | 20°R43 | 10♈46 | 25♒50 | 3♊35 | 23°R50 | 25°R29 | 11♒ 7 | 7°R44 | 0°R57 | 29♌36 | 1♉18 | 19°R 3 | F 1 |
| S 2 | 12 44 35 | 12°55'15 | 23°51 | 20♈ 5 | 12° 1 | 26°35 | 3°47 | 23♏47 | 25♏27 | 11° 8 | 7♐44 | 0♍54 | 29°32 | 1°25 | 18♎58 | S 2 |
| S 3 | 12 48 31 | 13°54'57 | 7♑39 | 19°22 | 13°16 | 27°20 | 3°58 | 23°44 | 25°26 | 11° 9 | 7°43 | 0°52 | 29°29 | 1°32 | 18°53 | S 3 |
| M 4 | 12 52 28 | 14°54'37 | 21° 2 | 18°34 | 14°31 | 28° 5 | 4°10 | 23°41 | 25°24 | 11°11 | 7°42 | 0°D52 | 29°26 | 1°38 | 18°49 | M 4 |
| T 5 | 12 56 25 | 15°54'16 | 4♒ 1 | 17°43 | 15°46 | 28°51 | 4°21 | 23°38 | 25°22 | 11°12 | 7°41 | 0°53 | 29°23 | 1°45 | 18°44 | T 5 |
| W 6 | 13 0 21 | 16°53'53 | 16°41 | 16°50 | 17° 0 | 29°36 | 4°33 | 23°35 | 25°21 | 11°13 | 7°40 | 0°54 | 29°20 | 1°52 | 18°39 | W 6 |
| T 7 | 13 4 18 | 17°53'28 | 29° 6 | 15°56 | 18°15 | 0♓21 | 4°45 | 23°32 | 25°19 | 11°14 | 7°40 | 0°R55 | 29°16 | 1°58 | 18°34 | T 7 |
| F 8 | 13 8 14 | 18°53'02 | 11♓18 | 15° 2 | 19°30 | 1° 7 | 4°57 | 23°29 | 25°17 | 11°15 | 7°39 | 0°55 | 29°13 | 2° 5 | 18°30 | F 8 |
| S 9 | 13 12 11 | 19°52'34 | 23°22 | 14°10 | 20°44 | 1°52 | 5° 9 | 23°25 | 25°15 | 11°16 | 7°38 | 0°52 | 29°10 | 2°12 | 18°25 | S 9 |
| S 10 | 13 16 7 | 20°52'04 | 5♈19 | 13°20 | 21°59 | 2°38 | 5°21 | 23°22 | 25°13 | 11°17 | 7°37 | 0°47 | 29° 7 | 2°19 | 18°20 | S 10 |
| M11 | 13 20 4 | 21°51'32 | 17°13 | 12°33 | 23°14 | 3°23 | 5°33 | 23°18 | 25°11 | 11°19 | 7°36 | 0°39 | 29° 4 | 2°25 | 18°15 | M11 |
| T 12 | 13 24 0 | 22°50'58 | 29° 5 | 11°49 | 24°28 | 4° 8 | 5°45 | 23°15 | 25° 9 | 11°20 | 7°35 | 0°30 | 29° 1 | 2°32 | 18°11 | T 12 |
| W13 | 13 27 57 | 23°50'22 | 10♉56 | 11°11 | 25°43 | 4°54 | 5°57 | 23°11 | 25° 7 | 11°21 | 7°34 | 0°20 | 28°57 | 2°39 | 18° 6 | W13 |
| T 14 | 13 31 54 | 24°49'44 | 22°48 | 10°37 | 26°58 | 5°39 | 6°10 | 23° 8 | 25° 5 | 11°22 | 7°33 | 0° 9 | 28°54 | 2°45 | 18° 1 | T 14 |
| F 15 | 13 35 50 | 25°49'04 | 4♊43 | 10° 8 | 28°12 | 6°25 | 6°22 | 23° 4 | 25° 3 | 11°22 | 7°31 | 29♌59 | 28°51 | 2°52 | 17°56 | F 15 |
| S 16 | 13 39 47 | 26°48'21 | 16°43 | 9°45 | 29°27 | 7°10 | 6°35 | 23° 0 | 25° 1 | 11°23 | 7°30 | 29°50 | 28°48 | 2°59 | 17°52 | S 16 |
| S 17 | 13 43 43 | 27°47'37 | 28°52 | 9°28 | 0♋41 | 7°56 | 6°47 | 22°56 | 24°59 | 11°24 | 7°29 | 29°44 | 28°45 | 3° 6 | 17°47 | S 17 |
| M18 | 13 47 40 | 28°46'50 | 11♋11 | 9°16 | 1°56 | 8°41 | 7° 0 | 22°52 | 24°56 | 11°25 | 7°28 | 29°40 | 28°41 | 3°12 | 17°43 | M18 |
| T 19 | 13 51 36 | 29°46'02 | 23°47 | 9°10 | 3°10 | 9°27 | 7°12 | 22°48 | 24°54 | 11°26 | 7°27 | 29°38 | 28°38 | 3°19 | 17°38 | T 19 |
| W20 | 13 55 33 | 0♌45'11 | 6♌41 | 9°D10 | 4°25 | 10°12 | 7°25 | 22°44 | 24°52 | 11°27 | 7°26 | 29°D38 | 28°35 | 3°26 | 17°33 | W20 |
| T 21 | 13 59 29 | 1°44'17 | 20° 0 | 9°15 | 5°39 | 10°58 | 7°38 | 22°40 | 24°50 | 11°27 | 7°24 | 29°39 | 28°32 | 3°32 | 17°29 | T 21 |
| F 22 | 14 3 26 | 2°43'21 | 3♍45 | 9°25 | 6°54 | 11°43 | 7°51 | 22°36 | 24°47 | 11°28 | 7°23 | 29°R39 | 28°29 | 3°39 | 17°24 | F 22 |
| S 23 | 14 7 23 | 3°42'23 | 17°59 | 9°41 | 8° 8 | 12°29 | 8° 4 | 22°32 | 24°45 | 11°29 | 7°22 | 29°38 | 28°26 | 3°46 | 17°20 | S 23 |
| S 24 | 14 11 19 | 4°41'23 | 2♎39 | 10° 1 | 9°22 | 13°14 | 8°17 | 22°27 | 24°43 | 11°29 | 7°20 | 29°34 | 28°22 | 3°53 | 17°15 | S 24 |
| M25 | 14 15 16 | 5°40'21 | 17°42 | 10°26 | 10°37 | 14° 0 | 8°30 | 22°23 | 24°40 | 11°30 | 7°19 | 29°28 | 28°19 | 3°59 | 17°11 | M25 |
| T 26 | 14 19 12 | 6°39'16 | 2♏59 | 10°55 | 11°51 | 14°46 | 8°43 | 22°19 | 24°38 | 11°31 | 7°18 | 29°20 | 28°16 | 4° 6 | 17° 7 | T 26 |
| W27 | 14 23 9 | 7°38'10 | 18°19 | 11°28 | 13° 5 | 15°31 | 8°56 | 22°15 | 24°36 | 11°31 | 7°16 | 29°10 | 28°13 | 4°13 | 17° 3 | W27 |
| T 28 | 14 27 5 | 8°37'02 | 3♐32 | 12° 6 | 14°20 | 16°17 | 9° 9 | 22°10 | 24°33 | 11°32 | 7°15 | 29° 0 | 28°10 | 4°19 | 16°58 | T 28 |
| F 29 | 14 31 2 | 9°35'52 | 18°26 | 12°47 | 15°34 | 17° 2 | 9°22 | 22° 6 | 24°31 | 11°32 | 7°13 | 28°51 | 28° 7 | 4°26 | 16°54 | F 29 |
| S 30 | 14 34 58 | 10♉34'40 | 2♑54 | 13♈33 | 16♉48 | 17♓48 | 9♊36 | 22♏ 1 | 24♏28 | 11♒33 | 7♐12 | 28♌44 | 28♌ 3 | 4♉33 | 16♎50 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4n41 | 16s43 | 5n 7 | 11n16 | 3n28 | 2n57 | 1s24 | 13s57 | 1s10 | 20n 5 | 0s42 | 16s11 | 2n32 | 18s41 | 0n21 | 16s59 | 0n23 | 6s51 | 14n49 | 11n 5 | 11n33 | 7n36 | 9s 5 | 1s48 |
| S 2 | 5 5 | 18 25 | 4 46 | 11 1 | 3 27 | 3 27 | 1 23 | 13 42 | 1 11 | 20 7 | 0 41 | 16 10 | 2 32 | 18 40 | 0 21 | 16 59 | 0 23 | 6 50 | 14 49 | 11 6 | 11 34 | 7 38 | 9 3 | 1 48 |
| S 3 | 5 28 | 18 57 | 4 9 | 10 42 | 3 24 | 3 56 | 1 23 | 13 27 | 1 11 | 20 9 | 0 41 | 16 9 | 2 32 | 18 40 | 0 21 | 16 58 | 0 23 | 6 50 | 14 50 | 11 6 | 11 35 | 7 40 | 9 1 | 1 47 |
| M 4 | 5 51 | 18 24 | 3 19 | 10 19 | 3 20 | 4 26 | 1 22 | 13 12 | 1 12 | 20 11 | 0 41 | 16 8 | 2 32 | 18 40 | 0 21 | 16 58 | 0 23 | 6 49 | 14 50 | 11 6 | 11 37 | 7 42 | 8 59 | 1 47 |
| T 5 | 6 14 | 16 52 | 2 20 | 9 54 | 3 13 | 4 55 | 1 21 | 12 57 | 1 13 | 20 14 | 0 41 | 16 7 | 2 33 | 18 39 | 0 21 | 16 58 | 0 23 | 6 49 | 14 50 | 11 6 | 11 38 | 7 44 | 8 57 | 1 47 |
| W 6 | 6 36 | 14 32 | 1 16 | 9 26 | 3 5 | 5 25 | 1 20 | 12 42 | 1 13 | 20 16 | 0 41 | 16 6 | 2 33 | 18 39 | 0 22 | 16 57 | 0 23 | 6 48 | 14 51 | 11 6 | 11 39 | 7 46 | 8 55 | 1 46 |
| T 7 | 6 59 | 11 34 | 0 10 | 8 56 | 2 55 | 5 54 | 1 19 | 12 26 | 1 14 | 20 18 | 0 41 | 16 5 | 2 33 | 18 38 | 0 22 | 16 57 | 0 23 | 6 48 | 14 51 | 11 5 | 11 40 | 7 48 | 8 52 | 1 46 |
| F 8 | 7 21 | 8 9 | 0s56 | 8 24 | 2 43 | 6 23 | 1 18 | 12 11 | 1 14 | 20 21 | 0 40 | 16 4 | 2 33 | 18 38 | 0 22 | 16 57 | 0 23 | 6 47 | 14 51 | 11 6 | 11 41 | 7 50 | 8 50 | 1 46 |
| S 9 | 7 44 | 4 26 | 1 58 | 7 52 | 2 31 | 6 52 | 1 17 | 11 55 | 1 15 | 20 23 | 0 40 | 16 3 | 2 33 | 18 37 | 0 22 | 16 56 | 0 23 | 6 47 | 14 52 | 11 6 | 11 42 | 7 51 | 8 48 | 1 45 |
| S 10 | 8 6 | 0 34 | 2 54 | 7 20 | 2 17 | 7 20 | 1 16 | 11 39 | 1 16 | 20 25 | 0 40 | 16 2 | 2 33 | 18 37 | 0 22 | 16 56 | 0 23 | 6 46 | 14 52 | 11 8 | 11 43 | 7 53 | 8 46 | 1 45 |
| M11 | 8 28 | 3n18 | 3 43 | 6 48 | 2 2 | 7 49 | 1 15 | 11 24 | 1 16 | 20 27 | 0 40 | 16 1 | 2 33 | 18 37 | 0 22 | 16 56 | 0 23 | 6 46 | 14 52 | 11 11 | 11 44 | 7 55 | 8 44 | 1 44 |
| T 12 | 8 50 | 7 1 | 4 21 | 6 17 | 1 47 | 8 17 | 1 14 | 11 8 | 1 17 | 20 30 | 0 40 | 16 0 | 2 34 | 18 36 | 0 22 | 16 55 | 0 23 | 6 46 | 14 53 | 11 14 | 11 45 | 7 57 | 8 42 | 1 44 |
| W13 | 9 12 | 10 27 | 4 48 | 5 48 | 1 31 | 8 46 | 1 12 | 10 52 | 1 17 | 20 32 | 0 40 | 15 59 | 2 34 | 18 36 | 0 22 | 16 55 | 0 23 | 6 45 | 14 53 | 11 18 | 11 46 | 7 59 | 8 39 | 1 44 |
| T 14 | 9 34 | 13 29 | 5 2 | 5 20 | 1 15 | 9 14 | 1 11 | 10 36 | 1 18 | 20 34 | 0 39 | 15 58 | 2 34 | 18 35 | 0 22 | 16 55 | 0 23 | 6 45 | 14 53 | 11 22 | 11 48 | 8 1 | 8 37 | 1 43 |
| F 15 | 9 55 | 15 59 | 5 4 | 4 54 | 0 59 | 9 41 | 1 10 | 10 19 | 1 18 | 20 37 | 0 39 | 15 57 | 2 34 | 18 35 | 0 22 | 16 55 | 0 23 | 6 44 | 14 54 | 11 25 | 11 49 | 8 3 | 8 35 | 1 43 |
| S 16 | 10 17 | 17 48 | 4 52 | 4 30 | 0 43 | 10 9 | 1 8 | 10 3 | 1 19 | 20 39 | 0 39 | 15 56 | 2 34 | 18 34 | 0 22 | 16 54 | 0 23 | 6 44 | 14 54 | 11 28 | 11 50 | 8 5 | 8 33 | 1 42 |
| S 17 | 10 38 | 18 51 | 4 27 | 4 9 | 0 27 | 10 36 | 1 7 | 9 47 | 1 19 | 20 41 | 0 39 | 15 55 | 2 34 | 18 34 | 0 22 | 16 54 | 0 23 | 6 43 | 14 54 | 11 30 | 11 51 | 8 6 | 8 31 | 1 42 |
| M18 | 10 59 | 19 2 | 3 49 | 3 50 | 0 12 | 11 3 | 1 5 | 9 30 | 1 20 | 20 43 | 0 39 | 15 54 | 2 34 | 18 33 | 0 22 | 16 54 | 0 23 | 6 43 | 14 54 | 11 32 | 11 52 | 8 8 | 8 29 | 1 41 |
| T 19 | 11 20 | 18 17 | 2 59 | 3 34 | 0s 4 | 11 30 | 1 4 | 9 14 | 1 20 | 20 46 | 0 39 | 15 53 | 2 34 | 18 33 | 0 22 | 16 54 | 0 23 | 6 42 | 14 55 | 11 32 | 11 53 | 8 10 | 8 26 | 1 41 |
| W20 | 11 40 | 16 34 | 1 59 | 3 20 | 0 18 | 11 57 | 1 2 | 8 57 | 1 21 | 20 48 | 0 39 | 15 52 | 2 34 | 18 32 | 0 22 | 16 53 | 0 23 | 6 42 | 14 55 | 11 32 | 11 54 | 8 12 | 8 24 | 1 41 |
| T 21 | 12 1 | 13 55 | 0 51 | 3 9 | 0 32 | 12 23 | 1 0 | 8 40 | 1 21 | 20 50 | 0 38 | 15 51 | 2 34 | 18 31 | 0 22 | 16 53 | 0 23 | 6 42 | 14 55 | 11 32 | 11 55 | 8 14 | 8 22 | 1 40 |
| F 22 | 12 21 | 10 25 | 0n22 | 3 1 | 0 46 | 12 49 | 0 59 | 8 24 | 1 22 | 20 52 | 0 38 | 15 50 | 2 35 | 18 31 | 0 22 | 16 53 | 0 23 | 6 41 | 14 55 | 11 32 | 11 56 | 8 16 | 8 20 | 1 40 |
| S 23 | 12 41 | 6 12 | 1 36 | 2 55 | 0 59 | 13 15 | 0 57 | 8 7 | 1 22 | 20 54 | 0 38 | 15 49 | 2 35 | 18 30 | 0 22 | 16 53 | 0 23 | 6 41 | 14 56 | 11 32 | 11 57 | 8 18 | 8 18 | 1 39 |
| S 24 | 13 1 | 1 30 | 2 46 | 2 51 | 1 11 | 13 40 | 0 55 | 7 50 | 1 23 | 20 57 | 0 38 | 15 47 | 2 35 | 18 30 | 0 22 | 16 53 | 0 23 | 6 40 | 14 56 | 11 34 | 11 59 | 8 20 | 8 16 | 1 39 |
| M25 | 13 20 | 3s25 | 3 46 | 2 51 | 1 22 | 14 5 | 0 53 | 7 33 | 1 23 | 20 59 | 0 38 | 15 46 | 2 35 | 18 29 | 0 22 | 16 53 | 0 23 | 6 40 | 14 56 | 11 36 | 12 0 | 8 21 | 8 14 | 1 38 |
| T 26 | 13 40 | 8 11 | 4 31 | 2 52 | 1 33 | 14 30 | 0 51 | 7 16 | 1 24 | 21 1 | 0 38 | 15 45 | 2 35 | 18 29 | 0 22 | 16 52 | 0 23 | 6 39 | 14 56 | 11 39 | 12 1 | 8 23 | 8 12 | 1 38 |
| W27 | 13 59 | 12 26 | 4 57 | 2 56 | 1 43 | 14 54 | 0 49 | 6 59 | 1 24 | 21 3 | 0 38 | 15 44 | 2 35 | 18 28 | 0 22 | 16 52 | 0 23 | 6 39 | 14 57 | 11 42 | 12 2 | 8 25 | 8 10 | 1 37 |
| T 28 | 14 18 | 15 49 | 5 1 | 3 2 | 1 53 | 15 18 | 0 47 | 6 41 | 1 25 | 21 5 | 0 37 | 15 43 | 2 35 | 18 27 | 0 21 | 16 52 | 0 23 | 6 39 | 14 57 | 11 46 | 12 3 | 8 27 | 8 8 | 1 37 |
| F 29 | 14 37 | 18 4 | 4 45 | 3 9 | 2 2 | 15 41 | 0 45 | 6 24 | 1 25 | 21 7 | 0 37 | 15 42 | 2 35 | 18 27 | 0 21 | 16 52 | 0 23 | 6 38 | 14 57 | 11 49 | 12 4 | 8 29 | 8 6 | 1 36 |
| S 30 | 14n55 | 19s 6 | 4n11 | 3n19 | 2s10 | 16n 4 | 0s43 | 6s 7 | 1s26 | 21n 9 | 0s37 | 15s41 | 2n35 | 18s26 | 0n21 | 16s52 | 0n23 | 6s38 | 14n57 | 11n51 | 12n 5 | 8n31 | 8s 4 | 1s36 |

Julian Day Number = 2811399.5, Delta T = 53m17s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°31'56, Lahiri = 37°38'57


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# ASTRODIENST EPHEMERIS for the year 2985
# geocentric

## MAY 2985 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 38 55 | 11♉33'27 | 16♋52 | 14♈21 | 18♉ 2 | 18♓33 | 9♊49 | 21°R57 | 24°R26 | 11♒33 | 7°R11 | 28°R39 | 28♌ 0 | 4♉40 | 16°R46 | S 1 |
| M 2 | 14 42 51 | 12°32'12 | 0♒21 | 15°13 | 19°17 | 19°19 | 10° 2 | 21♏53 | 24♏23 | 11°33 | 7♐ 9 | 28♌37 | 27°57 | 4°46 | 16♎42 | M 2 |
| T 3 | 14 46 48 | 13°30'55 | 13°23 | 16° 8 | 20°31 | 20° 5 | 10°16 | 21°48 | 24°21 | 11°34 | 7° 8 | 28°D36 | 27°54 | 4°53 | 16°38 | T 3 |
| W 4 | 14 50 45 | 14°29'37 | 26° 1 | 17° 6 | 21°45 | 20°50 | 10°29 | 21°43 | 24°18 | 11°34 | 7° 6 | 28°R36 | 27°51 | 5° 0 | 16°34 | W 4 |
| T 5 | 14 54 41 | 15°28'17 | 8♓21 | 18° 7 | 22°59 | 21°36 | 10°43 | 21°39 | 24°16 | 11°34 | 7° 5 | 28°36 | 27°47 | 5° 6 | 16°30 | T 5 |
| F 6 | 14 58 38 | 16°26'55 | 20°28 | 19°10 | 24°13 | 22°21 | 10°56 | 21°34 | 24°13 | 11°34 | 7° 3 | 28°34 | 27°44 | 5°13 | 16°27 | F 6 |
| S 7 | 15 2 34 | 17°25'32 | 2♈25 | 20°16 | 25°28 | 23° 7 | 11°10 | 21°30 | 24°11 | 11°35 | 7° 2 | 28°30 | 27°41 | 5°20 | 16°23 | S 7 |
| S 8 | 15 6 31 | 18°24'07 | 14°17 | 21°25 | 26°42 | 23°53 | 11°23 | 21°25 | 24° 8 | 11°35 | 7° 0 | 28°23 | 27°38 | 5°26 | 16°20 | S 8 |
| M 9 | 15 10 27 | 19°22'40 | 26° 7 | 22°36 | 27°56 | 24°38 | 11°37 | 21°21 | 24° 6 | 11°35 | 6°58 | 28°13 | 27°35 | 5°33 | 16°16 | M 9 |
| T 10 | 15 14 24 | 20°21'12 | 7♉58 | 23°50 | 29°10 | 25°24 | 11°51 | 21°16 | 24° 3 | 11°35 | 6°57 | 28° 1 | 27°32 | 5°40 | 16°13 | T 10 |
| W11 | 15 18 20 | 21°19'42 | 19°51 | 25° 6 | 0♊24 | 26° 9 | 12° 4 | 21°12 | 24° 1 | 11°35 | 6°55 | 27°47 | 27°28 | 5°47 | 16° 9 | W11 |
| T 12 | 15 22 17 | 22°18'10 | 1♊47 | 26°24 | 1°38 | 26°55 | 12°18 | 21° 7 | 23°58 | 11°35 | 6°54 | 27°33 | 27°25 | 5°53 | 16° 6 | T 12 |
| F 13 | 15 26 14 | 23°16'36 | 13°49 | 27°44 | 2°52 | 27°41 | 12°32 | 21° 2 | 23°56 | 11°R35 | 6°52 | 27°19 | 27°22 | 6° 0 | 16° 3 | F 13 |
| S 14 | 15 30 10 | 24°15'01 | 25°56 | 29° 6 | 4° 6 | 28°26 | 12°46 | 20°58 | 23°53 | 11°35 | 6°50 | 27° 7 | 27°19 | 6° 7 | 16° 0 | S 14 |
| S 15 | 15 34 7 | 25°13'23 | 8♋12 | 0♉31 | 5°20 | 29°12 | 12°59 | 20°53 | 23°50 | 11°35 | 6°49 | 26°58 | 27°16 | 6°13 | 15°57 | S 15 |
| M16 | 15 38 3 | 26°11'44 | 20°38 | 1°57 | 6°34 | 29°57 | 13°13 | 20°49 | 23°48 | 11°35 | 6°47 | 26°52 | 27°13 | 6°20 | 15°54 | M16 |
| T 17 | 15 42 0 | 27°10'02 | 3♌17 | 3°26 | 7°48 | 0♈43 | 13°27 | 20°44 | 23°45 | 11°35 | 6°46 | 26°49 | 27° 9 | 6°27 | 15°51 | T 17 |
| W18 | 15 45 56 | 28° 8'19 | 16°12 | 4°56 | 9° 2 | 1°28 | 13°41 | 20°40 | 23°43 | 11°35 | 6°44 | 26°47 | 27° 6 | 6°34 | 15°49 | W18 |
| T 19 | 15 49 53 | 29° 6'33 | 29°26 | 6°29 | 10°16 | 2°14 | 13°55 | 20°35 | 23°40 | 11°35 | 6°42 | 26°47 | 27° 3 | 6°40 | 15°46 | T 19 |
| F 20 | 15 53 49 | 0♊ 4'46 | 13♍ 3 | 8° 3 | 11°30 | 2°59 | 14° 9 | 20°31 | 23°38 | 11°34 | 6°41 | 26°47 | 27° 0 | 6°47 | 15°44 | F 20 |
| S 21 | 15 57 46 | 1° 2'56 | 27° 5 | 9°39 | 12°44 | 3°45 | 14°23 | 20°26 | 23°35 | 11°34 | 6°39 | 26°45 | 26°57 | 6°54 | 15°41 | S 21 |
| S 22 | 16 1 43 | 2° 1'05 | 11♎31 | 11°17 | 13°57 | 4°30 | 14°37 | 20°22 | 23°33 | 11°34 | 6°37 | 26°41 | 26°53 | 7° 0 | 15°39 | S 22 |
| M23 | 16 5 39 | 2°59'12 | 26°20 | 12°58 | 15°11 | 5°16 | 14°51 | 20°17 | 23°30 | 11°34 | 6°36 | 26°35 | 26°50 | 7° 7 | 15°37 | M23 |
| T 24 | 16 9 36 | 3°57'17 | 11♏25 | 14°40 | 16°25 | 6° 1 | 15° 5 | 20°13 | 23°28 | 11°33 | 6°34 | 26°26 | 26°47 | 7°14 | 15°35 | T 24 |
| W25 | 16 13 32 | 4°55'20 | 26°37 | 16°24 | 17°39 | 6°46 | 15°19 | 20° 8 | 23°25 | 11°33 | 6°32 | 26°16 | 26°44 | 7°21 | 15°33 | W25 |
| T 26 | 16 17 29 | 5°53'22 | 11♐46 | 18°10 | 18°53 | 7°32 | 15°33 | 20° 4 | 23°23 | 11°32 | 6°31 | 26° 5 | 26°41 | 7°27 | 15°31 | T 26 |
| F 27 | 16 21 25 | 6°51'22 | 26°41 | 19°58 | 20° 6 | 8°17 | 15°47 | 20° 0 | 23°20 | 11°32 | 6°29 | 25°55 | 26°38 | 7°34 | 15°29 | F 27 |
| S 28 | 16 25 22 | 7°49'20 | 11♑13 | 21°47 | 21°20 | 9° 2 | 16° 1 | 19°56 | 23°18 | 11°32 | 6°27 | 25°47 | 26°34 | 7°41 | 15°27 | S 28 |
| S 29 | 16 29 18 | 8°47'18 | 25°18 | 23°39 | 22°34 | 9°48 | 16°15 | 19°51 | 23°15 | 11°31 | 6°25 | 25°41 | 26°31 | 7°47 | 15°26 | S 29 |
| M30 | 16 33 15 | 9°45'14 | 8♒54 | 25°33 | 23°47 | 10°33 | 16°29 | 19°47 | 23°13 | 11°31 | 6°24 | 25°38 | 26°28 | 7°54 | 15°24 | M30 |
| T 31 | 16 37 12 | 10♊43'09 | 22♒ 1 | 27♉29 | 25♊ 1 | 11♈18 | 16♊44 | 19♏43 | 23♏11 | 11♒30 | 6♐22 | 25°D37 | 26♌25 | 8♉ 1 | 15♎23 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n13 | 18s54 | 3n22 | 3n31 | 2s17 | 16n27 | 0s41 | 5s49 | 1s26 | 21n11 | 0s37 | 15s39 | 2n35 | 18s26 | 0n21 | 16s52 | 0n23 | 6s37 | 14n57 | 11n53 | 12n 6 | 8n33 | 8s 2 | 1s35 |
| M 2 | 15 31 | 17 37 | 2 24 | 3 45 | 2 24 | 16 49 | 0 39 | 5 32 | 1 27 | 21 14 | 0 37 | 15 38 | 2 35 | 18 25 | 0 21 | 16 52 | 0 23 | 6 37 | 14 57 | 11 54 | 12 7 | 8 35 | 8 0 | 1 35 |
| T 3 | 15 49 | 15 26 | 1 20 | 4 0 | 2 30 | 17 11 | 0 37 | 5 15 | 1 27 | 21 16 | 0 37 | 15 37 | 2 35 | 18 25 | 0 21 | 16 51 | 0 23 | 6 37 | 14 58 | 11 54 | 12 8 | 8 36 | 7 58 | 1 35 |
| W 4 | 16 6 | 12 34 | 0 14 | 4 17 | 2 35 | 17 33 | 0 35 | 4 57 | 1 27 | 21 18 | 0 37 | 15 36 | 2 35 | 18 24 | 0 21 | 16 51 | 0 23 | 6 36 | 14 58 | 11 54 | 12 9 | 8 38 | 7 56 | 1 34 |
| T 5 | 16 23 | 9 11 | 0s51 | 4 36 | 2 40 | 17 54 | 0 33 | 4 40 | 1 28 | 21 20 | 0 37 | 15 35 | 2 35 | 18 23 | 0 21 | 16 51 | 0 23 | 6 36 | 14 58 | 11 54 | 12 11 | 8 40 | 7 54 | 1 34 |
| F 6 | 16 40 | 5 30 | 1 53 | 4 56 | 2 44 | 18 14 | 0 30 | 4 22 | 1 28 | 21 22 | 0 36 | 15 34 | 2 35 | 18 23 | 0 21 | 16 51 | 0 23 | 6 36 | 14 58 | 11 54 | 12 12 | 8 42 | 7 52 | 1 33 |
| S 7 | 16 56 | 1 38 | 2 49 | 5 17 | 2 48 | 18 34 | 0 28 | 4 5 | 1 29 | 21 24 | 0 36 | 15 33 | 2 35 | 18 22 | 0 21 | 16 51 | 0 23 | 6 35 | 14 58 | 11 56 | 12 13 | 8 44 | 7 50 | 1 33 |
| S 8 | 17 13 | 2n16 | 3 37 | 5 40 | 2 50 | 18 54 | 0 26 | 3 47 | 1 29 | 21 26 | 0 36 | 15 31 | 2 35 | 18 21 | 0 21 | 16 51 | 0 23 | 6 35 | 14 58 | 11 58 | 12 14 | 8 46 | 7 48 | 1 32 |
| M 9 | 17 29 | 6 4 | 4 15 | 6 4 | 2 53 | 19 13 | 0 24 | 3 29 | 1 29 | 21 28 | 0 36 | 15 30 | 2 35 | 18 21 | 0 21 | 16 51 | 0 23 | 6 35 | 14 58 | 12 2 | 12 15 | 8 48 | 7 47 | 1 32 |
| T 10 | 17 44 | 9 38 | 4 42 | 6 30 | 2 54 | 19 31 | 0 21 | 3 12 | 1 30 | 21 30 | 0 36 | 15 29 | 2 35 | 18 20 | 0 21 | 16 51 | 0 23 | 6 34 | 14 58 | 12 6 | 12 16 | 8 50 | 7 45 | 1 31 |
| W11 | 18 0 | 12 50 | 4 57 | 6 56 | 2 55 | 19 49 | 0 19 | 2 54 | 1 30 | 21 31 | 0 36 | 15 28 | 2 35 | 18 20 | 0 21 | 16 51 | 0 23 | 6 34 | 14 59 | 12 11 | 12 17 | 8 51 | 7 43 | 1 31 |
| T 12 | 18 15 | 15 31 | 4 59 | 7 24 | 2 56 | 20 6 | 0 16 | 2 36 | 1 31 | 21 33 | 0 36 | 15 27 | 2 35 | 18 19 | 0 21 | 16 51 | 0 23 | 6 34 | 14 59 | 12 16 | 12 18 | 8 53 | 7 41 | 1 30 |
| F 13 | 18 29 | 17 34 | 4 48 | 7 53 | 2 56 | 20 23 | 0 14 | 2 19 | 1 31 | 21 35 | 0 36 | 15 26 | 2 35 | 18 18 | 0 21 | 16 51 | 0 23 | 6 33 | 14 59 | 12 20 | 12 19 | 8 55 | 7 40 | 1 30 |
| S 14 | 18 44 | 18 52 | 4 23 | 8 22 | 2 55 | 20 40 | 0 12 | 2 1 | 1 31 | 21 37 | 0 35 | 15 24 | 2 35 | 18 18 | 0 21 | 16 51 | 0 23 | 6 33 | 14 59 | 12 24 | 12 20 | 8 57 | 7 38 | 1 29 |
| S 15 | 18 58 | 19 17 | 3 46 | 8 53 | 2 54 | 20 55 | 0 9 | 1 43 | 1 32 | 21 39 | 0 35 | 15 23 | 2 35 | 18 17 | 0 21 | 16 51 | 0 23 | 6 33 | 14 59 | 12 27 | 12 21 | 8 59 | 7 36 | 1 29 |
| M16 | 19 12 | 18 48 | 2 58 | 9 24 | 2 52 | 21 11 | 0 7 | 1 26 | 1 32 | 21 41 | 0 35 | 15 22 | 2 35 | 18 17 | 0 21 | 16 51 | 0 23 | 6 32 | 14 59 | 12 29 | 12 22 | 9 1 | 7 35 | 1 28 |
| T 17 | 19 25 | 17 21 | 2 1 | 9 56 | 2 49 | 21 25 | 0 4 | 1 8 | 1 32 | 21 43 | 0 35 | 15 21 | 2 35 | 18 16 | 0 21 | 16 51 | 0 23 | 6 32 | 14 59 | 12 31 | 12 24 | 9 3 | 7 33 | 1 28 |
| W18 | 19 38 | 15 1 | 0 56 | 10 29 | 2 46 | 21 39 | 0 2 | 0 50 | 1 33 | 21 44 | 0 35 | 15 20 | 2 35 | 18 15 | 0 21 | 16 51 | 0 23 | 6 32 | 14 59 | 12 31 | 12 25 | 9 4 | 7 32 | 1 27 |
| T 19 | 19 51 | 11 50 | 0n14 | 11 2 | 2 43 | 21 53 | 0n 1 | 0 32 | 1 33 | 21 46 | 0 35 | 15 19 | 2 35 | 18 15 | 0 21 | 16 51 | 0 23 | 6 32 | 14 59 | 12 31 | 12 26 | 9 6 | 7 30 | 1 27 |
| F 20 | 20 3 | 7 56 | 1 25 | 11 37 | 2 39 | 22 5 | 0 3 | 0 15 | 1 33 | 21 48 | 0 35 | 15 18 | 2 35 | 18 14 | 0 21 | 16 51 | 0 23 | 6 31 | 14 59 | 12 31 | 12 27 | 9 8 | 7 29 | 1 26 |
| S 21 | 20 15 | 3 30 | 2 33 | 12 11 | 2 34 | 22 17 | 0 5 | 0n 3 | 1 33 | 21 50 | 0 35 | 15 17 | 2 34 | 18 13 | 0 21 | 16 51 | 0 23 | 6 31 | 14 59 | 12 32 | 12 28 | 9 10 | 7 28 | 1 26 |
| S 22 | 20 27 | 1s16 | 3 33 | 12 46 | 2 29 | 22 29 | 0 8 | 0 21 | 1 34 | 21 51 | 0 35 | 15 16 | 2 34 | 18 13 | 0 21 | 16 51 | 0 23 | 6 31 | 14 59 | 12 33 | 12 29 | 9 12 | 7 26 | 1 25 |
| M23 | 20 39 | 6 4 | 4 20 | 13 22 | 2 23 | 22 40 | 0 10 | 0 38 | 1 34 | 21 53 | 0 35 | 15 14 | 2 34 | 18 12 | 0 21 | 16 51 | 0 23 | 6 31 | 14 59 | 12 35 | 12 30 | 9 14 | 7 25 | 1 25 |
| T 24 | 20 49 | 10 34 | 4 50 | 13 57 | 2 17 | 22 50 | 0 13 | 0 56 | 1 34 | 21 55 | 0 34 | 15 13 | 2 34 | 18 12 | 0 21 | 16 52 | 0 23 | 6 30 | 14 59 | 12 38 | 12 31 | 9 16 | 7 24 | 1 24 |
| W25 | 21 0 | 14 25 | 5 1 | 14 34 | 2 11 | 23 0 | 0 15 | 1 14 | 1 35 | 21 56 | 0 34 | 15 12 | 2 34 | 18 11 | 0 21 | 16 52 | 0 23 | 6 30 | 14 59 | 12 42 | 12 32 | 9 17 | 7 22 | 1 24 |
| T 26 | 21 10 | 17 17 | 4 50 | 15 10 | 2 4 | 23 9 | 0 18 | 1 31 | 1 35 | 21 58 | 0 34 | 15 11 | 2 34 | 18 10 | 0 21 | 16 52 | 0 23 | 6 30 | 14 59 | 12 45 | 12 33 | 9 19 | 7 21 | 1 23 |
| F 27 | 21 20 | 18 57 | 4 19 | 15 46 | 1 56 | 23 17 | 0 20 | 1 49 | 1 35 | 21 59 | 0 34 | 15 10 | 2 34 | 18 10 | 0 21 | 16 52 | 0 23 | 6 30 | 14 59 | 12 49 | 12 34 | 9 21 | 7 20 | 1 23 |
| S 28 | 21 30 | 19 19 | 3 32 | 16 22 | 1 48 | 23 24 | 0 23 | 2 6 | 1 35 | 22 1 | 0 34 | 15 9 | 2 34 | 18 9 | 0 21 | 16 52 | 0 23 | 6 30 | 14 59 | 12 51 | 12 35 | 9 23 | 7 19 | 1 22 |
| S 29 | 21 39 | 18 27 | 2 33 | 16 58 | 1 40 | 23 31 | 0 25 | 2 24 | 1 35 | 22 3 | 0 34 | 15 8 | 2 34 | 18 9 | 0 21 | 16 52 | 0 23 | 6 29 | 14 59 | 12 53 | 12 36 | 9 25 | 7 18 | 1 22 |
| M30 | 21 48 | 16 32 | 1 27 | 17 34 | 1 31 | 23 37 | 0 28 | 2 41 | 1 36 | 22 4 | 0 34 | 15 7 | 2 34 | 18 8 | 0 21 | 16 52 | 0 23 | 6 29 | 14 59 | 12 54 | 12 38 | 9 27 | 7 17 | 1 21 |
| T 31 | 21n56 | 13s48 | 0n19 | 18n 9 | 1s22 | 23n43 | 0n30 | 2n59 | 1s36 | 22n 6 | 0s34 | 15s 6 | 2n33 | 18s 7 | 0n21 | 16s52 | 0n23 | 6s29 | 14n58 | 12n55 | 12n39 | 9n29 | 7s16 | 1s20 |

Julian Day Number = 2811429.5, Delta T = 53m17s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'00, Lahiri = 37°39'01


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# ASTRODIENST EPHEMERIS for the year 2985
# geocentric

## JUNE 2985 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 41 8 | 11♊41'02 | 4♓43 | 29♉26 | 26♊15 | 12♈ 4 | 16♊58 | 19°R39 | 23°R 8 | 11°R29 | 6°R20 | 25♌37 | 26♌22 | 8♉ 8 | 15°R21 | W 1 |
| T 2 | 16 45 5 | 12°38'55 | 17° 5 | 1♊26 | 27°28 | 12°49 | 17°12 | 19♏35 | 23♏ 6 | 11♒29 | 6♐19 | 25°R38 | 26°19 | 8°14 | 15♎20 | T 2 |
| F 3 | 16 49 1 | 13°36'46 | 29°12 | 3°27 | 28°42 | 13°34 | 17°26 | 19°31 | 23° 3 | 11°28 | 6°17 | 25°36 | 26°15 | 8°21 | 15°19 | F 3 |
| S 4 | 16 52 58 | 14°34'36 | 11♈ 9 | 5°30 | 29°55 | 14°19 | 17°40 | 19°27 | 23° 1 | 11°27 | 6°15 | 25°33 | 26°12 | 8°28 | 15°18 | S 4 |
| S 5 | 16 56 54 | 15°32'25 | 23° 0 | 7°35 | 1♋ 9 | 15° 4 | 17°54 | 19°23 | 22°59 | 11°27 | 6°14 | 25°28 | 26° 9 | 8°34 | 15°17 | S 5 |
| M 6 | 17 0 51 | 16°30'13 | 4♉50 | 9°42 | 2°23 | 15°50 | 18° 8 | 19°19 | 22°57 | 11°26 | 6°12 | 25°20 | 26° 6 | 8°41 | 15°17 | M 6 |
| T 7 | 17 4 47 | 17°28'00 | 16°42 | 11°49 | 3°36 | 16°35 | 18°22 | 19°16 | 22°54 | 11°25 | 6°11 | 25° 9 | 26° 3 | 8°48 | 15°16 | T 7 |
| W 8 | 17 8 44 | 18°25'46 | 28°39 | 13°58 | 4°50 | 17°20 | 18°37 | 19°12 | 22°52 | 11°25 | 6° 9 | 24°58 | 25°59 | 8°55 | 15°16 | W 8 |
| T 9 | 17 12 41 | 19°23'30 | 10♊42 | 16° 8 | 6° 3 | 18° 5 | 18°51 | 19° 8 | 22°50 | 11°24 | 6° 7 | 24°45 | 25°56 | 9° 1 | 15°15 | T 9 |
| F 10 | 17 16 37 | 20°21'13 | 22°53 | 18°19 | 7°17 | 18°50 | 19° 5 | 19° 5 | 22°48 | 11°23 | 6° 6 | 24°34 | 25°53 | 9° 8 | 15°15 | F 10 |
| S 11 | 17 20 34 | 21°18'55 | 5♋13 | 20°31 | 8°30 | 19°35 | 19°19 | 19° 1 | 22°46 | 11°22 | 6° 4 | 24°24 | 25°50 | 9°15 | 15°15 | S 11 |
| S 12 | 17 24 30 | 22°16'36 | 17°42 | 22°43 | 9°43 | 20°20 | 19°33 | 18°58 | 22°43 | 11°21 | 6° 2 | 24°16 | 25°47 | 9°22 | 15°D15 | S 12 |
| M13 | 17 28 27 | 23°14'16 | 0♌22 | 24°55 | 10°57 | 21° 4 | 19°47 | 18°54 | 22°41 | 11°20 | 6° 1 | 24°11 | 25°44 | 9°28 | 15°15 | M13 |
| T 14 | 17 32 23 | 24°11'54 | 13°13 | 27° 7 | 12°10 | 21°49 | 20° 1 | 18°51 | 22°39 | 11°19 | 5°59 | 24° 8 | 25°40 | 9°35 | 15°15 | T 14 |
| W15 | 17 36 20 | 25° 9'31 | 26°18 | 29°19 | 13°24 | 22°34 | 20°15 | 18°48 | 22°37 | 11°18 | 5°58 | 24°D 8 | 25°37 | 9°42 | 15°15 | W15 |
| T 16 | 17 40 17 | 26° 7'06 | 9♍38 | 1♋30 | 14°37 | 23°19 | 20°30 | 18°44 | 22°35 | 11°17 | 5°56 | 24° 9 | 25°34 | 9°48 | 15°16 | T 16 |
| F 17 | 17 44 13 | 27° 4'41 | 23°15 | 3°40 | 15°50 | 24° 3 | 20°44 | 18°41 | 22°33 | 11°16 | 5°55 | 24°R 9 | 25°31 | 9°55 | 15°16 | F 17 |
| S 18 | 17 48 10 | 28° 2'13 | 7♎10 | 5°48 | 17° 4 | 24°48 | 20°58 | 18°38 | 22°31 | 11°15 | 5°53 | 24° 9 | 25°28 | 10° 2 | 15°17 | S 18 |
| S 19 | 17 52 6 | 28°59'45 | 21°25 | 7°55 | 18°17 | 25°33 | 21°12 | 18°35 | 22°29 | 11°14 | 5°52 | 24° 7 | 25°25 | 10° 9 | 15°18 | S 19 |
| M20 | 17 56 3 | 29°57'15 | 5♏56 | 10° 1 | 19°30 | 26°17 | 21°26 | 18°33 | 22°28 | 11°13 | 5°50 | 24° 3 | 25°21 | 10°15 | 15°19 | M20 |
| T 21 | 17 59 59 | 0♋54'44 | 20°40 | 12° 5 | 20°43 | 27° 2 | 21°40 | 18°30 | 22°26 | 11°12 | 5°49 | 23°57 | 25°18 | 10°22 | 15°20 | T 21 |
| W22 | 18 3 56 | 1°52'12 | 5♐31 | 14° 7 | 21°57 | 27°46 | 21°54 | 18°27 | 22°24 | 11°11 | 5°47 | 23°49 | 25°15 | 10°29 | 15°21 | W22 |
| T 23 | 18 7 52 | 2°49'39 | 20°20 | 16° 6 | 23°10 | 28°31 | 22° 8 | 18°24 | 22°22 | 11°10 | 5°46 | 23°41 | 25°12 | 10°35 | 15°22 | T 23 |
| F 24 | 18 11 49 | 3°47'05 | 5♑ 0 | 18° 4 | 24°23 | 29°15 | 22°22 | 18°22 | 22°21 | 11° 8 | 5°44 | 23°34 | 25° 9 | 10°42 | 15°23 | F 24 |
| S 25 | 18 15 46 | 4°44'30 | 19°22 | 19°59 | 25°36 | 29°59 | 22°36 | 18°19 | 22°19 | 11° 7 | 5°43 | 23°29 | 25° 5 | 10°49 | 15°25 | S 25 |
| S 26 | 18 19 42 | 5°41'54 | 3♒22 | 21°52 | 26°49 | 0♉44 | 22°50 | 18°17 | 22°17 | 11° 6 | 5°42 | 23°25 | 25° 2 | 10°56 | 15°26 | S 26 |
| M27 | 18 23 39 | 6°39'18 | 16°57 | 23°43 | 28° 2 | 1°28 | 23° 4 | 18°15 | 22°16 | 11° 5 | 5°40 | 23°23 | 24°59 | 11° 2 | 15°28 | M27 |
| T 28 | 18 27 35 | 7°36'41 | 0♓ 6 | 25°31 | 29°15 | 2°12 | 23°17 | 18°13 | 22°14 | 11° 3 | 5°39 | 23°D23 | 24°56 | 11° 9 | 15°30 | T 28 |
| W29 | 18 31 32 | 8°34'04 | 12°52 | 27°16 | 0♌28 | 2°56 | 23°31 | 18°11 | 22°13 | 11° 2 | 5°37 | 23°24 | 24°53 | 11°16 | 15°32 | W29 |
| T 30 | 18 35 28 | 9♋31'26 | 25♓17 | 28♋59 | 1♌41 | 3♉40 | 23♊45 | 18♏ 8 | 22♏11 | 11♒ 1 | 5♐36 | 23♌26 | 24♌50 | 11♉22 | 15♎34 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n 4 | 10s29 | 0s48 | 18n44 | 1s13 | 23n48 | 0n32 | 3n16 | 1s36 | 22n 7 | 0s34 | 15s 5 | 2n33 | 18s 7 | 0n21 | 16s53 | 0n23 | 6s29 | 14n58 | 12n55 | 12n40 | 9n30 | 7s15 | 1s20 |
| T 2 | 22 11 | 6 47 | 1 51 | 19 18 | 1 3 | 23 52 | 0 35 | 3 33 | 1 36 | 22 8 | 0 34 | 15 4 | 2 33 | 18 6 | 0 21 | 16 53 | 0 23 | 6 29 | 14 58 | 12 55 | 12 41 | 9 32 | 7 14 | 1 19 |
| F 3 | 22 19 | 2 53 | 2 48 | 19 52 | 0 53 | 23 55 | 0 37 | 3 51 | 1 36 | 22 10 | 0 33 | 15 4 | 2 33 | 18 6 | 0 21 | 16 53 | 0 23 | 6 29 | 14 58 | 12 55 | 12 42 | 9 34 | 7 13 | 1 19 |
| S 4 | 22 25 | 1n 3 | 3 37 | 20 24 | 0 43 | 23 58 | 0 40 | 4 8 | 1 37 | 22 11 | 0 33 | 15 3 | 2 33 | 18 5 | 0 21 | 16 53 | 0 23 | 6 28 | 14 58 | 12 56 | 12 43 | 9 36 | 7 12 | 1 18 |
| S 5 | 22 32 | 4 56 | 4 16 | 20 55 | 0 33 | 24 0 | 0 42 | 4 25 | 1 37 | 22 13 | 0 33 | 15 2 | 2 33 | 18 5 | 0 21 | 16 53 | 0 23 | 6 28 | 14 58 | 12 58 | 12 44 | 9 38 | 7 11 | 1 18 |
| M 6 | 22 38 | 8 36 | 4 43 | 21 25 | 0 22 | 24 1 | 0 44 | 4 42 | 1 37 | 22 14 | 0 33 | 15 1 | 2 33 | 18 4 | 0 21 | 16 53 | 0 23 | 6 28 | 14 58 | 13 1 | 12 45 | 9 40 | 7 11 | 1 17 |
| T 7 | 22 43 | 11 57 | 4 59 | 21 54 | 0 11 | 24 2 | 0 46 | 4 59 | 1 37 | 22 15 | 0 33 | 15 0 | 2 32 | 18 4 | 0 21 | 16 54 | 0 23 | 6 28 | 14 58 | 13 4 | 12 46 | 9 41 | 7 10 | 1 17 |
| W 8 | 22 49 | 14 51 | 5 1 | 22 20 | 0 1 | 24 2 | 0 49 | 5 16 | 1 37 | 22 17 | 0 33 | 14 59 | 2 32 | 18 3 | 0 21 | 16 54 | 0 23 | 6 28 | 14 57 | 13 8 | 12 47 | 9 43 | 7 9 | 1 16 |
| T 9 | 22 53 | 17 8 | 4 51 | 22 45 | 0n10 | 24 1 | 0 51 | 5 33 | 1 37 | 22 18 | 0 33 | 14 58 | 2 32 | 18 2 | 0 21 | 16 54 | 0 23 | 6 28 | 14 57 | 13 12 | 12 48 | 9 45 | 7 9 | 1 16 |
| F 10 | 22 58 | 18 41 | 4 27 | 23 8 | 0 20 | 24 0 | 0 53 | 5 50 | 1 37 | 22 19 | 0 33 | 14 58 | 2 32 | 18 2 | 0 21 | 16 54 | 0 23 | 6 28 | 14 57 | 13 16 | 12 49 | 9 47 | 7 8 | 1 15 |
| S 11 | 23 2 | 19 23 | 3 50 | 23 29 | 0 30 | 23 57 | 0 55 | 6 7 | 1 37 | 22 20 | 0 33 | 14 57 | 2 32 | 18 1 | 0 21 | 16 55 | 0 23 | 6 28 | 14 57 | 13 19 | 12 50 | 9 49 | 7 8 | 1 15 |
| S 12 | 23 5 | 19 9 | 3 1 | 23 47 | 0 40 | 23 54 | 0 57 | 6 24 | 1 37 | 22 21 | 0 33 | 14 56 | 2 32 | 18 1 | 0 21 | 16 55 | 0 23 | 6 28 | 14 57 | 13 22 | 12 51 | 9 51 | 7 7 | 1 14 |
| M13 | 23 8 | 17 57 | 2 3 | 24 3 | 0 50 | 23 51 | 0 59 | 6 40 | 1 38 | 22 23 | 0 33 | 14 55 | 2 31 | 18 0 | 0 21 | 16 55 | 0 23 | 6 28 | 14 56 | 13 23 | 12 53 | 9 53 | 7 7 | 1 14 |
| T 14 | 23 11 | 15 50 | 0 58 | 24 16 | 0 59 | 23 47 | 1 1 | 6 57 | 1 38 | 22 24 | 0 33 | 14 55 | 2 31 | 18 0 | 0 21 | 16 55 | 0 23 | 6 28 | 14 56 | 13 24 | 12 54 | 9 54 | 7 6 | 1 13 |
| W15 | 23 13 | 12 52 | 0n12 | 24 26 | 1 8 | 23 42 | 1 3 | 7 13 | 1 38 | 22 25 | 0 32 | 14 54 | 2 31 | 17 59 | 0 21 | 16 56 | 0 23 | 6 28 | 14 56 | 13 24 | 12 55 | 9 56 | 7 6 | 1 13 |
| T 16 | 23 15 | 9 11 | 1 22 | 24 34 | 1 16 | 23 36 | 1 5 | 7 30 | 1 38 | 22 26 | 0 32 | 14 53 | 2 31 | 17 59 | 0 21 | 16 56 | 0 23 | 6 28 | 14 56 | 13 24 | 12 56 | 9 58 | 7 6 | 1 12 |
| F 17 | 23 17 | 4 57 | 2 29 | 24 39 | 1 24 | 23 29 | 1 7 | 7 46 | 1 38 | 22 27 | 0 32 | 14 53 | 2 31 | 17 58 | 0 21 | 16 56 | 0 23 | 6 28 | 14 55 | 13 24 | 12 57 | 10 0 | 7 5 | 1 12 |
| S 18 | 23 18 | 0 23 | 3 29 | 24 42 | 1 31 | 23 22 | 1 9 | 8 2 | 1 38 | 22 28 | 0 32 | 14 52 | 2 30 | 17 58 | 0 21 | 16 56 | 0 23 | 6 28 | 14 55 | 13 24 | 12 58 | 10 2 | 7 5 | 1 11 |
| S 19 | 23 18 | 4s19 | 4 18 | 24 41 | 1 37 | 23 15 | 1 11 | 8 18 | 1 38 | 22 29 | 0 32 | 14 51 | 2 30 | 17 57 | 0 21 | 16 57 | 0 23 | 6 28 | 14 55 | 13 25 | 12 59 | 10 4 | 7 5 | 1 11 |
| M20 | 23 19 | 8 51 | 4 51 | 24 38 | 1 43 | 23 6 | 1 13 | 8 34 | 1 38 | 22 30 | 0 32 | 14 51 | 2 30 | 17 57 | 0 21 | 16 57 | 0 23 | 6 28 | 14 55 | 13 26 | 13 0 | 10 5 | 7 5 | 1 10 |
| T 21 | 23 18 | 12 54 | 5 6 | 24 33 | 1 47 | 22 57 | 1 15 | 8 50 | 1 38 | 22 31 | 0 32 | 14 50 | 2 30 | 17 57 | 0 21 | 16 57 | 0 23 | 6 28 | 14 54 | 13 28 | 13 1 | 10 7 | 7 5 | 1 10 |
| W22 | 23 18 | 16 11 | 5 0 | 24 25 | 1 51 | 22 47 | 1 16 | 9 6 | 1 38 | 22 32 | 0 32 | 14 50 | 2 30 | 17 56 | 0 21 | 16 58 | 0 23 | 6 28 | 14 54 | 13 30 | 13 2 | 10 9 | 7 5 | 1 9 |
| T 23 | 23 17 | 18 24 | 4 34 | 24 15 | 1 55 | 22 37 | 1 18 | 9 22 | 1 38 | 22 33 | 0 32 | 14 49 | 2 29 | 17 56 | 0 21 | 16 58 | 0 23 | 6 28 | 14 54 | 13 33 | 13 3 | 10 11 | 7 5 | 1 9 |
| F 24 | 23 15 | 19 23 | 3 50 | 24 2 | 1 57 | 22 26 | 1 20 | 9 38 | 1 37 | 22 34 | 0 32 | 14 49 | 2 29 | 17 55 | 0 21 | 16 58 | 0 23 | 6 28 | 14 54 | 13 35 | 13 4 | 10 13 | 7 5 | 1 8 |
| S 25 | 23 13 | 19 4 | 2 53 | 23 48 | 1 59 | 22 14 | 1 21 | 9 53 | 1 37 | 22 35 | 0 32 | 14 48 | 2 29 | 17 55 | 0 21 | 16 59 | 0 23 | 6 28 | 14 53 | 13 37 | 13 5 | 10 15 | 7 5 | 1 8 |
| S 26 | 23 11 | 17 35 | 1 46 | 23 31 | 2 0 | 22 2 | 1 23 | 10 9 | 1 37 | 22 35 | 0 32 | 14 48 | 2 29 | 17 55 | 0 21 | 16 59 | 0 23 | 6 28 | 14 53 | 13 38 | 13 6 | 10 16 | 7 5 | 1 7 |
| M27 | 23 9 | 15 7 | 0 35 | 23 13 | 2 0 | 21 49 | 1 24 | 10 24 | 1 37 | 22 36 | 0 32 | 14 47 | 2 28 | 17 54 | 0 21 | 16 59 | 0 23 | 6 28 | 14 53 | 13 39 | 13 7 | 10 18 | 7 5 | 1 7 |
| T 28 | 23 6 | 11 56 | 0s36 | 22 53 | 2 0 | 21 35 | 1 26 | 10 39 | 1 37 | 22 37 | 0 32 | 14 47 | 2 28 | 17 54 | 0 21 | 17 0 | 0 23 | 6 28 | 14 52 | 13 39 | 13 8 | 10 20 | 7 5 | 1 6 |
| W29 | 23 2 | 8 17 | 1 43 | 22 32 | 1 58 | 21 21 | 1 27 | 10 54 | 1 37 | 22 38 | 0 31 | 14 47 | 2 28 | 17 53 | 0 21 | 17 0 | 0 23 | 6 28 | 14 52 | 13 39 | 13 10 | 10 22 | 7 6 | 1 6 |
| T 30 | 22n58 | 4s22 | 2s44 | 22n 9 | 1n56 | 21n 7 | 1n28 | 11n 9 | 1s37 | 22n38 | 0s31 | 14s46 | 2n28 | 17s53 | 0n21 | 17s 0 | 0n23 | 6s29 | 14n52 | 13n38 | 13n11 | 10n24 | 7s 6 | 1s 5 |

Julian Day Number = 2811460.5, Delta T = 53m18s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'05, Lahiri = 37°39'05


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# ASTRODIENST EPHEMERIS for the year 2985
# geocentric

## JULY 2985 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 39 25 | 10♋28'48 | 7♈27 | 0♌40 | 2♌54 | 4♉24 | 23♊59 | 18°R 7 | 22°R10 | 10°R59 | 5°R35 | 23°R26 | 24♌46 | 11♉29 | 15♎36 | F 1 |
| S 2 | 18 43 21 | 11°26'09 | 19°26 | 2°18 | 4° 7 | 5° 8 | 24°13 | 18♏ 5 | 22♏ 8 | 10♒58 | 5♐34 | 23♌26 | 24°43 | 11°36 | 15°38 | S 2 |
| S 3 | 18 47 18 | 12°23'30 | 1♉19 | 3°54 | 5°20 | 5°52 | 24°26 | 18° 3 | 22° 7 | 10°57 | 5°32 | 23°24 | 24°40 | 11°43 | 15°40 | S 3 |
| M 4 | 18 51 15 | 13°20'51 | 13°11 | 5°27 | 6°33 | 6°36 | 24°40 | 18° 1 | 22° 6 | 10°55 | 5°31 | 23°21 | 24°37 | 11°49 | 15°43 | M 4 |
| T 5 | 18 55 11 | 14°18'12 | 25° 6 | 6°58 | 7°46 | 7°20 | 24°54 | 18° 0 | 22° 4 | 10°54 | 5°30 | 23°15 | 24°34 | 11°56 | 15°45 | T 5 |
| W 6 | 18 59 8 | 15°15'32 | 7♊ 7 | 8°26 | 8°59 | 8° 3 | 25° 8 | 17°58 | 22° 3 | 10°53 | 5°29 | 23° 9 | 24°30 | 12° 3 | 15°48 | W 6 |
| T 7 | 19 3 4 | 16°12'52 | 19°17 | 9°51 | 10°12 | 8°47 | 25°21 | 17°57 | 22° 2 | 10°51 | 5°27 | 23° 3 | 24°27 | 12° 9 | 15°50 | T 7 |
| F 8 | 19 7 1 | 17°10'11 | 1♋39 | 11°14 | 11°25 | 9°30 | 25°35 | 17°56 | 22° 1 | 10°50 | 5°26 | 22°56 | 24°24 | 12°16 | 15°53 | F 8 |
| S 9 | 19 10 57 | 18° 7'31 | 14°13 | 12°34 | 12°38 | 10°14 | 25°48 | 17°54 | 22° 0 | 10°48 | 5°25 | 22°51 | 24°21 | 12°23 | 15°56 | S 9 |
| S 10 | 19 14 54 | 19° 4'50 | 26°59 | 13°51 | 13°50 | 10°57 | 26° 2 | 17°53 | 21°59 | 10°47 | 5°24 | 22°47 | 24°18 | 12°30 | 15°59 | S 10 |
| M11 | 19 18 50 | 20° 2'08 | 9♌58 | 15° 6 | 15° 3 | 11°41 | 26°15 | 17°52 | 21°58 | 10°45 | 5°23 | 22°45 | 24°15 | 12°36 | 16° 3 | M11 |
| T 12 | 19 22 47 | 20°59'26 | 23°10 | 16°18 | 16°16 | 12°24 | 26°29 | 17°51 | 21°57 | 10°44 | 5°22 | 22°D44 | 24°11 | 12°43 | 16° 6 | T 12 |
| W13 | 19 26 44 | 21°56'44 | 6♍34 | 17°27 | 17°29 | 13° 7 | 26°42 | 17°51 | 21°56 | 10°42 | 5°21 | 22°45 | 24° 8 | 12°50 | 16° 9 | W13 |
| T 14 | 19 30 40 | 22°54'01 | 20°10 | 18°33 | 18°41 | 13°50 | 26°55 | 17°50 | 21°55 | 10°41 | 5°20 | 22°46 | 24° 5 | 12°57 | 16°13 | T 14 |
| F 15 | 19 34 37 | 23°51'17 | 3♎58 | 19°36 | 19°54 | 14°33 | 27° 9 | 17°49 | 21°54 | 10°39 | 5°19 | 22°48 | 24° 2 | 13° 3 | 16°16 | F 15 |
| S 16 | 19 38 33 | 24°48'33 | 17°58 | 20°35 | 21° 6 | 15°16 | 27°22 | 17°49 | 21°54 | 10°38 | 5°18 | 22°49 | 23°59 | 13°10 | 16°20 | S 16 |
| S 17 | 19 42 30 | 25°45'49 | 2♏ 8 | 21°32 | 22°19 | 15°59 | 27°35 | 17°48 | 21°53 | 10°36 | 5°17 | 22°R49 | 23°56 | 13°17 | 16°24 | S 17 |
| M18 | 19 46 26 | 26°43'04 | 16°26 | 22°25 | 23°32 | 16°41 | 27°48 | 17°48 | 21°52 | 10°35 | 5°16 | 22°47 | 23°52 | 13°23 | 16°28 | M18 |
| T 19 | 19 50 23 | 27°40'19 | 0♐50 | 23°15 | 24°44 | 17°24 | 28° 2 | 17°48 | 21°52 | 10°33 | 5°15 | 22°45 | 23°49 | 13°30 | 16°32 | T 19 |
| W20 | 19 54 19 | 28°37'33 | 15°15 | 24° 2 | 25°57 | 18° 7 | 28°15 | 17°48 | 21°51 | 10°31 | 5°15 | 22°42 | 23°46 | 13°37 | 16°36 | W20 |
| T 21 | 19 58 16 | 29°34'47 | 29°38 | 24°44 | 27° 9 | 18°49 | 28°28 | 17°D48 | 21°51 | 10°30 | 5°14 | 22°39 | 23°43 | 13°44 | 16°40 | T 21 |
| F 22 | 20 2 13 | 0♑32'01 | 13♑52 | 25°23 | 28°21 | 19°31 | 28°41 | 17°48 | 21°50 | 10°28 | 5°13 | 22°36 | 23°40 | 13°50 | 16°44 | F 22 |
| S 23 | 20 6 9 | 1°29'15 | 27°52 | 25°58 | 29°34 | 20°14 | 28°54 | 17°48 | 21°50 | 10°27 | 5°12 | 22°34 | 23°36 | 13°57 | 16°48 | S 23 |
| S 24 | 20 10 6 | 2°26'29 | 11♒36 | 26°29 | 0♍46 | 20°56 | 29° 6 | 17°48 | 21°50 | 10°25 | 5°12 | 22°33 | 23°33 | 14° 4 | 16°53 | S 24 |
| M25 | 20 14 2 | 3°23'44 | 25° 0 | 26°56 | 1°59 | 21°38 | 29°19 | 17°49 | 21°49 | 10°24 | 5°11 | 22°D32 | 23°30 | 14°10 | 16°57 | M25 |
| T 26 | 20 17 59 | 4°20'58 | 8♓ 3 | 27°18 | 3°11 | 22°20 | 29°32 | 17°49 | 21°49 | 10°22 | 5°10 | 22°33 | 23°27 | 14°17 | 17° 2 | T 26 |
| W27 | 20 21 55 | 5°18'12 | 20°46 | 27°36 | 4°23 | 23° 2 | 29°45 | 17°50 | 21°49 | 10°20 | 5°10 | 22°34 | 23°24 | 14°24 | 17° 7 | W27 |
| T 28 | 20 25 52 | 6°15'27 | 3♈12 | 27°49 | 5°35 | 23°44 | 29°57 | 17°51 | 21°49 | 10°19 | 5° 9 | 22°35 | 23°21 | 14°31 | 17°12 | T 28 |
| F 29 | 20 29 48 | 7°12'43 | 15°24 | 27°58 | 6°47 | 24°26 | 0♋10 | 17°51 | 21°49 | 10°17 | 5° 9 | 22°37 | 23°17 | 14°37 | 17°17 | F 29 |
| S 30 | 20 33 45 | 8° 9'58 | 27°25 | 28°R 2 | 8° 0 | 25° 7 | 0°22 | 17°52 | 21°D49 | 10°15 | 5° 8 | 22°38 | 23°14 | 14°44 | 17°22 | S 30 |
| S 31 | 20 37 42 | 9♌ 7'15 | 9♉19 | 28♌ 1 | 9♍12 | 25♉49 | 0♋35 | 17♏53 | 21♏49 | 10♒14 | 5♐ 8 | 22°R38 | 23♌11 | 14♉51 | 17♎27 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22n54 | 0s22 | 3s36 | 21n45 | 1n54 | 20n51 | 1n29 | 11n24 | 1s37 | 22n39 | 0s31 | 14s46 | 2n27 | 17s53 | 0n21 | 17s 1 | 0n23 | 6s29 | 14n51 | 13n38 | 13n12 | 10n25 | 7s 6 | 1s 5 | F 1 |
| S 2 | 22 49 | 3n35 | 4 17 | 21 20 | 1 50 | 20 35 | 1 31 | 11 39 | 1 37 | 22 40 | 0 31 | 14 46 | 2 27 | 17 52 | 0 21 | 17 1 | 0 23 | 6 29 | 14 51 | 13 38 | 13 13 | 10 27 | 7 7 | 1 4 | S 2 |
| S 3 | 22 44 | 7 22 | 4 47 | 20 53 | 1 46 | 20 19 | 1 32 | 11 53 | 1 36 | 22 40 | 0 31 | 14 46 | 2 27 | 17 52 | 0 20 | 17 2 | 0 23 | 6 29 | 14 50 | 13 39 | 13 14 | 10 29 | 7 7 | 1 4 | S 3 |
| M 4 | 22 39 | 10 51 | 5 5 | 20 26 | 1 41 | 20 2 | 1 33 | 12 8 | 1 36 | 22 41 | 0 31 | 14 45 | 2 27 | 17 52 | 0 20 | 17 2 | 0 23 | 6 29 | 14 50 | 13 40 | 13 15 | 10 31 | 7 8 | 1 4 | M 4 |
| T 5 | 22 33 | 13 55 | 5 10 | 19 59 | 1 36 | 19 44 | 1 34 | 12 22 | 1 36 | 22 42 | 0 31 | 14 45 | 2 26 | 17 51 | 0 20 | 17 2 | 0 23 | 6 29 | 14 50 | 13 42 | 13 16 | 10 33 | 7 8 | 1 3 | T 5 |
| W 6 | 22 26 | 16 26 | 5 1 | 19 30 | 1 30 | 19 26 | 1 34 | 12 36 | 1 36 | 22 42 | 0 31 | 14 45 | 2 26 | 17 51 | 0 20 | 17 3 | 0 23 | 6 30 | 14 49 | 13 44 | 13 17 | 10 35 | 7 9 | 1 3 | W 6 |
| T 7 | 22 20 | 18 15 | 4 38 | 19 1 | 1 23 | 19 7 | 1 35 | 12 50 | 1 36 | 22 43 | 0 31 | 14 45 | 2 26 | 17 51 | 0 20 | 17 3 | 0 23 | 6 30 | 14 49 | 13 46 | 13 18 | 10 36 | 7 9 | 1 2 | T 7 |
| F 8 | 22 13 | 19 15 | 4 2 | 18 31 | 1 16 | 18 48 | 1 36 | 13 4 | 1 35 | 22 43 | 0 31 | 14 45 | 2 26 | 17 51 | 0 20 | 17 3 | 0 23 | 6 30 | 14 49 | 13 48 | 13 19 | 10 38 | 7 10 | 1 2 | F 8 |
| S 9 | 22 5 | 19 20 | 3 14 | 18 1 | 1 8 | 18 28 | 1 37 | 13 18 | 1 35 | 22 44 | 0 31 | 14 45 | 2 25 | 17 50 | 0 20 | 17 4 | 0 23 | 6 30 | 14 48 | 13 49 | 13 20 | 10 40 | 7 11 | 1 1 | S 9 |
| S 10 | 21 58 | 18 25 | 2 16 | 17 31 | 0 59 | 18 8 | 1 37 | 13 32 | 1 35 | 22 44 | 0 31 | 14 45 | 2 25 | 17 50 | 0 20 | 17 4 | 0 23 | 6 30 | 14 48 | 13 51 | 13 21 | 10 42 | 7 11 | 1 1 | S 10 |
| M11 | 21 49 | 16 32 | 1 9 | 17 1 | 0 50 | 17 48 | 1 38 | 13 45 | 1 35 | 22 45 | 0 31 | 14 45 | 2 25 | 17 50 | 0 20 | 17 5 | 0 23 | 6 31 | 14 47 | 13 51 | 13 22 | 10 44 | 7 12 | 1 0 | M11 |
| T 12 | 21 41 | 13 46 | 0n 2 | 16 31 | 0 40 | 17 26 | 1 38 | 13 59 | 1 34 | 22 45 | 0 31 | 14 45 | 2 25 | 17 50 | 0 20 | 17 5 | 0 23 | 6 31 | 14 47 | 13 52 | 13 23 | 10 46 | 7 13 | 1 0 | T 12 |
| W13 | 21 32 | 10 13 | 1 15 | 16 0 | 0 30 | 17 5 | 1 39 | 14 12 | 1 34 | 22 45 | 0 31 | 14 45 | 2 24 | 17 50 | 0 20 | 17 5 | 0 23 | 6 31 | 14 46 | 13 52 | 13 24 | 10 47 | 7 14 | 0 59 | W13 |
| T 14 | 21 23 | 6 5 | 2 25 | 15 30 | 0 20 | 16 43 | 1 39 | 14 25 | 1 34 | 22 46 | 0 31 | 14 45 | 2 24 | 17 49 | 0 20 | 17 6 | 0 23 | 6 32 | 14 46 | 13 51 | 13 25 | 10 49 | 7 15 | 0 59 | T 14 |
| F 15 | 21 13 | 1 36 | 3 27 | 15 0 | 0 8 | 16 20 | 1 39 | 14 38 | 1 33 | 22 46 | 0 31 | 14 45 | 2 24 | 17 49 | 0 20 | 17 6 | 0 23 | 6 32 | 14 46 | 13 51 | 13 26 | 10 51 | 7 16 | 0 58 | F 15 |
| S 16 | 21 3 | 3s 2 | 4 18 | 14 30 | 0s 3 | 15 57 | 1 40 | 14 51 | 1 33 | 22 46 | 0 31 | 14 45 | 2 24 | 17 49 | 0 20 | 17 7 | 0 23 | 6 32 | 14 45 | 13 50 | 13 27 | 10 53 | 7 17 | 0 58 | S 16 |
| S 17 | 20 53 | 7 33 | 4 54 | 14 1 | 0 15 | 15 34 | 1 40 | 15 3 | 1 33 | 22 47 | 0 30 | 14 45 | 2 23 | 17 49 | 0 20 | 17 7 | 0 23 | 6 32 | 14 45 | 13 50 | 13 28 | 10 55 | 7 18 | 0 57 | S 17 |
| M18 | 20 42 | 11 41 | 5 12 | 13 32 | 0 28 | 15 10 | 1 40 | 15 16 | 1 32 | 22 47 | 0 30 | 14 45 | 2 23 | 17 49 | 0 20 | 17 8 | 0 23 | 6 33 | 14 44 | 13 51 | 13 29 | 10 56 | 7 19 | 0 57 | M18 |
| T 19 | 20 31 | 15 9 | 5 11 | 13 3 | 0 40 | 14 46 | 1 40 | 15 28 | 1 32 | 22 47 | 0 30 | 14 45 | 2 23 | 17 49 | 0 20 | 17 8 | 0 23 | 6 33 | 14 44 | 13 51 | 13 31 | 10 58 | 7 20 | 0 57 | T 19 |
| W20 | 20 19 | 17 42 | 4 50 | 12 36 | 0 54 | 14 22 | 1 40 | 15 40 | 1 32 | 22 48 | 0 30 | 14 46 | 2 23 | 17 49 | 0 20 | 17 8 | 0 23 | 6 33 | 14 43 | 13 52 | 13 32 | 11 0 | 7 21 | 0 56 | W20 |
| T 21 | 20 8 | 19 8 | 4 11 | 12 9 | 1 7 | 13 57 | 1 39 | 15 52 | 1 31 | 22 48 | 0 30 | 14 46 | 2 22 | 17 48 | 0 20 | 17 9 | 0 23 | 6 34 | 14 43 | 13 53 | 13 33 | 11 2 | 7 22 | 0 56 | T 21 |
| F 22 | 19 56 | 19 20 | 3 17 | 11 43 | 1 21 | 13 32 | 1 39 | 16 4 | 1 31 | 22 48 | 0 30 | 14 46 | 2 22 | 17 48 | 0 20 | 17 9 | 0 23 | 6 34 | 14 42 | 13 54 | 13 34 | 11 4 | 7 24 | 0 55 | F 22 |
| S 23 | 19 43 | 18 19 | 2 12 | 11 18 | 1 35 | 13 6 | 1 39 | 16 15 | 1 30 | 22 48 | 0 30 | 14 46 | 2 22 | 17 48 | 0 20 | 17 10 | 0 23 | 6 34 | 14 42 | 13 55 | 13 35 | 11 5 | 7 25 | 0 55 | S 23 |
| S 24 | 19 30 | 16 15 | 1 0 | 10 54 | 1 49 | 12 40 | 1 38 | 16 27 | 1 30 | 22 48 | 0 30 | 14 47 | 2 22 | 17 48 | 0 20 | 17 10 | 0 23 | 6 35 | 14 41 | 13 55 | 13 36 | 11 7 | 7 26 | 0 54 | S 24 |
| M25 | 19 17 | 13 20 | 0s14 | 10 32 | 2 4 | 12 14 | 1 38 | 16 38 | 1 29 | 22 48 | 0 30 | 14 47 | 2 21 | 17 48 | 0 20 | 17 11 | 0 23 | 6 35 | 14 41 | 13 56 | 13 37 | 11 9 | 7 27 | 0 54 | M25 |
| T 26 | 19 4 | 9 49 | 1 25 | 10 11 | 2 18 | 11 48 | 1 37 | 16 49 | 1 29 | 22 48 | 0 30 | 14 48 | 2 21 | 17 48 | 0 20 | 17 11 | 0 23 | 6 36 | 14 40 | 13 55 | 13 38 | 11 11 | 7 29 | 0 53 | T 26 |
| W27 | 18 50 | 5 56 | 2 30 | 9 51 | 2 33 | 11 21 | 1 37 | 17 0 | 1 28 | 22 49 | 0 30 | 14 48 | 2 21 | 17 48 | 0 20 | 17 12 | 0 23 | 6 36 | 14 40 | 13 55 | 13 39 | 11 13 | 7 30 | 0 53 | W27 |
| T 28 | 18 36 | 1 53 | 3 26 | 9 33 | 2 47 | 10 54 | 1 36 | 17 11 | 1 28 | 22 49 | 0 30 | 14 48 | 2 20 | 17 48 | 0 20 | 17 12 | 0 23 | 6 36 | 14 39 | 13 55 | 13 40 | 11 14 | 7 32 | 0 53 | T 28 |
| F 29 | 18 22 | 2n 9 | 4 12 | 9 16 | 3 1 | 10 27 | 1 35 | 17 22 | 1 27 | 22 49 | 0 30 | 14 49 | 2 20 | 17 48 | 0 20 | 17 12 | 0 23 | 6 37 | 14 39 | 13 54 | 13 41 | 11 16 | 7 33 | 0 52 | F 29 |
| S 30 | 18 8 | 6 2 | 4 46 | 9 2 | 3 16 | 9 59 | 1 34 | 17 32 | 1 27 | 22 49 | 0 30 | 14 49 | 2 20 | 17 48 | 0 20 | 17 13 | 0 23 | 6 37 | 14 38 | 13 54 | 13 42 | 11 18 | 7 35 | 0 52 | S 30 |
| S 31 | 17n53 | 9n39 | 5s 8 | 8n49 | 3s29 | 9n31 | 1n33 | 17n42 | 1s26 | 22n49 | 0s30 | 14s50 | 2n20 | 17s48 | 0n20 | 17s13 | 0n23 | 6s38 | 14n38 | 13n54 | 13n43 | 11n20 | 7s36 | 0s51 | S 31 |

Julian Day Number = 2811490.5, Delta T = 53m18s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'09, Lahiri = 37°39'09


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# ASTRODIENST EPHEMERIS for the year 2985
# geocentric

## AUGUST 2985 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 41 38 | 10♌ 4'32 | 21♉13 | 27°R55 | 10♍24 | 26♉30 | 0♋47 | 17♏54 | 21♏49 | 10°R12 | 5°R 7 | 22°R38 | 23♌ 8 | 14♉58 | 17♎32 | M 1 |
| T 2 | 20 45 35 | 11° 1'49 | 3♊ 9 | 27♌44 | 11°36 | 27°11 | 0°59 | 17°56 | 21°49 | 10♒11 | 5♐ 7 | 22♌37 | 23° 5 | 15° 4 | 17°37 | T 2 |
| W 3 | 20 49 31 | 11°59'07 | 15°13 | 27°29 | 12°48 | 27°53 | 1°12 | 17°57 | 21°49 | 10° 9 | 5° 6 | 22°36 | 23° 2 | 15°11 | 17°42 | W 3 |
| T 4 | 20 53 28 | 12°56'26 | 27°28 | 27° 9 | 14° 0 | 28°34 | 1°24 | 17°58 | 21°50 | 10° 7 | 5° 6 | 22°34 | 22°58 | 15°18 | 17°48 | T 4 |
| F 5 | 20 57 24 | 13°53'46 | 9♋57 | 26°45 | 15°12 | 29°15 | 1°36 | 18° 0 | 21°50 | 10° 6 | 5° 6 | 22°33 | 22°55 | 15°24 | 17°53 | F 5 |
| S 6 | 21 1 21 | 14°51'06 | 22°43 | 26°16 | 16°24 | 29°55 | 1°48 | 18° 1 | 21°50 | 10° 4 | 5° 5 | 22°32 | 22°52 | 15°31 | 17°59 | S 6 |
| S 7 | 21 5 17 | 15°48'27 | 5♌45 | 25°44 | 17°35 | 0♊36 | 2° 0 | 18° 3 | 21°51 | 10° 2 | 5° 5 | 22°31 | 22°49 | 15°38 | 18° 5 | S 7 |
| M 8 | 21 9 14 | 16°45'48 | 19° 5 | 25° 8 | 18°47 | 1°17 | 2°12 | 18° 5 | 21°51 | 10° 1 | 5° 5 | 22°D31 | 22°46 | 15°45 | 18°10 | M 8 |
| T 9 | 21 13 11 | 17°43'09 | 2♍41 | 24°29 | 19°59 | 1°57 | 2°24 | 18° 6 | 21°52 | 9°59 | 5° 5 | 22°31 | 22°42 | 15°51 | 18°16 | T 9 |
| W10 | 21 17 7 | 18°40'32 | 16°31 | 23°49 | 21°11 | 2°38 | 2°35 | 18° 8 | 21°52 | 9°58 | 5° 4 | 22°32 | 22°39 | 15°58 | 18°22 | W10 |
| T 11 | 21 21 4 | 19°37'54 | 0♎32 | 23° 6 | 22°22 | 3°18 | 2°47 | 18°10 | 21°53 | 9°56 | 5° 4 | 22°32 | 22°36 | 16° 5 | 18°28 | T 11 |
| F 12 | 21 25 0 | 20°35'17 | 14°42 | 22°22 | 23°34 | 3°58 | 2°59 | 18°13 | 21°54 | 9°54 | 5° 4 | 22°32 | 22°33 | 16°11 | 18°34 | F 12 |
| S 13 | 21 28 57 | 21°32'41 | 28°56 | 21°39 | 24°46 | 4°38 | 3°10 | 18°15 | 21°54 | 9°53 | 5° 4 | 22°32 | 22°30 | 16°18 | 18°40 | S 13 |
| S 14 | 21 32 53 | 22°30'05 | 13♏12 | 20°55 | 25°57 | 5°18 | 3°21 | 18°17 | 21°55 | 9°51 | 5°D 4 | 22°32 | 22°27 | 16°25 | 18°46 | S 14 |
| M15 | 21 36 50 | 23°27'29 | 27°26 | 20°14 | 27° 9 | 5°57 | 3°33 | 18°20 | 21°56 | 9°50 | 5° 4 | 22°32 | 22°23 | 16°32 | 18°53 | M15 |
| T 16 | 21 40 46 | 24°24'54 | 11♐37 | 19°34 | 28°20 | 6°37 | 3°44 | 18°22 | 21°57 | 9°48 | 5° 4 | 22°32 | 22°20 | 16°38 | 18°59 | T 16 |
| W17 | 21 44 43 | 25°22'19 | 25°42 | 18°57 | 29°31 | 7°16 | 3°55 | 18°25 | 21°58 | 9°47 | 5° 4 | 22°32 | 22°17 | 16°45 | 19° 5 | W17 |
| T 18 | 21 48 40 | 26°19'45 | 9♑39 | 18°24 | 0♎43 | 7°55 | 4° 6 | 18°27 | 21°59 | 9°45 | 5° 4 | 22°33 | 22°14 | 16°52 | 19°12 | T 18 |
| F 19 | 21 52 36 | 27°17'12 | 23°25 | 17°55 | 1°54 | 8°34 | 4°17 | 18°30 | 22° 0 | 9°43 | 5° 4 | 22°33 | 22°11 | 16°59 | 19°18 | F 19 |
| S 20 | 21 56 33 | 28°14'39 | 6♒59 | 17°31 | 3° 5 | 9°13 | 4°28 | 18°33 | 22° 1 | 9°42 | 5° 5 | 22°34 | 22° 8 | 17° 5 | 19°25 | S 20 |
| S 21 | 22 0 29 | 29°12'07 | 20°19 | 17°13 | 4°16 | 9°52 | 4°39 | 18°36 | 22° 2 | 9°40 | 5° 5 | 22°R34 | 22° 4 | 17°12 | 19°32 | S 21 |
| M22 | 22 4 26 | 0♍ 9'36 | 3♓25 | 17° 1 | 5°28 | 10°31 | 4°49 | 18°39 | 22° 3 | 9°39 | 5° 5 | 22°34 | 22° 1 | 17°19 | 19°39 | M22 |
| T 23 | 22 8 22 | 1° 7'05 | 16°15 | 16°D54 | 6°39 | 11° 9 | 5° 0 | 18°42 | 22° 4 | 9°37 | 5° 5 | 22°33 | 21°58 | 17°25 | 19°45 | T 23 |
| W24 | 22 12 19 | 2° 4'36 | 28°50 | 16°55 | 7°50 | 11°48 | 5°11 | 18°45 | 22° 6 | 9°36 | 5° 6 | 22°32 | 21°55 | 17°32 | 19°52 | W24 |
| T 25 | 22 16 15 | 3° 2'08 | 11♈11 | 17° 2 | 9° 1 | 12°26 | 5°21 | 18°49 | 22° 7 | 9°34 | 5° 6 | 22°31 | 21°52 | 17°39 | 19°59 | T 25 |
| F 26 | 22 20 12 | 3°59'41 | 23°21 | 17°16 | 10°12 | 13° 4 | 5°31 | 18°52 | 22° 8 | 9°33 | 5° 6 | 22°29 | 21°48 | 17°46 | 20° 6 | F 26 |
| S 27 | 22 24 9 | 4°57'16 | 5♉21 | 17°37 | 11°22 | 13°42 | 5°41 | 18°56 | 22°10 | 9°32 | 5° 7 | 22°28 | 21°45 | 17°52 | 20°13 | S 27 |
| S 28 | 22 28 5 | 5°54'51 | 17°15 | 18° 5 | 12°33 | 14°19 | 5°51 | 18°59 | 22°11 | 9°30 | 5° 7 | 22°26 | 21°42 | 17°59 | 20°20 | S 28 |
| M29 | 22 32 2 | 6°52'29 | 29° 9 | 18°40 | 13°44 | 14°57 | 6° 1 | 19° 3 | 22°13 | 9°29 | 5° 8 | 22°26 | 21°39 | 18° 6 | 20°28 | M29 |
| T 30 | 22 35 58 | 7°50'07 | 11♊ 4 | 19°22 | 14°55 | 15°34 | 6°11 | 19° 6 | 22°14 | 9°27 | 5° 8 | 22°D26 | 21°36 | 18°12 | 20°35 | T 30 |
| W31 | 22 39 55 | 8♍47'47 | 23♊ 8 | 20♌11 | 16♎ 5 | 16♊11 | 6♋21 | 19♏10 | 22♏16 | 9♒26 | 5♐ 9 | 22♌26 | 21♌33 | 18♉19 | 20♎42 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n37 | 12n53 | 5s16 | 8n39 | 3s43 | 9n 3 | 1n32 | 17n53 | 1s26 | 22n49 | 0s30 | 14s50 | 2n19 | 17s48 | 0n20 | 17s14 | 0n23 | 6s38 | 14n37 | 13n54 | 13n44 | 11n22 | 7s38 | 0s51 |
| T 2 | 17 22 | 15 35 | 5 11 | 8 30 | 3 56 | 8 35 | 1 31 | 18 2 | 1 25 | 22 49 | 0 30 | 14 51 | 2 19 | 17 48 | 0 20 | 17 14 | 0 23 | 6 38 | 14 37 | 13 54 | 13 45 | 11 23 | 7 39 | 0 50 |
| W 3 | 17 6 | 17 39 | 4 52 | 8 24 | 4 8 | 8 6 | 1 30 | 18 12 | 1 25 | 22 49 | 0 30 | 14 52 | 2 19 | 17 48 | 0 20 | 17 15 | 0 23 | 6 39 | 14 36 | 13 55 | 13 46 | 11 25 | 7 41 | 0 50 |
| T 4 | 16 50 | 18 58 | 4 20 | 8 20 | 4 19 | 7 37 | 1 28 | 18 22 | 1 24 | 22 48 | 0 30 | 14 52 | 2 19 | 17 48 | 0 20 | 17 15 | 0 23 | 6 39 | 14 36 | 13 55 | 13 47 | 11 27 | 7 43 | 0 50 |
| F 5 | 16 34 | 19 22 | 3 34 | 8 18 | 4 29 | 7 8 | 1 27 | 18 31 | 1 24 | 22 48 | 0 30 | 14 53 | 2 18 | 17 49 | 0 20 | 17 16 | 0 22 | 6 40 | 14 35 | 13 55 | 13 48 | 11 29 | 7 44 | 0 49 |
| S 6 | 16 17 | 18 49 | 2 38 | 8 19 | 4 38 | 6 39 | 1 26 | 18 40 | 1 23 | 22 48 | 0 30 | 14 54 | 2 18 | 17 49 | 0 20 | 17 16 | 0 22 | 6 40 | 14 35 | 13 56 | 13 49 | 11 31 | 7 46 | 0 49 |
| S 7 | 16 1 | 17 15 | 1 32 | 8 22 | 4 46 | 6 10 | 1 24 | 18 49 | 1 22 | 22 48 | 0 30 | 14 54 | 2 18 | 17 49 | 0 20 | 17 16 | 0 22 | 6 41 | 14 34 | 13 56 | 13 50 | 11 32 | 7 48 | 0 48 |
| M 8 | 15 44 | 14 43 | 0 19 | 8 28 | 4 53 | 5 41 | 1 22 | 18 58 | 1 22 | 22 48 | 0 30 | 14 55 | 2 18 | 17 49 | 0 20 | 17 17 | 0 22 | 6 41 | 14 34 | 13 56 | 13 51 | 11 34 | 7 50 | 0 48 |
| T 9 | 15 26 | 11 20 | 0n56 | 8 36 | 4 58 | 5 11 | 1 21 | 19 7 | 1 21 | 22 48 | 0 30 | 14 56 | 2 17 | 17 49 | 0 20 | 17 17 | 0 22 | 6 42 | 14 33 | 13 56 | 13 52 | 11 36 | 7 51 | 0 48 |
| W10 | 15 9 | 7 17 | 2 9 | 8 46 | 5 2 | 4 41 | 1 19 | 19 16 | 1 20 | 22 48 | 0 29 | 14 57 | 2 17 | 17 49 | 0 19 | 17 18 | 0 22 | 6 42 | 14 33 | 13 56 | 13 53 | 11 38 | 7 53 | 0 47 |
| T 11 | 14 51 | 2 47 | 3 15 | 8 57 | 5 3 | 4 12 | 1 17 | 19 24 | 1 20 | 22 47 | 0 29 | 14 57 | 2 17 | 17 49 | 0 19 | 17 18 | 0 22 | 6 43 | 14 32 | 13 56 | 13 54 | 11 39 | 7 55 | 0 47 |
| F 12 | 14 33 | 1s54 | 4 11 | 9 11 | 5 4 | 3 42 | 1 15 | 19 32 | 1 19 | 22 47 | 0 29 | 14 58 | 2 17 | 17 50 | 0 19 | 17 19 | 0 22 | 6 43 | 14 31 | 13 56 | 13 55 | 11 41 | 7 57 | 0 46 |
| S 13 | 14 15 | 6 30 | 4 51 | 9 27 | 5 2 | 3 11 | 1 13 | 19 40 | 1 18 | 22 47 | 0 29 | 14 59 | 2 16 | 17 50 | 0 19 | 17 19 | 0 22 | 6 44 | 14 31 | 13 56 | 13 56 | 11 43 | 7 59 | 0 46 |
| S 14 | 13 56 | 10 44 | 5 13 | 9 43 | 4 58 | 2 41 | 1 11 | 19 48 | 1 17 | 22 47 | 0 29 | 15 0 | 2 16 | 17 50 | 0 19 | 17 19 | 0 22 | 6 44 | 14 30 | 13 56 | 13 57 | 11 45 | 8 1 | 0 45 |
| M15 | 13 38 | 14 21 | 5 16 | 10 1 | 4 53 | 2 11 | 1 9 | 19 55 | 1 17 | 22 46 | 0 29 | 15 1 | 2 16 | 17 50 | 0 19 | 17 20 | 0 22 | 6 45 | 14 30 | 13 56 | 13 58 | 11 47 | 8 3 | 0 45 |
| T 16 | 13 19 | 17 6 | 5 0 | 10 20 | 4 46 | 1 41 | 1 7 | 20 3 | 1 16 | 22 46 | 0 29 | 15 2 | 2 16 | 17 51 | 0 19 | 17 20 | 0 22 | 6 45 | 14 29 | 13 56 | 13 59 | 11 48 | 8 5 | 0 45 |
| W17 | 13 0 | 18 49 | 4 26 | 10 40 | 4 37 | 1 10 | 1 4 | 20 10 | 1 15 | 22 46 | 0 29 | 15 3 | 2 15 | 17 51 | 0 19 | 17 21 | 0 22 | 6 46 | 14 29 | 13 56 | 14 1 | 11 50 | 8 7 | 0 44 |
| T 18 | 12 40 | 19 22 | 3 36 | 10 59 | 4 27 | 0 40 | 1 2 | 20 17 | 1 14 | 22 46 | 0 29 | 15 4 | 2 15 | 17 51 | 0 19 | 17 21 | 0 22 | 6 47 | 14 28 | 13 55 | 14 2 | 11 52 | 8 9 | 0 44 |
| F 19 | 12 21 | 18 45 | 2 35 | 11 19 | 4 15 | 0 10 | 1 0 | 20 24 | 1 14 | 22 45 | 0 29 | 15 5 | 2 15 | 17 51 | 0 19 | 17 22 | 0 22 | 6 47 | 14 28 | 13 55 | 14 3 | 11 54 | 8 11 | 0 44 |
| S 20 | 12 1 | 17 3 | 1 25 | 11 38 | 4 3 | 0s21 | 0 57 | 20 31 | 1 13 | 22 45 | 0 29 | 15 6 | 2 14 | 17 52 | 0 19 | 17 22 | 0 22 | 6 48 | 14 27 | 13 55 | 14 4 | 11 55 | 8 14 | 0 43 |
| S 21 | 11 41 | 14 26 | 0 12 | 11 57 | 3 49 | 0 51 | 0 55 | 20 37 | 1 12 | 22 45 | 0 29 | 15 7 | 2 14 | 17 52 | 0 19 | 17 22 | 0 22 | 6 48 | 14 27 | 13 55 | 14 5 | 11 57 | 8 16 | 0 43 |
| M22 | 11 21 | 11 8 | 1s 0 | 12 15 | 3 34 | 1 22 | 0 52 | 20 44 | 1 11 | 22 44 | 0 29 | 15 8 | 2 14 | 17 52 | 0 19 | 17 23 | 0 22 | 6 49 | 14 26 | 13 55 | 14 6 | 11 59 | 8 18 | 0 42 |
| T 23 | 11 1 | 7 21 | 2 7 | 12 32 | 3 18 | 1 52 | 0 49 | 20 50 | 1 10 | 22 44 | 0 29 | 15 9 | 2 14 | 17 53 | 0 19 | 17 23 | 0 22 | 6 49 | 14 25 | 13 55 | 14 7 | 12 1 | 8 20 | 0 42 |
| W24 | 10 41 | 3 20 | 3 8 | 12 48 | 3 2 | 2 23 | 0 46 | 20 56 | 1 9 | 22 44 | 0 29 | 15 10 | 2 14 | 17 53 | 0 19 | 17 24 | 0 22 | 6 50 | 14 25 | 13 56 | 14 8 | 12 2 | 8 22 | 0 42 |
| T 25 | 10 20 | 0n45 | 3 58 | 13 2 | 2 45 | 2 53 | 0 44 | 21 2 | 1 8 | 22 43 | 0 29 | 15 11 | 2 13 | 17 53 | 0 19 | 17 24 | 0 22 | 6 51 | 14 24 | 13 56 | 14 9 | 12 4 | 8 25 | 0 41 |
| F 26 | 9 59 | 4 44 | 4 36 | 13 14 | 2 28 | 3 24 | 0 41 | 21 8 | 1 8 | 22 43 | 0 29 | 15 12 | 2 13 | 17 54 | 0 19 | 17 24 | 0 22 | 6 51 | 14 24 | 13 57 | 14 10 | 12 6 | 8 27 | 0 41 |
| S 27 | 9 39 | 8 29 | 5 2 | 13 24 | 2 10 | 3 54 | 0 38 | 21 13 | 1 7 | 22 42 | 0 29 | 15 14 | 2 13 | 17 54 | 0 19 | 17 25 | 0 22 | 6 52 | 14 23 | 13 57 | 14 11 | 12 8 | 8 29 | 0 40 |
| S 28 | 9 18 | 11 51 | 5 15 | 13 32 | 1 53 | 4 24 | 0 35 | 21 18 | 1 6 | 22 42 | 0 29 | 15 15 | 2 13 | 17 55 | 0 19 | 17 25 | 0 22 | 6 52 | 14 23 | 13 57 | 14 12 | 12 10 | 8 31 | 0 40 |
| M29 | 8 56 | 14 45 | 5 14 | 13 38 | 1 36 | 4 54 | 0 32 | 21 24 | 1 5 | 22 42 | 0 29 | 15 16 | 2 12 | 17 55 | 0 19 | 17 26 | 0 22 | 6 53 | 14 22 | 13 58 | 14 13 | 12 11 | 8 34 | 0 40 |
| T 30 | 8 35 | 17 2 | 4 59 | 13 41 | 1 19 | 5 24 | 0 28 | 21 29 | 1 4 | 22 41 | 0 29 | 15 17 | 2 12 | 17 55 | 0 19 | 17 26 | 0 22 | 6 54 | 14 22 | 13 58 | 14 14 | 12 13 | 8 36 | 0 39 |
| W31 | 8n14 | 18n37 | 4s32 | 13n42 | 1s 2 | 5s54 | 0n25 | 21n33 | 1s 3 | 22n41 | 0s29 | 15s18 | 2n12 | 17s56 | 0n19 | 17s26 | 0n22 | 6s54 | 14n21 | 13n58 | 14n15 | 12n15 | 8s39 | 0s39 |

Julian Day Number = 2811521.5, Delta T = 53m19s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'13, Lahiri = 37°39'14


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# ASTRODIENST EPHEMERIS for the year 2985
# geocentric

## SEPTEMBER 2985 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 43 51 | 9♍45'29 | 5♋23 | 21♌ 6 | 17♎16 | 16♊48 | 6♋31 | 19♏14 | 22♏18 | 9°R25 | 5♐ 9 | 22♌27 | 21♌29 | 18♉26 | 20♎49 | T 1 |
| F 2 | 22 47 48 | 10°43'12 | 17°55 | 22° 8 | 18°26 | 17°25 | 6°40 | 19°18 | 22°19 | 9♒23 | 5°10 | 22°29 | 21°26 | 18°33 | 20°57 | F 2 |
| S 3 | 22 51 44 | 11°40'56 | 0♌46 | 23°17 | 19°37 | 18° 2 | 6°49 | 19°22 | 22°21 | 9°22 | 5°11 | 22°30 | 21°23 | 18°39 | 21° 4 | S 3 |
| S 4 | 22 55 41 | 12°38'42 | 13°59 | 24°31 | 20°47 | 18°38 | 6°59 | 19°26 | 22°23 | 9°21 | 5°11 | 22°31 | 21°20 | 18°46 | 21°12 | S 4 |
| M 5 | 22 59 38 | 13°36'29 | 27°35 | 25°51 | 21°57 | 19°14 | 7° 8 | 19°30 | 22°25 | 9°19 | 5°12 | 22°R31 | 21°17 | 18°53 | 21°19 | M 5 |
| T 6 | 23 3 34 | 14°34'18 | 11♍32 | 27°17 | 23° 8 | 19°50 | 7°17 | 19°35 | 22°27 | 9°18 | 5°13 | 22°30 | 21°14 | 19° 0 | 21°27 | T 6 |
| W 7 | 23 7 31 | 15°32'08 | 25°48 | 28°47 | 24°18 | 20°26 | 7°26 | 19°39 | 22°29 | 9°17 | 5°13 | 22°28 | 21°10 | 19° 6 | 21°35 | W 7 |
| T 8 | 23 11 27 | 16°29'59 | 10♎17 | 0♍22 | 25°28 | 21° 1 | 7°35 | 19°44 | 22°31 | 9°16 | 5°14 | 22°25 | 21° 7 | 19°13 | 21°42 | T 8 |
| F 9 | 23 15 24 | 17°27'52 | 24°54 | 2° 1 | 26°38 | 21°37 | 7°43 | 19°48 | 22°33 | 9°15 | 5°15 | 22°22 | 21° 4 | 19°20 | 21°50 | F 9 |
| S 10 | 23 19 20 | 18°25'46 | 9♏31 | 3°44 | 27°48 | 22°12 | 7°52 | 19°53 | 22°35 | 9°13 | 5°16 | 22°18 | 21° 1 | 19°26 | 21°58 | S 10 |
| S 11 | 23 23 17 | 19°23'41 | 24° 3 | 5°30 | 28°58 | 22°47 | 8° 0 | 19°57 | 22°37 | 9°12 | 5°17 | 22°16 | 20°58 | 19°33 | 22° 6 | S 11 |
| M12 | 23 27 13 | 20°21'37 | 8♐25 | 7°19 | 0♏ 8 | 23°22 | 8° 8 | 20° 2 | 22°39 | 9°11 | 5°18 | 22°14 | 20°54 | 19°40 | 22°14 | M12 |
| T 13 | 23 31 10 | 21°19'35 | 22°33 | 9°10 | 1°17 | 23°56 | 8°17 | 20° 7 | 22°41 | 9°10 | 5°19 | 22°D13 | 20°51 | 19°47 | 22°21 | T 13 |
| W14 | 23 35 6 | 22°17'34 | 6♑27 | 11° 3 | 2°27 | 24°30 | 8°25 | 20°12 | 22°44 | 9° 9 | 5°20 | 22°14 | 20°48 | 19°53 | 22°29 | W14 |
| T 15 | 23 39 3 | 23°15'33 | 20° 5 | 12°58 | 3°37 | 25° 4 | 8°32 | 20°17 | 22°46 | 9° 8 | 5°21 | 22°15 | 20°45 | 20° 0 | 22°37 | T 15 |
| F 16 | 23 43 0 | 24°13'35 | 3♒29 | 14°53 | 4°46 | 25°38 | 8°40 | 20°22 | 22°48 | 9° 7 | 5°22 | 22°17 | 20°42 | 20° 7 | 22°45 | F 16 |
| S 17 | 23 46 56 | 25°11'37 | 16°39 | 16°50 | 5°56 | 26°11 | 8°48 | 20°27 | 22°51 | 9° 6 | 5°23 | 22°R18 | 20°39 | 20°13 | 22°54 | S 17 |
| S 18 | 23 50 53 | 26° 9'41 | 29°36 | 18°46 | 7° 5 | 26°45 | 8°55 | 20°32 | 22°53 | 9° 5 | 5°24 | 22°18 | 20°35 | 20°20 | 23° 2 | S 18 |
| M19 | 23 54 49 | 27° 7'46 | 12♓20 | 20°43 | 8°14 | 27°18 | 9° 2 | 20°37 | 22°56 | 9° 4 | 5°25 | 22°16 | 20°32 | 20°27 | 23°10 | M19 |
| T 20 | 23 58 46 | 28° 5'53 | 24°54 | 22°40 | 9°23 | 27°50 | 9°10 | 20°42 | 22°58 | 9° 3 | 5°26 | 22°13 | 20°29 | 20°34 | 23°18 | T 20 |
| W21 | 0 2 42 | 29° 4'02 | 7♈17 | 24°37 | 10°32 | 28°23 | 9°17 | 20°48 | 23° 1 | 9° 2 | 5°28 | 22° 8 | 20°26 | 20°40 | 23°26 | W21 |
| T 22 | 0 6 39 | 0♎ 2'12 | 19°30 | 26°33 | 11°41 | 28°55 | 9°23 | 20°53 | 23° 3 | 9° 1 | 5°29 | 22° 1 | 20°23 | 20°47 | 23°34 | T 22 |
| F 23 | 0 10 35 | 1° 0'24 | 1♉34 | 28°29 | 12°50 | 29°27 | 9°30 | 20°58 | 23° 6 | 9° 0 | 5°30 | 21°54 | 20°19 | 20°54 | 23°43 | F 23 |
| S 24 | 0 14 32 | 1°58'38 | 13°32 | 0♎23 | 13°59 | 29°59 | 9°37 | 21° 4 | 23° 9 | 8°59 | 5°32 | 21°47 | 20°16 | 21° 1 | 23°51 | S 24 |
| S 25 | 0 18 29 | 2°56'53 | 25°25 | 2°17 | 15° 8 | 0♋30 | 9°43 | 21° 9 | 23°11 | 8°59 | 5°33 | 21°41 | 20°13 | 21° 7 | 23°59 | S 25 |
| M26 | 0 22 25 | 3°55'11 | 7♊16 | 4°10 | 16°16 | 1° 1 | 9°49 | 21°15 | 23°14 | 8°58 | 5°34 | 21°36 | 20°10 | 21°14 | 24° 8 | M26 |
| T 27 | 0 26 22 | 4°53'31 | 19°10 | 6° 3 | 17°25 | 1°32 | 9°55 | 21°21 | 23°17 | 8°57 | 5°36 | 21°32 | 20° 7 | 21°21 | 24°16 | T 27 |
| W28 | 0 30 18 | 5°51'52 | 1♋11 | 7°54 | 18°33 | 2° 2 | 10° 1 | 21°26 | 23°20 | 8°56 | 5°37 | 21°D31 | 20° 4 | 21°27 | 24°25 | W28 |
| T 29 | 0 34 15 | 6°50'16 | 13°23 | 9°44 | 19°41 | 2°33 | 10° 7 | 21°32 | 23°22 | 8°56 | 5°39 | 21°31 | 20° 0 | 21°34 | 24°33 | T 29 |
| F 30 | 0 38 11 | 7♎48'42 | 25♋52 | 11♎33 | 20♏50 | 3♋ 3 | 10♋13 | 21♏38 | 23♏25 | 8♒55 | 5♐40 | 21♌32 | 19♌57 | 21♉41 | 24♎41 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n52 | 19n21 | 3s51 | 13n40 | 0s46 | 6s24 | 0n22 | 21n38 | 1s 2 | 22n40 | 0s29 | 15s20 | 2n12 | 17s56 | 0n19 | 17s27 | 0n22 | 6s55 | 14n20 | 13n57 | 14n16 | 12n17 | 8s41 | 0s39 |
| F 2 | 7 30 | 19 9 | 2 59 | 13 35 | 0 30 | 6 54 | 0 19 | 21 43 | 1 1 | 22 40 | 0 29 | 15 21 | 2 11 | 17 57 | 0 19 | 17 27 | 0 22 | 6 56 | 14 20 | 13 57 | 14 17 | 12 18 | 8 43 | 0 38 |
| S 3 | 7 9 | 17 58 | 1 57 | 13 27 | 0 15 | 7 24 | 0 15 | 21 47 | 1 0 | 22 39 | 0 29 | 15 22 | 2 11 | 17 57 | 0 19 | 17 28 | 0 22 | 6 56 | 14 19 | 13 56 | 14 18 | 12 20 | 8 46 | 0 38 |
| S 4 | 6 47 | 15 48 | 0 47 | 13 16 | 0 1 | 7 53 | 0 12 | 21 51 | 0 59 | 22 39 | 0 29 | 15 24 | 2 11 | 17 58 | 0 19 | 17 28 | 0 22 | 6 57 | 14 19 | 13 56 | 14 19 | 12 22 | 8 48 | 0 37 |
| M 5 | 6 25 | 12 41 | 0n28 | 13 2 | 0n13 | 8 23 | 0 8 | 21 55 | 0 58 | 22 38 | 0 29 | 15 25 | 2 11 | 17 58 | 0 19 | 17 28 | 0 22 | 6 58 | 14 18 | 13 56 | 14 20 | 12 24 | 8 51 | 0 37 |
| T 6 | 6 3 | 8 47 | 1 43 | 12 45 | 0 26 | 8 52 | 0 5 | 21 59 | 0 57 | 22 38 | 0 29 | 15 26 | 2 10 | 17 59 | 0 19 | 17 29 | 0 22 | 6 58 | 14 18 | 13 56 | 14 21 | 12 25 | 8 53 | 0 37 |
| W 7 | 5 40 | 4 19 | 2 53 | 12 26 | 0 38 | 9 21 | 0 1 | 22 3 | 0 55 | 22 37 | 0 29 | 15 28 | 2 10 | 17 59 | 0 19 | 17 29 | 0 22 | 6 59 | 14 17 | 13 57 | 14 22 | 12 27 | 8 56 | 0 36 |
| T 8 | 5 18 | 0s29 | 3 53 | 12 3 | 0 49 | 9 50 | 0s 2 | 22 6 | 0 54 | 22 37 | 0 29 | 15 29 | 2 10 | 18 0 | 0 19 | 17 29 | 0 22 | 7 0 | 14 17 | 13 58 | 14 23 | 12 29 | 8 58 | 0 36 |
| F 9 | 4 56 | 5 16 | 4 38 | 11 37 | 0 59 | 10 19 | 0 6 | 22 10 | 0 53 | 22 37 | 0 29 | 15 30 | 2 10 | 18 0 | 0 19 | 17 30 | 0 22 | 7 0 | 14 16 | 13 59 | 14 24 | 12 31 | 9 1 | 0 36 |
| S 10 | 4 33 | 9 45 | 5 6 | 11 9 | 1 8 | 10 47 | 0 10 | 22 13 | 0 52 | 22 36 | 0 29 | 15 32 | 2 10 | 18 1 | 0 19 | 17 30 | 0 22 | 7 1 | 14 16 | 14 0 | 14 25 | 12 32 | 9 3 | 0 35 |
| S 11 | 4 11 | 13 37 | 5 13 | 10 38 | 1 16 | 11 16 | 0 14 | 22 16 | 0 51 | 22 36 | 0 29 | 15 33 | 2 9 | 18 2 | 0 19 | 17 30 | 0 22 | 7 1 | 14 15 | 14 1 | 14 26 | 12 34 | 9 6 | 0 35 |
| M12 | 3 48 | 16 38 | 5 1 | 10 4 | 1 23 | 11 44 | 0 17 | 22 19 | 0 50 | 22 35 | 0 29 | 15 35 | 2 9 | 18 2 | 0 19 | 17 31 | 0 22 | 7 2 | 14 15 | 14 2 | 14 27 | 12 36 | 9 9 | 0 35 |
| T 13 | 3 25 | 18 36 | 4 31 | 9 28 | 1 30 | 12 11 | 0 21 | 22 22 | 0 49 | 22 35 | 0 29 | 15 36 | 2 9 | 18 3 | 0 19 | 17 31 | 0 22 | 7 3 | 14 14 | 14 2 | 14 28 | 12 37 | 9 11 | 0 34 |
| W14 | 3 3 | 19 25 | 3 45 | 8 51 | 1 35 | 12 39 | 0 25 | 22 25 | 0 47 | 22 34 | 0 29 | 15 38 | 2 9 | 18 3 | 0 19 | 17 31 | 0 22 | 7 4 | 14 13 | 14 1 | 14 29 | 12 39 | 9 14 | 0 34 |
| T 15 | 2 40 | 19 4 | 2 47 | 8 11 | 1 39 | 13 6 | 0 29 | 22 27 | 0 46 | 22 34 | 0 29 | 15 39 | 2 9 | 18 4 | 0 19 | 17 31 | 0 22 | 7 4 | 14 13 | 14 1 | 14 30 | 12 41 | 9 17 | 0 34 |
| F 16 | 2 17 | 17 38 | 1 41 | 7 30 | 1 42 | 13 33 | 0 33 | 22 30 | 0 45 | 22 33 | 0 29 | 15 41 | 2 8 | 18 4 | 0 19 | 17 32 | 0 22 | 7 5 | 14 12 | 14 1 | 14 31 | 12 43 | 9 19 | 0 33 |
| S 17 | 1 54 | 15 16 | 0 31 | 6 47 | 1 45 | 14 0 | 0 37 | 22 32 | 0 44 | 22 33 | 0 29 | 15 42 | 2 8 | 18 5 | 0 19 | 17 32 | 0 22 | 7 6 | 14 12 | 14 0 | 14 32 | 12 44 | 9 22 | 0 33 |
| S 18 | 1 31 | 12 10 | 0s40 | 6 3 | 1 46 | 14 27 | 0 41 | 22 34 | 0 42 | 22 32 | 0 28 | 15 44 | 2 8 | 18 6 | 0 19 | 17 32 | 0 22 | 7 6 | 14 11 | 14 0 | 14 33 | 12 46 | 9 24 | 0 33 |
| M19 | 1 8 | 8 33 | 1 47 | 5 18 | 1 47 | 14 53 | 0 45 | 22 36 | 0 41 | 22 32 | 0 28 | 15 45 | 2 8 | 18 6 | 0 18 | 17 33 | 0 22 | 7 7 | 14 11 | 14 1 | 14 34 | 12 48 | 9 27 | 0 32 |
| T 20 | 0 45 | 4 35 | 2 48 | 4 32 | 1 47 | 15 19 | 0 49 | 22 38 | 0 40 | 22 31 | 0 28 | 15 47 | 2 8 | 18 7 | 0 18 | 17 33 | 0 22 | 7 8 | 14 10 | 14 2 | 14 35 | 12 50 | 9 30 | 0 32 |
| W21 | 0 22 | 0 30 | 3 40 | 3 45 | 1 46 | 15 44 | 0 53 | 22 40 | 0 38 | 22 31 | 0 28 | 15 48 | 2 7 | 18 8 | 0 18 | 17 33 | 0 22 | 7 8 | 14 10 | 14 4 | 14 36 | 12 51 | 9 33 | 0 31 |
| T 22 | 0s 1 | 3n33 | 4 21 | 2 58 | 1 45 | 16 10 | 0 57 | 22 41 | 0 37 | 22 30 | 0 28 | 15 50 | 2 7 | 18 8 | 0 18 | 17 33 | 0 22 | 7 9 | 14 9 | 14 6 | 14 37 | 12 53 | 9 35 | 0 31 |
| F 23 | 0 24 | 7 25 | 4 50 | 2 11 | 1 43 | 16 34 | 1 1 | 22 43 | 0 35 | 22 30 | 0 28 | 15 51 | 2 7 | 18 9 | 0 18 | 17 34 | 0 22 | 7 10 | 14 9 | 14 8 | 14 38 | 12 55 | 9 38 | 0 31 |
| S 24 | 0 47 | 10 57 | 5 6 | 1 23 | 1 40 | 16 59 | 1 5 | 22 44 | 0 34 | 22 30 | 0 28 | 15 53 | 2 7 | 18 10 | 0 18 | 17 34 | 0 22 | 7 10 | 14 8 | 14 10 | 14 39 | 12 57 | 9 41 | 0 30 |
| S 25 | 1 10 | 14 1 | 5 8 | 0 35 | 1 37 | 17 23 | 1 9 | 22 46 | 0 33 | 22 29 | 0 28 | 15 55 | 2 7 | 18 10 | 0 18 | 17 34 | 0 22 | 7 11 | 14 8 | 14 12 | 14 40 | 12 58 | 9 44 | 0 30 |
| M26 | 1 33 | 16 31 | 4 58 | 0s13 | 1 34 | 17 47 | 1 13 | 22 47 | 0 31 | 22 29 | 0 28 | 15 56 | 2 7 | 18 11 | 0 18 | 17 34 | 0 22 | 7 12 | 14 7 | 14 14 | 14 41 | 13 0 | 9 46 | 0 30 |
| T 27 | 1 56 | 18 19 | 4 34 | 1 1 | 1 30 | 18 10 | 1 17 | 22 48 | 0 30 | 22 28 | 0 28 | 15 58 | 2 6 | 18 12 | 0 18 | 17 34 | 0 22 | 7 12 | 14 7 | 14 15 | 14 42 | 13 2 | 9 49 | 0 29 |
| W28 | 2 19 | 19 20 | 3 58 | 1 49 | 1 25 | 18 33 | 1 21 | 22 49 | 0 28 | 22 28 | 0 28 | 16 0 | 2 6 | 18 13 | 0 18 | 17 35 | 0 22 | 7 13 | 14 7 | 14 15 | 14 43 | 13 3 | 9 52 | 0 29 |
| T 29 | 2 42 | 19 28 | 3 11 | 2 36 | 1 20 | 18 56 | 1 25 | 22 50 | 0 27 | 22 27 | 0 28 | 16 1 | 2 6 | 18 13 | 0 18 | 17 35 | 0 22 | 7 14 | 14 6 | 14 15 | 14 44 | 13 5 | 9 55 | 0 29 |
| F 30 | 3s 5 | 18n40 | 2s14 | 3s23 | 1n15 | 19s18 | 1s29 | 22n51 | 0s25 | 22n27 | 0s28 | 16s 3 | 2n 6 | 18s14 | 0n18 | 17s35 | 0n22 | 7s15 | 14n 6 | 14n15 | 14n45 | 13n 7 | 9s57 | 0s28 |

Julian Day Number = 2811552.5, Delta T = 53m19s
Ecliptic obliquity = 23°18'35, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'17, Lahiri = 37°39'18


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# ASTRODIENST EPHEMERIS for the year 2985
# geocentric

## OCTOBER 2985 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 42 8 | 8♎47'10 | 8♌42 | 13♎21 | 21♏58 | 3♋32 | 10♋18 | 21♏44 | 23♏28 | 8°R54 | 5♐42 | 21♌33 | 19♌54 | 21♉48 | 24♎50 | S 1 |
| S 2 | 0 46 4 | 9°45'40 | 21°56 | 15° 8 | 23° 6 | 4° 1 | 10°23 | 21°50 | 23°31 | 8♒54 | 5°43 | 21°R34 | 19°51 | 21°54 | 24°58 | S 2 |
| M 3 | 0 50 1 | 10°44'12 | 5♍37 | 16°54 | 24°13 | 4°30 | 10°28 | 21°56 | 23°34 | 8°53 | 5°45 | 21°33 | 19°48 | 22° 1 | 25° 7 | M 3 |
| T 4 | 0 53 57 | 11°42'46 | 19°46 | 18°39 | 25°21 | 4°59 | 10°33 | 22° 2 | 23°37 | 8°53 | 5°46 | 21°30 | 19°45 | 22° 8 | 25°16 | T 4 |
| W 5 | 0 57 54 | 12°41'22 | 4♎19 | 20°23 | 26°29 | 5°27 | 10°38 | 22° 8 | 23°40 | 8°52 | 5°48 | 21°25 | 19°41 | 22°15 | 25°24 | W 5 |
| T 6 | 1 1 51 | 13°40'00 | 19°11 | 22° 5 | 27°36 | 5°55 | 10°43 | 22°14 | 23°43 | 8°52 | 5°49 | 21°18 | 19°38 | 22°21 | 25°33 | T 6 |
| F 7 | 1 5 47 | 14°38'39 | 4♏13 | 23°47 | 28°44 | 6°22 | 10°47 | 22°20 | 23°46 | 8°51 | 5°51 | 21°10 | 19°35 | 22°28 | 25°41 | F 7 |
| S 8 | 1 9 44 | 15°37'21 | 19°15 | 25°28 | 29°51 | 6°49 | 10°51 | 22°27 | 23°50 | 8°51 | 5°53 | 21° 2 | 19°32 | 22°35 | 25°50 | S 8 |
| S 9 | 1 13 40 | 16°36'04 | 4♐ 9 | 27° 8 | 0♐58 | 7°16 | 10°55 | 22°33 | 23°53 | 8°51 | 5°55 | 20°54 | 19°29 | 22°41 | 25°59 | S 9 |
| M10 | 1 17 37 | 17°34'49 | 18°46 | 28°47 | 2° 5 | 7°42 | 10°59 | 22°39 | 23°56 | 8°50 | 5°56 | 20°49 | 19°25 | 22°48 | 26° 7 | M10 |
| T 11 | 1 21 33 | 18°33'36 | 3♑ 3 | 0♏25 | 3°12 | 8° 8 | 11° 3 | 22°46 | 23°59 | 8°50 | 5°58 | 20°46 | 19°22 | 22°55 | 26°16 | T 11 |
| W12 | 1 25 30 | 19°32'24 | 16°56 | 2° 2 | 4°18 | 8°34 | 11° 6 | 22°52 | 24° 2 | 8°50 | 6° 0 | 20°D45 | 19°19 | 23° 2 | 26°25 | W12 |
| T 13 | 1 29 26 | 20°31'14 | 0♒28 | 3°38 | 5°25 | 8°59 | 11°10 | 22°59 | 24° 6 | 8°49 | 6° 2 | 20°45 | 19°16 | 23° 8 | 26°33 | T 13 |
| F 14 | 1 33 23 | 21°30'06 | 13°39 | 5°13 | 6°31 | 9°23 | 11°13 | 23° 5 | 24° 9 | 8°49 | 6° 4 | 20°46 | 19°13 | 23°15 | 26°42 | F 14 |
| S 15 | 1 37 20 | 22°28'59 | 26°33 | 6°48 | 7°37 | 9°47 | 11°16 | 23°12 | 24°12 | 8°49 | 6° 5 | 20°R46 | 19°10 | 23°22 | 26°51 | S 15 |
| S 16 | 1 41 16 | 23°27'54 | 9♓12 | 8°21 | 8°43 | 10°11 | 11°18 | 23°18 | 24°16 | 8°49 | 6° 7 | 20°44 | 19° 6 | 23°28 | 26°59 | S 16 |
| M17 | 1 45 13 | 24°26'51 | 21°40 | 9°54 | 9°49 | 10°35 | 11°21 | 23°25 | 24°19 | 8°49 | 6° 9 | 20°40 | 19° 3 | 23°35 | 27° 8 | M17 |
| T 18 | 1 49 9 | 25°25'49 | 3♈58 | 11°26 | 10°55 | 10°57 | 11°23 | 23°32 | 24°22 | 8°49 | 6°11 | 20°33 | 19° 0 | 23°42 | 27°17 | T 18 |
| W19 | 1 53 6 | 26°24'49 | 16° 8 | 12°57 | 12° 0 | 11°20 | 11°25 | 23°38 | 24°26 | 8°49 | 6°13 | 20°24 | 18°57 | 23°49 | 27°25 | W19 |
| T 20 | 1 57 2 | 27°23'52 | 28°12 | 14°27 | 13° 6 | 11°42 | 11°27 | 23°45 | 24°29 | 8°D48 | 6°15 | 20°12 | 18°54 | 23°55 | 27°34 | T 20 |
| F 21 | 2 0 59 | 28°22'56 | 10♉10 | 15°56 | 14°11 | 12° 3 | 11°29 | 23°52 | 24°33 | 8°48 | 6°17 | 19°59 | 18°50 | 24° 2 | 27°43 | F 21 |
| S 22 | 2 4 55 | 29°22'02 | 22° 5 | 17°24 | 15°16 | 12°24 | 11°31 | 23°58 | 24°36 | 8°49 | 6°19 | 19°46 | 18°47 | 24° 9 | 27°52 | S 22 |
| S 23 | 2 8 52 | 0♏21'11 | 3♊56 | 18°52 | 16°20 | 12°45 | 11°32 | 24° 5 | 24°40 | 8°49 | 6°21 | 19°34 | 18°44 | 24°16 | 28° 0 | S 23 |
| M24 | 2 12 49 | 1°20'21 | 15°48 | 20°19 | 17°25 | 13° 5 | 11°33 | 24°12 | 24°43 | 8°49 | 6°23 | 19°24 | 18°41 | 24°22 | 28° 9 | M24 |
| T 25 | 2 16 45 | 2°19'34 | 27°41 | 21°45 | 18°29 | 13°24 | 11°34 | 24°19 | 24°47 | 8°49 | 6°25 | 19°17 | 18°38 | 24°29 | 28°18 | T 25 |
| W26 | 2 20 42 | 3°18'49 | 9♋41 | 23°10 | 19°33 | 13°43 | 11°35 | 24°26 | 24°50 | 8°49 | 6°27 | 19°12 | 18°35 | 24°36 | 28°26 | W26 |
| T 27 | 2 24 38 | 4°18'06 | 21°50 | 24°34 | 20°37 | 14° 1 | 11°36 | 24°33 | 24°54 | 8°49 | 6°29 | 19° 9 | 18°31 | 24°42 | 28°35 | T 27 |
| F 28 | 2 28 35 | 5°17'26 | 4♌15 | 25°57 | 21°40 | 14°19 | 11°36 | 24°40 | 24°57 | 8°50 | 6°31 | 19°D 9 | 18°28 | 24°49 | 28°44 | F 28 |
| S 29 | 2 32 31 | 6°16'48 | 16°59 | 27°19 | 22°44 | 14°36 | 11°R36 | 24°47 | 25° 1 | 8°50 | 6°34 | 19°R 9 | 18°25 | 24°56 | 28°52 | S 29 |
| S 30 | 2 36 28 | 7°16'11 | 0♍ 7 | 28°40 | 23°47 | 14°53 | 11°36 | 24°54 | 25° 5 | 8°50 | 6°36 | 19° 9 | 18°22 | 25° 3 | 29° 1 | S 30 |
| M31 | 2 40 24 | 8♏15'38 | 13♍44 | 0♐ 1 | 24♐50 | 15♋ 8 | 11♋36 | 25♏ 1 | 25♏ 8 | 8♒50 | 6♐38 | 19♌ 7 | 18♌19 | 25♉ 9 | 29♎10 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3s28 | 16n53 | 1s 9 | 4s10 | 1n10 | 19s40 | 1s34 | 22n52 | 0s24 | 22n27 | 0s28 | 16s 5 | 2n 6 | 18s15 | 0n18 | 17s35 | 0n22 | 7s15 | 14n 5 | 14n15 | 14n46 | 13n 9 | 10s 0 | 0s28 |
| S 2 | 3 51 | 14 9 | 0n 2 | 4 56 | 1 4 | 20 1 | 1 38 | 22 53 | 0 22 | 22 26 | 0 28 | 16 6 | 2 6 | 18 16 | 0 18 | 17 35 | 0 22 | 7 16 | 14 5 | 14 14 | 14 47 | 13 10 | 10 3 | 0 28 |
| M 3 | 4 14 | 10 34 | 1 15 | 5 42 | 0 58 | 20 22 | 1 42 | 22 54 | 0 20 | 22 26 | 0 28 | 16 8 | 2 5 | 18 16 | 0 18 | 17 36 | 0 21 | 7 17 | 14 4 | 14 15 | 14 48 | 13 12 | 10 6 | 0 27 |
| T 4 | 4 36 | 6 16 | 2 26 | 6 28 | 0 52 | 20 43 | 1 46 | 22 54 | 0 19 | 22 25 | 0 28 | 16 10 | 2 5 | 18 17 | 0 18 | 17 36 | 0 21 | 7 17 | 14 4 | 14 16 | 14 49 | 13 14 | 10 9 | 0 27 |
| W 5 | 4 59 | 1 30 | 3 29 | 7 13 | 0 46 | 21 2 | 1 50 | 22 55 | 0 17 | 22 25 | 0 28 | 16 11 | 2 5 | 18 18 | 0 18 | 17 36 | 0 21 | 7 18 | 14 3 | 14 17 | 14 50 | 13 15 | 10 11 | 0 27 |
| T 6 | 5 22 | 3s28 | 4 19 | 7 57 | 0 39 | 21 22 | 1 54 | 22 55 | 0 16 | 22 25 | 0 28 | 16 13 | 2 5 | 18 19 | 0 18 | 17 36 | 0 21 | 7 19 | 14 3 | 14 19 | 14 51 | 13 17 | 10 14 | 0 26 |
| F 7 | 5 44 | 8 16 | 4 52 | 8 41 | 0 33 | 21 41 | 1 58 | 22 56 | 0 14 | 22 24 | 0 28 | 16 15 | 2 5 | 18 19 | 0 18 | 17 36 | 0 21 | 7 19 | 14 3 | 14 22 | 14 52 | 13 19 | 10 17 | 0 26 |
| S 8 | 6 7 | 12 32 | 5 5 | 9 24 | 0 26 | 21 59 | 2 2 | 22 56 | 0 12 | 22 24 | 0 28 | 16 16 | 2 5 | 18 20 | 0 18 | 17 36 | 0 21 | 7 20 | 14 2 | 14 25 | 14 53 | 13 20 | 10 20 | 0 26 |
| S 9 | 6 29 | 15 59 | 4 57 | 10 6 | 0 19 | 22 17 | 2 6 | 22 56 | 0 10 | 22 24 | 0 28 | 16 18 | 2 4 | 18 21 | 0 18 | 17 36 | 0 21 | 7 21 | 14 2 | 14 27 | 14 54 | 13 22 | 10 23 | 0 26 |
| M10 | 6 52 | 18 21 | 4 30 | 10 48 | 0 12 | 22 35 | 2 10 | 22 57 | 0 9 | 22 24 | 0 28 | 16 20 | 2 4 | 18 22 | 0 18 | 17 37 | 0 21 | 7 21 | 14 1 | 14 29 | 14 55 | 13 24 | 10 25 | 0 25 |
| T 11 | 7 14 | 19 30 | 3 47 | 11 29 | 0 5 | 22 52 | 2 14 | 22 57 | 0 7 | 22 23 | 0 28 | 16 22 | 2 4 | 18 23 | 0 18 | 17 37 | 0 21 | 7 22 | 14 1 | 14 30 | 14 56 | 13 26 | 10 28 | 0 25 |
| W12 | 7 36 | 19 25 | 2 51 | 12 9 | 0s 2 | 23 8 | 2 17 | 22 57 | 0 5 | 22 23 | 0 28 | 16 23 | 2 4 | 18 23 | 0 18 | 17 37 | 0 21 | 7 23 | 14 0 | 14 30 | 14 57 | 13 27 | 10 31 | 0 25 |
| T 13 | 7 58 | 18 13 | 1 46 | 12 48 | 0 9 | 23 24 | 2 21 | 22 57 | 0 3 | 22 23 | 0 28 | 16 25 | 2 4 | 18 24 | 0 18 | 17 37 | 0 21 | 7 23 | 14 0 | 14 30 | 14 58 | 13 29 | 10 34 | 0 24 |
| F 14 | 8 20 | 16 2 | 0 38 | 13 27 | 0 17 | 23 40 | 2 25 | 22 57 | 0 1 | 22 23 | 0 28 | 16 27 | 2 4 | 18 25 | 0 18 | 17 37 | 0 21 | 7 24 | 14 0 | 14 30 | 14 59 | 13 31 | 10 37 | 0 24 |
| S 15 | 8 42 | 13 5 | 0s31 | 14 5 | 0 24 | 23 55 | 2 29 | 22 58 | 0n 1 | 22 22 | 0 28 | 16 28 | 2 4 | 18 26 | 0 18 | 17 37 | 0 21 | 7 25 | 13 59 | 14 30 | 15 0 | 13 32 | 10 40 | 0 24 |
| S 16 | 9 4 | 9 34 | 1 37 | 14 42 | 0 31 | 24 9 | 2 32 | 22 58 | 0 3 | 22 22 | 0 28 | 16 30 | 2 4 | 18 27 | 0 18 | 17 37 | 0 21 | 7 25 | 13 59 | 14 30 | 15 1 | 13 34 | 10 42 | 0 23 |
| M17 | 9 26 | 5 41 | 2 37 | 15 18 | 0 38 | 24 23 | 2 36 | 22 58 | 0 4 | 22 22 | 0 28 | 16 32 | 2 3 | 18 28 | 0 18 | 17 37 | 0 21 | 7 26 | 13 59 | 14 31 | 15 2 | 13 36 | 10 45 | 0 23 |
| T 18 | 9 47 | 1 37 | 3 28 | 15 54 | 0 45 | 24 36 | 2 40 | 22 58 | 0 6 | 22 22 | 0 28 | 16 34 | 2 3 | 18 28 | 0 18 | 17 37 | 0 21 | 7 27 | 13 58 | 14 34 | 15 3 | 13 37 | 10 48 | 0 23 |
| W19 | 10 8 | 2n28 | 4 10 | 16 28 | 0 53 | 24 48 | 2 43 | 22 58 | 0 8 | 22 22 | 0 28 | 16 35 | 2 3 | 18 29 | 0 18 | 17 37 | 0 21 | 7 27 | 13 58 | 14 37 | 15 4 | 13 39 | 10 51 | 0 22 |
| T 20 | 10 29 | 6 25 | 4 40 | 17 2 | 1 0 | 25 0 | 2 47 | 22 58 | 0 10 | 22 21 | 0 28 | 16 37 | 2 3 | 18 30 | 0 18 | 17 37 | 0 21 | 7 28 | 13 57 | 14 40 | 15 5 | 13 41 | 10 54 | 0 22 |
| F 21 | 10 51 | 10 5 | 4 57 | 17 35 | 1 7 | 25 12 | 2 50 | 22 58 | 0 13 | 22 21 | 0 28 | 16 39 | 2 3 | 18 31 | 0 18 | 17 37 | 0 21 | 7 29 | 13 57 | 14 44 | 15 6 | 13 42 | 10 57 | 0 22 |
| S 22 | 11 11 | 13 20 | 5 1 | 18 7 | 1 14 | 25 22 | 2 53 | 22 59 | 0 15 | 22 21 | 0 28 | 16 41 | 2 3 | 18 32 | 0 18 | 17 37 | 0 21 | 7 29 | 13 57 | 14 48 | 15 7 | 13 44 | 10 59 | 0 21 |
| S 23 | 11 32 | 16 2 | 4 52 | 18 38 | 1 21 | 25 33 | 2 57 | 22 59 | 0 17 | 22 21 | 0 28 | 16 43 | 2 3 | 18 33 | 0 18 | 17 37 | 0 21 | 7 30 | 13 56 | 14 52 | 15 8 | 13 46 | 11 2 | 0 21 |
| M24 | 11 53 | 18 4 | 4 30 | 19 8 | 1 27 | 25 42 | 3 0 | 22 59 | 0 19 | 22 21 | 0 28 | 16 44 | 2 3 | 18 33 | 0 18 | 17 37 | 0 21 | 7 31 | 13 56 | 14 55 | 15 9 | 13 47 | 11 5 | 0 21 |
| T 25 | 12 13 | 19 20 | 3 57 | 19 37 | 1 34 | 25 51 | 3 3 | 22 59 | 0 21 | 22 21 | 0 28 | 16 46 | 2 3 | 18 34 | 0 18 | 17 37 | 0 21 | 7 31 | 13 56 | 14 58 | 15 10 | 13 49 | 11 8 | 0 20 |
| W26 | 12 33 | 19 45 | 3 13 | 20 5 | 1 41 | 26 0 | 3 6 | 23 0 | 0 23 | 22 21 | 0 28 | 16 48 | 2 2 | 18 35 | 0 18 | 17 37 | 0 21 | 7 32 | 13 55 | 14 59 | 15 11 | 13 51 | 11 11 | 0 20 |
| T 27 | 12 53 | 19 15 | 2 19 | 20 32 | 1 47 | 26 7 | 3 9 | 23 0 | 0 26 | 22 21 | 0 28 | 16 50 | 2 2 | 18 36 | 0 18 | 17 37 | 0 21 | 7 33 | 13 55 | 15 0 | 15 12 | 13 52 | 11 13 | 0 20 |
| F 28 | 13 13 | 17 50 | 1 18 | 20 58 | 1 53 | 26 15 | 3 12 | 23 0 | 0 28 | 22 21 | 0 28 | 16 51 | 2 2 | 18 37 | 0 18 | 17 37 | 0 21 | 7 33 | 13 55 | 15 0 | 15 13 | 13 54 | 11 16 | 0 19 |
| S 29 | 13 32 | 15 29 | 0 12 | 21 24 | 1 59 | 26 21 | 3 15 | 23 1 | 0 30 | 22 21 | 0 28 | 16 53 | 2 2 | 18 38 | 0 18 | 17 37 | 0 21 | 7 34 | 13 55 | 15 0 | 15 14 | 13 56 | 11 19 | 0 19 |
| S 30 | 13 52 | 12 16 | 0n58 | 21 48 | 2 5 | 26 27 | 3 17 | 23 1 | 0 32 | 22 21 | 0 27 | 16 55 | 2 2 | 18 39 | 0 18 | 17 37 | 0 21 | 7 34 | 13 54 | 15 0 | 15 15 | 13 57 | 11 22 | 0 19 |
| M31 | 14s11 | 8n18 | 2n 6 | 22s11 | 2s11 | 26s32 | 3s20 | 23n 2 | 0n35 | 22n21 | 0s27 | 16s57 | 2n 2 | 18s40 | 0n18 | 17s37 | 0n21 | 7s35 | 13n54 | 15n 1 | 15n15 | 13n59 | 11s24 | 0s19 |

Julian Day Number = 2811582.5, Delta T = 53m20s
Ecliptic obliquity = 23°18'35, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'22, Lahiri = 37°39'22


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# ASTRODIENST EPHEMERIS for the year 2985
# geocentric

## NOVEMBER 2985 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 44 21 | 9♏15'06 | 27♍50 | 1♐20 | 25♐52 | 15♋24 | 11°R36 | 25♏ 8 | 25♏12 | 8♒51 | 6♐40 | 19°R 2 | 18♌16 | 25♉16 | 29♎18 | T 1 |
| W 2 | 2 48 18 | 10°14'37 | 12♎26 | 2°37 | 26°54 | 15°38 | 11♋35 | 25°15 | 25°16 | 8°51 | 6°42 | 18♌55 | 18°12 | 25°23 | 29°27 | W 2 |
| T 3 | 2 52 14 | 11°14'10 | 27°25 | 3°54 | 27°56 | 15°52 | 11°34 | 25°22 | 25°19 | 8°52 | 6°44 | 18°46 | 18° 9 | 25°29 | 29°36 | T 3 |
| F 4 | 2 56 11 | 12°13'44 | 12♏40 | 5° 9 | 28°58 | 16° 6 | 11°33 | 25°29 | 25°23 | 8°52 | 6°47 | 18°35 | 18° 6 | 25°36 | 29°44 | F 4 |
| S 5 | 3 0 7 | 13°13'21 | 27°59 | 6°23 | 29°59 | 16°19 | 11°32 | 25°36 | 25°27 | 8°53 | 6°49 | 18°23 | 18° 3 | 25°43 | 29°53 | S 5 |
| S 6 | 3 4 4 | 14°13'00 | 13♐11 | 7°35 | 1♑ 0 | 16°31 | 11°31 | 25°43 | 25°30 | 8°53 | 6°51 | 18°13 | 18° 0 | 25°50 | 0♏ 1 | S 6 |
| M 7 | 3 8 0 | 15°12'41 | 28° 6 | 8°45 | 2° 1 | 16°42 | 11°29 | 25°51 | 25°34 | 8°54 | 6°53 | 18° 5 | 17°56 | 25°56 | 0°10 | M 7 |
| T 8 | 3 11 57 | 16°12'23 | 12♑37 | 9°53 | 3° 1 | 16°52 | 11°27 | 25°58 | 25°38 | 8°54 | 6°56 | 17°59 | 17°53 | 26° 3 | 0°19 | T 8 |
| W 9 | 3 15 53 | 17°12'07 | 26°40 | 11° 0 | 4° 1 | 17° 2 | 11°25 | 26° 5 | 25°42 | 8°55 | 6°58 | 17°57 | 17°50 | 26°10 | 0°27 | W 9 |
| T 10 | 3 19 50 | 18°11'53 | 10♒16 | 12° 4 | 5° 1 | 17°12 | 11°23 | 26°12 | 25°45 | 8°56 | 7° 0 | 17°56 | 17°47 | 26°17 | 0°36 | T 10 |
| F 11 | 3 23 47 | 19°11'40 | 23°26 | 13° 5 | 6° 0 | 17°20 | 11°20 | 26°19 | 25°49 | 8°56 | 7° 3 | 17°56 | 17°44 | 26°23 | 0°44 | F 11 |
| S 12 | 3 27 43 | 20°11'29 | 6♓14 | 14° 3 | 6°59 | 17°28 | 11°18 | 26°26 | 25°53 | 8°57 | 7° 5 | 17°55 | 17°41 | 26°30 | 0°52 | S 12 |
| S 13 | 3 31 40 | 21°11'19 | 18°45 | 14°59 | 7°57 | 17°35 | 11°15 | 26°34 | 25°57 | 8°58 | 7° 7 | 17°53 | 17°37 | 26°37 | 1° 1 | S 13 |
| M14 | 3 35 36 | 22°11'11 | 1♈ 3 | 15°50 | 8°55 | 17°41 | 11°12 | 26°41 | 26° 0 | 8°59 | 7°10 | 17°48 | 17°34 | 26°43 | 1° 9 | M14 |
| T 15 | 3 39 33 | 23°11'04 | 13°10 | 16°38 | 9°53 | 17°46 | 11° 9 | 26°48 | 26° 4 | 9° 0 | 7°12 | 17°40 | 17°31 | 26°50 | 1°18 | T 15 |
| W16 | 3 43 29 | 24°11'00 | 25°11 | 17°22 | 10°50 | 17°51 | 11° 5 | 26°55 | 26° 8 | 9° 1 | 7°14 | 17°30 | 17°28 | 26°57 | 1°26 | W16 |
| T 17 | 3 47 26 | 25°10'57 | 7♉ 8 | 18° 0 | 11°46 | 17°54 | 11° 2 | 27° 3 | 26°12 | 9° 1 | 7°17 | 17°17 | 17°25 | 27° 4 | 1°34 | T 17 |
| F 18 | 3 51 22 | 26°10'56 | 19° 2 | 18°34 | 12°42 | 17°57 | 10°58 | 27°10 | 26°15 | 9° 2 | 7°19 | 17° 3 | 17°22 | 27°10 | 1°42 | F 18 |
| S 19 | 3 55 19 | 27°10'56 | 0♊54 | 19° 1 | 13°38 | 17°59 | 10°54 | 27°17 | 26°19 | 9° 3 | 7°21 | 16°48 | 17°18 | 27°17 | 1°51 | S 19 |
| S 20 | 3 59 16 | 28°10'59 | 12°47 | 19°21 | 14°33 | 18° 1 | 10°50 | 27°24 | 26°23 | 9° 4 | 7°24 | 16°34 | 17°15 | 27°24 | 1°59 | S 20 |
| M21 | 4 3 12 | 29°11'03 | 24°41 | 19°35 | 15°27 | 18°R 1 | 10°46 | 27°32 | 26°27 | 9° 5 | 7°26 | 16°23 | 17°12 | 27°30 | 2° 7 | M21 |
| T 22 | 4 7 9 | 0♐11'10 | 6♋38 | 19°R40 | 16°21 | 18° 1 | 10°41 | 27°39 | 26°30 | 9° 6 | 7°29 | 16°14 | 17° 9 | 27°37 | 2°15 | T 22 |
| W23 | 4 11 5 | 1°11'18 | 18°41 | 19°37 | 17°14 | 17°59 | 10°36 | 27°46 | 26°34 | 9° 8 | 7°31 | 16° 8 | 17° 6 | 27°44 | 2°23 | W23 |
| T 24 | 4 15 2 | 2°11'28 | 0♌53 | 19°25 | 18° 6 | 17°57 | 10°31 | 27°53 | 26°38 | 9° 9 | 7°33 | 16° 5 | 17° 2 | 27°51 | 2°31 | T 24 |
| F 25 | 4 18 58 | 3°11'40 | 13°18 | 19° 2 | 18°58 | 17°54 | 10°26 | 28° 1 | 26°42 | 9°10 | 7°36 | 16°D 4 | 16°59 | 27°57 | 2°39 | F 25 |
| S 26 | 4 22 55 | 4°11'54 | 25°59 | 18°30 | 19°49 | 17°50 | 10°21 | 28° 8 | 26°45 | 9°11 | 7°38 | 16° 4 | 16°56 | 28° 4 | 2°47 | S 26 |
| S 27 | 4 26 51 | 5°12'10 | 9♍ 2 | 17°48 | 20°40 | 17°45 | 10°16 | 28°15 | 26°49 | 9°12 | 7°41 | 16°R 4 | 16°53 | 28°11 | 2°55 | S 27 |
| M28 | 4 30 48 | 6°12'28 | 22°29 | 16°56 | 21°29 | 17°40 | 10°10 | 28°22 | 26°53 | 9°13 | 7°43 | 16° 3 | 16°50 | 28°17 | 3° 3 | M28 |
| T 29 | 4 34 45 | 7°12'48 | 6♎25 | 15°55 | 22°18 | 17°33 | 10° 5 | 28°29 | 26°57 | 9°15 | 7°45 | 16° 0 | 16°47 | 28°24 | 3°11 | T 29 |
| W30 | 4 38 41 | 8♐13'10 | 20♎49 | 14♐46 | 23♑ 6 | 17♋26 | 9♋59 | 28♏37 | 27♏ 0 | 9♒16 | 7♐48 | 15♌54 | 16♌43 | 28♉31 | 3♏19 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s30 | 3n45 | 3n 9 | 22s32 | 2s16 | 26s37 | 3s23 | 23n 3 | 0n37 | 22n21 | 0s27 | 16s58 | 2n 2 | 18s40 | 0n18 | 17s37 | 0n21 | 7s36 | 13n54 | 15n 2 | 15n16 | 14n 1 | 11s27 | 0s18 |
| W 2 | 14 49 | 1s10 | 4 2 | 22 53 | 2 22 | 26 41 | 3 25 | 23 3 | 0 40 | 22 21 | 0 27 | 17 0 | 2 2 | 18 41 | 0 18 | 17 37 | 0 21 | 7 36 | 13 53 | 15 4 | 15 17 | 14 2 | 11 30 | 0 18 |
| T 3 | 15 7 | 6 8 | 4 40 | 23 13 | 2 27 | 26 45 | 3 27 | 23 4 | 0 42 | 22 21 | 0 27 | 17 2 | 2 2 | 18 42 | 0 18 | 17 37 | 0 21 | 7 37 | 13 53 | 15 7 | 15 18 | 14 4 | 11 33 | 0 18 |
| F 4 | 15 25 | 10 48 | 4 59 | 23 31 | 2 31 | 26 48 | 3 29 | 23 5 | 0 45 | 22 21 | 0 27 | 17 3 | 2 2 | 18 43 | 0 18 | 17 37 | 0 21 | 7 37 | 13 53 | 15 11 | 15 19 | 14 6 | 11 35 | 0 17 |
| S 5 | 15 43 | 14 47 | 4 56 | 23 49 | 2 36 | 26 50 | 3 31 | 23 6 | 0 47 | 22 22 | 0 27 | 17 5 | 2 2 | 18 44 | 0 18 | 17 36 | 0 21 | 7 38 | 13 53 | 15 14 | 15 20 | 14 7 | 11 38 | 0 17 |
| S 6 | 16 1 | 17 45 | 4 33 | 24 5 | 2 40 | 26 52 | 3 33 | 23 7 | 0 50 | 22 22 | 0 27 | 17 7 | 2 2 | 18 45 | 0 18 | 17 36 | 0 21 | 7 39 | 13 52 | 15 17 | 15 21 | 14 9 | 11 41 | 0 17 |
| M 7 | 16 19 | 19 27 | 3 51 | 24 20 | 2 43 | 26 53 | 3 35 | 23 8 | 0 52 | 22 22 | 0 27 | 17 9 | 2 1 | 18 46 | 0 18 | 17 36 | 0 21 | 7 39 | 13 52 | 15 20 | 15 22 | 14 11 | 11 44 | 0 16 |
| T 8 | 16 36 | 19 49 | 2 55 | 24 33 | 2 46 | 26 53 | 3 37 | 23 10 | 0 55 | 22 22 | 0 27 | 17 10 | 2 1 | 18 47 | 0 18 | 17 36 | 0 21 | 7 40 | 13 52 | 15 21 | 15 23 | 14 12 | 11 46 | 0 16 |
| W 9 | 16 53 | 18 55 | 1 50 | 24 46 | 2 49 | 26 53 | 3 38 | 23 11 | 0 58 | 22 22 | 0 27 | 17 12 | 2 1 | 18 48 | 0 18 | 17 36 | 0 21 | 7 40 | 13 52 | 15 22 | 15 24 | 14 14 | 11 49 | 0 16 |
| T 10 | 17 9 | 16 56 | 0 40 | 24 57 | 2 52 | 26 53 | 3 40 | 23 12 | 1 0 | 22 23 | 0 27 | 17 14 | 2 1 | 18 48 | 0 18 | 17 36 | 0 21 | 7 41 | 13 52 | 15 22 | 15 25 | 14 16 | 11 52 | 0 15 |
| F 11 | 17 26 | 14 6 | 0s29 | 25 7 | 2 53 | 26 51 | 3 41 | 23 14 | 1 3 | 22 23 | 0 27 | 17 16 | 2 1 | 18 49 | 0 18 | 17 36 | 0 21 | 7 41 | 13 51 | 15 22 | 15 26 | 14 17 | 11 54 | 0 15 |
| S 12 | 17 42 | 10 39 | 1 35 | 25 15 | 2 55 | 26 50 | 3 42 | 23 16 | 1 6 | 22 23 | 0 27 | 17 17 | 2 1 | 18 50 | 0 18 | 17 35 | 0 21 | 7 42 | 13 51 | 15 23 | 15 27 | 14 19 | 11 57 | 0 15 |
| S 13 | 17 58 | 6 48 | 2 35 | 25 22 | 2 55 | 26 47 | 3 43 | 23 18 | 1 8 | 22 23 | 0 27 | 17 19 | 2 1 | 18 51 | 0 18 | 17 35 | 0 21 | 7 43 | 13 51 | 15 23 | 15 28 | 14 21 | 11 59 | 0 15 |
| M14 | 18 13 | 2 45 | 3 27 | 25 28 | 2 55 | 26 44 | 3 44 | 23 20 | 1 11 | 22 24 | 0 27 | 17 21 | 2 1 | 18 52 | 0 18 | 17 35 | 0 21 | 7 43 | 13 51 | 15 25 | 15 29 | 14 22 | 12 2 | 0 14 |
| T 15 | 18 28 | 1n22 | 4 8 | 25 32 | 2 54 | 26 41 | 3 45 | 23 22 | 1 14 | 22 24 | 0 27 | 17 22 | 2 1 | 18 53 | 0 18 | 17 35 | 0 21 | 7 44 | 13 51 | 15 27 | 15 30 | 14 24 | 12 5 | 0 14 |
| W16 | 18 43 | 5 23 | 4 38 | 25 35 | 2 53 | 26 37 | 3 45 | 23 24 | 1 17 | 22 24 | 0 27 | 17 24 | 2 1 | 18 54 | 0 18 | 17 35 | 0 21 | 7 44 | 13 50 | 15 30 | 15 31 | 14 26 | 12 7 | 0 14 |
| T 17 | 18 57 | 9 10 | 4 55 | 25 36 | 2 50 | 26 32 | 3 46 | 23 26 | 1 20 | 22 25 | 0 27 | 17 26 | 2 1 | 18 55 | 0 18 | 17 34 | 0 21 | 7 45 | 13 50 | 15 34 | 15 32 | 14 27 | 12 10 | 0 13 |
| F 18 | 19 12 | 12 35 | 4 59 | 25 35 | 2 47 | 26 27 | 3 46 | 23 29 | 1 23 | 22 25 | 0 27 | 17 27 | 2 1 | 18 56 | 0 18 | 17 34 | 0 20 | 7 45 | 13 50 | 15 39 | 15 33 | 14 29 | 12 12 | 0 13 |
| S 19 | 19 25 | 15 29 | 4 51 | 25 33 | 2 42 | 26 22 | 3 46 | 23 32 | 1 26 | 22 25 | 0 27 | 17 29 | 2 1 | 18 56 | 0 18 | 17 34 | 0 20 | 7 46 | 13 50 | 15 43 | 15 34 | 14 30 | 12 15 | 0 13 |
| S 20 | 19 39 | 17 45 | 4 29 | 25 29 | 2 36 | 26 16 | 3 46 | 23 34 | 1 29 | 22 26 | 0 26 | 17 31 | 2 1 | 18 57 | 0 18 | 17 34 | 0 20 | 7 46 | 13 50 | 15 47 | 15 35 | 14 32 | 12 17 | 0 12 |
| M21 | 19 52 | 19 16 | 3 56 | 25 23 | 2 29 | 26 9 | 3 45 | 23 37 | 1 32 | 22 26 | 0 26 | 17 32 | 2 1 | 18 58 | 0 17 | 17 33 | 0 20 | 7 47 | 13 50 | 15 51 | 15 36 | 14 34 | 12 20 | 0 12 |
| T 22 | 20 5 | 19 56 | 3 12 | 25 15 | 2 21 | 26 2 | 3 45 | 23 40 | 1 35 | 22 27 | 0 26 | 17 34 | 2 1 | 18 59 | 0 17 | 17 33 | 0 20 | 7 47 | 13 50 | 15 53 | 15 37 | 14 35 | 12 22 | 0 12 |
| W23 | 20 17 | 19 42 | 2 20 | 25 5 | 2 11 | 25 55 | 3 44 | 23 44 | 1 38 | 22 27 | 0 26 | 17 36 | 2 1 | 19 0 | 0 17 | 17 33 | 0 20 | 7 48 | 13 49 | 15 55 | 15 38 | 14 37 | 12 25 | 0 11 |
| T 24 | 20 29 | 18 33 | 1 20 | 24 53 | 2 0 | 25 47 | 3 43 | 23 47 | 1 41 | 22 28 | 0 26 | 17 37 | 2 1 | 19 1 | 0 17 | 17 33 | 0 20 | 7 48 | 13 49 | 15 56 | 15 39 | 14 39 | 12 27 | 0 11 |
| F 25 | 20 41 | 16 30 | 0 15 | 24 38 | 1 47 | 25 38 | 3 42 | 23 50 | 1 44 | 22 28 | 0 26 | 17 39 | 2 1 | 19 2 | 0 17 | 17 32 | 0 20 | 7 48 | 13 49 | 15 56 | 15 40 | 14 40 | 12 30 | 0 11 |
| S 26 | 20 52 | 13 37 | 0n52 | 24 21 | 1 32 | 25 29 | 3 40 | 23 54 | 1 47 | 22 29 | 0 26 | 17 40 | 2 1 | 19 3 | 0 17 | 17 32 | 0 20 | 7 49 | 13 49 | 15 56 | 15 41 | 14 42 | 12 32 | 0 10 |
| S 27 | 21 3 | 9 59 | 1 59 | 24 1 | 1 16 | 25 20 | 3 39 | 23 58 | 1 50 | 22 29 | 0 26 | 17 42 | 2 1 | 19 3 | 0 17 | 17 32 | 0 20 | 7 49 | 13 49 | 15 56 | 15 41 | 14 43 | 12 35 | 0 10 |
| M28 | 21 14 | 5 44 | 3 1 | 23 39 | 0 59 | 25 11 | 3 37 | 24 2 | 1 54 | 22 30 | 0 26 | 17 43 | 2 1 | 19 4 | 0 17 | 17 31 | 0 20 | 7 50 | 13 49 | 15 56 | 15 42 | 14 45 | 12 37 | 0 10 |
| T 29 | 21 24 | 1 3 | 3 54 | 23 14 | 0 40 | 25 1 | 3 35 | 24 6 | 1 57 | 22 30 | 0 26 | 17 45 | 2 1 | 19 5 | 0 17 | 17 31 | 0 20 | 7 50 | 13 49 | 15 57 | 15 43 | 14 47 | 12 39 | 0 10 |
| W30 | 21s34 | 3s50 | 4n35 | 22s47 | 0s21 | 24s50 | 3s33 | 24n10 | 2n 0 | 22n31 | 0s26 | 17s47 | 2n 1 | 19s 6 | 0n17 | 17s31 | 0n20 | 7s51 | 13n49 | 15n59 | 15n44 | 14n48 | 12s42 | 0s 9 |

Julian Day Number = 2811613.5, Delta T = 53m20s
Ecliptic obliquity = 23°18'35, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'26, Lahiri = 37°39'26


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# ASTRODIENST EPHEMERIS for the year 2985
# geocentric

## DECEMBER 2985 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 42 38 | 9♐13'33 | 5♏39 | 13°R31 | 23♑53 | 17°R17 | 9°R53 | 28♏44 | 27♏ 4 | 9♒17 | 7♐50 | 15°R46 | 16♌40 | 28♉38 | 3♏26 | T 1 |
| F 2 | 4 46 34 | 10°13'59 | 20°48 | 12♐12 | 24°39 | 17♋ 8 | 9♋47 | 28°51 | 27° 8 | 9°19 | 7°53 | 15♌36 | 16°37 | 28°44 | 3°34 | F 2 |
| S 3 | 4 50 31 | 11°14'26 | 6♐ 6 | 10°50 | 25°25 | 16°58 | 9°40 | 28°58 | 27°11 | 9°20 | 7°55 | 15°26 | 16°34 | 28°51 | 3°42 | S 3 |
| S 4 | 4 54 27 | 12°14'55 | 21°23 | 9°30 | 26° 9 | 16°47 | 9°34 | 29° 5 | 27°15 | 9°21 | 7°57 | 15°17 | 16°31 | 28°58 | 3°49 | S 4 |
| M 5 | 4 58 24 | 13°15'25 | 6♑27 | 8°14 | 26°53 | 16°35 | 9°27 | 29°12 | 27°19 | 9°23 | 8° 0 | 15° 9 | 16°28 | 29° 5 | 3°57 | M 5 |
| T 6 | 5 2 20 | 14°15'57 | 21° 9 | 7° 3 | 27°35 | 16°22 | 9°21 | 29°19 | 27°22 | 9°24 | 8° 2 | 15° 5 | 16°24 | 29°11 | 4° 4 | T 6 |
| W 7 | 5 6 17 | 15°16'30 | 5♒23 | 6° 1 | 28°16 | 16° 9 | 9°14 | 29°26 | 27°26 | 9°26 | 8° 5 | 15° 2 | 16°21 | 29°18 | 4°12 | W 7 |
| T 8 | 5 10 14 | 16°17'04 | 19° 9 | 5° 9 | 28°57 | 15°54 | 9° 7 | 29°33 | 27°30 | 9°27 | 8° 7 | 15°D 2 | 16°18 | 29°25 | 4°19 | T 8 |
| F 9 | 5 14 10 | 17°17'39 | 2♓26 | 4°27 | 29°36 | 15°39 | 9° 0 | 29°41 | 27°33 | 9°29 | 8° 9 | 15° 3 | 16°15 | 29°31 | 4°26 | F 9 |
| S 10 | 5 18 7 | 18°18'15 | 15°18 | 3°57 | 0♒13 | 15°24 | 8°53 | 29°48 | 27°37 | 9°31 | 8°12 | 15°R 3 | 16°12 | 29°38 | 4°34 | S 10 |
| S 11 | 5 22 3 | 19°18'52 | 27°49 | 3°39 | 0°50 | 15° 7 | 8°46 | 29°55 | 27°41 | 9°32 | 8°14 | 15° 3 | 16° 8 | 29°45 | 4°41 | S 11 |
| M12 | 5 26 0 | 20°19'31 | 10♈ 5 | 3°D32 | 1°25 | 14°50 | 8°38 | 0♐ 1 | 27°44 | 9°34 | 8°17 | 15° 1 | 16° 5 | 29°52 | 4°48 | M12 |
| T 13 | 5 29 56 | 21°20'10 | 22° 9 | 3°36 | 1°58 | 14°32 | 8°31 | 0° 8 | 27°48 | 9°35 | 8°19 | 14°56 | 16° 2 | 29°58 | 4°55 | T 13 |
| W14 | 5 33 53 | 22°20'51 | 4♉ 5 | 3°50 | 2°31 | 14°13 | 8°23 | 0°15 | 27°51 | 9°37 | 8°21 | 14°49 | 15°59 | 0♊ 5 | 5° 2 | W14 |
| T 15 | 5 37 49 | 23°21'32 | 15°58 | 4°13 | 3° 1 | 13°54 | 8°16 | 0°22 | 27°55 | 9°39 | 8°24 | 14°41 | 15°56 | 0°12 | 5° 9 | T 15 |
| F 16 | 5 41 46 | 24°22'15 | 27°50 | 4°45 | 3°31 | 13°34 | 8° 8 | 0°29 | 27°58 | 9°40 | 8°26 | 14°31 | 15°53 | 0°18 | 5°16 | F 16 |
| S 17 | 5 45 43 | 25°22'59 | 9♊43 | 5°25 | 3°58 | 13°14 | 8° 0 | 0°36 | 28° 2 | 9°42 | 8°28 | 14°20 | 15°49 | 0°25 | 5°23 | S 17 |
| S 18 | 5 49 39 | 26°23'44 | 21°39 | 6°11 | 4°24 | 12°53 | 7°52 | 0°43 | 28° 5 | 9°44 | 8°31 | 14°11 | 15°46 | 0°32 | 5°29 | S 18 |
| M19 | 5 53 36 | 27°24'30 | 3♋39 | 7° 3 | 4°48 | 12°32 | 7°44 | 0°49 | 28° 8 | 9°46 | 8°33 | 14° 3 | 15°43 | 0°39 | 5°36 | M19 |
| T 20 | 5 57 32 | 28°25'17 | 15°46 | 8° 0 | 5°10 | 12°10 | 7°36 | 0°56 | 28°12 | 9°48 | 8°35 | 13°57 | 15°40 | 0°45 | 5°42 | T 20 |
| W21 | 6 1 29 | 29°26'05 | 27°59 | 9° 2 | 5°30 | 11°48 | 7°28 | 1° 3 | 28°15 | 9°49 | 8°37 | 13°53 | 15°37 | 0°52 | 5°49 | W21 |
| T 22 | 6 5 25 | 0♑26'55 | 10♌22 | 10° 8 | 5°48 | 11°26 | 7°20 | 1° 9 | 28°19 | 9°51 | 8°40 | 13°D52 | 15°34 | 0°59 | 5°55 | T 22 |
| F 23 | 6 9 22 | 1°27'45 | 22°56 | 11°17 | 6° 5 | 11° 3 | 7°12 | 1°16 | 28°22 | 9°53 | 8°42 | 13°52 | 15°30 | 1° 5 | 6° 2 | F 23 |
| S 24 | 6 13 18 | 2°28'37 | 5♍44 | 12°29 | 6°19 | 10°40 | 7° 4 | 1°23 | 28°25 | 9°55 | 8°44 | 13°54 | 15°27 | 1°12 | 6° 8 | S 24 |
| S 25 | 6 17 15 | 3°29'30 | 18°49 | 13°44 | 6°31 | 10°17 | 6°56 | 1°29 | 28°28 | 9°57 | 8°47 | 13°55 | 15°24 | 1°19 | 6°14 | S 25 |
| M26 | 6 21 12 | 4°30'24 | 2♎13 | 15° 1 | 6°41 | 9°54 | 6°48 | 1°36 | 28°32 | 9°59 | 8°49 | 13°R56 | 15°21 | 1°26 | 6°20 | M26 |
| T 27 | 6 25 8 | 5°31'20 | 15°59 | 16°20 | 6°48 | 9°30 | 6°40 | 1°42 | 28°35 | 10° 1 | 8°51 | 13°55 | 15°18 | 1°32 | 6°26 | T 27 |
| W28 | 6 29 5 | 6°32'16 | 0♏ 8 | 17°40 | 6°54 | 9° 7 | 6°31 | 1°48 | 28°38 | 10° 3 | 8°53 | 13°53 | 15°14 | 1°39 | 6°32 | W28 |
| T 29 | 6 33 1 | 7°33'14 | 14°39 | 19° 2 | 6°57 | 8°43 | 6°23 | 1°55 | 28°41 | 10° 5 | 8°55 | 13°50 | 15°11 | 1°46 | 6°38 | T 29 |
| F 30 | 6 36 58 | 8°34'13 | 29°26 | 20°25 | 6°R57 | 8°20 | 6°15 | 2° 1 | 28°44 | 10° 7 | 8°58 | 13°45 | 15° 8 | 1°53 | 6°44 | F 30 |
| S 31 | 6 40 54 | 9♑35'13 | 14♐25 | 21♐50 | 6♒55 | 7♋57 | 6♋ 7 | 2♐ 7 | 28♏47 | 10♒ 9 | 9♐ 0 | 13♌39 | 15♌ 5 | 1♊59 | 6♏50 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21 s43 | 8 s38 | 4n58 | 22 s18 | 0 s 0 | 24 s39 | 3 s30 | 24n14 | 2n 3 | 22n31 | 0 s26 | 17 s48 | 2n 1 | 19 s 7 | 0n17 | 17 s31 | 0n20 | 7 s51 | 13n49 | 16n 1 | 15n45 | 14n50 | 12 s44 | 0 s 9 |
| F 2 | 21 52 | 13 0 | 5 2 | 21 48 | 0n20 | 24 28 | 3 27 | 24 18 | 2 6 | 22 32 | 0 26 | 17 50 | 2 1 | 19 8 | 0 17 | 17 30 | 0 20 | 7 51 | 13 49 | 16 4 | 15 46 | 14 51 | 12 46 | 0 9 |
| S 3 | 22 0 | 16 33 | 4 44 | 21 17 | 0 41 | 24 17 | 3 24 | 24 23 | 2 9 | 22 32 | 0 25 | 17 51 | 2 1 | 19 9 | 0 17 | 17 30 | 0 20 | 7 52 | 13 49 | 16 7 | 15 47 | 14 53 | 12 49 | 0 8 |
| S 4 | 22 8 | 18 57 | 4 5 | 20 46 | 1 0 | 24 5 | 3 21 | 24 27 | 2 13 | 22 33 | 0 25 | 17 53 | 2 1 | 19 9 | 0 17 | 17 29 | 0 20 | 7 52 | 13 49 | 16 10 | 15 48 | 14 55 | 12 51 | 0 8 |
| M 5 | 22 16 | 19 59 | 3 11 | 20 16 | 1 18 | 23 53 | 3 17 | 24 32 | 2 16 | 22 33 | 0 25 | 17 54 | 2 1 | 19 10 | 0 17 | 17 29 | 0 20 | 7 53 | 13 49 | 16 12 | 15 49 | 14 56 | 12 53 | 0 8 |
| T 6 | 22 23 | 19 37 | 2 4 | 19 48 | 1 35 | 23 41 | 3 13 | 24 37 | 2 19 | 22 34 | 0 25 | 17 56 | 2 1 | 19 11 | 0 17 | 17 29 | 0 20 | 7 53 | 13 49 | 16 14 | 15 50 | 14 58 | 12 55 | 0 7 |
| W 7 | 22 30 | 17 59 | 0 51 | 19 23 | 1 50 | 23 29 | 3 9 | 24 41 | 2 22 | 22 34 | 0 25 | 17 57 | 2 1 | 19 12 | 0 17 | 17 28 | 0 20 | 7 53 | 13 49 | 16 14 | 15 51 | 14 59 | 12 58 | 0 7 |
| T 8 | 22 36 | 15 21 | 0 s22 | 19 2 | 2 3 | 23 16 | 3 4 | 24 46 | 2 25 | 22 35 | 0 25 | 17 59 | 2 1 | 19 13 | 0 17 | 17 28 | 0 20 | 7 54 | 13 49 | 16 14 | 15 52 | 15 1 | 13 0 | 0 7 |
| F 9 | 22 42 | 11 59 | 1 32 | 18 44 | 2 14 | 23 3 | 3 0 | 24 51 | 2 28 | 22 36 | 0 25 | 18 0 | 2 1 | 19 14 | 0 17 | 17 28 | 0 20 | 7 54 | 13 49 | 16 14 | 15 53 | 15 3 | 13 2 | 0 6 |
| S 10 | 22 48 | 8 8 | 2 35 | 18 30 | 2 22 | 22 50 | 2 54 | 24 56 | 2 31 | 22 36 | 0 25 | 18 2 | 2 1 | 19 14 | 0 17 | 17 27 | 0 20 | 7 54 | 13 49 | 16 14 | 15 54 | 15 4 | 13 4 | 0 6 |
| S 11 | 22 53 | 4 3 | 3 28 | 18 20 | 2 28 | 22 37 | 2 49 | 25 1 | 2 34 | 22 37 | 0 25 | 18 3 | 2 1 | 19 15 | 0 17 | 17 27 | 0 20 | 7 55 | 13 49 | 16 14 | 15 55 | 15 6 | 13 6 | 0 6 |
| M12 | 22 58 | 0n 7 | 4 11 | 18 15 | 2 33 | 22 23 | 2 43 | 25 6 | 2 37 | 22 37 | 0 25 | 18 4 | 2 1 | 19 16 | 0 17 | 17 26 | 0 20 | 7 55 | 13 49 | 16 15 | 15 56 | 15 7 | 13 8 | 0 5 |
| T 13 | 23 2 | 4 12 | 4 42 | 18 13 | 2 36 | 22 10 | 2 37 | 25 11 | 2 40 | 22 38 | 0 24 | 18 6 | 2 1 | 19 17 | 0 17 | 17 26 | 0 20 | 7 55 | 13 49 | 16 16 | 15 57 | 15 9 | 13 10 | 0 5 |
| W14 | 23 5 | 8 5 | 5 1 | 18 14 | 2 37 | 21 56 | 2 31 | 25 16 | 2 43 | 22 38 | 0 24 | 18 7 | 2 1 | 19 18 | 0 17 | 17 26 | 0 20 | 7 56 | 13 49 | 16 18 | 15 58 | 15 11 | 13 12 | 0 5 |
| T 15 | 23 9 | 11 38 | 5 6 | 18 19 | 2 36 | 21 42 | 2 24 | 25 21 | 2 46 | 22 39 | 0 24 | 18 9 | 2 1 | 19 18 | 0 17 | 17 25 | 0 20 | 7 56 | 13 49 | 16 21 | 15 59 | 15 12 | 13 14 | 0 4 |
| F 16 | 23 11 | 14 44 | 4 58 | 18 26 | 2 35 | 21 29 | 2 16 | 25 25 | 2 49 | 22 40 | 0 24 | 18 10 | 2 1 | 19 19 | 0 17 | 17 25 | 0 20 | 7 56 | 13 49 | 16 23 | 15 59 | 15 14 | 13 16 | 0 4 |
| S 17 | 23 14 | 17 13 | 4 37 | 18 36 | 2 32 | 21 15 | 2 9 | 25 30 | 2 52 | 22 40 | 0 24 | 18 11 | 2 1 | 19 20 | 0 17 | 17 24 | 0 20 | 7 56 | 13 49 | 16 26 | 16 0 | 15 15 | 13 18 | 0 4 |
| S 18 | 23 16 | 19 0 | 4 4 | 18 47 | 2 28 | 21 1 | 2 1 | 25 35 | 2 55 | 22 41 | 0 24 | 18 13 | 2 1 | 19 21 | 0 17 | 17 24 | 0 20 | 7 57 | 13 49 | 16 29 | 16 1 | 15 17 | 13 20 | 0 3 |
| M19 | 23 17 | 19 56 | 3 20 | 19 0 | 2 24 | 20 47 | 1 52 | 25 40 | 2 57 | 22 41 | 0 24 | 18 14 | 2 1 | 19 21 | 0 17 | 17 23 | 0 20 | 7 57 | 13 49 | 16 31 | 16 2 | 15 18 | 13 22 | 0 3 |
| T 20 | 23 18 | 19 58 | 2 26 | 19 15 | 2 19 | 20 33 | 1 44 | 25 44 | 3 0 | 22 42 | 0 24 | 18 15 | 2 1 | 19 22 | 0 17 | 17 23 | 0 20 | 7 57 | 13 49 | 16 33 | 16 3 | 15 20 | 13 24 | 0 3 |
| W21 | 23 19 | 19 4 | 1 25 | 19 30 | 2 13 | 20 19 | 1 34 | 25 49 | 3 2 | 22 42 | 0 24 | 18 17 | 2 1 | 19 23 | 0 17 | 17 22 | 0 20 | 7 57 | 13 49 | 16 34 | 16 4 | 15 22 | 13 26 | 0 3 |
| T 22 | 23 19 | 17 15 | 0 19 | 19 46 | 2 7 | 20 5 | 1 25 | 25 53 | 3 5 | 22 43 | 0 23 | 18 18 | 2 2 | 19 24 | 0 17 | 17 22 | 0 20 | 7 58 | 13 49 | 16 35 | 16 5 | 15 23 | 13 28 | 0 2 |
| F 23 | 23 18 | 14 34 | 0n49 | 20 2 | 2 0 | 19 52 | 1 15 | 25 58 | 3 7 | 22 44 | 0 23 | 18 19 | 2 2 | 19 24 | 0 17 | 17 21 | 0 20 | 7 58 | 13 50 | 16 34 | 16 6 | 15 25 | 13 29 | 0 2 |
| S 24 | 23 17 | 11 9 | 1 56 | 20 18 | 1 53 | 19 38 | 1 4 | 26 2 | 3 9 | 22 44 | 0 23 | 18 20 | 2 2 | 19 25 | 0 17 | 17 21 | 0 20 | 7 58 | 13 50 | 16 34 | 16 7 | 15 26 | 13 31 | 0 2 |
| S 25 | 23 16 | 7 8 | 2 58 | 20 35 | 1 46 | 19 24 | 0 54 | 26 6 | 3 12 | 22 45 | 0 23 | 18 22 | 2 2 | 19 26 | 0 17 | 17 20 | 0 20 | 7 58 | 13 50 | 16 34 | 16 8 | 15 28 | 13 33 | 0 1 |
| M26 | 23 14 | 2 41 | 3 53 | 20 51 | 1 38 | 19 11 | 0 42 | 26 10 | 3 14 | 22 45 | 0 23 | 18 23 | 2 2 | 19 27 | 0 17 | 17 20 | 0 20 | 7 58 | 13 50 | 16 33 | 16 9 | 15 29 | 13 34 | 0 1 |
| T 27 | 23 12 | 2 s 1 | 4 35 | 21 7 | 1 31 | 18 58 | 0 31 | 26 14 | 3 16 | 22 46 | 0 23 | 18 24 | 2 2 | 19 27 | 0 17 | 17 20 | 0 20 | 7 58 | 13 50 | 16 34 | 16 10 | 15 31 | 13 36 | 0 1 |
| W28 | 23 9 | 6 44 | 5 2 | 21 22 | 1 23 | 18 45 | 0 18 | 26 17 | 3 18 | 22 46 | 0 23 | 18 25 | 2 2 | 19 28 | 0 17 | 17 19 | 0 20 | 7 59 | 13 50 | 16 34 | 16 11 | 15 32 | 13 38 | 0 0 |
| T 29 | 23 6 | 11 11 | 5 11 | 21 37 | 1 15 | 18 32 | 0 6 | 26 21 | 3 20 | 22 47 | 0 22 | 18 26 | 2 2 | 19 29 | 0 17 | 17 18 | 0 20 | 7 59 | 13 50 | 16 35 | 16 12 | 15 34 | 13 39 | 0n 0 |
| F 30 | 23 2 | 15 2 | 5 0 | 21 51 | 1 7 | 18 19 | 0n 7 | 26 24 | 3 21 | 22 47 | 0 22 | 18 27 | 2 2 | 19 29 | 0 17 | 17 18 | 0 20 | 7 59 | 13 51 | 16 37 | 16 13 | 15 36 | 13 41 | 0 0 |
| S 31 | 22 s58 | 17 s58 | 4n28 | 22 s 4 | 0n59 | 18 s 7 | 0n20 | 26n27 | 3n23 | 22n48 | 0 s22 | 18 s29 | 2n 2 | 19 s30 | 0n17 | 17 s17 | 0n20 | 7 s59 | 13n51 | 16n38 | 16n13 | 15n37 | 13 s43 | 0n 1 |

Julian Day Number = 2811643.5, Delta T = 53m21s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'30, Lahiri = 37°39'30


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# ASTRODIENST EPHEMERIS for the year 2986
# geocentric

## JANUARY 2986 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 44 51 | 10♑36'14 | 29♐27 | 23♐15 | 6°R51 | 7°R34 | 5°R59 | 2♐14 | 28♏51 | 10♒11 | 9♐ 2 | 13°R34 | 15♌ 2 | 2♊ 6 | 6♏55 | S 1 |
| M 2 | 6 48 48 | 11°37'15 | 14♑22 | 24°41 | 6♒44 | 7♋11 | 5♋51 | 2°20 | 28°54 | 10°13 | 9° 4 | 13♌30 | 14°59 | 2°13 | 7° 1 | M 2 |
| T 3 | 6 52 44 | 12°38'17 | 29° 1 | 26° 8 | 6°35 | 6°49 | 5°43 | 2°26 | 28°57 | 10°15 | 9° 6 | 13°28 | 14°55 | 2°19 | 7° 6 | T 3 |
| W 4 | 6 56 41 | 13°39'20 | 13♒18 | 27°36 | 6°23 | 6°26 | 5°35 | 2°32 | 29° 0 | 10°17 | 9° 8 | 13°D27 | 14°52 | 2°26 | 7°12 | W 4 |
| T 5 | 7 0 37 | 14°40'23 | 27°10 | 29° 4 | 6° 9 | 6° 4 | 5°27 | 2°38 | 29° 2 | 10°19 | 9°10 | 13°28 | 14°49 | 2°33 | 7°17 | T 5 |
| F 6 | 7 4 34 | 15°41'26 | 10♓35 | 0♑32 | 5°52 | 5°43 | 5°19 | 2°44 | 29° 5 | 10°21 | 9°12 | 13°29 | 14°46 | 2°40 | 7°22 | F 6 |
| S 7 | 7 8 30 | 16°42'30 | 23°35 | 2° 2 | 5°33 | 5°22 | 5°11 | 2°50 | 29° 8 | 10°23 | 9°14 | 13°31 | 14°43 | 2°46 | 7°27 | S 7 |
| S 8 | 7 12 27 | 17°43'33 | 6♈12 | 3°31 | 5°12 | 5° 1 | 5° 3 | 2°56 | 29°11 | 10°25 | 9°16 | 13°32 | 14°40 | 2°53 | 7°32 | S 8 |
| M 9 | 7 16 23 | 18°44'37 | 18°31 | 5° 1 | 4°48 | 4°41 | 4°55 | 3° 2 | 29°14 | 10°27 | 9°18 | 13°R33 | 14°36 | 3° 0 | 7°37 | M 9 |
| T 10 | 7 20 20 | 19°45'41 | 0♉36 | 6°31 | 4°22 | 4°22 | 4°48 | 3° 7 | 29°17 | 10°30 | 9°20 | 13°32 | 14°33 | 3° 6 | 7°42 | T 10 |
| W11 | 7 24 17 | 20°46'45 | 12°33 | 8° 2 | 3°55 | 4° 3 | 4°40 | 3°13 | 29°19 | 10°32 | 9°22 | 13°31 | 14°30 | 3°13 | 7°47 | W11 |
| T 12 | 7 28 13 | 21°47'50 | 24°25 | 9°33 | 3°25 | 3°45 | 4°33 | 3°19 | 29°22 | 10°34 | 9°24 | 13°28 | 14°27 | 3°20 | 7°51 | T 12 |
| F 13 | 7 32 10 | 22°48'54 | 6♊16 | 11° 4 | 2°54 | 3°28 | 4°25 | 3°24 | 29°25 | 10°36 | 9°26 | 13°25 | 14°24 | 3°27 | 7°56 | F 13 |
| S 14 | 7 36 6 | 23°49'59 | 18°11 | 12°36 | 2°21 | 3°11 | 4°18 | 3°30 | 29°27 | 10°38 | 9°28 | 13°21 | 14°20 | 3°33 | 8° 0 | S 14 |
| S 15 | 7 40 3 | 24°51'03 | 0♋12 | 14° 8 | 1°47 | 2°55 | 4°11 | 3°35 | 29°30 | 10°40 | 9°30 | 13°18 | 14°17 | 3°40 | 8° 5 | S 15 |
| M16 | 7 43 59 | 25°52'08 | 12°20 | 15°40 | 1°12 | 2°39 | 4° 4 | 3°40 | 29°32 | 10°43 | 9°32 | 13°15 | 14°14 | 3°47 | 8° 9 | M16 |
| T 17 | 7 47 56 | 26°53'12 | 24°39 | 17°13 | 0°36 | 2°25 | 3°57 | 3°46 | 29°35 | 10°45 | 9°33 | 13°14 | 14°11 | 3°53 | 8°13 | T 17 |
| W18 | 7 51 52 | 27°54'17 | 7♌ 8 | 18°46 | 29♑59 | 2°11 | 3°50 | 3°51 | 29°37 | 10°47 | 9°35 | 13°D13 | 14° 8 | 4° 0 | 8°17 | W18 |
| T 19 | 7 55 49 | 28°55'22 | 19°49 | 20°19 | 29°23 | 1°57 | 3°43 | 3°56 | 29°39 | 10°49 | 9°37 | 13°13 | 14° 5 | 4° 7 | 8°21 | T 19 |
| F 20 | 7 59 46 | 29°56'27 | 2♍43 | 21°53 | 28°46 | 1°45 | 3°36 | 4° 1 | 29°42 | 10°52 | 9°39 | 13°13 | 14° 1 | 4°14 | 8°25 | F 20 |
| S 21 | 8 3 42 | 0♒57'32 | 15°49 | 23°27 | 28° 9 | 1°34 | 3°30 | 4° 6 | 29°44 | 10°54 | 9°40 | 13°15 | 13°58 | 4°20 | 8°28 | S 21 |
| S 22 | 8 7 39 | 1°58'37 | 29° 8 | 25° 2 | 27°33 | 1°23 | 3°24 | 4°11 | 29°46 | 10°56 | 9°42 | 13°16 | 13°55 | 4°27 | 8°32 | S 22 |
| M23 | 8 11 35 | 2°59'42 | 12♎42 | 26°36 | 26°58 | 1°13 | 3°17 | 4°16 | 29°48 | 10°58 | 9°44 | 13°17 | 13°52 | 4°34 | 8°35 | M23 |
| T 24 | 8 15 32 | 4° 0'48 | 26°30 | 28°12 | 26°23 | 1° 4 | 3°11 | 4°21 | 29°51 | 11° 1 | 9°45 | 13°17 | 13°49 | 4°40 | 8°39 | T 24 |
| W25 | 8 19 28 | 5° 1'54 | 10♏31 | 29°47 | 25°50 | 0°55 | 3° 6 | 4°25 | 29°53 | 11° 3 | 9°47 | 13°R17 | 13°46 | 4°47 | 8°42 | W25 |
| T 26 | 8 23 25 | 6° 3'00 | 24°45 | 1♒23 | 25°18 | 0°48 | 3° 0 | 4°30 | 29°55 | 11° 5 | 9°48 | 13°17 | 13°42 | 4°54 | 8°45 | T 26 |
| F 27 | 8 27 21 | 7° 4'06 | 9♐10 | 3° 0 | 24°48 | 0°41 | 2°54 | 4°35 | 29°57 | 11° 7 | 9°50 | 13°16 | 13°39 | 5° 1 | 8°48 | F 27 |
| S 28 | 8 31 18 | 8° 5'12 | 23°41 | 4°37 | 24°20 | 0°35 | 2°49 | 4°39 | 29°59 | 11°10 | 9°51 | 13°15 | 13°36 | 5° 7 | 8°51 | S 28 |
| S 29 | 8 35 15 | 9° 6'18 | 8♑14 | 6°14 | 23°53 | 0°30 | 2°44 | 4°44 | 0♐ 1 | 11°12 | 9°53 | 13°15 | 13°33 | 5°14 | 8°54 | S 29 |
| M30 | 8 39 11 | 10° 7'24 | 22°44 | 7°52 | 23°29 | 0°26 | 2°38 | 4°48 | 0° 2 | 11°14 | 9°54 | 13°15 | 13°30 | 5°21 | 8°57 | M30 |
| T 31 | 8 43 8 | 11♒ 8'29 | 7♒ 3 | 9♒31 | 23♑ 7 | 0♋22 | 2♋34 | 4♐52 | 0♐ 4 | 11♒17 | 9♐56 | 13°D14 | 13♌26 | 5♊27 | 8♏59 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s53 | 19s41 | 3n37 | 22s17 | 0n51 | 17s55 | 0n34 | 26n30 | 3n24 | 22n48 | 0s22 | 18s30 | 2n 2 | 19s31 | 0n17 | 17s17 | 0n20 | 7s59 | 13n51 | 16n40 | 16n14 | 15n39 | 13s44 | 0n 1 |
| M 2 | 22 48 | 20 1 | 2 32 | 22 29 | 0 43 | 17 43 | 0 48 | 26 32 | 3 26 | 22 49 | 0 22 | 18 31 | 2 2 | 19 31 | 0 17 | 17 16 | 0 20 | 7 59 | 13 51 | 16 41 | 16 15 | 15 40 | 13 46 | 0 1 |
| T 3 | 22 43 | 18 58 | 1 18 | 22 40 | 0 36 | 17 31 | 1 2 | 26 35 | 3 27 | 22 49 | 0 22 | 18 32 | 2 2 | 19 32 | 0 17 | 17 16 | 0 20 | 7 59 | 13 51 | 16 41 | 16 16 | 15 42 | 13 47 | 0 2 |
| W 4 | 22 37 | 16 43 | 0 1 | 22 49 | 0 28 | 17 20 | 1 17 | 26 37 | 3 28 | 22 50 | 0 22 | 18 33 | 2 3 | 19 33 | 0 17 | 17 15 | 0 20 | 7 59 | 13 51 | 16 42 | 16 17 | 15 43 | 13 48 | 0 2 |
| T 5 | 22 30 | 13 33 | 1s15 | 22 58 | 0 20 | 17 9 | 1 32 | 26 40 | 3 30 | 22 50 | 0 21 | 18 34 | 2 3 | 19 33 | 0 17 | 17 15 | 0 20 | 8 0 | 13 52 | 16 41 | 16 18 | 15 45 | 13 50 | 0 3 |
| F 6 | 22 24 | 9 46 | 2 23 | 23 6 | 0 13 | 16 58 | 1 47 | 26 42 | 3 31 | 22 51 | 0 21 | 18 35 | 2 3 | 19 34 | 0 17 | 17 14 | 0 20 | 8 0 | 13 52 | 16 41 | 16 19 | 15 46 | 13 51 | 0 3 |
| S 7 | 22 16 | 5 38 | 3 23 | 23 13 | 0 5 | 16 48 | 2 3 | 26 43 | 3 31 | 22 51 | 0 21 | 18 36 | 2 3 | 19 34 | 0 17 | 17 14 | 0 20 | 8 0 | 13 52 | 16 41 | 16 20 | 15 48 | 13 52 | 0 3 |
| S 8 | 22 9 | 1 23 | 4 10 | 23 18 | 0s 2 | 16 38 | 2 18 | 26 45 | 3 32 | 22 52 | 0 21 | 18 37 | 2 3 | 19 35 | 0 17 | 17 13 | 0 20 | 8 0 | 13 52 | 16 40 | 16 21 | 15 49 | 13 54 | 0 4 |
| M 9 | 22 0 | 2n49 | 4 45 | 23 23 | 0 10 | 16 28 | 2 34 | 26 46 | 3 33 | 22 52 | 0 21 | 18 38 | 2 3 | 19 36 | 0 17 | 17 13 | 0 20 | 8 0 | 13 53 | 16 40 | 16 22 | 15 51 | 13 55 | 0 4 |
| T 10 | 21 52 | 6 50 | 5 7 | 23 26 | 0 17 | 16 19 | 2 50 | 26 48 | 3 34 | 22 53 | 0 21 | 18 39 | 2 3 | 19 36 | 0 17 | 17 12 | 0 20 | 8 0 | 13 53 | 16 40 | 16 23 | 15 52 | 13 56 | 0 4 |
| W11 | 21 43 | 10 31 | 5 14 | 23 28 | 0 24 | 16 10 | 3 5 | 26 49 | 3 34 | 22 53 | 0 21 | 18 40 | 2 3 | 19 37 | 0 17 | 17 11 | 0 20 | 8 0 | 13 53 | 16 41 | 16 24 | 15 54 | 13 57 | 0 5 |
| T 12 | 21 33 | 13 46 | 5 9 | 23 29 | 0 31 | 16 2 | 3 21 | 26 50 | 3 35 | 22 54 | 0 20 | 18 41 | 2 3 | 19 37 | 0 17 | 17 11 | 0 20 | 8 0 | 13 53 | 16 41 | 16 25 | 15 55 | 13 59 | 0 5 |
| F 13 | 21 24 | 16 28 | 4 50 | 23 28 | 0 37 | 15 53 | 3 36 | 26 51 | 3 35 | 22 54 | 0 20 | 18 42 | 2 4 | 19 38 | 0 17 | 17 10 | 0 19 | 8 0 | 13 54 | 16 42 | 16 25 | 15 57 | 14 0 | 0 5 |
| S 14 | 21 13 | 18 30 | 4 19 | 23 27 | 0 44 | 15 46 | 3 52 | 26 51 | 3 35 | 22 54 | 0 20 | 18 43 | 2 4 | 19 38 | 0 17 | 17 10 | 0 19 | 8 0 | 13 54 | 16 43 | 16 26 | 15 58 | 14 1 | 0 6 |
| S 15 | 21 3 | 19 43 | 3 36 | 23 24 | 0 50 | 15 39 | 4 7 | 26 52 | 3 35 | 22 55 | 0 20 | 18 44 | 2 4 | 19 39 | 0 17 | 17 9 | 0 19 | 8 0 | 13 54 | 16 44 | 16 27 | 16 0 | 14 2 | 0 6 |
| M16 | 20 51 | 20 3 | 2 42 | 23 20 | 0 56 | 15 32 | 4 21 | 26 53 | 3 36 | 22 55 | 0 20 | 18 45 | 2 4 | 19 40 | 0 17 | 17 9 | 0 19 | 8 0 | 13 54 | 16 45 | 16 28 | 16 1 | 14 3 | 0 6 |
| T 17 | 20 40 | 19 25 | 1 41 | 23 14 | 1 2 | 15 25 | 4 36 | 26 53 | 3 36 | 22 55 | 0 20 | 18 45 | 2 4 | 19 40 | 0 17 | 17 8 | 0 19 | 8 0 | 13 55 | 16 45 | 16 29 | 16 3 | 14 4 | 0 7 |
| W18 | 20 28 | 17 51 | 0 34 | 23 8 | 1 8 | 15 19 | 4 50 | 26 53 | 3 36 | 22 56 | 0 19 | 18 46 | 2 4 | 19 41 | 0 17 | 17 7 | 0 19 | 8 0 | 13 55 | 16 46 | 16 30 | 16 5 | 14 5 | 0 7 |
| T 19 | 20 16 | 15 22 | 0n36 | 23 0 | 1 14 | 15 14 | 5 3 | 26 53 | 3 35 | 22 56 | 0 19 | 18 47 | 2 4 | 19 41 | 0 17 | 17 7 | 0 19 | 8 0 | 13 55 | 16 46 | 16 31 | 16 6 | 14 6 | 0 7 |
| F 20 | 20 3 | 12 6 | 1 46 | 22 50 | 1 19 | 15 9 | 5 16 | 26 53 | 3 35 | 22 57 | 0 19 | 18 48 | 2 4 | 19 42 | 0 17 | 17 6 | 0 19 | 8 0 | 13 55 | 16 46 | 16 32 | 16 8 | 14 7 | 0 8 |
| S 21 | 19 50 | 8 12 | 2 51 | 22 40 | 1 24 | 15 4 | 5 28 | 26 53 | 3 35 | 22 57 | 0 19 | 18 49 | 2 5 | 19 42 | 0 17 | 17 6 | 0 19 | 8 0 | 13 56 | 16 45 | 16 33 | 16 9 | 14 7 | 0 8 |
| S 22 | 19 37 | 3 50 | 3 48 | 22 28 | 1 29 | 15 0 | 5 39 | 26 53 | 3 35 | 22 57 | 0 19 | 18 49 | 2 5 | 19 43 | 0 17 | 17 5 | 0 19 | 8 0 | 13 56 | 16 45 | 16 34 | 16 11 | 14 8 | 0 9 |
| M23 | 19 23 | 0s48 | 4 33 | 22 15 | 1 33 | 14 56 | 5 50 | 26 53 | 3 34 | 22 58 | 0 19 | 18 50 | 2 5 | 19 43 | 0 17 | 17 4 | 0 19 | 7 59 | 13 56 | 16 45 | 16 35 | 16 12 | 14 9 | 0 9 |
| T 24 | 19 9 | 5 27 | 5 4 | 22 1 | 1 38 | 14 52 | 5 59 | 26 52 | 3 34 | 22 58 | 0 18 | 18 51 | 2 5 | 19 43 | 0 17 | 17 4 | 0 19 | 7 59 | 13 57 | 16 45 | 16 35 | 16 13 | 14 10 | 0 9 |
| W25 | 18 54 | 9 53 | 5 17 | 21 45 | 1 42 | 14 49 | 6 9 | 26 52 | 3 33 | 22 58 | 0 18 | 18 52 | 2 5 | 19 44 | 0 17 | 17 3 | 0 19 | 7 59 | 13 57 | 16 44 | 16 36 | 16 15 | 14 10 | 0 10 |
| T 26 | 18 39 | 13 49 | 5 11 | 21 28 | 1 46 | 14 47 | 6 17 | 26 51 | 3 33 | 22 58 | 0 18 | 18 52 | 2 5 | 19 44 | 0 17 | 17 3 | 0 19 | 7 59 | 13 57 | 16 45 | 16 37 | 16 16 | 14 11 | 0 10 |
| F 27 | 18 24 | 17 0 | 4 45 | 21 9 | 1 49 | 14 44 | 6 24 | 26 51 | 3 32 | 22 59 | 0 18 | 18 53 | 2 5 | 19 45 | 0 17 | 17 2 | 0 19 | 7 59 | 13 58 | 16 45 | 16 38 | 16 18 | 14 12 | 0 10 |
| S 28 | 18 9 | 19 8 | 4 2 | 20 50 | 1 53 | 14 43 | 6 31 | 26 50 | 3 32 | 22 59 | 0 18 | 18 54 | 2 6 | 19 45 | 0 17 | 17 1 | 0 19 | 7 59 | 13 58 | 16 45 | 16 39 | 16 19 | 14 12 | 0 11 |
| S 29 | 17 53 | 20 1 | 3 2 | 20 29 | 1 55 | 14 41 | 6 37 | 26 49 | 3 31 | 22 59 | 0 18 | 18 54 | 2 6 | 19 46 | 0 17 | 17 1 | 0 19 | 7 59 | 13 58 | 16 45 | 16 40 | 16 21 | 14 13 | 0 11 |
| M30 | 17 37 | 19 34 | 1 51 | 20 6 | 1 58 | 14 40 | 6 42 | 26 49 | 3 30 | 23 0 | 0 17 | 18 55 | 2 6 | 19 46 | 0 17 | 17 0 | 0 19 | 7 59 | 13 59 | 16 45 | 16 41 | 16 22 | 14 13 | 0 12 |
| T 31 | 17s20 | 17s51 | 0n34 | 19s43 | 2s 0 | 14s39 | 6n47 | 26n48 | 3n29 | 23n 0 | 0s17 | 18s56 | 2n 6 | 19s46 | 0n17 | 16s59 | 0n19 | 7s58 | 13n59 | 16n45 | 16n42 | 16n24 | 14s14 | 0n12 |

Julian Day Number = 2811674.5, Delta T = 53m22s
Ecliptic obliquity = 23°18'34, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'34, Lahiri = 37°39'35


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# ASTRODIENST EPHEMERIS for the year 2986
# geocentric

## FEBRUARY 2986 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 8 47 4 | 12♒ 9'34 | 21♒ 8 | 11♒10 | 22°R47 | 0°R19 | 2°R29 | 4♐56 | 0♐ 6 | 11♒19 | 9♐57 | 13♌14 | 13♌23 | 5♊34 | 9♏ 2 | W 1 |
| T 2 | 8 51 1 | 13°10'39 | 4♓54 | 12°49 | 22♑29 | 0♋18 | 2♋24 | 5° 0 | 0° 8 | 11°21 | 9°59 | 13°R14 | 13°20 | 5°41 | 9° 4 | T 2 |
| F 3 | 8 54 57 | 14°11'43 | 18°18 | 14°29 | 22°14 | 0°16 | 2°20 | 5° 4 | 0° 9 | 11°23 | 10° 0 | 13°14 | 13°17 | 5°48 | 9° 6 | F 3 |
| S 4 | 8 58 54 | 15°12'46 | 1♈20 | 16°10 | 22° 1 | 0°D16 | 2°16 | 5° 8 | 0°11 | 11°26 | 10° 1 | 13°14 | 13°14 | 5°54 | 9° 8 | S 4 |
| S 5 | 9 2 50 | 16°13'49 | 14° 2 | 17°51 | 21°51 | 0°17 | 2°12 | 5°12 | 0°13 | 11°28 | 10° 2 | 13°14 | 13°11 | 6° 1 | 9°10 | S 5 |
| M 6 | 9 6 47 | 17°14'50 | 26°25 | 19°33 | 21°43 | 0°18 | 2° 8 | 5°16 | 0°14 | 11°30 | 10° 4 | 13°14 | 13° 7 | 6° 8 | 9°12 | M 6 |
| T 7 | 9 10 44 | 18°15'51 | 8♉34 | 21°15 | 21°38 | 0°20 | 2° 4 | 5°20 | 0°16 | 11°32 | 10° 5 | 13°13 | 13° 4 | 6°14 | 9°14 | T 7 |
| W 8 | 9 14 40 | 19°16'51 | 20°32 | 22°58 | 21°35 | 0°23 | 2° 1 | 5°23 | 0°17 | 11°35 | 10° 6 | 13°D13 | 13° 1 | 6°21 | 9°16 | W 8 |
| T 9 | 9 18 37 | 20°17'50 | 2♊25 | 24°41 | 21°D34 | 0°26 | 1°57 | 5°27 | 0°18 | 11°37 | 10° 7 | 13°13 | 12°58 | 6°28 | 9°17 | T 9 |
| F 10 | 9 22 33 | 21°18'48 | 14°17 | 26°25 | 21°36 | 0°30 | 1°54 | 5°30 | 0°20 | 11°39 | 10° 8 | 13°14 | 12°55 | 6°35 | 9°19 | F 10 |
| S 11 | 9 26 30 | 22°19'45 | 26°12 | 28° 9 | 21°41 | 0°35 | 1°52 | 5°33 | 0°21 | 11°41 | 10° 9 | 13°15 | 12°51 | 6°41 | 9°20 | S 11 |
| S 12 | 9 30 26 | 23°20'41 | 8♋16 | 29°54 | 21°47 | 0°41 | 1°49 | 5°36 | 0°22 | 11°44 | 10°10 | 13°16 | 12°48 | 6°48 | 9°21 | S 12 |
| M13 | 9 34 23 | 24°21'36 | 20°30 | 1♓39 | 21°56 | 0°47 | 1°46 | 5°40 | 0°23 | 11°46 | 10°11 | 13°17 | 12°45 | 6°55 | 9°22 | M13 |
| T 14 | 9 38 19 | 25°22'30 | 2♌59 | 3°24 | 22° 7 | 0°54 | 1°44 | 5°43 | 0°24 | 11°48 | 10°12 | 13°18 | 12°42 | 7° 1 | 9°23 | T 14 |
| W15 | 9 42 16 | 26°23'23 | 15°44 | 5° 9 | 22°21 | 1° 2 | 1°42 | 5°46 | 0°25 | 11°50 | 10°13 | 13°R18 | 12°39 | 7° 8 | 9°24 | W15 |
| T 16 | 9 46 13 | 27°24'15 | 28°46 | 6°55 | 22°36 | 1°10 | 1°40 | 5°48 | 0°26 | 11°53 | 10°14 | 13°17 | 12°36 | 7°15 | 9°25 | T 16 |
| F 17 | 9 50 9 | 28°25'06 | 12♍ 4 | 8°40 | 22°53 | 1°19 | 1°39 | 5°51 | 0°27 | 11°55 | 10°15 | 13°16 | 12°32 | 7°21 | 9°25 | F 17 |
| S 18 | 9 54 6 | 29°25'56 | 25°37 | 10°26 | 23°13 | 1°28 | 1°37 | 5°54 | 0°28 | 11°57 | 10°16 | 13°14 | 12°29 | 7°28 | 9°26 | S 18 |
| S 19 | 9 58 2 | 0♓26'45 | 9♎23 | 12°11 | 23°34 | 1°38 | 1°36 | 5°56 | 0°29 | 11°59 | 10°17 | 13°12 | 12°26 | 7°35 | 9°26 | S 19 |
| M20 | 10 1 59 | 1°27'33 | 23°19 | 13°55 | 23°58 | 1°49 | 1°35 | 5°59 | 0°30 | 12° 1 | 10°18 | 13° 9 | 12°23 | 7°42 | 9°26 | M20 |
| T 21 | 10 5 55 | 2°28'21 | 7♏22 | 15°39 | 24°23 | 2° 0 | 1°34 | 6° 1 | 0°30 | 12° 3 | 10°18 | 13° 7 | 12°20 | 7°48 | 9°R26 | T 21 |
| W22 | 10 9 52 | 3°29'07 | 21°30 | 17°21 | 24°49 | 2°12 | 1°33 | 6° 3 | 0°31 | 12° 6 | 10°19 | 13° 6 | 12°17 | 7°55 | 9°26 | W22 |
| T 23 | 10 13 48 | 4°29'53 | 5♐40 | 19° 2 | 25°18 | 2°24 | 1°33 | 6° 5 | 0°32 | 12° 8 | 10°20 | 13°D 5 | 12°13 | 8° 2 | 9°26 | T 23 |
| F 24 | 10 17 45 | 5°30'38 | 19°51 | 20°41 | 25°48 | 2°37 | 1°33 | 6° 8 | 0°32 | 12°10 | 10°20 | 13° 6 | 12°10 | 8° 8 | 9°26 | F 24 |
| S 25 | 10 21 42 | 6°31'23 | 4♑ 0 | 22°18 | 26°19 | 2°51 | 1°D33 | 6°10 | 0°33 | 12°12 | 10°21 | 13° 7 | 12° 7 | 8°15 | 9°25 | S 25 |
| S 26 | 10 25 38 | 7°32'06 | 18° 5 | 23°52 | 26°52 | 3° 5 | 1°33 | 6°11 | 0°33 | 12°14 | 10°21 | 13° 9 | 12° 4 | 8°22 | 9°25 | S 26 |
| M27 | 10 29 35 | 8°32'48 | 2♒ 4 | 25°23 | 27°27 | 3°19 | 1°33 | 6°13 | 0°33 | 12°16 | 10°22 | 13°10 | 12° 1 | 8°29 | 9°24 | M27 |
| T 28 | 10 33 31 | 9♓33'29 | 15♒55 | 26♓49 | 28♑ 3 | 3♋34 | 1♋34 | 6♐15 | 0♐34 | 12♒18 | 10♐22 | 13°R10 | 11♌57 | 8♊35 | 9♏24 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17s 3 | 15s 4 | 0s44 | 19s18 | 2s 2 | 14s39 | 6n50 | 26n47 | 3n29 | 23n 0 | 0s17 | 18s56 | 2n 6 | 19s47 | 0n17 | 16s59 | 0n19 | 7s58 | 13n59 | 16n45 | 16n43 | 16n25 | 14s14 | 0n12 |
| T 2 | 16 46 | 11 29 | 1 57 | 18 51 | 2 4 | 14 39 | 6 53 | 26 46 | 3 28 | 23 0 | 0 17 | 18 57 | 2 6 | 19 47 | 0 17 | 16 58 | 0 19 | 7 58 | 14 0 | 16 45 | 16 44 | 16 27 | 14 14 | 0 13 |
| F 3 | 16 29 | 7 24 | 3 3 | 18 24 | 2 5 | 14 39 | 6 55 | 26 45 | 3 27 | 23 1 | 0 17 | 18 57 | 2 6 | 19 47 | 0 17 | 16 58 | 0 19 | 7 58 | 14 0 | 16 45 | 16 45 | 16 28 | 14 15 | 0 13 |
| S 4 | 16 11 | 3 5 | 3 56 | 17 55 | 2 6 | 14 39 | 6 57 | 26 44 | 3 26 | 23 1 | 0 17 | 18 58 | 2 7 | 19 48 | 0 17 | 16 57 | 0 19 | 7 58 | 14 0 | 16 45 | 16 45 | 16 30 | 14 15 | 0 13 |
| S 5 | 15 53 | 1n15 | 4 37 | 17 24 | 2 6 | 14 40 | 6 58 | 26 44 | 3 25 | 23 1 | 0 16 | 18 58 | 2 7 | 19 48 | 0 17 | 16 56 | 0 19 | 7 58 | 14 1 | 16 45 | 16 46 | 16 31 | 14 15 | 0 14 |
| M 6 | 15 35 | 5 25 | 5 4 | 16 53 | 2 7 | 14 41 | 6 58 | 26 43 | 3 24 | 23 1 | 0 16 | 18 59 | 2 7 | 19 48 | 0 18 | 16 56 | 0 19 | 7 57 | 14 1 | 16 45 | 16 47 | 16 33 | 14 16 | 0 14 |
| T 7 | 15 16 | 9 17 | 5 16 | 16 20 | 2 6 | 14 42 | 6 58 | 26 42 | 3 23 | 23 2 | 0 16 | 18 59 | 2 7 | 19 49 | 0 18 | 16 55 | 0 19 | 7 57 | 14 2 | 16 46 | 16 48 | 16 34 | 14 16 | 0 15 |
| W 8 | 14 58 | 12 43 | 5 15 | 15 46 | 2 5 | 14 43 | 6 57 | 26 41 | 3 22 | 23 2 | 0 16 | 19 0 | 2 7 | 19 49 | 0 18 | 16 55 | 0 19 | 7 57 | 14 2 | 16 46 | 16 49 | 16 36 | 14 16 | 0 15 |
| T 9 | 14 39 | 15 38 | 5 0 | 15 10 | 2 4 | 14 45 | 6 56 | 26 39 | 3 21 | 23 2 | 0 16 | 19 0 | 2 7 | 19 49 | 0 18 | 16 54 | 0 19 | 7 57 | 14 2 | 16 46 | 16 50 | 16 37 | 14 16 | 0 15 |
| F 10 | 14 19 | 17 53 | 4 32 | 14 34 | 2 2 | 14 46 | 6 54 | 26 38 | 3 20 | 23 2 | 0 15 | 19 1 | 2 8 | 19 49 | 0 18 | 16 53 | 0 19 | 7 56 | 14 3 | 16 45 | 16 51 | 16 38 | 14 16 | 0 16 |
| S 11 | 14 0 | 19 23 | 3 52 | 13 56 | 2 0 | 14 48 | 6 52 | 26 37 | 3 19 | 23 2 | 0 15 | 19 1 | 2 8 | 19 50 | 0 18 | 16 53 | 0 19 | 7 56 | 14 3 | 16 45 | 16 52 | 16 40 | 14 16 | 0 16 |
| S 12 | 13 40 | 20 1 | 3 2 | 13 17 | 1 57 | 14 49 | 6 49 | 26 36 | 3 18 | 23 3 | 0 15 | 19 1 | 2 8 | 19 50 | 0 18 | 16 52 | 0 19 | 7 56 | 14 4 | 16 45 | 16 53 | 16 41 | 14 16 | 0 17 |
| M13 | 13 20 | 19 44 | 2 3 | 12 36 | 1 54 | 14 51 | 6 46 | 26 35 | 3 17 | 23 3 | 0 15 | 19 2 | 2 8 | 19 50 | 0 18 | 16 52 | 0 19 | 7 56 | 14 4 | 16 45 | 16 53 | 16 43 | 14 16 | 0 17 |
| T 14 | 13 0 | 18 28 | 0 57 | 11 55 | 1 50 | 14 53 | 6 42 | 26 34 | 3 16 | 23 3 | 0 15 | 19 2 | 2 8 | 19 50 | 0 18 | 16 51 | 0 19 | 7 55 | 14 4 | 16 44 | 16 54 | 16 44 | 14 16 | 0 17 |
| W15 | 12 39 | 16 15 | 0n14 | 11 12 | 1 45 | 14 55 | 6 38 | 26 33 | 3 14 | 23 3 | 0 15 | 19 2 | 2 9 | 19 51 | 0 18 | 16 50 | 0 19 | 7 55 | 14 5 | 16 44 | 16 55 | 16 46 | 14 16 | 0 18 |
| T 16 | 12 18 | 13 10 | 1 25 | 10 29 | 1 40 | 14 56 | 6 34 | 26 32 | 3 13 | 23 3 | 0 14 | 19 3 | 2 9 | 19 51 | 0 18 | 16 50 | 0 19 | 7 55 | 14 5 | 16 44 | 16 56 | 16 47 | 14 16 | 0 18 |
| F 17 | 11 58 | 9 21 | 2 32 | 9 44 | 1 35 | 14 58 | 6 30 | 26 30 | 3 12 | 23 4 | 0 14 | 19 3 | 2 9 | 19 51 | 0 18 | 16 49 | 0 19 | 7 55 | 14 6 | 16 45 | 16 57 | 16 49 | 14 16 | 0 19 |
| S 18 | 11 37 | 5 0 | 3 33 | 8 59 | 1 28 | 15 0 | 6 25 | 26 29 | 3 11 | 23 4 | 0 14 | 19 3 | 2 9 | 19 51 | 0 18 | 16 49 | 0 19 | 7 54 | 14 6 | 16 45 | 16 58 | 16 50 | 14 15 | 0 19 |
| S 19 | 11 15 | 0 20 | 4 22 | 8 12 | 1 21 | 15 1 | 6 20 | 26 28 | 3 10 | 23 4 | 0 14 | 19 4 | 2 9 | 19 51 | 0 18 | 16 48 | 0 19 | 7 54 | 14 6 | 16 46 | 16 59 | 16 51 | 14 15 | 0 19 |
| M20 | 10 54 | 4s24 | 4 57 | 7 25 | 1 13 | 15 2 | 6 15 | 26 27 | 3 9 | 23 4 | 0 14 | 19 4 | 2 9 | 19 51 | 0 18 | 16 47 | 0 19 | 7 54 | 14 7 | 16 47 | 17 0 | 16 53 | 14 15 | 0 20 |
| T 21 | 10 32 | 8 57 | 5 14 | 6 38 | 1 5 | 15 3 | 6 10 | 26 25 | 3 8 | 23 4 | 0 14 | 19 4 | 2 10 | 19 52 | 0 18 | 16 47 | 0 19 | 7 53 | 14 7 | 16 47 | 17 1 | 16 54 | 14 14 | 0 20 |
| W22 | 10 10 | 13 1 | 5 12 | 5 50 | 0 56 | 15 4 | 6 4 | 26 24 | 3 7 | 23 5 | 0 13 | 19 4 | 2 10 | 19 52 | 0 18 | 16 46 | 0 19 | 7 53 | 14 8 | 16 48 | 17 1 | 16 56 | 14 14 | 0 21 |
| T 23 | 9 49 | 16 21 | 4 51 | 5 1 | 0 46 | 15 5 | 5 58 | 26 23 | 3 5 | 23 5 | 0 13 | 19 4 | 2 10 | 19 52 | 0 18 | 16 46 | 0 19 | 7 53 | 14 8 | 16 48 | 17 2 | 16 57 | 14 14 | 0 21 |
| F 24 | 9 26 | 18 43 | 4 13 | 4 13 | 0 36 | 15 6 | 5 53 | 26 21 | 3 4 | 23 5 | 0 13 | 19 5 | 2 10 | 19 52 | 0 18 | 16 45 | 0 19 | 7 52 | 14 8 | 16 48 | 17 3 | 16 58 | 14 13 | 0 21 |
| S 25 | 9 4 | 19 56 | 3 19 | 3 25 | 0 24 | 15 6 | 5 46 | 26 20 | 3 3 | 23 5 | 0 13 | 19 5 | 2 10 | 19 52 | 0 18 | 16 44 | 0 19 | 7 52 | 14 9 | 16 47 | 17 4 | 17 0 | 14 13 | 0 22 |
| S 26 | 8 42 | 19 53 | 2 14 | 2 37 | 0 12 | 15 6 | 5 40 | 26 18 | 3 2 | 23 5 | 0 13 | 19 5 | 2 11 | 19 52 | 0 18 | 16 44 | 0 19 | 7 52 | 14 9 | 16 47 | 17 5 | 17 1 | 14 12 | 0 22 |
| M27 | 8 19 | 18 36 | 1 1 | 1 49 | 0n 0 | 15 6 | 5 34 | 26 17 | 3 1 | 23 5 | 0 13 | 19 5 | 2 11 | 19 52 | 0 18 | 16 43 | 0 19 | 7 51 | 14 10 | 16 47 | 17 6 | 17 3 | 14 11 | 0 23 |
| T 28 | 7s57 | 16s13 | 0s15 | 1s 3 | 0n13 | 15s 5 | 5n28 | 26n15 | 3n 0 | 23n 6 | 0s12 | 19s 5 | 2n11 | 19s52 | 0n18 | 16s43 | 0n19 | 7s51 | 14n10 | 16n46 | 17n 7 | 17n 4 | 14s11 | 0n23 |

Julian Day Number = 2811705.5, Delta T = 53m22s
Ecliptic obliquity = 23°18'35, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'39, Lahiri = 37°39'39


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# ASTRODIENST EPHEMERIS for the year 2986
# geocentric

## MARCH 2986 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 37 28 | 10♓34'09 | 29♒36 | 28♓11 | 28♉40 | 3♋50 | 1♋35 | 6♐16 | 0♐34 | 12♒20 | 10♐23 | 13°R 9 | 11♌54 | 8♊42 | 9°R23 | W 1 |
| T 2 | 10 41 24 | 11°34'47 | 13♓ 3 | 29°27 | 29°18 | 4° 5 | 1°36 | 6°18 | 0°34 | 12°22 | 10°23 | 13♌ 7 | 11°51 | 8°49 | 9♏22 | T 2 |
| F 3 | 10 45 21 | 12°35'24 | 26°15 | 0♈38 | 29°58 | 4°22 | 1°37 | 6°19 | 0°34 | 12°25 | 10°24 | 13° 3 | 11°48 | 8°55 | 9°21 | F 3 |
| S 4 | 10 49 17 | 13°36'00 | 9♈10 | 1°41 | 0♒38 | 4°39 | 1°38 | 6°20 | 0°34 | 12°27 | 10°24 | 12°58 | 11°45 | 9° 2 | 9°20 | S 4 |
| S 5 | 10 53 14 | 14°36'34 | 21°48 | 2°38 | 1°20 | 4°56 | 1°40 | 6°22 | 0°R34 | 12°29 | 10°24 | 12°52 | 11°42 | 9° 9 | 9°18 | S 5 |
| M 6 | 10 57 10 | 15°37'07 | 4♉11 | 3°26 | 2° 3 | 5°14 | 1°41 | 6°23 | 0°34 | 12°31 | 10°25 | 12°47 | 11°38 | 9°16 | 9°17 | M 6 |
| T 7 | 11 1 7 | 16°37'37 | 16°21 | 4° 5 | 2°47 | 5°32 | 1°43 | 6°23 | 0°34 | 12°32 | 10°25 | 12°42 | 11°35 | 9°22 | 9°15 | T 7 |
| W 8 | 11 5 4 | 17°38'06 | 28°20 | 4°35 | 3°32 | 5°50 | 1°46 | 6°24 | 0°34 | 12°34 | 10°25 | 12°38 | 11°32 | 9°29 | 9°14 | W 8 |
| T 9 | 11 9 0 | 18°38'34 | 10♊13 | 4°56 | 4°18 | 6° 9 | 1°48 | 6°25 | 0°34 | 12°36 | 10°25 | 12°36 | 11°29 | 9°36 | 9°12 | T 9 |
| F 10 | 11 12 57 | 19°38'59 | 22° 4 | 5° 6 | 5° 4 | 6°28 | 1°51 | 6°26 | 0°34 | 12°38 | 10°25 | 12°D36 | 11°26 | 9°42 | 9°10 | F 10 |
| S 11 | 11 16 53 | 20°39'23 | 3♋58 | 5°R 7 | 5°52 | 6°48 | 1°53 | 6°26 | 0°34 | 12°40 | 10°25 | 12°37 | 11°23 | 9°49 | 9° 8 | S 11 |
| S 12 | 11 20 50 | 21°39'45 | 16° 1 | 4°58 | 6°41 | 7° 8 | 1°56 | 6°27 | 0°33 | 12°42 | 10°26 | 12°38 | 11°19 | 9°56 | 9° 6 | S 12 |
| M13 | 11 24 46 | 22°40'05 | 28°17 | 4°39 | 7°30 | 7°29 | 1°59 | 6°27 | 0°33 | 12°44 | 10°R26 | 12°40 | 11°16 | 10° 2 | 9° 4 | M13 |
| T 14 | 11 28 43 | 23°40'24 | 10♌51 | 4°11 | 8°20 | 7°49 | 2° 3 | 6°27 | 0°32 | 12°46 | 10°26 | 12°R41 | 11°13 | 10° 9 | 9° 2 | T 14 |
| W15 | 11 32 39 | 24°40'40 | 23°46 | 3°34 | 9°10 | 8°11 | 2° 6 | 6°27 | 0°32 | 12°48 | 10°25 | 12°40 | 11°10 | 10°16 | 8°59 | W15 |
| T 16 | 11 36 36 | 25°40'54 | 7♍ 3 | 2°50 | 10° 2 | 8°32 | 2°10 | 6°R27 | 0°31 | 12°49 | 10°25 | 12°38 | 11° 7 | 10°23 | 8°57 | T 16 |
| F 17 | 11 40 33 | 26°41'07 | 20°42 | 2° 0 | 10°54 | 8°54 | 2°14 | 6°27 | 0°31 | 12°51 | 10°25 | 12°33 | 11° 3 | 10°29 | 8°54 | F 17 |
| S 18 | 11 44 29 | 27°41'18 | 4♎41 | 1° 4 | 11°47 | 9°16 | 2°18 | 6°27 | 0°30 | 12°53 | 10°25 | 12°27 | 11° 0 | 10°36 | 8°52 | S 18 |
| S 19 | 11 48 26 | 28°41'27 | 18°56 | 0° 5 | 12°40 | 9°38 | 2°22 | 6°27 | 0°29 | 12°55 | 10°25 | 12°19 | 10°57 | 10°43 | 8°49 | S 19 |
| M20 | 11 52 22 | 29°41'35 | 3♏22 | 29♓ 4 | 13°34 | 10° 1 | 2°26 | 6°26 | 0°29 | 12°56 | 10°25 | 12°12 | 10°54 | 10°49 | 8°46 | M20 |
| T 21 | 11 56 19 | 0♈41'41 | 17°51 | 28° 2 | 14°29 | 10°24 | 2°31 | 6°26 | 0°28 | 12°58 | 10°24 | 12° 5 | 10°51 | 10°56 | 8°43 | T 21 |
| W22 | 12 0 15 | 1°41'45 | 2♐19 | 27° 1 | 15°24 | 10°47 | 2°36 | 6°25 | 0°27 | 13° 0 | 10°24 | 11°59 | 10°48 | 11° 3 | 8°40 | W22 |
| T 23 | 12 4 12 | 2°41'48 | 16°40 | 26° 2 | 16°20 | 11°11 | 2°41 | 6°24 | 0°26 | 13° 1 | 10°24 | 11°56 | 10°44 | 11° 9 | 8°37 | T 23 |
| F 24 | 12 8 8 | 3°41'50 | 0♑51 | 25° 6 | 17°16 | 11°35 | 2°46 | 6°24 | 0°25 | 13° 3 | 10°24 | 11°D55 | 10°41 | 11°16 | 8°34 | F 24 |
| S 25 | 12 12 5 | 4°41'50 | 14°51 | 24°15 | 18°13 | 11°59 | 2°51 | 6°23 | 0°24 | 13° 5 | 10°23 | 11°55 | 10°38 | 11°23 | 8°31 | S 25 |
| S 26 | 12 16 2 | 5°41'49 | 28°39 | 23°28 | 19°11 | 12°23 | 2°57 | 6°22 | 0°23 | 13° 6 | 10°23 | 11°56 | 10°35 | 11°30 | 8°27 | S 26 |
| M27 | 12 19 58 | 6°41'46 | 12♒15 | 22°47 | 20° 8 | 12°48 | 3° 2 | 6°21 | 0°22 | 13° 8 | 10°22 | 11°R57 | 10°32 | 11°36 | 8°24 | M27 |
| T 28 | 12 23 55 | 7°41'41 | 25°41 | 22°13 | 21° 7 | 13°13 | 3° 8 | 6°19 | 0°21 | 13° 9 | 10°22 | 11°56 | 10°28 | 11°43 | 8°20 | T 28 |
| W29 | 12 27 51 | 8°41'35 | 8♓55 | 21°44 | 22° 5 | 13°38 | 3°14 | 6°18 | 0°19 | 13°11 | 10°21 | 11°53 | 10°25 | 11°50 | 8°17 | W29 |
| T 30 | 12 31 48 | 9°41'27 | 21°59 | 21°22 | 23° 5 | 14° 3 | 3°20 | 6°17 | 0°18 | 13°12 | 10°21 | 11°47 | 10°22 | 11°56 | 8°13 | T 30 |
| F 31 | 12 35 44 | 10♈41'17 | 4♈51 | 21♓ 7 | 24♒ 4 | 14♋29 | 3♋26 | 6♐15 | 0♐17 | 13♒14 | 10♐20 | 11♌38 | 10♌19 | 12♊ 3 | 8♏ 9 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7s34 | 12s57 | 1s29 | 0s18 | 0n27 | 15s 4 | 5n21 | 26n14 | 2n58 | 23n 6 | 0s12 | 19s 5 | 2n11 | 19s52 | 0n18 | 16s42 | 0n19 | 7s51 | 14n10 | 16n47 | 17n 8 | 17n 6 | 14s10 | 0n24 |
| T 2 | 7 11 | 9 2 | 2 37 | 0n25 | 0 41 | 15 3 | 5 14 | 26 12 | 2 57 | 23 6 | 0 12 | 19 5 | 2 11 | 19 52 | 0 18 | 16 42 | 0 19 | 7 50 | 14 11 | 16 47 | 17 9 | 17 7 | 14 9 | 0 24 |
| F 3 | 6 48 | 4 46 | 3 34 | 1 6 | 0 56 | 15 2 | 5 8 | 26 10 | 2 56 | 23 6 | 0 12 | 19 5 | 2 11 | 19 52 | 0 18 | 16 41 | 0 19 | 7 50 | 14 11 | 16 49 | 17 9 | 17 8 | 14 9 | 0 24 |
| S 4 | 6 25 | 0 22 | 4 20 | 1 45 | 1 11 | 15 0 | 5 1 | 26 9 | 2 55 | 23 6 | 0 12 | 19 5 | 2 12 | 19 52 | 0 18 | 16 40 | 0 19 | 7 50 | 14 12 | 16 50 | 17 10 | 17 10 | 14 8 | 0 25 |
| S 5 | 6 2 | 3n57 | 4 51 | 2 22 | 1 26 | 14 58 | 4 54 | 26 7 | 2 54 | 23 6 | 0 12 | 19 5 | 2 12 | 19 52 | 0 18 | 16 40 | 0 19 | 7 49 | 14 12 | 16 52 | 17 11 | 17 11 | 14 7 | 0 25 |
| M 6 | 5 38 | 8 0 | 5 8 | 2 55 | 1 41 | 14 55 | 4 47 | 26 5 | 2 53 | 23 6 | 0 12 | 19 5 | 2 12 | 19 52 | 0 18 | 16 39 | 0 19 | 7 49 | 14 13 | 16 53 | 17 12 | 17 12 | 14 6 | 0 26 |
| T 7 | 5 15 | 11 40 | 5 11 | 3 24 | 1 56 | 14 53 | 4 41 | 26 3 | 2 52 | 23 7 | 0 11 | 19 5 | 2 12 | 19 52 | 0 18 | 16 39 | 0 19 | 7 48 | 14 13 | 16 54 | 17 13 | 17 14 | 14 5 | 0 26 |
| W 8 | 4 52 | 14 48 | 5 0 | 3 49 | 2 11 | 14 49 | 4 34 | 26 1 | 2 50 | 23 7 | 0 11 | 19 5 | 2 12 | 19 52 | 0 18 | 16 38 | 0 19 | 7 48 | 14 13 | 16 55 | 17 14 | 17 15 | 14 4 | 0 26 |
| T 9 | 4 28 | 17 18 | 4 36 | 4 11 | 2 26 | 14 46 | 4 27 | 25 59 | 2 49 | 23 7 | 0 11 | 19 5 | 2 13 | 19 52 | 0 18 | 16 38 | 0 19 | 7 48 | 14 14 | 16 56 | 17 15 | 17 17 | 14 4 | 0 27 |
| F 10 | 4 5 | 19 4 | 4 1 | 4 27 | 2 39 | 14 42 | 4 20 | 25 57 | 2 48 | 23 7 | 0 11 | 19 5 | 2 13 | 19 52 | 0 18 | 16 37 | 0 19 | 7 47 | 14 14 | 16 56 | 17 16 | 17 18 | 14 3 | 0 27 |
| S 11 | 3 41 | 20 0 | 3 15 | 4 39 | 2 52 | 14 37 | 4 13 | 25 55 | 2 47 | 23 7 | 0 11 | 19 5 | 2 13 | 19 52 | 0 18 | 16 37 | 0 19 | 7 47 | 14 15 | 16 56 | 17 16 | 17 19 | 14 2 | 0 28 |
| S 12 | 3 17 | 20 2 | 2 20 | 4 46 | 3 3 | 14 32 | 4 6 | 25 53 | 2 46 | 23 7 | 0 11 | 19 5 | 2 13 | 19 52 | 0 18 | 16 36 | 0 19 | 7 46 | 14 15 | 16 55 | 17 17 | 17 21 | 14 0 | 0 28 |
| M13 | 2 54 | 19 8 | 1 17 | 4 48 | 3 14 | 14 27 | 3 59 | 25 51 | 2 45 | 23 7 | 0 10 | 19 5 | 2 13 | 19 52 | 0 18 | 16 36 | 0 19 | 7 46 | 14 16 | 16 55 | 17 18 | 17 22 | 13 59 | 0 29 |
| T 14 | 2 30 | 17 15 | 0 10 | 4 45 | 3 22 | 14 21 | 3 52 | 25 48 | 2 44 | 23 7 | 0 10 | 19 5 | 2 14 | 19 52 | 0 18 | 16 35 | 0 19 | 7 46 | 14 16 | 16 55 | 17 19 | 17 23 | 13 58 | 0 29 |
| W15 | 2 6 | 14 28 | 1n 0 | 4 37 | 3 29 | 14 15 | 3 45 | 25 46 | 2 43 | 23 7 | 0 10 | 19 4 | 2 14 | 19 52 | 0 18 | 16 35 | 0 19 | 7 45 | 14 16 | 16 55 | 17 20 | 17 25 | 13 57 | 0 29 |
| T 16 | 1 42 | 10 52 | 2 8 | 4 24 | 3 34 | 14 8 | 3 38 | 25 43 | 2 41 | 23 8 | 0 10 | 19 4 | 2 14 | 19 52 | 0 18 | 16 34 | 0 19 | 7 45 | 14 17 | 16 56 | 17 21 | 17 26 | 13 56 | 0 30 |
| F 17 | 1 19 | 6 36 | 3 11 | 4 6 | 3 37 | 14 1 | 3 30 | 25 41 | 2 40 | 23 8 | 0 10 | 19 4 | 2 14 | 19 51 | 0 18 | 16 34 | 0 19 | 7 44 | 14 17 | 16 57 | 17 22 | 17 28 | 13 55 | 0 30 |
| S 18 | 0 55 | 1 53 | 4 4 | 3 45 | 3 37 | 13 54 | 3 24 | 25 38 | 2 39 | 23 8 | 0 10 | 19 4 | 2 14 | 19 51 | 0 18 | 16 33 | 0 19 | 7 44 | 14 18 | 16 59 | 17 22 | 17 29 | 13 53 | 0 31 |
| S 19 | 0 31 | 3s 1 | 4 42 | 3 20 | 3 36 | 13 46 | 3 17 | 25 36 | 2 38 | 23 8 | 0 10 | 19 4 | 2 14 | 19 51 | 0 18 | 16 33 | 0 19 | 7 44 | 14 18 | 17 1 | 17 23 | 17 30 | 13 52 | 0 31 |
| M20 | 0 7 | 7 48 | 5 4 | 2 53 | 3 32 | 13 38 | 3 10 | 25 33 | 2 37 | 23 8 | 0 9 | 19 3 | 2 15 | 19 51 | 0 18 | 16 32 | 0 19 | 7 43 | 14 18 | 17 3 | 17 24 | 17 32 | 13 51 | 0 32 |
| T 21 | 0n17 | 12 10 | 5 6 | 2 23 | 3 27 | 13 29 | 3 3 | 25 30 | 2 36 | 23 8 | 0 9 | 19 3 | 2 15 | 19 51 | 0 18 | 16 32 | 0 19 | 7 43 | 14 19 | 17 5 | 17 25 | 17 33 | 13 50 | 0 32 |
| W22 | 0 40 | 15 48 | 4 48 | 1 52 | 3 19 | 13 20 | 2 56 | 25 27 | 2 35 | 23 8 | 0 9 | 19 3 | 2 15 | 19 51 | 0 18 | 16 31 | 0 19 | 7 42 | 14 19 | 17 6 | 17 26 | 17 34 | 13 48 | 0 32 |
| T 23 | 1 4 | 18 27 | 4 13 | 1 20 | 3 10 | 13 10 | 2 49 | 25 24 | 2 34 | 23 8 | 0 9 | 19 2 | 2 15 | 19 50 | 0 18 | 16 31 | 0 19 | 7 42 | 14 20 | 17 7 | 17 27 | 17 36 | 13 47 | 0 33 |
| F 24 | 1 28 | 19 56 | 3 22 | 0 49 | 2 59 | 13 0 | 2 42 | 25 21 | 2 33 | 23 8 | 0 9 | 19 2 | 2 15 | 19 50 | 0 18 | 16 30 | 0 19 | 7 41 | 14 20 | 17 8 | 17 28 | 17 37 | 13 45 | 0 33 |
| S 25 | 1 51 | 20 10 | 2 20 | 0 17 | 2 47 | 12 49 | 2 35 | 25 18 | 2 32 | 23 8 | 0 9 | 19 2 | 2 16 | 19 50 | 0 18 | 16 30 | 0 19 | 7 41 | 14 20 | 17 7 | 17 29 | 17 38 | 13 44 | 0 34 |
| S 26 | 2 15 | 19 10 | 1 11 | 0s13 | 2 34 | 12 38 | 2 28 | 25 14 | 2 31 | 23 8 | 0 9 | 19 1 | 2 16 | 19 50 | 0 18 | 16 29 | 0 19 | 7 40 | 14 21 | 17 7 | 17 29 | 17 40 | 13 42 | 0 34 |
| M27 | 2 39 | 17 3 | 0s 2 | 0 42 | 2 20 | 12 27 | 2 22 | 25 11 | 2 30 | 23 8 | 0 8 | 19 1 | 2 16 | 19 50 | 0 18 | 16 29 | 0 19 | 7 40 | 14 21 | 17 7 | 17 30 | 17 41 | 13 41 | 0 35 |
| T 28 | 3 2 | 14 2 | 1 13 | 1 9 | 2 6 | 12 15 | 2 15 | 25 8 | 2 29 | 23 8 | 0 8 | 19 1 | 2 16 | 19 49 | 0 18 | 16 29 | 0 19 | 7 40 | 14 22 | 17 7 | 17 31 | 17 42 | 13 39 | 0 35 |
| W29 | 3 26 | 10 20 | 2 19 | 1 33 | 1 51 | 12 3 | 2 8 | 25 4 | 2 28 | 23 8 | 0 8 | 19 0 | 2 16 | 19 49 | 0 18 | 16 28 | 0 19 | 7 39 | 14 22 | 17 8 | 17 32 | 17 44 | 13 38 | 0 35 |
| T 30 | 3 49 | 6 11 | 3 17 | 1 56 | 1 36 | 11 50 | 2 2 | 25 0 | 2 27 | 23 8 | 0 8 | 19 0 | 2 16 | 19 49 | 0 18 | 16 28 | 0 19 | 7 39 | 14 22 | 17 10 | 17 33 | 17 45 | 13 36 | 0 36 |
| F 31 | 4n13 | 1s49 | 4s 4 | 2s16 | 1n21 | 11s37 | 1n55 | 24n57 | 2n26 | 23n 8 | 0s 8 | 19s 0 | 2n17 | 19s49 | 0n18 | 16s27 | 0n19 | 7s38 | 14n23 | 17n12 | 17n34 | 17n46 | 13s35 | 0n36 |

Julian Day Number = 2811733.5, Delta T = 53m23s
Ecliptic obliquity = 23°18'36, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'42, Lahiri = 37°39'43


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# ASTRODIENST EPHEMERIS for the year 2986
# geocentric

## APRIL 2986 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 39 41 | 11♈41'05 | 17♈31 | 20°R58 | 25♒ 4 | 14♋55 | 3♋33 | 6°R13 | 0°R15 | 13♒15 | 10°R19 | 11°R28 | 10♌16 | 12♊10 | 8°R 5 | S 1 |
| S 2 | 12 43 37 | 12°40'51 | 29°59 | 20°D55 | 26° 4 | 15°21 | 3°39 | 6♐12 | 0♐14 | 13°16 | 10♐19 | 11♌16 | 10°13 | 12°17 | 8♏ 1 | S 2 |
| M 3 | 12 47 34 | 13°40'35 | 12♉16 | 20♓58 | 27° 5 | 15°47 | 3°46 | 6°10 | 0°13 | 13°18 | 10°18 | 11° 4 | 10° 9 | 12°23 | 7°58 | M 3 |
| T 4 | 12 51 30 | 14°40'18 | 24°21 | 21° 7 | 28° 6 | 16°13 | 3°53 | 6° 8 | 0°11 | 13°19 | 10°17 | 10°54 | 10° 6 | 12°30 | 7°54 | T 4 |
| W 5 | 12 55 27 | 15°39'58 | 6♊18 | 21°21 | 29° 7 | 16°40 | 4° 0 | 6° 6 | 0°10 | 13°20 | 10°17 | 10°45 | 10° 3 | 12°37 | 7°49 | W 5 |
| T 6 | 12 59 24 | 16°39'36 | 18°10 | 21°40 | 0♓ 9 | 17° 7 | 4° 7 | 6° 4 | 0° 8 | 13°22 | 10°16 | 10°38 | 10° 0 | 12°43 | 7°45 | T 6 |
| F 7 | 13 3 20 | 17°39'12 | 29°59 | 22° 5 | 1°11 | 17°34 | 4°14 | 6° 2 | 0° 6 | 13°23 | 10°15 | 10°34 | 9°57 | 12°50 | 7°41 | F 7 |
| S 8 | 13 7 17 | 18°38'45 | 11♋52 | 22°34 | 2°13 | 18° 2 | 4°22 | 6° 0 | 0° 5 | 13°24 | 10°14 | 10°33 | 9°54 | 12°57 | 7°37 | S 8 |
| S 9 | 13 11 13 | 19°38'17 | 23°52 | 23° 8 | 3°15 | 18°29 | 4°30 | 5°57 | 0° 3 | 13°25 | 10°13 | 10°D33 | 9°50 | 13° 3 | 7°33 | S 9 |
| M10 | 13 15 10 | 20°37'46 | 6♌ 6 | 23°45 | 4°18 | 18°57 | 4°37 | 5°55 | 0° 1 | 13°26 | 10°12 | 10°R33 | 9°47 | 13°10 | 7°28 | M10 |
| T 11 | 13 19 6 | 21°37'13 | 18°39 | 24°27 | 5°21 | 19°25 | 4°45 | 5°52 | 29♏59 | 13°28 | 10°12 | 10°33 | 9°44 | 13°17 | 7°24 | T 11 |
| W12 | 13 23 3 | 22°36'37 | 1♍34 | 25°12 | 6°24 | 19°53 | 4°53 | 5°50 | 29°58 | 13°29 | 10°11 | 10°31 | 9°41 | 13°24 | 7°19 | W12 |
| T 13 | 13 26 59 | 23°36'00 | 14°57 | 26° 1 | 7°28 | 20°21 | 5° 1 | 5°47 | 29°56 | 13°30 | 10°10 | 10°27 | 9°38 | 13°30 | 7°15 | T 13 |
| F 14 | 13 30 56 | 24°35'20 | 28°47 | 26°53 | 8°32 | 20°49 | 5°10 | 5°44 | 29°54 | 13°31 | 10° 9 | 10°20 | 9°34 | 13°37 | 7°11 | F 14 |
| S 15 | 13 34 53 | 25°34'38 | 13♎ 2 | 27°48 | 9°36 | 21°18 | 5°18 | 5°41 | 29°52 | 13°32 | 10° 8 | 10°11 | 9°31 | 13°44 | 7° 6 | S 15 |
| S 16 | 13 38 49 | 26°33'54 | 27°40 | 28°46 | 10°40 | 21°46 | 5°27 | 5°38 | 29°50 | 13°33 | 10° 6 | 10° 0 | 9°28 | 13°50 | 7° 1 | S 16 |
| M17 | 13 42 46 | 27°33'08 | 12♏31 | 29°47 | 11°45 | 22°15 | 5°35 | 5°35 | 29°48 | 13°34 | 10° 5 | 9°49 | 9°25 | 13°57 | 6°57 | M17 |
| T 18 | 13 46 42 | 28°32'20 | 27°27 | 0♈51 | 12°50 | 22°44 | 5°44 | 5°32 | 29°46 | 13°35 | 10° 4 | 9°38 | 9°22 | 14° 4 | 6°52 | T 18 |
| W19 | 13 50 39 | 29°31'31 | 12♐20 | 1°57 | 13°55 | 23°13 | 5°53 | 5°29 | 29°44 | 13°35 | 10° 3 | 9°30 | 9°19 | 14°10 | 6°48 | W19 |
| T 20 | 13 54 35 | 0♉30'39 | 27° 0 | 3° 5 | 15° 0 | 23°43 | 6° 2 | 5°26 | 29°42 | 13°36 | 10° 2 | 9°24 | 9°15 | 14°17 | 6°43 | T 20 |
| F 21 | 13 58 32 | 1°29'46 | 11♑24 | 4°16 | 16° 5 | 24°12 | 6°11 | 5°23 | 29°40 | 13°37 | 10° 1 | 9°21 | 9°12 | 14°24 | 6°38 | F 21 |
| S 22 | 14 2 28 | 2°28'52 | 25°29 | 5°28 | 17°11 | 24°42 | 6°21 | 5°19 | 29°38 | 13°38 | 10° 0 | 9°20 | 9° 9 | 14°30 | 6°34 | S 22 |
| S 23 | 14 6 25 | 3°27'55 | 9♒14 | 6°43 | 18°16 | 25°12 | 6°30 | 5°16 | 29°35 | 13°39 | 9°58 | 9°20 | 9° 6 | 14°37 | 6°29 | S 23 |
| M24 | 14 10 22 | 4°26'57 | 22°40 | 8° 0 | 19°22 | 25°41 | 6°39 | 5°12 | 29°33 | 13°39 | 9°57 | 9°20 | 9° 3 | 14°44 | 6°24 | M24 |
| T 25 | 14 14 18 | 5°25'58 | 5♓51 | 9°19 | 20°29 | 26°11 | 6°49 | 5° 9 | 29°31 | 13°40 | 9°56 | 9°18 | 9° 0 | 14°51 | 6°20 | T 25 |
| W26 | 14 18 15 | 6°24'56 | 18°47 | 10°40 | 21°35 | 26°41 | 6°59 | 5° 5 | 29°29 | 13°41 | 9°55 | 9°13 | 8°56 | 14°57 | 6°15 | W26 |
| T 27 | 14 22 11 | 7°23'53 | 1♈31 | 12° 3 | 22°41 | 27°12 | 7° 9 | 5° 1 | 29°26 | 13°41 | 9°53 | 9° 6 | 8°53 | 15° 4 | 6°10 | T 27 |
| F 28 | 14 26 8 | 8°22'48 | 14° 4 | 13°28 | 23°48 | 27°42 | 7°19 | 4°58 | 29°24 | 13°42 | 9°52 | 8°56 | 8°50 | 15°11 | 6° 5 | F 28 |
| S 29 | 14 30 4 | 9°21'41 | 26°28 | 14°54 | 24°55 | 28°13 | 7°29 | 4°54 | 29°22 | 13°42 | 9°51 | 8°43 | 8°47 | 15°17 | 6° 1 | S 29 |
| S 30 | 14 34 1 | 10♉20'32 | 8♉43 | 16♈22 | 26♓ 2 | 28♋43 | 7♋39 | 4♐50 | 29♏20 | 13♒43 | 9♐49 | 8♌29 | 8♌44 | 15♊24 | 5♏56 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n36 | 2n34 | 4s38 | 2s33 | 1n 6 | 11s23 | 1n49 | 24n53 | 2n25 | 23n 8 | 0s 8 | 18s59 | 2n17 | 19s48 | 0n18 | 16s27 | 0n19 | 7s38 | 14n23 | 17n15 | 17n35 | 17n48 | 13s33 | 0n37 |
| S 2 | 4 59 | 6 46 | 4 57 | 2 48 | 0 51 | 11 9 | 1 43 | 24 49 | 2 24 | 23 8 | 0 8 | 18 59 | 2 17 | 19 48 | 0 18 | 16 27 | 0 19 | 7 37 | 14 23 | 17 18 | 17 35 | 17 49 | 13 31 | 0 37 |
| M 3 | 5 22 | 10 37 | 5 3 | 3 0 | 0 37 | 10 55 | 1 36 | 24 45 | 2 23 | 23 8 | 0 7 | 18 58 | 2 17 | 19 48 | 0 18 | 16 26 | 0 19 | 7 37 | 14 24 | 17 21 | 17 36 | 17 50 | 13 30 | 0 38 |
| T 4 | 5 45 | 13 59 | 4 55 | 3 10 | 0 22 | 10 40 | 1 30 | 24 41 | 2 22 | 23 8 | 0 7 | 18 58 | 2 17 | 19 47 | 0 18 | 16 26 | 0 19 | 7 36 | 14 24 | 17 24 | 17 37 | 17 52 | 13 28 | 0 38 |
| W 5 | 6 8 | 16 45 | 4 34 | 3 17 | 0 9 | 10 24 | 1 24 | 24 36 | 2 21 | 23 8 | 0 7 | 18 57 | 2 17 | 19 47 | 0 18 | 16 25 | 0 19 | 7 36 | 14 24 | 17 27 | 17 38 | 17 53 | 13 26 | 0 38 |
| T 6 | 6 31 | 18 47 | 4 1 | 3 21 | 0s 5 | 10 9 | 1 18 | 24 32 | 2 20 | 23 8 | 0 7 | 18 57 | 2 18 | 19 47 | 0 18 | 16 25 | 0 19 | 7 36 | 14 25 | 17 28 | 17 39 | 17 54 | 13 25 | 0 39 |
| F 7 | 6 54 | 20 0 | 3 18 | 3 24 | 0 18 | 9 53 | 1 12 | 24 27 | 2 19 | 23 8 | 0 7 | 18 56 | 2 18 | 19 46 | 0 18 | 16 25 | 0 19 | 7 35 | 14 25 | 17 29 | 17 40 | 17 55 | 13 23 | 0 39 |
| S 8 | 7 16 | 20 21 | 2 26 | 3 23 | 0 30 | 9 36 | 1 6 | 24 23 | 2 18 | 23 7 | 0 7 | 18 56 | 2 18 | 19 46 | 0 18 | 16 24 | 0 19 | 7 35 | 14 25 | 17 30 | 17 40 | 17 57 | 13 21 | 0 40 |
| S 9 | 7 39 | 19 47 | 1 28 | 3 21 | 0 42 | 9 20 | 1 0 | 24 18 | 2 17 | 23 7 | 0 7 | 18 55 | 2 18 | 19 46 | 0 18 | 16 24 | 0 19 | 7 34 | 14 26 | 17 30 | 17 41 | 17 58 | 13 19 | 0 40 |
| M10 | 8 1 | 18 16 | 0 24 | 3 17 | 0 53 | 9 3 | 0 54 | 24 13 | 2 16 | 23 7 | 0 7 | 18 55 | 2 18 | 19 45 | 0 18 | 16 24 | 0 19 | 7 34 | 14 26 | 17 30 | 17 42 | 17 59 | 13 17 | 0 41 |
| T 11 | 8 23 | 15 50 | 0n43 | 3 10 | 1 4 | 8 45 | 0 48 | 24 9 | 2 15 | 23 7 | 0 6 | 18 54 | 2 18 | 19 45 | 0 18 | 16 23 | 0 19 | 7 33 | 14 26 | 17 30 | 17 43 | 18 1 | 13 16 | 0 41 |
| W12 | 8 45 | 12 33 | 1 49 | 3 1 | 1 14 | 8 27 | 0 43 | 24 4 | 2 14 | 23 7 | 0 6 | 18 53 | 2 18 | 19 45 | 0 18 | 16 23 | 0 19 | 7 33 | 14 27 | 17 30 | 17 44 | 18 2 | 13 14 | 0 41 |
| T 13 | 9 7 | 8 32 | 2 52 | 2 51 | 1 23 | 8 9 | 0 37 | 23 58 | 2 13 | 23 7 | 0 6 | 18 53 | 2 19 | 19 44 | 0 18 | 16 23 | 0 19 | 7 33 | 14 27 | 17 32 | 17 45 | 18 3 | 13 12 | 0 42 |
| F 14 | 9 29 | 3 57 | 3 46 | 2 39 | 1 32 | 7 50 | 0 31 | 23 53 | 2 12 | 23 7 | 0 6 | 18 52 | 2 19 | 19 44 | 0 18 | 16 22 | 0 19 | 7 32 | 14 27 | 17 33 | 17 46 | 18 4 | 13 10 | 0 42 |
| S 15 | 9 50 | 1s 0 | 4 28 | 2 25 | 1 41 | 7 32 | 0 26 | 23 48 | 2 11 | 23 6 | 0 6 | 18 52 | 2 19 | 19 43 | 0 18 | 16 22 | 0 19 | 7 32 | 14 28 | 17 36 | 17 46 | 18 6 | 13 8 | 0 43 |
| S 16 | 10 12 | 6 0 | 4 54 | 2 9 | 1 48 | 7 12 | 0 21 | 23 42 | 2 10 | 23 6 | 0 6 | 18 51 | 2 19 | 19 43 | 0 18 | 16 22 | 0 19 | 7 31 | 14 28 | 17 39 | 17 47 | 18 7 | 13 6 | 0 43 |
| M17 | 10 33 | 10 44 | 5 1 | 1 51 | 1 56 | 6 53 | 0 15 | 23 37 | 2 10 | 23 6 | 0 6 | 18 50 | 2 19 | 19 42 | 0 18 | 16 22 | 0 19 | 7 31 | 14 28 | 17 42 | 17 48 | 18 8 | 13 5 | 0 43 |
| T 18 | 10 54 | 14 50 | 4 47 | 1 32 | 2 2 | 6 33 | 0 10 | 23 31 | 2 9 | 23 6 | 0 6 | 18 50 | 2 19 | 19 42 | 0 18 | 16 21 | 0 19 | 7 30 | 14 28 | 17 44 | 17 49 | 18 10 | 13 3 | 0 44 |
| W19 | 11 15 | 17 58 | 4 13 | 1 12 | 2 9 | 6 13 | 0 5 | 23 25 | 2 8 | 23 5 | 0 5 | 18 49 | 2 19 | 19 42 | 0 18 | 16 21 | 0 19 | 7 30 | 14 29 | 17 47 | 17 50 | 18 11 | 13 1 | 0 44 |
| T 20 | 11 35 | 19 53 | 3 24 | 0 50 | 2 14 | 5 53 | 0 0 | 23 19 | 2 7 | 23 5 | 0 5 | 18 48 | 2 19 | 19 41 | 0 18 | 16 21 | 0 19 | 7 30 | 14 29 | 17 48 | 17 51 | 18 12 | 12 59 | 0 45 |
| F 21 | 11 56 | 20 28 | 2 22 | 0 27 | 2 19 | 5 32 | 0s 5 | 23 13 | 2 6 | 23 5 | 0 5 | 18 48 | 2 19 | 19 41 | 0 18 | 16 21 | 0 19 | 7 29 | 14 29 | 17 49 | 17 51 | 18 13 | 12 57 | 0 45 |
| S 22 | 12 16 | 19 44 | 1 13 | 0 2 | 2 24 | 5 11 | 0 9 | 23 7 | 2 5 | 23 4 | 0 5 | 18 47 | 2 20 | 19 40 | 0 18 | 16 20 | 0 19 | 7 29 | 14 30 | 17 49 | 17 52 | 18 15 | 12 55 | 0 45 |
| S 23 | 12 36 | 17 50 | 0 1 | 0n24 | 2 28 | 4 50 | 0 14 | 23 1 | 2 4 | 23 4 | 0 5 | 18 46 | 2 20 | 19 40 | 0 18 | 16 20 | 0 19 | 7 28 | 14 30 | 17 49 | 17 53 | 18 16 | 12 53 | 0 46 |
| M24 | 12 56 | 14 59 | 1s10 | 0 51 | 2 31 | 4 28 | 0 19 | 22 55 | 2 3 | 23 4 | 0 5 | 18 46 | 2 20 | 19 39 | 0 18 | 16 20 | 0 19 | 7 28 | 14 30 | 17 49 | 17 54 | 18 17 | 12 51 | 0 46 |
| T 25 | 13 16 | 11 25 | 2 15 | 1 19 | 2 34 | 4 7 | 0 23 | 22 48 | 2 2 | 23 3 | 0 5 | 18 45 | 2 20 | 19 39 | 0 18 | 16 20 | 0 19 | 7 28 | 14 30 | 17 50 | 17 55 | 18 18 | 12 49 | 0 47 |
| W26 | 13 35 | 7 22 | 3 12 | 1 48 | 2 36 | 3 45 | 0 28 | 22 42 | 2 2 | 23 3 | 0 5 | 18 44 | 2 20 | 19 38 | 0 18 | 16 20 | 0 19 | 7 27 | 14 30 | 17 51 | 17 56 | 18 20 | 12 47 | 0 47 |
| T 27 | 13 54 | 3 3 | 3 58 | 2 19 | 2 38 | 3 23 | 0 32 | 22 35 | 2 1 | 23 3 | 0 5 | 18 43 | 2 20 | 19 38 | 0 18 | 16 19 | 0 19 | 7 27 | 14 31 | 17 53 | 17 56 | 18 21 | 12 45 | 0 47 |
| F 28 | 14 13 | 1n20 | 4 32 | 2 50 | 2 39 | 3 0 | 0 36 | 22 28 | 2 0 | 23 2 | 0 4 | 18 43 | 2 20 | 19 37 | 0 18 | 16 19 | 0 19 | 7 26 | 14 31 | 17 56 | 17 57 | 18 22 | 12 44 | 0 48 |
| S 29 | 14 32 | 5 36 | 4 53 | 3 22 | 2 40 | 2 38 | 0 40 | 22 21 | 1 59 | 23 2 | 0 4 | 18 42 | 2 20 | 19 37 | 0 18 | 16 19 | 0 19 | 7 26 | 14 31 | 17 59 | 17 58 | 18 23 | 12 42 | 0 48 |
| S 30 | 14n51 | 9n35 | 5s 0 | 3n56 | 2s41 | 2s15 | 0s44 | 22n14 | 1n58 | 23n 1 | 0s 4 | 18s41 | 2n20 | 19s36 | 0n18 | 16s19 | 0n19 | 7s26 | 14n31 | 18n 3 | 17n59 | 18n24 | 12s40 | 0n49 |

Julian Day Number = 2811764.5, Delta T = 53m23s
Ecliptic obliquity = 23°18'36, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'47, Lahiri = 37°39'47


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# ASTRODIENST EPHEMERIS for the year 2986
# geocentric

## MAY 2986 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 37 57 | 11♉19'21 | 20♉49 | 17♈52 | 27♓ 9 | 29♋14 | 7♋49 | 4°R46 | 29°R17 | 13♒43 | 9°R48 | 8°R15 | 8♌40 | 15♊31 | 5°R51 | M 1 |
| T 2 | 14 41 54 | 12°18'08 | 2♊48 | 19°24 | 28°16 | 29°45 | 7°59 | 4♐42 | 29♏15 | 13°44 | 9♐46 | 8♌ 2 | 8°37 | 15°37 | 5♏47 | T 2 |
| W 3 | 14 45 51 | 13°16'54 | 14°41 | 20°57 | 29°23 | 0♌16 | 8°10 | 4°38 | 29°12 | 13°44 | 9°45 | 7°50 | 8°34 | 15°44 | 5°42 | W 3 |
| T 4 | 14 49 47 | 14°15'37 | 26°31 | 22°32 | 0♈31 | 0°47 | 8°20 | 4°34 | 29°10 | 13°45 | 9°43 | 7°42 | 8°31 | 15°51 | 5°37 | T 4 |
| F 5 | 14 53 44 | 15°14'18 | 8♋19 | 24° 9 | 1°38 | 1°18 | 8°31 | 4°30 | 29° 8 | 13°45 | 9°42 | 7°36 | 8°28 | 15°58 | 5°33 | F 5 |
| S 6 | 14 57 40 | 16°12'58 | 20°11 | 25°47 | 2°46 | 1°49 | 8°42 | 4°26 | 29° 5 | 13°45 | 9°40 | 7°33 | 8°25 | 16° 4 | 5°28 | S 6 |
| S 7 | 15 1 37 | 17°11'35 | 2♌ 9 | 27°27 | 3°54 | 2°21 | 8°53 | 4°21 | 29° 3 | 13°46 | 9°39 | 7°32 | 8°21 | 16°11 | 5°24 | S 7 |
| M 8 | 15 5 33 | 18°10'10 | 14°21 | 29° 9 | 5° 2 | 2°52 | 9° 4 | 4°17 | 29° 0 | 13°46 | 9°37 | 7°32 | 8°18 | 16°18 | 5°19 | M 8 |
| T 9 | 15 9 30 | 19° 8'42 | 26°50 | 0♉52 | 6°10 | 3°24 | 9°15 | 4°13 | 28°58 | 13°46 | 9°36 | 7°32 | 8°15 | 16°24 | 5°15 | T 9 |
| W10 | 15 13 26 | 20° 7'13 | 9♍42 | 2°37 | 7°18 | 3°56 | 9°26 | 4° 9 | 28°55 | 13°46 | 9°34 | 7°31 | 8°12 | 16°31 | 5°10 | W10 |
| T 11 | 15 17 23 | 21° 5'41 | 23° 2 | 4°24 | 8°26 | 4°27 | 9°37 | 4° 4 | 28°53 | 13°47 | 9°33 | 7°27 | 8° 9 | 16°38 | 5° 6 | T 11 |
| F 12 | 15 21 19 | 22° 4'08 | 6♎51 | 6°13 | 9°35 | 4°59 | 9°48 | 4° 0 | 28°50 | 13°47 | 9°31 | 7°21 | 8° 5 | 16°44 | 5° 1 | F 12 |
| S 13 | 15 25 16 | 23° 2'32 | 21° 9 | 8° 3 | 10°43 | 5°31 | 9°59 | 3°55 | 28°48 | 13°47 | 9°30 | 7°13 | 8° 2 | 16°51 | 4°57 | S 13 |
| S 14 | 15 29 13 | 24° 0'54 | 5♏54 | 9°55 | 11°52 | 6° 3 | 10°11 | 3°51 | 28°45 | 13°47 | 9°28 | 7° 3 | 7°59 | 16°58 | 4°53 | S 14 |
| M15 | 15 33 9 | 24°59'15 | 20°58 | 11°48 | 13° 0 | 6°36 | 10°22 | 3°47 | 28°43 | 13°R47 | 9°27 | 6°53 | 7°56 | 17° 4 | 4°49 | M15 |
| T 16 | 15 37 6 | 25°57'34 | 6♐11 | 13°44 | 14° 9 | 7° 8 | 10°34 | 3°42 | 28°40 | 13°47 | 9°25 | 6°43 | 7°53 | 17°11 | 4°44 | T 16 |
| W17 | 15 41 2 | 26°55'51 | 21°22 | 15°41 | 15°18 | 7°40 | 10°45 | 3°38 | 28°37 | 13°47 | 9°23 | 6°35 | 7°50 | 17°18 | 4°40 | W17 |
| T 18 | 15 44 59 | 27°54'07 | 6♑23 | 17°39 | 16°27 | 8°13 | 10°57 | 3°33 | 28°35 | 13°47 | 9°22 | 6°29 | 7°46 | 17°25 | 4°36 | T 18 |
| F 19 | 15 48 55 | 28°52'21 | 21° 4 | 19°40 | 17°36 | 8°45 | 11° 9 | 3°29 | 28°32 | 13°47 | 9°20 | 6°26 | 7°43 | 17°31 | 4°32 | F 19 |
| S 20 | 15 52 52 | 29°50'34 | 5♒21 | 21°42 | 18°45 | 9°18 | 11°21 | 3°24 | 28°30 | 13°47 | 9°18 | 6°D26 | 7°40 | 17°38 | 4°28 | S 20 |
| S 21 | 15 56 49 | 0♊48'45 | 19°14 | 23°45 | 19°54 | 9°50 | 11°33 | 3°20 | 28°27 | 13°46 | 9°17 | 6°26 | 7°37 | 17°45 | 4°25 | S 21 |
| M22 | 16 0 45 | 1°46'55 | 2♓42 | 25°51 | 21° 3 | 10°23 | 11°45 | 3°15 | 28°25 | 13°46 | 9°15 | 6°R26 | 7°34 | 17°51 | 4°21 | M22 |
| T 23 | 16 4 42 | 2°45'03 | 15°49 | 27°57 | 22°13 | 10°56 | 11°57 | 3°11 | 28°22 | 13°46 | 9°13 | 6°25 | 7°31 | 17°58 | 4°17 | T 23 |
| W24 | 16 8 38 | 3°43'10 | 28°37 | 0♊ 5 | 23°22 | 11°29 | 12° 9 | 3° 6 | 28°20 | 13°46 | 9°12 | 6°23 | 7°27 | 18° 5 | 4°13 | W24 |
| T 25 | 16 12 35 | 4°41'16 | 11♈10 | 2°13 | 24°32 | 12° 2 | 12°21 | 3° 1 | 28°17 | 13°45 | 9°10 | 6°17 | 7°24 | 18°11 | 4°10 | T 25 |
| F 26 | 16 16 31 | 5°39'20 | 23°31 | 4°23 | 25°41 | 12°35 | 12°33 | 2°57 | 28°15 | 13°45 | 9° 8 | 6°10 | 7°21 | 18°18 | 4° 6 | F 26 |
| S 27 | 16 20 28 | 6°37'23 | 5♉42 | 6°33 | 26°51 | 13° 8 | 12°46 | 2°52 | 28°12 | 13°45 | 9° 7 | 6° 0 | 7°18 | 18°25 | 4° 3 | S 27 |
| S 28 | 16 24 24 | 7°35'25 | 17°46 | 8°44 | 28° 1 | 13°41 | 12°58 | 2°48 | 28°10 | 13°44 | 9° 5 | 5°49 | 7°15 | 18°31 | 3°59 | S 28 |
| M29 | 16 28 21 | 8°33'25 | 29°43 | 10°55 | 29°10 | 14°14 | 13°10 | 2°43 | 28° 7 | 13°44 | 9° 3 | 5°38 | 7°11 | 18°38 | 3°56 | M29 |
| T 30 | 16 32 18 | 9°31'24 | 11♊36 | 13° 6 | 0♉20 | 14°48 | 13°23 | 2°39 | 28° 5 | 13°43 | 9° 2 | 5°28 | 7° 8 | 18°45 | 3°53 | T 30 |
| W31 | 16 36 14 | 10♊29'21 | 23♊26 | 15♊17 | 1♉30 | 15♌21 | 13♋35 | 2♐34 | 28♏ 2 | 13♒43 | 9♐ 0 | 5♌19 | 7♌ 5 | 18♊51 | 3♏50 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15n 9 | 13n 9 | 4s53 | 4n30 | 2s40 | 1s52 | 0s48 | 22n 7 | 1n57 | 23n 1 | 0s 4 | 18s40 | 2n20 | 19s36 | 0n18 | 16s19 | 0n19 | 7s25 | 14n31 | 18n 6 | 18n 0 | 18n26 | 12s38 | 0n49 |
| T 2 | 15 27 | 16 9 | 4 33 | 5 5 | 2 39 | 1 29 | 0 52 | 22 0 | 1 57 | 23 0 | 0 4 | 18 40 | 2 20 | 19 35 | 0 18 | 16 19 | 0 19 | 7 25 | 14 32 | 18 10 | 18 1 | 18 27 | 12 36 | 0 49 |
| W 3 | 15 44 | 18 27 | 4 1 | 5 41 | 2 38 | 1 6 | 0 56 | 21 52 | 1 56 | 23 0 | 0 4 | 18 39 | 2 20 | 19 35 | 0 18 | 16 19 | 0 19 | 7 25 | 14 32 | 18 13 | 18 1 | 18 28 | 12 34 | 0 50 |
| T 4 | 16 2 | 19 57 | 3 19 | 6 18 | 2 36 | 0 43 | 1 0 | 21 45 | 1 55 | 22 59 | 0 4 | 18 38 | 2 20 | 19 34 | 0 18 | 16 18 | 0 19 | 7 24 | 14 32 | 18 15 | 18 2 | 18 29 | 12 32 | 0 50 |
| F 5 | 16 19 | 20 35 | 2 28 | 6 56 | 2 34 | 0 19 | 1 3 | 21 37 | 1 54 | 22 59 | 0 4 | 18 37 | 2 20 | 19 34 | 0 18 | 16 18 | 0 19 | 7 24 | 14 32 | 18 16 | 18 3 | 18 31 | 12 30 | 0 51 |
| S 6 | 16 36 | 20 19 | 1 31 | 7 34 | 2 31 | 0n 5 | 1 7 | 21 29 | 1 53 | 22 58 | 0 4 | 18 37 | 2 21 | 19 33 | 0 18 | 16 18 | 0 19 | 7 24 | 14 32 | 18 17 | 18 4 | 18 32 | 12 28 | 0 51 |
| S 7 | 16 53 | 19 7 | 0 28 | 8 13 | 2 28 | 0 28 | 1 10 | 21 21 | 1 52 | 22 57 | 0 3 | 18 36 | 2 21 | 19 33 | 0 18 | 16 18 | 0 19 | 7 23 | 14 32 | 18 17 | 18 5 | 18 33 | 12 27 | 0 51 |
| M 8 | 17 9 | 17 1 | 0n36 | 8 52 | 2 24 | 0 52 | 1 13 | 21 13 | 1 52 | 22 57 | 0 3 | 18 35 | 2 21 | 19 32 | 0 18 | 16 18 | 0 19 | 7 23 | 14 33 | 18 17 | 18 5 | 18 34 | 12 25 | 0 52 |
| T 9 | 17 25 | 14 5 | 1 40 | 9 32 | 2 19 | 1 16 | 1 16 | 21 5 | 1 51 | 22 56 | 0 3 | 18 34 | 2 21 | 19 32 | 0 18 | 16 18 | 0 19 | 7 23 | 14 33 | 18 17 | 18 6 | 18 35 | 12 23 | 0 52 |
| W10 | 17 41 | 10 23 | 2 42 | 10 13 | 2 15 | 1 40 | 1 19 | 20 57 | 1 50 | 22 56 | 0 3 | 18 33 | 2 21 | 19 31 | 0 18 | 16 18 | 0 19 | 7 22 | 14 33 | 18 18 | 18 7 | 18 37 | 12 21 | 0 52 |
| T 11 | 17 56 | 6 4 | 3 36 | 10 53 | 2 9 | 2 4 | 1 22 | 20 49 | 1 49 | 22 55 | 0 3 | 18 33 | 2 21 | 19 31 | 0 18 | 16 18 | 0 19 | 7 22 | 14 33 | 18 18 | 18 8 | 18 38 | 12 19 | 0 53 |
| F 12 | 18 11 | 1 17 | 4 21 | 11 35 | 2 3 | 2 28 | 1 25 | 20 40 | 1 49 | 22 54 | 0 3 | 18 32 | 2 21 | 19 30 | 0 18 | 16 18 | 0 19 | 7 22 | 14 33 | 18 20 | 18 9 | 18 39 | 12 18 | 0 53 |
| S 13 | 18 26 | 3s43 | 4 50 | 12 16 | 1 57 | 2 53 | 1 28 | 20 32 | 1 48 | 22 53 | 0 3 | 18 31 | 2 21 | 19 30 | 0 18 | 16 18 | 0 19 | 7 21 | 14 33 | 18 22 | 18 10 | 18 40 | 12 16 | 0 53 |
| S 14 | 18 40 | 8 40 | 5 2 | 12 58 | 1 50 | 3 17 | 1 30 | 20 23 | 1 47 | 22 53 | 0 3 | 18 30 | 2 21 | 19 29 | 0 18 | 16 18 | 0 19 | 7 21 | 14 33 | 18 25 | 18 10 | 18 41 | 12 14 | 0 54 |
| M15 | 18 55 | 13 11 | 4 53 | 13 40 | 1 43 | 3 41 | 1 33 | 20 14 | 1 46 | 22 52 | 0 3 | 18 29 | 2 21 | 19 29 | 0 18 | 16 18 | 0 19 | 7 21 | 14 33 | 18 27 | 18 11 | 18 43 | 12 12 | 0 54 |
| T 16 | 19 8 | 16 54 | 4 23 | 14 22 | 1 35 | 4 5 | 1 35 | 20 5 | 1 45 | 22 51 | 0 2 | 18 28 | 2 21 | 19 28 | 0 18 | 16 18 | 0 19 | 7 20 | 14 33 | 18 30 | 18 12 | 18 44 | 12 11 | 0 55 |
| W17 | 19 22 | 19 27 | 3 35 | 15 3 | 1 27 | 4 30 | 1 37 | 19 56 | 1 45 | 22 50 | 0 2 | 18 28 | 2 21 | 19 27 | 0 18 | 16 18 | 0 19 | 7 20 | 14 33 | 18 32 | 18 13 | 18 45 | 12 9 | 0 55 |
| T 18 | 19 35 | 20 37 | 2 33 | 15 45 | 1 18 | 4 54 | 1 39 | 19 47 | 1 44 | 22 49 | 0 2 | 18 27 | 2 21 | 19 27 | 0 18 | 16 18 | 0 19 | 7 20 | 14 33 | 18 33 | 18 14 | 18 46 | 12 7 | 0 55 |
| F 19 | 19 48 | 20 20 | 1 21 | 16 26 | 1 10 | 5 18 | 1 41 | 19 38 | 1 43 | 22 49 | 0 2 | 18 26 | 2 21 | 19 26 | 0 18 | 16 18 | 0 19 | 7 20 | 14 33 | 18 34 | 18 14 | 18 47 | 12 6 | 0 56 |
| S 20 | 20 0 | 18 44 | 0 6 | 17 7 | 1 0 | 5 43 | 1 43 | 19 29 | 1 42 | 22 48 | 0 2 | 18 25 | 2 21 | 19 26 | 0 18 | 16 18 | 0 19 | 7 19 | 14 33 | 18 34 | 18 15 | 18 48 | 12 4 | 0 56 |
| S 21 | 20 13 | 16 3 | 1s 8 | 17 48 | 0 51 | 6 7 | 1 45 | 19 19 | 1 42 | 22 47 | 0 2 | 18 24 | 2 21 | 19 25 | 0 18 | 16 18 | 0 19 | 7 19 | 14 33 | 18 34 | 18 16 | 18 50 | 12 2 | 0 56 |
| M22 | 20 24 | 12 34 | 2 15 | 18 27 | 0 41 | 6 31 | 1 47 | 19 10 | 1 41 | 22 46 | 0 2 | 18 24 | 2 21 | 19 25 | 0 18 | 16 18 | 0 19 | 7 19 | 14 33 | 18 34 | 18 17 | 18 51 | 12 1 | 0 57 |
| T 23 | 20 36 | 8 32 | 3 14 | 19 6 | 0 31 | 6 55 | 1 49 | 19 0 | 1 40 | 22 45 | 0 2 | 18 23 | 2 21 | 19 24 | 0 18 | 16 18 | 0 19 | 7 19 | 14 33 | 18 34 | 18 18 | 18 52 | 11 59 | 0 57 |
| W24 | 20 47 | 4 14 | 4 1 | 19 43 | 0 20 | 7 19 | 1 50 | 18 50 | 1 39 | 22 44 | 0 2 | 18 22 | 2 21 | 19 24 | 0 18 | 16 18 | 0 19 | 7 19 | 14 33 | 18 35 | 18 18 | 18 53 | 11 58 | 0 57 |
| T 25 | 20 58 | 0n10 | 4 36 | 20 20 | 0 10 | 7 43 | 1 52 | 18 40 | 1 39 | 22 43 | 0 2 | 18 21 | 2 20 | 19 23 | 0 18 | 16 18 | 0 19 | 7 18 | 14 33 | 18 36 | 18 19 | 18 54 | 11 56 | 0 58 |
| F 26 | 21 8 | 4 29 | 4 57 | 20 55 | 0n 0 | 8 7 | 1 53 | 18 30 | 1 38 | 22 42 | 0 1 | 18 20 | 2 20 | 19 23 | 0 18 | 16 18 | 0 19 | 7 18 | 14 33 | 18 38 | 18 20 | 18 55 | 11 55 | 0 58 |
| S 27 | 21 18 | 8 34 | 5 4 | 21 28 | 0 11 | 8 31 | 1 54 | 18 20 | 1 37 | 22 41 | 0 1 | 18 19 | 2 20 | 19 22 | 0 18 | 16 18 | 0 19 | 7 18 | 14 33 | 18 40 | 18 21 | 18 56 | 11 53 | 0 58 |
| S 28 | 21 27 | 12 16 | 4 58 | 22 0 | 0 21 | 8 55 | 1 55 | 18 10 | 1 36 | 22 40 | 0 1 | 18 19 | 2 20 | 19 21 | 0 18 | 16 19 | 0 19 | 7 18 | 14 33 | 18 43 | 18 22 | 18 58 | 11 52 | 0 59 |
| M29 | 21 37 | 15 27 | 4 38 | 22 29 | 0 32 | 9 18 | 1 56 | 18 0 | 1 36 | 22 39 | 0 1 | 18 18 | 2 20 | 19 21 | 0 18 | 16 19 | 0 19 | 7 18 | 14 33 | 18 46 | 18 22 | 18 59 | 11 50 | 0 59 |
| T 30 | 21 46 | 17 59 | 4 6 | 22 56 | 0 42 | 9 42 | 1 57 | 17 49 | 1 35 | 22 37 | 0 1 | 18 17 | 2 20 | 19 20 | 0 18 | 16 19 | 0 19 | 7 17 | 14 33 | 18 48 | 18 23 | 19 0 | 11 49 | 0 59 |
| W31 | 21n54 | 19n45 | 3s24 | 23n22 | 0n52 | 10n 5 | 1s58 | 17n39 | 1n34 | 22n36 | 0s 1 | 18s16 | 2n20 | 19s20 | 0n18 | 16s19 | 0n19 | 7s17 | 14n33 | 18n50 | 18n24 | 19n 1 | 11s48 | 0n59 |

Julian Day Number = 2811794.5, Delta T = 53m24s
Ecliptic obliquity = 23°18'36, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'51, Lahiri = 37°39'51


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# ASTRODIENST EPHEMERIS for the year 2986
# geocentric

## JUNE 2986 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 40 11 | 11♊27'17 | 5♋15 | 17♊27 | 2♉40 | 15♌54 | 13♋48 | 2°R30 | 28°R 0 | 13°R42 | 8°R58 | 5°R13 | 7♌ 2 | 18♊58 | 3°R47 | T 1 |
| F 2 | 16 44 7 | 12°25'11 | 17° 5 | 19°37 | 3°50 | 16°28 | 14° 1 | 2♐25 | 27♏57 | 13♒42 | 8♐57 | 5♌ 9 | 6°59 | 19° 5 | 3♏44 | F 2 |
| S 3 | 16 48 4 | 13°23'04 | 28°59 | 21°45 | 5° 0 | 17° 2 | 14°13 | 2°21 | 27°55 | 13°41 | 8°55 | 5° 7 | 6°56 | 19°12 | 3°41 | S 3 |
| S 4 | 16 52 0 | 14°20'55 | 11♌ 0 | 23°51 | 6°10 | 17°35 | 14°26 | 2°17 | 27°52 | 13°41 | 8°53 | 5°D 7 | 6°52 | 19°18 | 3°38 | S 4 |
| M 5 | 16 55 57 | 15°18'44 | 23°13 | 25°57 | 7°20 | 18° 9 | 14°39 | 2°12 | 27°50 | 13°40 | 8°52 | 5° 8 | 6°49 | 19°25 | 3°35 | M 5 |
| T 6 | 16 59 53 | 16°16'32 | 5♍42 | 28° 0 | 8°31 | 18°43 | 14°52 | 2° 8 | 27°48 | 13°39 | 8°50 | 5° 9 | 6°46 | 19°32 | 3°33 | T 6 |
| W 7 | 17 3 50 | 17°14'18 | 18°32 | 0♋ 1 | 9°41 | 19°17 | 15° 5 | 2° 4 | 27°45 | 13°39 | 8°48 | 5°R 9 | 6°43 | 19°38 | 3°30 | W 7 |
| T 8 | 17 7 47 | 18°12'03 | 1♎46 | 2° 0 | 10°51 | 19°51 | 15°18 | 1°59 | 27°43 | 13°38 | 8°47 | 5° 8 | 6°40 | 19°45 | 3°28 | T 8 |
| F 9 | 17 11 43 | 19° 9'46 | 15°28 | 3°56 | 12° 2 | 20°24 | 15°30 | 1°55 | 27°41 | 13°37 | 8°45 | 5° 6 | 6°37 | 19°52 | 3°25 | F 9 |
| S 10 | 17 15 40 | 20° 7'27 | 29°39 | 5°50 | 13°12 | 20°59 | 15°43 | 1°51 | 27°38 | 13°37 | 8°44 | 5° 1 | 6°33 | 19°58 | 3°23 | S 10 |
| S 11 | 17 19 36 | 21° 5'07 | 14♏17 | 7°41 | 14°23 | 21°33 | 15°56 | 1°47 | 27°36 | 13°36 | 8°42 | 4°55 | 6°30 | 20° 5 | 3°21 | S 11 |
| M12 | 17 23 33 | 22° 2'46 | 29°17 | 9°30 | 15°33 | 22° 7 | 16°10 | 1°43 | 27°34 | 13°35 | 8°40 | 4°49 | 6°27 | 20°12 | 3°19 | M12 |
| T 13 | 17 27 29 | 23° 0'24 | 14♐30 | 11°15 | 16°44 | 22°41 | 16°23 | 1°39 | 27°32 | 13°34 | 8°39 | 4°43 | 6°24 | 20°18 | 3°17 | T 13 |
| W14 | 17 31 26 | 23°58'00 | 29°47 | 12°58 | 17°54 | 23°15 | 16°36 | 1°35 | 27°29 | 13°33 | 8°37 | 4°38 | 6°21 | 20°25 | 3°15 | W14 |
| T 15 | 17 35 22 | 24°55'35 | 14♑56 | 14°38 | 19° 5 | 23°50 | 16°49 | 1°31 | 27°27 | 13°32 | 8°36 | 4°35 | 6°17 | 20°32 | 3°14 | T 15 |
| F 16 | 17 39 19 | 25°53'09 | 29°49 | 16°16 | 20°16 | 24°24 | 17° 2 | 1°27 | 27°25 | 13°31 | 8°34 | 4°D34 | 6°14 | 20°38 | 3°12 | F 16 |
| S 17 | 17 43 16 | 26°50'43 | 14♒19 | 17°50 | 21°26 | 24°58 | 17°15 | 1°23 | 27°23 | 13°30 | 8°32 | 4°34 | 6°11 | 20°45 | 3°11 | S 17 |
| S 18 | 17 47 12 | 27°48'15 | 28°23 | 19°21 | 22°37 | 25°33 | 17°29 | 1°19 | 27°21 | 13°29 | 8°31 | 4°35 | 6° 8 | 20°52 | 3° 9 | S 18 |
| M19 | 17 51 9 | 28°45'47 | 12♓ 0 | 20°49 | 23°48 | 26° 7 | 17°42 | 1°15 | 27°19 | 13°28 | 8°29 | 4°37 | 6° 5 | 20°59 | 3° 8 | M19 |
| T 20 | 17 55 5 | 29°43'18 | 25°11 | 22°14 | 24°59 | 26°42 | 17°55 | 1°12 | 27°17 | 13°27 | 8°28 | 4°R38 | 6° 2 | 21° 5 | 3° 7 | T 20 |
| W21 | 17 59 2 | 0♋40'48 | 8♈ 0 | 23°36 | 26°10 | 27°17 | 18° 9 | 1° 8 | 27°15 | 13°26 | 8°26 | 4°37 | 5°58 | 21°12 | 3° 6 | W21 |
| T 22 | 18 2 58 | 1°38'17 | 20°31 | 24°56 | 27°21 | 27°51 | 18°22 | 1° 4 | 27°13 | 13°25 | 8°25 | 4°36 | 5°55 | 21°19 | 3° 5 | T 22 |
| F 23 | 18 6 55 | 2°35'46 | 2♉46 | 26°11 | 28°32 | 28°26 | 18°36 | 1° 1 | 27°11 | 13°24 | 8°23 | 4°33 | 5°52 | 21°25 | 3° 4 | F 23 |
| S 24 | 18 10 51 | 3°33'15 | 14°51 | 27°24 | 29°43 | 29° 1 | 18°49 | 0°57 | 27° 9 | 13°23 | 8°22 | 4°29 | 5°49 | 21°32 | 3° 3 | S 24 |
| S 25 | 18 14 48 | 4°30'43 | 26°48 | 28°33 | 0♊54 | 29°36 | 19° 2 | 0°54 | 27° 7 | 13°22 | 8°20 | 4°24 | 5°46 | 21°39 | 3° 2 | S 25 |
| M26 | 18 18 45 | 5°28'10 | 8♊40 | 29°40 | 2° 5 | 0♍10 | 19°16 | 0°51 | 27° 5 | 13°21 | 8°19 | 4°19 | 5°43 | 21°45 | 3° 2 | M26 |
| T 27 | 18 22 41 | 6°25'36 | 20°29 | 0♌42 | 3°17 | 0°45 | 19°29 | 0°47 | 27° 4 | 13°19 | 8°17 | 4°14 | 5°39 | 21°52 | 3° 1 | T 27 |
| W28 | 18 26 38 | 7°23'02 | 2♋19 | 1°42 | 4°28 | 1°20 | 19°43 | 0°44 | 27° 2 | 13°18 | 8°16 | 4°10 | 5°36 | 21°59 | 3° 1 | W28 |
| T 29 | 18 30 34 | 8°20'27 | 14°10 | 2°37 | 5°39 | 1°55 | 19°56 | 0°41 | 27° 0 | 13°17 | 8°15 | 4° 7 | 5°33 | 22° 5 | 3° 1 | T 29 |
| F 30 | 18 34 31 | 9♋17'51 | 26♋ 5 | 3♌30 | 6♊51 | 2♍31 | 20♋10 | 0♐38 | 26♏58 | 13♒16 | 8♐13 | 4♌ 6 | 5♌30 | 22♊12 | 3°D 1 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22n 2 | 20n39 | 2s33 | 23n44 | 1n 1 | 10n28 | 1s59 | 17n28 | 1n33 | 22n35 | 0s 1 | 18s16 | 2n20 | 19s19 | 0n18 | 16s19 | 0n19 | 7s17 | 14n33 | 18n52 | 18n25 | 19n 2 | 11s46 | 1n 0 | |
| F 2 | 22 10 | 20 39 | 1 35 | 24 4 | 1 10 | 10 51 | 2 0 | 17 18 | 1 33 | 22 34 | 0 1 | 18 15 | 2 20 | 19 19 | 0 18 | 16 19 | 0 19 | 7 17 | 14 33 | 18 53 | 18 26 | 19 3 | 11 45 | 1 0 | |
| S 3 | 22 17 | 19 43 | 0 33 | 24 22 | 1 19 | 11 14 | 2 0 | 17 7 | 1 32 | 22 33 | 0 1 | 18 14 | 2 20 | 19 18 | 0 17 | 16 19 | 0 19 | 7 17 | 14 33 | 18 53 | 18 26 | 19 4 | 11 44 | 1 0 | |
| S 4 | 22 24 | 17 53 | 0n32 | 24 37 | 1 27 | 11 36 | 2 1 | 16 56 | 1 31 | 22 31 | 0 1 | 18 13 | 2 20 | 19 18 | 0 17 | 16 20 | 0 19 | 7 17 | 14 33 | 18 53 | 18 27 | 19 5 | 11 42 | 1 1 | |
| M 5 | 22 30 | 15 13 | 1 36 | 24 49 | 1 34 | 11 59 | 2 1 | 16 45 | 1 31 | 22 30 | 0 0 | 18 12 | 2 20 | 19 17 | 0 17 | 16 20 | 0 19 | 7 17 | 14 33 | 18 53 | 18 28 | 19 7 | 11 41 | 1 1 | |
| T 6 | 22 36 | 11 49 | 2 38 | 24 59 | 1 41 | 12 21 | 2 1 | 16 34 | 1 30 | 22 29 | 0 0 | 18 12 | 2 20 | 19 17 | 0 17 | 16 20 | 0 19 | 7 16 | 14 32 | 18 53 | 18 29 | 19 8 | 11 40 | 1 1 | |
| W 7 | 22 42 | 7 47 | 3 33 | 25 6 | 1 47 | 12 43 | 2 1 | 16 22 | 1 29 | 22 27 | 0 0 | 18 11 | 2 19 | 19 16 | 0 17 | 16 20 | 0 19 | 7 16 | 14 32 | 18 53 | 18 30 | 19 9 | 11 39 | 1 2 | |
| T 8 | 22 47 | 3 15 | 4 18 | 25 10 | 1 53 | 13 4 | 2 2 | 16 11 | 1 29 | 22 26 | 0 0 | 18 10 | 2 19 | 19 16 | 0 17 | 16 20 | 0 19 | 7 16 | 14 32 | 18 53 | 18 30 | 19 10 | 11 38 | 1 2 | |
| F 9 | 22 52 | 1s34 | 4 51 | 25 12 | 1 57 | 13 26 | 2 2 | 16 0 | 1 28 | 22 25 | 0 0 | 18 10 | 2 19 | 19 15 | 0 17 | 16 21 | 0 19 | 7 16 | 14 32 | 18 53 | 18 31 | 19 11 | 11 37 | 1 2 | |
| S 10 | 22 57 | 6 29 | 5 8 | 25 12 | 2 1 | 13 47 | 2 1 | 15 48 | 1 27 | 22 23 | 0 0 | 18 9 | 2 19 | 19 15 | 0 17 | 16 21 | 0 19 | 7 16 | 14 32 | 18 55 | 18 32 | 19 12 | 11 36 | 1 2 | |
| S 11 | 23 1 | 11 11 | 5 5 | 25 9 | 2 4 | 14 8 | 2 1 | 15 37 | 1 26 | 22 22 | 0n 0 | 18 8 | 2 19 | 19 14 | 0 17 | 16 21 | 0 19 | 7 16 | 14 32 | 18 56 | 18 33 | 19 13 | 11 35 | 1 3 | |
| M12 | 23 4 | 15 18 | 4 42 | 25 4 | 2 6 | 14 29 | 2 1 | 15 25 | 1 26 | 22 20 | 0 0 | 18 8 | 2 19 | 19 14 | 0 17 | 16 21 | 0 19 | 7 16 | 14 31 | 18 57 | 18 34 | 19 14 | 11 34 | 1 3 | |
| T 13 | 23 8 | 18 28 | 3 58 | 24 57 | 2 8 | 14 49 | 2 1 | 15 13 | 1 25 | 22 19 | 0 0 | 18 7 | 2 19 | 19 13 | 0 17 | 16 21 | 0 19 | 7 16 | 14 31 | 18 59 | 18 34 | 19 15 | 11 33 | 1 3 | |
| W14 | 23 10 | 20 21 | 2 58 | 24 48 | 2 8 | 15 9 | 2 0 | 15 1 | 1 24 | 22 17 | 0 0 | 18 6 | 2 19 | 19 13 | 0 17 | 16 22 | 0 19 | 7 16 | 14 31 | 19 0 | 18 35 | 19 16 | 11 32 | 1 4 | |
| T 15 | 23 13 | 20 45 | 1 45 | 24 38 | 2 8 | 15 29 | 2 0 | 14 49 | 1 24 | 22 16 | 0 0 | 18 6 | 2 18 | 19 12 | 0 17 | 16 22 | 0 19 | 7 16 | 14 31 | 19 1 | 18 36 | 19 17 | 11 31 | 1 4 | |
| F 16 | 23 15 | 19 40 | 0 26 | 24 26 | 2 7 | 15 48 | 1 59 | 14 37 | 1 23 | 22 14 | 0 1 | 18 5 | 2 18 | 19 12 | 0 17 | 16 22 | 0 19 | 7 16 | 14 31 | 19 1 | 18 37 | 19 19 | 11 31 | 1 4 | |
| S 17 | 23 16 | 17 17 | 0s53 | 24 12 | 2 5 | 16 7 | 1 58 | 14 25 | 1 22 | 22 13 | 0 1 | 18 4 | 2 18 | 19 11 | 0 17 | 16 23 | 0 19 | 7 16 | 14 30 | 19 1 | 18 38 | 19 20 | 11 30 | 1 4 | |
| S 18 | 23 17 | 13 57 | 2 6 | 23 57 | 2 3 | 16 26 | 1 58 | 14 13 | 1 22 | 22 11 | 0 1 | 18 4 | 2 18 | 19 11 | 0 17 | 16 23 | 0 19 | 7 16 | 14 30 | 19 1 | 18 38 | 19 21 | 11 29 | 1 5 | |
| M19 | 23 18 | 9 57 | 3 10 | 23 40 | 1 59 | 16 44 | 1 57 | 14 1 | 1 21 | 22 10 | 0 1 | 18 3 | 2 18 | 19 10 | 0 17 | 16 23 | 0 19 | 7 16 | 14 30 | 19 0 | 18 39 | 19 22 | 11 28 | 1 5 | |
| T 20 | 23 19 | 5 36 | 4 1 | 23 23 | 1 55 | 17 2 | 1 56 | 13 48 | 1 20 | 22 8 | 0 1 | 18 2 | 2 18 | 19 10 | 0 17 | 16 23 | 0 19 | 7 16 | 14 30 | 19 0 | 18 40 | 19 23 | 11 28 | 1 5 | |
| W21 | 23 18 | 1 7 | 4 39 | 23 4 | 1 50 | 17 20 | 1 55 | 13 36 | 1 20 | 22 6 | 0 1 | 18 2 | 2 17 | 19 10 | 0 17 | 16 24 | 0 19 | 7 16 | 14 30 | 19 0 | 18 41 | 19 24 | 11 27 | 1 5 | |
| T 22 | 23 18 | 3n17 | 5 3 | 22 44 | 1 44 | 17 37 | 1 54 | 13 23 | 1 19 | 22 5 | 0 1 | 18 1 | 2 17 | 19 9 | 0 17 | 16 24 | 0 19 | 7 16 | 14 29 | 19 1 | 18 41 | 19 25 | 11 27 | 1 6 | |
| F 23 | 23 17 | 7 28 | 5 12 | 22 24 | 1 38 | 17 54 | 1 53 | 13 11 | 1 18 | 22 3 | 0 1 | 18 1 | 2 17 | 19 9 | 0 17 | 16 24 | 0 19 | 7 16 | 14 29 | 19 1 | 18 42 | 19 26 | 11 26 | 1 6 | |
| S 24 | 23 16 | 11 18 | 5 7 | 22 3 | 1 31 | 18 10 | 1 51 | 12 58 | 1 18 | 22 1 | 0 1 | 18 0 | 2 17 | 19 8 | 0 17 | 16 25 | 0 19 | 7 16 | 14 29 | 19 2 | 18 43 | 19 27 | 11 26 | 1 6 | |
| S 25 | 23 14 | 14 39 | 4 49 | 21 41 | 1 23 | 18 26 | 1 50 | 12 45 | 1 17 | 21 59 | 0 1 | 18 0 | 2 17 | 19 8 | 0 17 | 16 25 | 0 19 | 7 16 | 14 28 | 19 3 | 18 44 | 19 28 | 11 25 | 1 6 | |
| M26 | 23 12 | 17 22 | 4 18 | 21 19 | 1 14 | 18 41 | 1 49 | 12 32 | 1 16 | 21 58 | 0 1 | 17 59 | 2 17 | 19 7 | 0 17 | 16 25 | 0 19 | 7 16 | 14 28 | 19 5 | 18 45 | 19 29 | 11 25 | 1 7 | |
| T 27 | 23 9 | 19 22 | 3 37 | 20 56 | 1 5 | 18 57 | 1 47 | 12 20 | 1 16 | 21 56 | 0 2 | 17 59 | 2 16 | 19 7 | 0 17 | 16 26 | 0 19 | 7 16 | 14 28 | 19 6 | 18 45 | 19 30 | 11 24 | 1 7 | |
| W28 | 23 6 | 20 32 | 2 46 | 20 34 | 0 55 | 19 11 | 1 46 | 12 7 | 1 15 | 21 54 | 0 2 | 17 58 | 2 16 | 19 7 | 0 17 | 16 26 | 0 19 | 7 16 | 14 28 | 19 7 | 18 46 | 19 31 | 11 24 | 1 7 | |
| T 29 | 23 3 | 20 47 | 1 47 | 20 11 | 0 44 | 19 25 | 1 44 | 11 53 | 1 14 | 21 52 | 0 2 | 17 58 | 2 16 | 19 6 | 0 17 | 16 26 | 0 19 | 7 17 | 14 27 | 19 7 | 18 47 | 19 32 | 11 24 | 1 7 | |
| F 30 | 22n59 | 20n 6 | 0s44 | 19n48 | 0n32 | 19n39 | 1s43 | 11n40 | 1n14 | 21n50 | 0n 2 | 17s57 | 2n16 | 19s 6 | 0n17 | 16s27 | 0n19 | 7s17 | 14n27 | 19n 8 | 18n48 | 19n33 | 11s23 | 1n 8 | |

Julian Day Number = 2811825.5, Delta T = 53m24s
Ecliptic obliquity = 23°18'35, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'55, Lahiri = 37°39'56


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# ASTRODIENST EPHEMERIS for the year 2986
# geocentric

## JULY 2986 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 38 27 | 10♋15'15 | 8♌ 7 | 4♌18 | 8♊ 2 | 3♍ 6 | 20♋24 | 0°R35 | 26°R57 | 13°R14 | 8°R12 | 4°D 6 | 5♌27 | 22♊19 | 3♏ 1 | S 1 |
| S 2 | 18 42 24 | 11°12'38 | 20°17 | 5° 3 | 9°13 | 3°41 | 20°37 | 0♐32 | 26♏55 | 13♒13 | 8♐11 | 4♌ 6 | 5°23 | 22°25 | 3° 1 | S 2 |
| M 3 | 18 46 20 | 12°10'00 | 2♍38 | 5°43 | 10°25 | 4°16 | 20°51 | 0°29 | 26°54 | 13°12 | 8° 9 | 4° 8 | 5°20 | 22°32 | 3° 1 | M 3 |
| T 4 | 18 50 17 | 13° 7'21 | 15°14 | 6°20 | 11°36 | 4°52 | 21° 4 | 0°26 | 26°52 | 13°10 | 8° 8 | 4° 9 | 5°17 | 22°39 | 3° 1 | T 4 |
| W 5 | 18 54 14 | 14° 4'41 | 28° 7 | 6°52 | 12°48 | 5°27 | 21°18 | 0°24 | 26°51 | 13° 9 | 8° 7 | 4°10 | 5°14 | 22°45 | 3° 2 | W 5 |
| T 6 | 18 58 10 | 15° 2'01 | 11♎20 | 7°21 | 13°59 | 6° 2 | 21°32 | 0°21 | 26°49 | 13° 8 | 8° 5 | 4°R11 | 5°11 | 22°52 | 3° 3 | T 6 |
| F 7 | 19 2 7 | 15°59'19 | 24°57 | 7°45 | 15°11 | 6°38 | 21°45 | 0°19 | 26°48 | 13° 6 | 8° 4 | 4°11 | 5° 8 | 22°59 | 3° 3 | F 7 |
| S 8 | 19 6 3 | 16°56'37 | 8♏58 | 8° 4 | 16°22 | 7°13 | 21°59 | 0°16 | 26°47 | 13° 5 | 8° 3 | 4°10 | 5° 4 | 23° 6 | 3° 4 | S 8 |
| S 9 | 19 10 0 | 17°53'55 | 23°21 | 8°19 | 17°34 | 7°49 | 22°12 | 0°14 | 26°45 | 13° 4 | 8° 2 | 4° 8 | 5° 1 | 23°12 | 3° 5 | S 9 |
| M10 | 19 13 56 | 18°51'11 | 8♐ 5 | 8°30 | 18°46 | 8°24 | 22°26 | 0°12 | 26°44 | 13° 2 | 8° 1 | 4° 7 | 4°58 | 23°19 | 3° 6 | M10 |
| T 11 | 19 17 53 | 19°48'28 | 23° 4 | 8°36 | 19°57 | 9° 0 | 22°40 | 0°10 | 26°43 | 13° 1 | 8° 0 | 4° 5 | 4°55 | 23°26 | 3° 7 | T 11 |
| W12 | 19 21 50 | 20°45'43 | 8♑ 9 | 8°R37 | 21° 9 | 9°36 | 22°53 | 0° 8 | 26°42 | 12°59 | 7°58 | 4° 3 | 4°52 | 23°32 | 3° 8 | W12 |
| T 13 | 19 25 46 | 21°42'59 | 23°12 | 8°34 | 22°21 | 10°11 | 23° 7 | 0° 6 | 26°41 | 12°58 | 7°57 | 4° 3 | 4°49 | 23°39 | 3°10 | T 13 |
| F 14 | 19 29 43 | 22°40'14 | 8♒ 4 | 8°26 | 23°33 | 10°47 | 23°21 | 0° 4 | 26°39 | 12°56 | 7°56 | 4°D 3 | 4°45 | 23°46 | 3°11 | F 14 |
| S 15 | 19 33 39 | 23°37'29 | 22°38 | 8°13 | 24°45 | 11°23 | 23°34 | 0° 2 | 26°38 | 12°55 | 7°55 | 4° 3 | 4°42 | 23°52 | 3°13 | S 15 |
| S 16 | 19 37 36 | 24°34'43 | 6♓48 | 7°57 | 25°56 | 11°59 | 23°48 | 0° 0 | 26°37 | 12°53 | 7°54 | 4° 4 | 4°39 | 23°59 | 3°14 | S 16 |
| M17 | 19 41 32 | 25°31'58 | 20°32 | 7°36 | 27° 8 | 12°34 | 24° 2 | 29♏59 | 26°37 | 12°52 | 7°53 | 4° 4 | 4°36 | 24° 6 | 3°16 | M17 |
| T 18 | 19 45 29 | 26°29'13 | 3♈51 | 7°12 | 28°20 | 13°10 | 24°15 | 29°57 | 26°36 | 12°50 | 7°52 | 4° 5 | 4°33 | 24°12 | 3°18 | T 18 |
| W19 | 19 49 25 | 27°26'28 | 16°45 | 6°44 | 29°32 | 13°46 | 24°29 | 29°56 | 26°35 | 12°49 | 7°51 | 4° 6 | 4°29 | 24°19 | 3°20 | W19 |
| T 20 | 19 53 22 | 28°23'43 | 29°18 | 6°14 | 0♋44 | 14°22 | 24°43 | 29°54 | 26°34 | 12°47 | 7°50 | 4°R 6 | 4°26 | 24°26 | 3°22 | T 20 |
| F 21 | 19 57 19 | 29°20'58 | 11♉33 | 5°40 | 1°56 | 14°58 | 24°56 | 29°53 | 26°33 | 12°45 | 7°50 | 4° 6 | 4°23 | 24°32 | 3°24 | F 21 |
| S 22 | 20 1 15 | 0♌18'14 | 23°36 | 5° 5 | 3° 9 | 15°34 | 25°10 | 29°52 | 26°33 | 12°44 | 7°49 | 4° 5 | 4°20 | 24°39 | 3°27 | S 22 |
| S 23 | 20 5 12 | 1°15'30 | 5♊31 | 4°28 | 4°21 | 16°11 | 25°24 | 29°51 | 26°32 | 12°42 | 7°48 | 4° 5 | 4°17 | 24°46 | 3°29 | S 23 |
| M24 | 20 9 8 | 2°12'46 | 17°21 | 3°50 | 5°33 | 16°47 | 25°37 | 29°50 | 26°31 | 12°41 | 7°47 | 4° 5 | 4°14 | 24°52 | 3°32 | M24 |
| T 25 | 20 13 5 | 3°10'02 | 29°10 | 3°12 | 6°45 | 17°23 | 25°51 | 29°49 | 26°31 | 12°39 | 7°46 | 4° 4 | 4°10 | 24°59 | 3°34 | T 25 |
| W26 | 20 17 1 | 4° 7'19 | 11♋ 1 | 2°34 | 7°58 | 17°59 | 26° 4 | 29°48 | 26°30 | 12°38 | 7°46 | 4°D 4 | 4° 7 | 25° 6 | 3°37 | W26 |
| T 27 | 20 20 58 | 5° 4'36 | 22°58 | 1°58 | 9°10 | 18°36 | 26°18 | 29°48 | 26°30 | 12°36 | 7°45 | 4° 4 | 4° 4 | 25°12 | 3°40 | T 27 |
| F 28 | 20 24 54 | 6° 1'53 | 5♌ 3 | 1°23 | 10°22 | 19°12 | 26°31 | 29°47 | 26°30 | 12°34 | 7°44 | 4°R 5 | 4° 1 | 25°19 | 3°43 | F 28 |
| S 29 | 20 28 51 | 6°59'11 | 17°16 | 0°50 | 11°35 | 19°48 | 26°45 | 29°47 | 26°29 | 12°33 | 7°44 | 4° 4 | 3°58 | 25°26 | 3°46 | S 29 |
| S 30 | 20 32 48 | 7°56'28 | 29°41 | 0°21 | 12°47 | 20°25 | 26°58 | 29°46 | 26°29 | 12°31 | 7°43 | 4° 4 | 3°55 | 25°32 | 3°49 | S 30 |
| M31 | 20 36 44 | 8♌53'46 | 12♍18 | 29♋54 | 13♋59 | 21♍ 1 | 27♋12 | 29♏46 | 26♏29 | 12♒29 | 7♐42 | 4♌ 4 | 3♌51 | 25♊39 | 3♏52 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22n55 | 18n30 | 0n22 | 19n25 | 0n21 | 19n52 | 1s41 | 11n27 | 1n13 | 21n48 | 0n 2 | 17s57 | 2n16 | 19s 6 | 0n17 | 16s27 | 0n19 | 7s17 | 14n27 | 19n 8 | 18n48 | 19n34 | 11s23 | 1n 8 | S 1 |
| S 2 | 22 50 | 16 2 | 1 28 | 19 2 | 0 8 | 20 5 | 1 39 | 11 14 | 1 12 | 21 46 | 0 2 | 17 57 | 2 15 | 19 5 | 0 17 | 16 27 | 0 19 | 7 17 | 14 26 | 19 8 | 18 49 | 19 35 | 11 23 | 1 8 | S 2 |
| M 3 | 22 45 | 12 50 | 2 31 | 18 39 | 0s 5 | 20 17 | 1 37 | 11 0 | 1 12 | 21 44 | 0 2 | 17 56 | 2 15 | 19 5 | 0 17 | 16 28 | 0 19 | 7 17 | 14 26 | 19 7 | 18 50 | 19 36 | 11 23 | 1 8 | M 3 |
| T 4 | 22 40 | 8 59 | 3 28 | 18 17 | 0 19 | 20 29 | 1 35 | 10 47 | 1 11 | 21 42 | 0 2 | 17 56 | 2 15 | 19 5 | 0 17 | 16 28 | 0 19 | 7 17 | 14 26 | 19 7 | 18 51 | 19 37 | 11 23 | 1 9 | T 4 |
| W 5 | 22 34 | 4 40 | 4 16 | 17 55 | 0 33 | 20 40 | 1 34 | 10 33 | 1 10 | 21 40 | 0 2 | 17 56 | 2 15 | 19 4 | 0 17 | 16 29 | 0 19 | 7 17 | 14 25 | 19 7 | 18 51 | 19 38 | 11 23 | 1 9 | W 5 |
| T 6 | 22 28 | 0 1 | 4 51 | 17 34 | 0 48 | 20 50 | 1 32 | 10 20 | 1 10 | 21 38 | 0 2 | 17 55 | 2 15 | 19 4 | 0 17 | 16 29 | 0 19 | 7 18 | 14 25 | 19 6 | 18 52 | 19 39 | 11 23 | 1 9 | T 6 |
| F 7 | 22 22 | 4s46 | 5 12 | 17 13 | 1 3 | 21 0 | 1 30 | 10 6 | 1 9 | 21 36 | 0 2 | 17 55 | 2 14 | 19 4 | 0 17 | 16 29 | 0 19 | 7 18 | 14 24 | 19 6 | 18 53 | 19 40 | 11 23 | 1 9 | F 7 |
| S 8 | 22 15 | 9 26 | 5 15 | 16 54 | 1 18 | 21 10 | 1 27 | 9 52 | 1 8 | 21 34 | 0 3 | 17 55 | 2 14 | 19 3 | 0 17 | 16 30 | 0 19 | 7 18 | 14 24 | 19 7 | 18 54 | 19 41 | 11 23 | 1 9 | S 8 |
| S 9 | 22 7 | 13 41 | 4 59 | 16 35 | 1 34 | 21 19 | 1 25 | 9 39 | 1 8 | 21 32 | 0 3 | 17 54 | 2 14 | 19 3 | 0 17 | 16 30 | 0 19 | 7 18 | 14 24 | 19 7 | 18 55 | 19 42 | 11 23 | 1 10 | S 9 |
| M10 | 22 0 | 17 13 | 4 22 | 16 17 | 1 50 | 21 27 | 1 23 | 9 25 | 1 7 | 21 30 | 0 3 | 17 54 | 2 14 | 19 3 | 0 17 | 16 31 | 0 19 | 7 18 | 14 23 | 19 7 | 18 55 | 19 43 | 11 23 | 1 10 | M10 |
| T 11 | 21 51 | 19 40 | 3 28 | 16 0 | 2 6 | 21 35 | 1 21 | 9 11 | 1 7 | 21 28 | 0 3 | 17 54 | 2 13 | 19 3 | 0 17 | 16 31 | 0 19 | 7 19 | 14 23 | 19 8 | 18 56 | 19 44 | 11 23 | 1 10 | T 11 |
| W12 | 21 43 | 20 45 | 2 19 | 15 44 | 2 22 | 21 42 | 1 19 | 8 57 | 1 6 | 21 26 | 0 3 | 17 54 | 2 13 | 19 2 | 0 17 | 16 31 | 0 19 | 7 19 | 14 22 | 19 8 | 18 57 | 19 45 | 11 23 | 1 10 | W12 |
| T 13 | 21 34 | 20 21 | 1 0 | 15 29 | 2 38 | 21 49 | 1 16 | 8 43 | 1 5 | 21 23 | 0 3 | 17 54 | 2 13 | 19 2 | 0 17 | 16 32 | 0 19 | 7 19 | 14 22 | 19 8 | 18 58 | 19 46 | 11 24 | 1 11 | T 13 |
| F 14 | 21 25 | 18 31 | 0s22 | 15 16 | 2 54 | 21 55 | 1 14 | 8 29 | 1 5 | 21 21 | 0 3 | 17 53 | 2 13 | 19 2 | 0 17 | 16 32 | 0 19 | 7 19 | 14 22 | 19 8 | 18 58 | 19 47 | 11 24 | 1 11 | F 14 |
| S 15 | 21 15 | 15 30 | 1 41 | 15 4 | 3 9 | 22 1 | 1 12 | 8 15 | 1 4 | 21 19 | 0 3 | 17 53 | 2 12 | 19 2 | 0 17 | 16 33 | 0 19 | 7 20 | 14 21 | 19 8 | 18 59 | 19 48 | 11 24 | 1 11 | S 15 |
| S 16 | 21 5 | 11 38 | 2 52 | 14 54 | 3 24 | 22 6 | 1 9 | 8 1 | 1 3 | 21 17 | 0 3 | 17 53 | 2 12 | 19 2 | 0 17 | 16 33 | 0 19 | 7 20 | 14 21 | 19 8 | 19 0 | 19 49 | 11 25 | 1 11 | S 16 |
| M17 | 20 55 | 7 16 | 3 50 | 14 45 | 3 39 | 22 10 | 1 7 | 7 46 | 1 3 | 21 15 | 0 3 | 17 53 | 2 12 | 19 1 | 0 17 | 16 34 | 0 19 | 7 20 | 14 20 | 19 8 | 19 1 | 19 50 | 11 25 | 1 11 | M17 |
| T 18 | 20 45 | 2 41 | 4 34 | 14 37 | 3 52 | 22 14 | 1 4 | 7 32 | 1 2 | 21 12 | 0 4 | 17 53 | 2 12 | 19 1 | 0 17 | 16 34 | 0 19 | 7 21 | 14 20 | 19 8 | 19 1 | 19 51 | 11 25 | 1 12 | T 18 |
| W19 | 20 34 | 1n53 | 5 3 | 14 32 | 4 5 | 22 17 | 1 2 | 7 18 | 1 1 | 21 10 | 0 4 | 17 53 | 2 12 | 19 1 | 0 17 | 16 34 | 0 19 | 7 21 | 14 20 | 19 8 | 19 2 | 19 52 | 11 26 | 1 12 | W19 |
| T 20 | 20 22 | 6 13 | 5 16 | 14 28 | 4 17 | 22 19 | 0 59 | 7 3 | 1 1 | 21 8 | 0 4 | 17 53 | 2 11 | 19 1 | 0 17 | 16 35 | 0 19 | 7 21 | 14 19 | 19 8 | 19 3 | 19 53 | 11 26 | 1 12 | T 20 |
| F 21 | 20 11 | 10 13 | 5 15 | 14 25 | 4 28 | 22 21 | 0 57 | 6 49 | 1 0 | 21 5 | 0 4 | 17 53 | 2 11 | 19 1 | 0 17 | 16 35 | 0 19 | 7 21 | 14 19 | 19 8 | 19 4 | 19 54 | 11 27 | 1 12 | F 21 |
| S 22 | 19 59 | 13 44 | 4 59 | 14 24 | 4 37 | 22 22 | 0 54 | 6 34 | 1 0 | 21 3 | 0 4 | 17 53 | 2 11 | 19 1 | 0 17 | 16 36 | 0 19 | 7 22 | 14 18 | 19 8 | 19 4 | 19 55 | 11 28 | 1 13 | S 22 |
| S 23 | 19 46 | 16 40 | 4 31 | 14 25 | 4 45 | 22 23 | 0 52 | 6 20 | 0 59 | 21 1 | 0 4 | 17 53 | 2 11 | 19 0 | 0 16 | 16 36 | 0 19 | 7 22 | 14 18 | 19 8 | 19 5 | 19 56 | 11 28 | 1 13 | S 23 |
| M24 | 19 34 | 18 52 | 3 51 | 14 27 | 4 52 | 22 23 | 0 49 | 6 5 | 0 58 | 20 58 | 0 4 | 17 53 | 2 10 | 19 0 | 0 16 | 16 37 | 0 19 | 7 23 | 14 17 | 19 8 | 19 6 | 19 57 | 11 29 | 1 13 | M24 |
| T 25 | 19 21 | 20 16 | 3 2 | 14 31 | 4 57 | 22 22 | 0 46 | 5 51 | 0 58 | 20 56 | 0 4 | 17 53 | 2 10 | 19 0 | 0 16 | 16 37 | 0 19 | 7 23 | 14 17 | 19 8 | 19 7 | 19 58 | 11 30 | 1 13 | T 25 |
| W26 | 19 7 | 20 47 | 2 5 | 14 36 | 5 0 | 22 21 | 0 44 | 5 36 | 0 57 | 20 53 | 0 4 | 17 53 | 2 10 | 19 0 | 0 16 | 16 38 | 0 19 | 7 23 | 14 16 | 19 8 | 19 7 | 19 59 | 11 30 | 1 13 | W26 |
| T 27 | 18 54 | 20 22 | 1 1 | 14 42 | 5 2 | 22 19 | 0 41 | 5 21 | 0 57 | 20 51 | 0 4 | 17 53 | 2 10 | 19 0 | 0 16 | 16 38 | 0 19 | 7 24 | 14 16 | 19 8 | 19 8 | 20 0 | 11 31 | 1 14 | T 27 |
| F 28 | 18 40 | 18 59 | 0n 5 | 14 50 | 5 2 | 22 16 | 0 38 | 5 7 | 0 56 | 20 49 | 0 4 | 17 53 | 2 9 | 19 0 | 0 16 | 16 39 | 0 19 | 7 24 | 14 15 | 19 8 | 19 9 | 20 0 | 11 32 | 1 14 | F 28 |
| S 29 | 18 26 | 16 44 | 1 13 | 14 58 | 5 0 | 22 13 | 0 36 | 4 52 | 0 55 | 20 46 | 0 5 | 17 53 | 2 9 | 19 0 | 0 16 | 16 39 | 0 19 | 7 24 | 14 15 | 19 8 | 19 10 | 20 1 | 11 33 | 1 14 | S 29 |
| S 30 | 18 11 | 13 40 | 2 17 | 15 8 | 4 57 | 22 9 | 0 33 | 4 37 | 0 55 | 20 44 | 0 5 | 17 54 | 2 9 | 19 0 | 0 16 | 16 39 | 0 19 | 7 25 | 14 14 | 19 8 | 19 10 | 20 2 | 11 34 | 1 14 | S 30 |
| M31 | 17n56 | 9n56 | 3n17 | 15n18 | 4s52 | 22n 5 | 0s30 | 4n22 | 0n54 | 20n41 | 0n 5 | 17s54 | 2n 9 | 19s 0 | 0n16 | 16s40 | 0n19 | 7s25 | 14n14 | 19n 8 | 19n11 | 20n 3 | 11s34 | 1n14 | M31 |

Julian Day Number = 2811855.5, Delta T = 53m25s
Ecliptic obliquity = 23°18'35, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°32'59, Lahiri = 37°40'00


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# ASTRODIENST EPHEMERIS for the year 2986
# geocentric

## AUGUST 2986 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 40 41 | 9♌51'04 | 25♍ 8 | 29°R32 | 15♋12 | 21♍38 | 27♋25 | 29°R46 | 26°R29 | 12°R28 | 7°R42 | 4°R 3 | 3♌48 | 25♊46 | 3♏56 | T 1 |
| W 2 | 20 44 37 | 10°48'21 | 8♎14 | 29♋14 | 16°24 | 22°14 | 27°39 | 29°D46 | 26♏29 | 12♒26 | 7♐41 | 4♌ 2 | 3°45 | 25°52 | 3°59 | W 2 |
| T 3 | 20 48 34 | 11°45'39 | 21°35 | 29° 1 | 17°37 | 22°51 | 27°52 | 29♏46 | 26°28 | 12°25 | 7°41 | 4° 2 | 3°42 | 25°59 | 4° 3 | T 3 |
| F 4 | 20 52 30 | 12°42'57 | 5♏14 | 28°53 | 18°50 | 23°28 | 28° 6 | 29°46 | 26°D28 | 12°23 | 7°40 | 4° 1 | 3°39 | 26° 6 | 4° 6 | F 4 |
| S 5 | 20 56 27 | 13°40'16 | 19° 9 | 28°D50 | 20° 2 | 24° 4 | 28°19 | 29°46 | 26°29 | 12°21 | 7°40 | 4°D 1 | 3°35 | 26°12 | 4°10 | S 5 |
| S 6 | 21 0 23 | 14°37'34 | 3♐20 | 28°53 | 21°15 | 24°41 | 28°32 | 29°46 | 26°29 | 12°20 | 7°40 | 4° 2 | 3°32 | 26°19 | 4°14 | S 6 |
| M 7 | 21 4 20 | 15°34'53 | 17°45 | 29° 2 | 22°28 | 25°18 | 28°46 | 29°47 | 26°29 | 12°18 | 7°39 | 4° 2 | 3°29 | 26°26 | 4°18 | M 7 |
| T 8 | 21 8 17 | 16°32'12 | 2♑22 | 29°16 | 23°40 | 25°55 | 28°59 | 29°47 | 26°29 | 12°16 | 7°39 | 4° 3 | 3°26 | 26°32 | 4°22 | T 8 |
| W 9 | 21 12 13 | 17°29'31 | 17° 4 | 29°36 | 24°53 | 26°32 | 29°12 | 29°48 | 26°29 | 12°15 | 7°39 | 4° 4 | 3°23 | 26°39 | 4°26 | W 9 |
| T 10 | 21 16 10 | 18°26'50 | 1♒47 | 0♌ 2 | 26° 6 | 27° 8 | 29°26 | 29°49 | 26°30 | 12°13 | 7°38 | 4°R 5 | 3°20 | 26°46 | 4°30 | T 10 |
| F 11 | 21 20 6 | 19°24'11 | 16°24 | 0°35 | 27°19 | 27°45 | 29°39 | 29°49 | 26°30 | 12°12 | 7°38 | 4° 4 | 3°16 | 26°53 | 4°35 | F 11 |
| S 12 | 21 24 3 | 20°21'31 | 0♓48 | 1°13 | 28°31 | 28°22 | 29°52 | 29°50 | 26°30 | 12°10 | 7°38 | 4° 3 | 3°13 | 26°59 | 4°39 | S 12 |
| S 13 | 21 27 59 | 21°18'52 | 14°55 | 1°57 | 29°44 | 28°59 | 0♌ 5 | 29°51 | 26°31 | 12° 8 | 7°38 | 4° 1 | 3°10 | 27° 6 | 4°44 | S 13 |
| M14 | 21 31 56 | 22°16'14 | 28°39 | 2°46 | 0♌57 | 29°37 | 0°18 | 29°52 | 26°31 | 12° 7 | 7°38 | 3°59 | 3° 7 | 27°13 | 4°48 | M14 |
| T 15 | 21 35 52 | 23°13'37 | 11♈59 | 3°42 | 2°10 | 0♎14 | 0°31 | 29°54 | 26°32 | 12° 5 | 7°38 | 3°57 | 3° 4 | 27°19 | 4°53 | T 15 |
| W16 | 21 39 49 | 24°11'01 | 24°57 | 4°43 | 3°23 | 0°51 | 0°44 | 29°55 | 26°32 | 12° 4 | 7°37 | 3°54 | 3° 1 | 27°26 | 4°58 | W16 |
| T 17 | 21 43 45 | 25° 8'26 | 7♉32 | 5°50 | 4°36 | 1°28 | 0°57 | 29°56 | 26°33 | 12° 2 | 7°D37 | 3°52 | 2°57 | 27°33 | 5° 3 | T 17 |
| F 18 | 21 47 42 | 26° 5'52 | 19°50 | 7° 2 | 5°49 | 2° 5 | 1°10 | 29°58 | 26°34 | 12° 0 | 7°37 | 3°51 | 2°54 | 27°39 | 5° 8 | F 18 |
| S 19 | 21 51 39 | 27° 3'20 | 1♊54 | 8°19 | 7° 3 | 2°42 | 1°23 | 29°59 | 26°35 | 11°59 | 7°37 | 3°D51 | 2°51 | 27°46 | 5°13 | S 19 |
| S 20 | 21 55 35 | 28° 0'48 | 13°48 | 9°42 | 8°16 | 3°20 | 1°36 | 0♐ 1 | 26°35 | 11°57 | 7°38 | 3°52 | 2°48 | 27°53 | 5°18 | S 20 |
| M21 | 21 59 32 | 28°58'17 | 25°38 | 11° 9 | 9°29 | 3°57 | 1°49 | 0° 3 | 26°36 | 11°56 | 7°38 | 3°53 | 2°45 | 27°59 | 5°23 | M21 |
| T 22 | 22 3 28 | 29°55'48 | 7♋28 | 12°41 | 10°42 | 4°35 | 2° 2 | 0° 5 | 26°37 | 11°54 | 7°38 | 3°55 | 2°41 | 28° 6 | 5°28 | T 22 |
| W23 | 22 7 25 | 0♍53'20 | 19°23 | 14°18 | 11°56 | 5°12 | 2°14 | 0° 7 | 26°38 | 11°53 | 7°38 | 3°57 | 2°38 | 28°13 | 5°34 | W23 |
| T 24 | 22 11 21 | 1°50'53 | 1♌26 | 15°58 | 13° 9 | 5°50 | 2°27 | 0° 9 | 26°39 | 11°51 | 7°38 | 3°R57 | 2°35 | 28°19 | 5°39 | T 24 |
| F 25 | 22 15 18 | 2°48'27 | 13°41 | 17°42 | 14°22 | 6°27 | 2°40 | 0°11 | 26°40 | 11°50 | 7°38 | 3°57 | 2°32 | 28°26 | 5°45 | F 25 |
| S 26 | 22 19 14 | 3°46'02 | 26° 9 | 19°30 | 15°36 | 7° 5 | 2°52 | 0°13 | 26°41 | 11°48 | 7°39 | 3°55 | 2°29 | 28°33 | 5°50 | S 26 |
| S 27 | 22 23 11 | 4°43'38 | 8♍51 | 21°21 | 16°49 | 7°42 | 3° 5 | 0°15 | 26°43 | 11°47 | 7°39 | 3°52 | 2°26 | 28°39 | 5°56 | S 27 |
| M28 | 22 27 8 | 5°41'15 | 21°50 | 23°14 | 18° 3 | 8°20 | 3°17 | 0°18 | 26°44 | 11°45 | 7°39 | 3°48 | 2°22 | 28°46 | 6° 2 | M28 |
| T 29 | 22 31 4 | 6°38'54 | 5♎ 3 | 25°10 | 19°16 | 8°58 | 3°30 | 0°20 | 26°45 | 11°44 | 7°40 | 3°43 | 2°19 | 28°53 | 6° 8 | T 29 |
| W30 | 22 35 1 | 7°36'33 | 18°29 | 27° 7 | 20°30 | 9°36 | 3°42 | 0°23 | 26°46 | 11°42 | 7°40 | 3°37 | 2°16 | 28°59 | 6°13 | W30 |
| T 31 | 22 38 57 | 8♍34'13 | 2♏ 8 | 29♌ 6 | 21♌43 | 10♎13 | 3♌54 | 0♐26 | 26♏48 | 11♒41 | 7♐41 | 3♌33 | 2♌13 | 29♊ 6 | 6♏19 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat |
| T 1 | 17n41 | 5n42 | 4n 7 | 15n29 | 4s46 | 22n 0 | 0s28 | 4n 7 | 0n53 | 20n39 | 0n 5 | 17s54 | 2n 8 | 19s 0 | 0n16 | 16s40 | 0n19 | 7s26 | 14n13 | 19n 8 | 19n12 | 20n 4 | 11s35 | 1n15 |
| W 2 | 17 26 | 1 8 | 4 46 | 15 40 | 4 38 | 21 54 | 0 25 | 3 52 | 0 53 | 20 36 | 0 5 | 17 54 | 2 8 | 19 0 | 0 16 | 16 41 | 0 19 | 7 26 | 14 13 | 19 9 | 19 13 | 20 5 | 11 36 | 1 15 |
| T 3 | 17 10 | 3s35 | 5 10 | 15 51 | 4 29 | 21 48 | 0 22 | 3 37 | 0 52 | 20 33 | 0 5 | 17 55 | 2 8 | 19 0 | 0 16 | 16 41 | 0 19 | 7 26 | 14 12 | 19 9 | 19 13 | 20 6 | 11 37 | 1 15 |
| F 4 | 16 54 | 8 12 | 5 17 | 16 3 | 4 19 | 21 41 | 0 19 | 3 22 | 0 52 | 20 31 | 0 5 | 17 55 | 2 8 | 19 0 | 0 16 | 16 42 | 0 19 | 7 27 | 14 12 | 19 9 | 19 14 | 20 7 | 11 38 | 1 15 |
| S 5 | 16 38 | 12 30 | 5 6 | 16 15 | 4 7 | 21 33 | 0 17 | 3 7 | 0 51 | 20 28 | 0 5 | 17 55 | 2 7 | 19 0 | 0 16 | 16 42 | 0 19 | 7 27 | 14 11 | 19 9 | 19 15 | 20 8 | 11 39 | 1 15 |
| S 6 | 16 21 | 16 11 | 4 37 | 16 26 | 3 55 | 21 25 | 0 14 | 2 52 | 0 50 | 20 26 | 0 5 | 17 55 | 2 7 | 19 0 | 0 16 | 16 43 | 0 19 | 7 28 | 14 11 | 19 9 | 19 16 | 20 9 | 11 41 | 1 16 |
| M 7 | 16 5 | 18 56 | 3 49 | 16 37 | 3 42 | 21 16 | 0 11 | 2 37 | 0 50 | 20 23 | 0 5 | 17 56 | 2 7 | 19 0 | 0 16 | 16 43 | 0 19 | 7 28 | 14 10 | 19 8 | 19 16 | 20 9 | 11 42 | 1 16 |
| T 8 | 15 48 | 20 31 | 2 47 | 16 48 | 3 28 | 21 7 | 0 9 | 2 22 | 0 49 | 20 20 | 0 5 | 17 56 | 2 7 | 19 0 | 0 16 | 16 44 | 0 19 | 7 29 | 14 10 | 19 8 | 19 17 | 20 10 | 11 43 | 1 16 |
| W 9 | 15 30 | 20 42 | 1 33 | 16 58 | 3 14 | 20 57 | 0 6 | 2 7 | 0 49 | 20 18 | 0 6 | 17 56 | 2 6 | 19 0 | 0 16 | 16 44 | 0 19 | 7 29 | 14 9 | 19 8 | 19 18 | 20 11 | 11 44 | 1 16 |
| T 10 | 15 13 | 19 27 | 0 13 | 17 7 | 2 59 | 20 46 | 0 3 | 1 52 | 0 48 | 20 15 | 0 6 | 17 57 | 2 6 | 19 0 | 0 16 | 16 45 | 0 19 | 7 30 | 14 9 | 19 8 | 19 18 | 20 12 | 11 45 | 1 16 |
| F 11 | 14 55 | 16 55 | 1s 8 | 17 15 | 2 44 | 20 35 | 0 0 | 1 37 | 0 47 | 20 13 | 0 6 | 17 57 | 2 6 | 19 0 | 0 16 | 16 45 | 0 19 | 7 30 | 14 8 | 19 8 | 19 19 | 20 13 | 11 47 | 1 17 |
| S 12 | 14 37 | 13 21 | 2 23 | 17 22 | 2 29 | 20 23 | 0n 2 | 1 22 | 0 47 | 20 10 | 0 6 | 17 58 | 2 5 | 19 1 | 0 16 | 16 45 | 0 19 | 7 31 | 14 8 | 19 8 | 19 20 | 20 14 | 11 48 | 1 17 |
| S 13 | 14 19 | 9 6 | 3 27 | 17 28 | 2 13 | 20 10 | 0 5 | 1 6 | 0 46 | 20 7 | 0 6 | 17 58 | 2 5 | 19 1 | 0 16 | 16 46 | 0 19 | 7 31 | 14 7 | 19 9 | 19 21 | 20 15 | 11 49 | 1 17 |
| M14 | 14 1 | 4 29 | 4 18 | 17 32 | 1 57 | 19 58 | 0 7 | 0 51 | 0 46 | 20 5 | 0 6 | 17 59 | 2 5 | 19 1 | 0 16 | 16 46 | 0 19 | 7 32 | 14 7 | 19 9 | 19 21 | 20 16 | 11 51 | 1 17 |
| T 15 | 13 42 | 0n13 | 4 53 | 17 34 | 1 42 | 19 44 | 0 10 | 0 36 | 0 45 | 20 2 | 0 6 | 17 59 | 2 5 | 19 1 | 0 16 | 16 47 | 0 19 | 7 32 | 14 6 | 19 10 | 19 22 | 20 16 | 11 52 | 1 17 |
| W16 | 13 23 | 4 46 | 5 11 | 17 35 | 1 26 | 19 30 | 0 13 | 0 21 | 0 44 | 19 59 | 0 6 | 18 0 | 2 4 | 19 1 | 0 16 | 16 47 | 0 19 | 7 33 | 14 6 | 19 10 | 19 23 | 20 17 | 11 53 | 1 17 |
| T 17 | 13 4 | 8 59 | 5 15 | 17 34 | 1 11 | 19 15 | 0 15 | 0 5 | 0 44 | 19 56 | 0 6 | 18 0 | 2 4 | 19 1 | 0 16 | 16 48 | 0 18 | 7 33 | 14 5 | 19 11 | 19 24 | 20 18 | 11 55 | 1 18 |
| F 18 | 12 45 | 12 44 | 5 3 | 17 31 | 0 55 | 19 0 | 0 18 | 0s10 | 0 43 | 19 54 | 0 6 | 18 1 | 2 4 | 19 1 | 0 16 | 16 48 | 0 18 | 7 34 | 14 4 | 19 11 | 19 24 | 20 19 | 11 56 | 1 18 |
| S 19 | 12 26 | 15 53 | 4 38 | 17 26 | 0 41 | 18 44 | 0 20 | 0 25 | 0 42 | 19 51 | 0 7 | 18 1 | 2 4 | 19 2 | 0 16 | 16 49 | 0 18 | 7 34 | 14 4 | 19 11 | 19 25 | 20 20 | 11 58 | 1 18 |
| S 20 | 12 6 | 18 20 | 4 2 | 17 18 | 0 26 | 18 28 | 0 23 | 0 41 | 0 42 | 19 48 | 0 7 | 18 2 | 2 3 | 19 2 | 0 16 | 16 49 | 0 18 | 7 35 | 14 3 | 19 11 | 19 26 | 20 21 | 11 59 | 1 18 |
| M21 | 11 46 | 19 59 | 3 15 | 17 8 | 0 12 | 18 11 | 0 25 | 0 56 | 0 41 | 19 46 | 0 7 | 18 3 | 2 3 | 19 2 | 0 16 | 16 50 | 0 18 | 7 35 | 14 3 | 19 11 | 19 26 | 20 21 | 12 1 | 1 18 |
| T 22 | 11 26 | 20 46 | 2 21 | 16 56 | 0n 1 | 17 54 | 0 28 | 1 11 | 0 41 | 19 43 | 0 7 | 18 3 | 2 3 | 19 2 | 0 16 | 16 50 | 0 18 | 7 36 | 14 2 | 19 10 | 19 27 | 20 22 | 12 2 | 1 19 |
| W23 | 11 6 | 20 37 | 1 19 | 16 40 | 0 14 | 17 36 | 0 30 | 1 27 | 0 40 | 19 40 | 0 7 | 18 4 | 2 3 | 19 3 | 0 16 | 16 50 | 0 18 | 7 36 | 14 2 | 19 10 | 19 28 | 20 23 | 12 4 | 1 19 |
| T 24 | 10 46 | 19 30 | 0 14 | 16 23 | 0 26 | 17 18 | 0 32 | 1 42 | 0 39 | 19 37 | 0 7 | 18 5 | 2 2 | 19 3 | 0 16 | 16 51 | 0 18 | 7 37 | 14 1 | 19 10 | 19 29 | 20 24 | 12 5 | 1 19 |
| F 25 | 10 25 | 17 29 | 0n53 | 16 2 | 0 37 | 16 59 | 0 35 | 1 57 | 0 39 | 19 35 | 0 7 | 18 5 | 2 2 | 19 3 | 0 16 | 16 51 | 0 18 | 7 38 | 14 1 | 19 10 | 19 29 | 20 25 | 12 7 | 1 19 |
| S 26 | 10 4 | 14 36 | 1 59 | 15 39 | 0 48 | 16 40 | 0 37 | 2 13 | 0 38 | 19 32 | 0 7 | 18 6 | 2 2 | 19 3 | 0 16 | 16 52 | 0 18 | 7 38 | 14 0 | 19 10 | 19 30 | 20 25 | 12 9 | 1 19 |
| S 27 | 9 44 | 10 59 | 2 59 | 15 13 | 0 57 | 16 20 | 0 39 | 2 28 | 0 38 | 19 29 | 0 7 | 18 7 | 2 2 | 19 4 | 0 16 | 16 52 | 0 18 | 7 39 | 14 0 | 19 11 | 19 31 | 20 26 | 12 10 | 1 20 |
| M28 | 9 23 | 6 47 | 3 52 | 14 44 | 1 6 | 16 0 | 0 42 | 2 43 | 0 37 | 19 26 | 0 7 | 18 7 | 2 1 | 19 4 | 0 16 | 16 53 | 0 18 | 7 39 | 13 59 | 19 12 | 19 31 | 20 27 | 12 12 | 1 20 |
| T 29 | 9 1 | 2 12 | 4 34 | 14 14 | 1 14 | 15 39 | 0 44 | 2 58 | 0 36 | 19 23 | 0 8 | 18 8 | 2 1 | 19 4 | 0 16 | 16 53 | 0 18 | 7 40 | 13 59 | 19 13 | 19 32 | 20 28 | 12 14 | 1 20 |
| W30 | 8 40 | 2s34 | 5 1 | 13 40 | 1 21 | 15 18 | 0 46 | 3 14 | 0 36 | 19 21 | 0 8 | 18 9 | 2 1 | 19 5 | 0 16 | 16 53 | 0 18 | 7 41 | 13 58 | 19 14 | 19 33 | 20 29 | 12 16 | 1 20 |
| T 31 | 8n19 | 7s16 | 5n11 | 13n 5 | 1n27 | 14n57 | 0n48 | 3s29 | 0n35 | 19n18 | 0n 8 | 18s10 | 2n 1 | 19s 5 | 0n16 | 16s54 | 0n18 | 7s41 | 13n57 | 19n15 | 19n34 | 20n29 | 12s17 | 1n20 |

Julian Day Number = 2811886.5, Delta T = 53m25s
Ecliptic obliquity = 23°18'36, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°33'04, Lahiri = 37°40'04


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# ASTRODIENST EPHEMERIS for the year 2986
# geocentric

## SEPTEMBER 2986 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 22 42 54 | 9♍31'54 | 15♏58 | 1♍ 6 | 22♌57 | 10♎51 | 4♌ 7 | 0♐28 | 26♏49 | 11°R40 | 7♐41 | 3°R29 | 2♌10 | 29♊13 | 6♏26 | F 1 |
| S 2 | 22 46 50 | 10°29'37 | 29°57 | 3° 7 | 24°10 | 11°29 | 4°19 | 0°31 | 26°51 | 11♒38 | 7°42 | 3♌27 | 2° 6 | 29°19 | 6°32 | S 2 |
| S 3 | 22 50 47 | 11°27'20 | 14♐ 3 | 5° 8 | 25°24 | 12° 7 | 4°31 | 0°34 | 26°52 | 11°37 | 7°42 | 3°D27 | 2° 3 | 29°26 | 6°38 | S 3 |
| M 4 | 22 54 43 | 12°25'04 | 28°15 | 7° 9 | 26°38 | 12°45 | 4°43 | 0°37 | 26°54 | 11°36 | 7°43 | 3°27 | 2° 0 | 29°33 | 6°44 | M 4 |
| T 5 | 22 58 40 | 13°22'49 | 12♑31 | 9°11 | 27°51 | 13°23 | 4°55 | 0°40 | 26°55 | 11°34 | 7°43 | 3°29 | 1°57 | 29°39 | 6°51 | T 5 |
| W 6 | 23 2 37 | 14°20'35 | 26°49 | 11°12 | 29° 5 | 14° 1 | 5° 7 | 0°44 | 26°57 | 11°33 | 7°44 | 3°R30 | 1°54 | 29°46 | 6°57 | W 6 |
| T 7 | 23 6 33 | 15°18'23 | 11♒ 6 | 13°12 | 0♍19 | 14°39 | 5°19 | 0°47 | 26°59 | 11°32 | 7°45 | 3°30 | 1°51 | 29°53 | 7° 3 | T 7 |
| F 8 | 23 10 30 | 16°16'11 | 25°19 | 15°12 | 1°33 | 15°17 | 5°31 | 0°50 | 27° 1 | 11°30 | 7°45 | 3°28 | 1°47 | 29°59 | 7°10 | F 8 |
| S 9 | 23 14 26 | 17°14'01 | 9♓22 | 17°11 | 2°47 | 15°56 | 5°42 | 0°54 | 27° 2 | 11°29 | 7°46 | 3°24 | 1°44 | 0♋ 6 | 7°17 | S 9 |
| S 10 | 23 18 23 | 18°11'52 | 23°13 | 19° 9 | 4° 0 | 16°34 | 5°54 | 0°57 | 27° 4 | 11°28 | 7°47 | 3°18 | 1°41 | 0°13 | 7°23 | S 10 |
| M11 | 23 22 19 | 19° 9'44 | 6♈46 | 21° 5 | 5°14 | 17°12 | 6° 6 | 1° 1 | 27° 6 | 11°27 | 7°48 | 3°11 | 1°38 | 0°19 | 7°30 | M11 |
| T 12 | 23 26 16 | 20° 7'38 | 20° 1 | 23° 1 | 6°28 | 17°50 | 6°17 | 1° 5 | 27° 8 | 11°26 | 7°49 | 3° 3 | 1°35 | 0°26 | 7°37 | T 12 |
| W13 | 23 30 12 | 21° 5'33 | 2♉55 | 24°56 | 7°42 | 18°29 | 6°29 | 1° 8 | 27°10 | 11°24 | 7°49 | 2°55 | 1°32 | 0°33 | 7°44 | W13 |
| T 14 | 23 34 9 | 22° 3'31 | 15°30 | 26°49 | 8°56 | 19° 7 | 6°40 | 1°12 | 27°12 | 11°23 | 7°50 | 2°49 | 1°28 | 0°39 | 7°51 | T 14 |
| F 15 | 23 38 6 | 23° 1'30 | 27°48 | 28°41 | 10°10 | 19°46 | 6°51 | 1°16 | 27°14 | 11°22 | 7°51 | 2°44 | 1°25 | 0°46 | 7°58 | F 15 |
| S 16 | 23 42 2 | 23°59'31 | 9♊52 | 0♎32 | 11°24 | 20°24 | 7° 3 | 1°20 | 27°16 | 11°21 | 7°52 | 2°40 | 1°22 | 0°53 | 8° 5 | S 16 |
| S 17 | 23 45 59 | 24°57'33 | 21°46 | 2°22 | 12°39 | 21° 3 | 7°14 | 1°24 | 27°19 | 11°20 | 7°53 | 2°D39 | 1°19 | 0°59 | 8°12 | S 17 |
| M18 | 23 49 55 | 25°55'38 | 3♋36 | 4°11 | 13°53 | 21°41 | 7°25 | 1°29 | 27°21 | 11°19 | 7°54 | 2°39 | 1°16 | 1° 6 | 8°19 | M18 |
| T 19 | 23 53 52 | 26°53'44 | 15°26 | 5°58 | 15° 7 | 22°20 | 7°36 | 1°33 | 27°23 | 11°18 | 7°55 | 2°40 | 1°12 | 1°13 | 8°26 | T 19 |
| W20 | 23 57 48 | 27°51'53 | 27°23 | 7°44 | 16°21 | 22°59 | 7°47 | 1°37 | 27°25 | 11°17 | 7°56 | 2°R41 | 1° 9 | 1°19 | 8°33 | W20 |
| T 21 | 0 1 45 | 28°50'03 | 9♌30 | 9°29 | 17°35 | 23°38 | 7°57 | 1°42 | 27°28 | 11°16 | 7°58 | 2°41 | 1° 6 | 1°26 | 8°41 | T 21 |
| F 22 | 0 5 41 | 29°48'15 | 21°52 | 11°13 | 18°49 | 24°16 | 8° 8 | 1°46 | 27°30 | 11°15 | 7°59 | 2°39 | 1° 3 | 1°33 | 8°48 | F 22 |
| S 23 | 0 9 38 | 0♎46'28 | 4♍32 | 12°55 | 20° 4 | 24°55 | 8°19 | 1°51 | 27°32 | 11°14 | 8° 0 | 2°35 | 1° 0 | 1°39 | 8°55 | S 23 |
| S 24 | 0 13 34 | 1°44'44 | 17°32 | 14°36 | 21°18 | 25°34 | 8°29 | 1°55 | 27°35 | 11°13 | 8° 1 | 2°28 | 0°57 | 1°46 | 9° 3 | S 24 |
| M25 | 0 17 31 | 2°43'01 | 0♎52 | 16°16 | 22°32 | 26°13 | 8°40 | 2° 0 | 27°37 | 11°12 | 8° 2 | 2°20 | 0°53 | 1°52 | 9°10 | M25 |
| T 26 | 0 21 28 | 3°41'20 | 14°30 | 17°55 | 23°47 | 26°52 | 8°50 | 2° 5 | 27°40 | 11°11 | 8° 4 | 2°10 | 0°50 | 1°59 | 9°18 | T 26 |
| W27 | 0 25 24 | 4°39'41 | 28°24 | 19°33 | 25° 1 | 27°31 | 9° 0 | 2°10 | 27°43 | 11°11 | 8° 5 | 2° 0 | 0°47 | 2° 6 | 9°26 | W27 |
| T 28 | 0 29 21 | 5°38'03 | 12♏28 | 21°10 | 26°16 | 28°10 | 9°10 | 2°15 | 27°45 | 11°10 | 8° 6 | 1°50 | 0°44 | 2°12 | 9°33 | T 28 |
| F 29 | 0 33 17 | 6°36'28 | 26°39 | 22°46 | 27°30 | 28°49 | 9°20 | 2°20 | 27°48 | 11° 9 | 8° 8 | 1°43 | 0°41 | 2°19 | 9°41 | F 29 |
| S 30 | 0 37 14 | 7♎34'53 | 10♐52 | 24♎20 | 28♍44 | 29♎28 | 9♌30 | 2♐25 | 27♏51 | 11♒ 8 | 8♐ 9 | 1♌38 | 0♌38 | 2♋26 | 9♏49 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7n57 | 11s40 | 5n 4 | 12n28 | 1n32 | 14n35 | 0n50 | 3s44 | 0n35 | 19n15 | 0n 8 | 18s10 | 2n 0 | 19s 5 | 0n16 | 16s54 | 0n18 | 7s42 | 13n57 | 19n16 | 19n34 | 20n30 | 12s19 | 1n21 |
| S 2 | 7 36 | 15 29 | 4 39 | 11 49 | 1 36 | 14 13 | 0 52 | 4 0 | 0 34 | 19 12 | 0 8 | 18 11 | 2 0 | 19 6 | 0 16 | 16 55 | 0 18 | 7 42 | 13 56 | 19 17 | 19 35 | 20 31 | 12 21 | 1 21 |
| S 3 | 7 14 | 18 27 | 3 57 | 11 8 | 1 40 | 13 50 | 0 54 | 4 15 | 0 34 | 19 10 | 0 8 | 18 12 | 2 0 | 19 6 | 0 15 | 16 55 | 0 18 | 7 43 | 13 56 | 19 17 | 19 36 | 20 32 | 12 23 | 1 21 |
| M 4 | 6 52 | 20 18 | 3 0 | 10 25 | 1 42 | 13 27 | 0 56 | 4 30 | 0 33 | 19 7 | 0 8 | 18 13 | 2 0 | 19 6 | 0 15 | 16 55 | 0 18 | 7 44 | 13 55 | 19 17 | 19 36 | 20 33 | 12 25 | 1 21 |
| T 5 | 6 30 | 20 52 | 1 52 | 9 42 | 1 44 | 13 3 | 0 58 | 4 46 | 0 32 | 19 4 | 0 8 | 18 14 | 2 0 | 19 7 | 0 15 | 16 56 | 0 18 | 7 44 | 13 55 | 19 16 | 19 37 | 20 33 | 12 27 | 1 21 |
| W 6 | 6 8 | 20 5 | 0 36 | 8 57 | 1 45 | 12 40 | 1 0 | 5 1 | 0 32 | 19 1 | 0 8 | 18 15 | 1 59 | 19 7 | 0 15 | 16 56 | 0 18 | 7 45 | 13 54 | 19 16 | 19 38 | 20 34 | 12 28 | 1 22 |
| T 7 | 5 46 | 18 0 | 0s41 | 8 11 | 1 45 | 12 15 | 1 1 | 5 16 | 0 31 | 18 59 | 0 9 | 18 16 | 1 59 | 19 8 | 0 15 | 16 56 | 0 18 | 7 45 | 13 54 | 19 16 | 19 39 | 20 35 | 12 30 | 1 22 |
| F 8 | 5 23 | 14 50 | 1 55 | 7 25 | 1 45 | 11 51 | 1 3 | 5 31 | 0 31 | 18 56 | 0 9 | 18 17 | 1 59 | 19 8 | 0 15 | 16 57 | 0 18 | 7 46 | 13 53 | 19 17 | 19 39 | 20 36 | 12 32 | 1 22 |
| S 9 | 5 1 | 10 49 | 3 2 | 6 38 | 1 44 | 11 26 | 1 5 | 5 46 | 0 30 | 18 53 | 0 9 | 18 18 | 1 59 | 19 9 | 0 15 | 16 57 | 0 18 | 7 47 | 13 53 | 19 17 | 19 40 | 20 36 | 12 34 | 1 22 |
| S 10 | 4 39 | 6 18 | 3 56 | 5 50 | 1 42 | 11 1 | 1 6 | 6 2 | 0 29 | 18 50 | 0 9 | 18 18 | 1 58 | 19 9 | 0 15 | 16 58 | 0 18 | 7 47 | 13 52 | 19 19 | 19 41 | 20 37 | 12 36 | 1 22 |
| M11 | 4 16 | 1 33 | 4 36 | 5 3 | 1 40 | 10 35 | 1 8 | 6 17 | 0 29 | 18 48 | 0 9 | 18 19 | 1 58 | 19 9 | 0 15 | 16 58 | 0 18 | 7 48 | 13 52 | 19 20 | 19 41 | 20 38 | 12 38 | 1 23 |
| T 12 | 3 53 | 3n 9 | 5 0 | 4 14 | 1 37 | 10 10 | 1 9 | 6 32 | 0 28 | 18 45 | 0 9 | 18 20 | 1 58 | 19 10 | 0 15 | 16 58 | 0 18 | 7 49 | 13 51 | 19 22 | 19 42 | 20 39 | 12 40 | 1 23 |
| W13 | 3 31 | 7 35 | 5 8 | 3 26 | 1 33 | 9 44 | 1 11 | 6 47 | 0 28 | 18 42 | 0 9 | 18 21 | 1 58 | 19 10 | 0 15 | 16 59 | 0 18 | 7 49 | 13 51 | 19 24 | 19 43 | 20 39 | 12 42 | 1 23 |
| T 14 | 3 8 | 11 36 | 5 0 | 2 38 | 1 30 | 9 17 | 1 12 | 7 2 | 0 27 | 18 39 | 0 9 | 18 22 | 1 57 | 19 11 | 0 15 | 16 59 | 0 18 | 7 50 | 13 50 | 19 26 | 19 43 | 20 40 | 12 44 | 1 23 |
| F 15 | 2 45 | 15 2 | 4 39 | 1 50 | 1 25 | 8 51 | 1 13 | 7 17 | 0 26 | 18 37 | 0 9 | 18 23 | 1 57 | 19 11 | 0 15 | 16 59 | 0 18 | 7 51 | 13 49 | 19 27 | 19 44 | 20 41 | 12 46 | 1 24 |
| S 16 | 2 22 | 17 45 | 4 6 | 1 1 | 1 21 | 8 24 | 1 15 | 7 32 | 0 26 | 18 34 | 0 10 | 18 24 | 1 57 | 19 12 | 0 15 | 17 0 | 0 18 | 7 51 | 13 49 | 19 27 | 19 45 | 20 41 | 12 48 | 1 24 |
| S 17 | 2 0 | 19 42 | 3 22 | 0 13 | 1 16 | 7 57 | 1 16 | 7 47 | 0 25 | 18 31 | 0 10 | 18 25 | 1 57 | 19 12 | 0 15 | 17 0 | 0 18 | 7 52 | 13 48 | 19 28 | 19 46 | 20 42 | 12 50 | 1 24 |
| M18 | 1 37 | 20 46 | 2 30 | 0s34 | 1 10 | 7 30 | 1 17 | 8 2 | 0 25 | 18 29 | 0 10 | 18 26 | 1 57 | 19 13 | 0 15 | 17 0 | 0 18 | 7 53 | 13 48 | 19 28 | 19 46 | 20 43 | 12 52 | 1 24 |
| T 19 | 1 14 | 20 54 | 1 31 | 1 22 | 1 5 | 7 2 | 1 18 | 8 17 | 0 24 | 18 26 | 0 10 | 18 28 | 1 56 | 19 13 | 0 15 | 17 0 | 0 18 | 7 53 | 13 47 | 19 27 | 19 47 | 20 44 | 12 54 | 1 24 |
| W20 | 0 51 | 20 6 | 0 29 | 2 9 | 0 59 | 6 34 | 1 19 | 8 31 | 0 23 | 18 23 | 0 10 | 18 29 | 1 56 | 19 14 | 0 15 | 17 1 | 0 18 | 7 54 | 13 47 | 19 27 | 19 48 | 20 44 | 12 57 | 1 25 |
| T 21 | 0 28 | 18 22 | 0n37 | 2 56 | 0 53 | 6 6 | 1 20 | 8 46 | 0 23 | 18 21 | 0 10 | 18 30 | 1 56 | 19 15 | 0 15 | 17 1 | 0 18 | 7 54 | 13 46 | 19 27 | 19 48 | 20 45 | 12 59 | 1 25 |
| F 22 | 0 5 | 15 44 | 1 41 | 3 42 | 0 46 | 5 38 | 1 21 | 9 1 | 0 22 | 18 18 | 0 10 | 18 31 | 1 56 | 19 15 | 0 15 | 17 1 | 0 18 | 7 55 | 13 46 | 19 28 | 19 49 | 20 46 | 13 1 | 1 25 |
| S 23 | 0s18 | 12 19 | 2 42 | 4 28 | 0 40 | 5 10 | 1 22 | 9 16 | 0 22 | 18 15 | 0 10 | 18 32 | 1 56 | 19 16 | 0 15 | 17 2 | 0 18 | 7 56 | 13 45 | 19 29 | 19 50 | 20 46 | 13 3 | 1 25 |
| S 24 | 0 41 | 8 13 | 3 36 | 5 13 | 0 33 | 4 42 | 1 22 | 9 30 | 0 21 | 18 13 | 0 11 | 18 33 | 1 55 | 19 16 | 0 15 | 17 2 | 0 18 | 7 56 | 13 45 | 19 30 | 19 50 | 20 47 | 13 5 | 1 25 |
| M25 | 1 4 | 3 38 | 4 20 | 5 58 | 0 26 | 4 13 | 1 23 | 9 45 | 0 20 | 18 10 | 0 11 | 18 34 | 1 55 | 19 17 | 0 15 | 17 2 | 0 18 | 7 57 | 13 44 | 19 32 | 19 51 | 20 48 | 13 7 | 1 26 |
| T 26 | 1 28 | 1s14 | 4 49 | 6 42 | 0 19 | 3 44 | 1 24 | 10 0 | 0 20 | 18 8 | 0 11 | 18 35 | 1 55 | 19 17 | 0 15 | 17 2 | 0 18 | 7 58 | 13 44 | 19 34 | 19 52 | 20 48 | 13 9 | 1 26 |
| W27 | 1 51 | 6 7 | 5 3 | 7 26 | 0 12 | 3 15 | 1 24 | 10 14 | 0 19 | 18 5 | 0 11 | 18 36 | 1 55 | 19 18 | 0 15 | 17 3 | 0 18 | 7 58 | 13 44 | 19 37 | 19 52 | 20 49 | 13 12 | 1 26 |
| T 28 | 2 14 | 10 45 | 4 58 | 8 9 | 0 4 | 2 47 | 1 25 | 10 28 | 0 19 | 18 3 | 0 11 | 18 38 | 1 55 | 19 19 | 0 15 | 17 3 | 0 18 | 7 59 | 13 43 | 19 39 | 19 53 | 20 50 | 13 14 | 1 26 |
| F 29 | 2 37 | 14 50 | 4 36 | 8 51 | 0s 3 | 2 18 | 1 25 | 10 43 | 0 18 | 18 0 | 0 11 | 18 39 | 1 54 | 19 19 | 0 15 | 17 3 | 0 18 | 8 0 | 13 43 | 19 40 | 19 54 | 20 50 | 13 16 | 1 27 |
| S 30 | 3s 0 | 18s 4 | 3n56 | 9s33 | 0s11 | 1n48 | 1n25 | 10s57 | 0n18 | 17n58 | 0n11 | 18s40 | 1n54 | 19s20 | 0n15 | 17s 3 | 0n18 | 8s 0 | 13n42 | 19n41 | 19n55 | 20n51 | 13s18 | 1n27 |

Julian Day Number = 2811917.5, Delta T = 53m26s
Ecliptic obliquity = 23°18'37, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°33'08, Lahiri = 37°40'08


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# ASTRODIENST EPHEMERIS for the year 2986
# geocentric

## OCTOBER 2986 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 41 10 | 8♎33'20 | 25♐ 4 | 25♎54 | 29♍59 | 0♏ 8 | 9♌40 | 2♐30 | 27♏53 | 11°R 8 | 8♐11 | 1°R35 | 0♌34 | 2♋32 | 9♏56 | S 1 |
| M 2 | 0 45 7 | 9°31'49 | 9♑13 | 27°26 | 1♎13 | 0°47 | 9°50 | 2°35 | 27°56 | 11♒ 7 | 8°12 | 1°D34 | 0°31 | 2°39 | 10° 4 | M 2 |
| T 3 | 0 49 3 | 10°30'19 | 23°18 | 28°58 | 2°28 | 1°26 | 9°59 | 2°40 | 27°59 | 11° 6 | 8°13 | 1♌35 | 0°28 | 2°46 | 10°12 | T 3 |
| W 4 | 0 53 0 | 11°28'51 | 7♒18 | 0♏28 | 3°42 | 2° 6 | 10° 9 | 2°46 | 28° 2 | 11° 6 | 8°15 | 1°R35 | 0°25 | 2°52 | 10°20 | W 4 |
| T 5 | 0 56 57 | 12°27'24 | 21°11 | 1°57 | 4°57 | 2°45 | 10°18 | 2°51 | 28° 5 | 11° 5 | 8°17 | 1°33 | 0°22 | 2°59 | 10°28 | T 5 |
| F 6 | 1 0 53 | 13°25'59 | 4♓58 | 3°25 | 6°12 | 3°24 | 10°28 | 2°56 | 28° 7 | 11° 5 | 8°18 | 1°29 | 0°18 | 3° 6 | 10°36 | F 6 |
| S 7 | 1 4 50 | 14°24'36 | 18°36 | 4°53 | 7°26 | 4° 4 | 10°37 | 3° 2 | 28°10 | 11° 4 | 8°20 | 1°23 | 0°15 | 3°12 | 10°44 | S 7 |
| S 8 | 1 8 46 | 15°23'14 | 2♈ 4 | 6°19 | 8°41 | 4°43 | 10°46 | 3° 7 | 28°13 | 11° 4 | 8°21 | 1°14 | 0°12 | 3°19 | 10°52 | S 8 |
| M 9 | 1 12 43 | 16°21'54 | 15°19 | 7°44 | 9°55 | 5°23 | 10°55 | 3°13 | 28°16 | 11° 3 | 8°23 | 1° 2 | 0° 9 | 3°26 | 11° 0 | M 9 |
| T 10 | 1 16 39 | 17°20'36 | 28°19 | 9° 7 | 11°10 | 6° 3 | 11° 3 | 3°19 | 28°19 | 11° 3 | 8°25 | 0°49 | 0° 6 | 3°32 | 11° 8 | T 10 |
| W11 | 1 20 36 | 18°19'20 | 11♉ 3 | 10°30 | 12°25 | 6°42 | 11°12 | 3°24 | 28°22 | 11° 2 | 8°26 | 0°37 | 0° 3 | 3°39 | 11°16 | W11 |
| T 12 | 1 24 32 | 19°18'06 | 23°31 | 11°52 | 13°39 | 7°22 | 11°21 | 3°30 | 28°26 | 11° 2 | 8°28 | 0°26 | 29♋59 | 3°46 | 11°24 | T 12 |
| F 13 | 1 28 29 | 20°16'54 | 5♊45 | 13°12 | 14°54 | 8° 2 | 11°29 | 3°36 | 28°29 | 11° 2 | 8°30 | 0°16 | 29°56 | 3°52 | 11°33 | F 13 |
| S 14 | 1 32 26 | 21°15'44 | 17°47 | 14°31 | 16° 9 | 8°42 | 11°37 | 3°42 | 28°32 | 11° 1 | 8°32 | 0°10 | 29°53 | 3°59 | 11°41 | S 14 |
| S 15 | 1 36 22 | 22°14'37 | 29°39 | 15°49 | 17°24 | 9°21 | 11°46 | 3°48 | 28°35 | 11° 1 | 8°33 | 0° 6 | 29°50 | 4° 6 | 11°49 | S 15 |
| M16 | 1 40 19 | 23°13'31 | 11♋28 | 17° 5 | 18°38 | 10° 1 | 11°54 | 3°54 | 28°38 | 11° 1 | 8°35 | 0° 4 | 29°47 | 4°12 | 11°57 | M16 |
| T 17 | 1 44 15 | 24°12'28 | 23°17 | 18°20 | 19°53 | 10°41 | 12° 2 | 4° 0 | 28°41 | 11° 1 | 8°37 | 0° 3 | 29°43 | 4°19 | 12° 6 | T 17 |
| W18 | 1 48 12 | 25°11'27 | 5♌13 | 19°33 | 21° 8 | 11°21 | 12° 9 | 4° 6 | 28°45 | 11° 0 | 8°39 | 0° 3 | 29°40 | 4°26 | 12°14 | W18 |
| T 19 | 1 52 8 | 26°10'29 | 17°20 | 20°45 | 22°23 | 12° 1 | 12°17 | 4°12 | 28°48 | 11° 0 | 8°41 | 0° 3 | 29°37 | 4°32 | 12°22 | T 19 |
| F 20 | 1 56 5 | 27° 9'32 | 29°45 | 21°55 | 23°38 | 12°42 | 12°24 | 4°18 | 28°51 | 11° 0 | 8°43 | 29♋59 | 29°34 | 4°39 | 12°31 | F 20 |
| S 21 | 2 0 1 | 28° 8'38 | 12♍31 | 23° 3 | 24°53 | 13°22 | 12°32 | 4°25 | 28°55 | 11° 0 | 8°45 | 29°55 | 29°31 | 4°46 | 12°39 | S 21 |
| S 22 | 2 3 58 | 29° 7'46 | 25°40 | 24° 9 | 26° 7 | 14° 2 | 12°39 | 4°31 | 28°58 | 11° 0 | 8°46 | 29°47 | 29°28 | 4°52 | 12°47 | S 22 |
| M23 | 2 7 54 | 0♏ 6'56 | 9♎15 | 25°13 | 27°22 | 14°42 | 12°46 | 4°37 | 29° 1 | 11°D 0 | 8°48 | 29°37 | 29°24 | 4°59 | 12°56 | M23 |
| T 24 | 2 11 51 | 1° 6'08 | 23°14 | 26°15 | 28°37 | 15°23 | 12°53 | 4°43 | 29° 5 | 11° 0 | 8°50 | 29°25 | 29°21 | 5° 6 | 13° 4 | T 24 |
| W25 | 2 15 48 | 2° 5'22 | 7♏32 | 27°14 | 29°52 | 16° 3 | 13° 0 | 4°50 | 29° 8 | 11° 0 | 8°52 | 29°13 | 29°18 | 5°12 | 13°13 | W25 |
| T 26 | 2 19 44 | 3° 4'38 | 22° 3 | 28°10 | 1♏ 7 | 16°43 | 13° 7 | 4°56 | 29°12 | 11° 0 | 8°54 | 29° 2 | 29°15 | 5°19 | 13°21 | T 26 |
| F 27 | 2 23 41 | 4° 3'56 | 6♐40 | 29° 4 | 2°22 | 17°24 | 13°13 | 5° 3 | 29°15 | 11° 0 | 8°56 | 28°52 | 29°12 | 5°26 | 13°30 | F 27 |
| S 28 | 2 27 37 | 5° 3'16 | 21°16 | 29°53 | 3°37 | 18° 4 | 13°19 | 5° 9 | 29°19 | 11° 1 | 8°59 | 28°46 | 29° 9 | 5°32 | 13°38 | S 28 |
| S 29 | 2 31 34 | 6° 2'38 | 5♑46 | 0♐40 | 4°52 | 18°45 | 13°25 | 5°16 | 29°22 | 11° 1 | 9° 1 | 28°42 | 29° 5 | 5°39 | 13°47 | S 29 |
| M30 | 2 35 30 | 7° 2'02 | 20° 5 | 1°22 | 6° 7 | 19°26 | 13°32 | 5°23 | 29°26 | 11° 1 | 9° 3 | 28°41 | 29° 2 | 5°46 | 13°55 | M30 |
| T 31 | 2 39 27 | 8♏ 1'27 | 4♒11 | 2♐ 0 | 7♏22 | 20♏ 6 | 13♌37 | 5♐29 | 29♏29 | 11♒ 1 | 9♐ 5 | 28♋41 | 28♋59 | 5♋52 | 14♏ 4 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 3s22 | 20s12 | 3n 1 | 10s14 | 0s18 | 1n19 | 1n26 | 11s11 | 0n17 | 17n55 | 0n11 | 18s41 | 1n54 | 19s20 | 0n15 | 17s 3 | 0n18 | 8s 1 | 13n42 | 19n42 | 19n55 | 20n52 | 13s20 | 1n27 | |
| M 2 | 3 45 | 21 4 | 1 56 | 10 54 | 0 26 | 0 50 | 1 26 | 11 26 | 0 16 | 17 53 | 0 12 | 18 42 | 1 54 | 19 21 | 0 15 | 17 4 | 0 18 | 8 2 | 13 41 | 19 42 | 19 56 | 20 52 | 13 23 | 1 27 | |
| T 3 | 4 8 | 20 35 | 0 44 | 11 34 | 0 33 | 0 21 | 1 26 | 11 40 | 0 16 | 17 50 | 0 12 | 18 43 | 1 54 | 19 22 | 0 15 | 17 4 | 0 18 | 8 2 | 13 41 | 19 42 | 19 57 | 20 53 | 13 25 | 1 27 | |
| W 4 | 4 31 | 18 50 | 0s30 | 12 13 | 0 41 | 0s 9 | 1 26 | 11 54 | 0 15 | 17 48 | 0 12 | 18 45 | 1 53 | 19 22 | 0 15 | 17 4 | 0 18 | 8 3 | 13 40 | 19 42 | 19 57 | 20 54 | 13 27 | 1 28 | |
| T 5 | 4 54 | 15 58 | 1 42 | 12 51 | 0 49 | 0 38 | 1 26 | 12 8 | 0 15 | 17 45 | 0 12 | 18 46 | 1 53 | 19 23 | 0 15 | 17 4 | 0 18 | 8 4 | 13 40 | 19 42 | 19 58 | 20 54 | 13 29 | 1 28 | |
| F 6 | 5 16 | 12 14 | 2 47 | 13 28 | 0 56 | 1 8 | 1 26 | 12 22 | 0 14 | 17 43 | 0 12 | 18 47 | 1 53 | 19 24 | 0 15 | 17 4 | 0 18 | 8 4 | 13 39 | 19 43 | 19 59 | 20 55 | 13 32 | 1 28 | |
| S 7 | 5 39 | 7 53 | 3 42 | 14 5 | 1 4 | 1 37 | 1 26 | 12 36 | 0 13 | 17 41 | 0 12 | 18 48 | 1 53 | 19 24 | 0 15 | 17 5 | 0 18 | 8 5 | 13 39 | 19 45 | 19 59 | 20 56 | 13 34 | 1 28 | |
| S 8 | 6 2 | 3 13 | 4 23 | 14 41 | 1 12 | 2 6 | 1 26 | 12 50 | 0 13 | 17 38 | 0 12 | 18 49 | 1 53 | 19 25 | 0 15 | 17 5 | 0 18 | 8 6 | 13 39 | 19 47 | 20 0 | 20 56 | 13 36 | 1 29 | |
| M 9 | 6 24 | 1n32 | 4 50 | 15 16 | 1 19 | 2 36 | 1 26 | 13 3 | 0 12 | 17 36 | 0 12 | 18 51 | 1 53 | 19 26 | 0 15 | 17 5 | 0 18 | 8 6 | 13 38 | 19 49 | 20 1 | 20 57 | 13 38 | 1 29 | |
| T 10 | 6 46 | 6 8 | 5 1 | 15 50 | 1 27 | 3 5 | 1 25 | 13 17 | 0 12 | 17 34 | 0 13 | 18 52 | 1 52 | 19 26 | 0 15 | 17 5 | 0 18 | 8 7 | 13 38 | 19 52 | 20 1 | 20 58 | 13 41 | 1 29 | |
| W11 | 7 9 | 10 22 | 4 56 | 16 23 | 1 34 | 3 34 | 1 25 | 13 30 | 0 11 | 17 31 | 0 13 | 18 53 | 1 52 | 19 27 | 0 15 | 17 5 | 0 18 | 8 8 | 13 37 | 19 55 | 20 2 | 20 58 | 13 43 | 1 29 | |
| T 12 | 7 31 | 14 4 | 4 37 | 16 55 | 1 41 | 4 4 | 1 25 | 13 44 | 0 10 | 17 29 | 0 13 | 18 54 | 1 52 | 19 28 | 0 15 | 17 5 | 0 18 | 8 8 | 13 37 | 19 57 | 20 3 | 20 59 | 13 45 | 1 30 | |
| F 13 | 7 53 | 17 7 | 4 6 | 17 26 | 1 48 | 4 33 | 1 24 | 13 57 | 0 10 | 17 27 | 0 13 | 18 56 | 1 52 | 19 29 | 0 15 | 17 5 | 0 18 | 8 9 | 13 36 | 19 59 | 20 3 | 20 59 | 13 47 | 1 30 | |
| S 14 | 8 15 | 19 22 | 3 24 | 17 57 | 1 55 | 5 2 | 1 24 | 14 11 | 0 9 | 17 25 | 0 13 | 18 57 | 1 52 | 19 29 | 0 15 | 17 5 | 0 17 | 8 10 | 13 36 | 20 0 | 20 4 | 21 0 | 13 50 | 1 30 | |
| S 15 | 8 37 | 20 45 | 2 34 | 18 26 | 2 2 | 5 31 | 1 23 | 14 24 | 0 9 | 17 23 | 0 13 | 18 58 | 1 52 | 19 30 | 0 15 | 17 5 | 0 17 | 8 10 | 13 36 | 20 1 | 20 5 | 21 1 | 13 52 | 1 30 | |
| M16 | 8 59 | 21 13 | 1 37 | 18 55 | 2 9 | 6 0 | 1 22 | 14 37 | 0 8 | 17 21 | 0 13 | 18 59 | 1 51 | 19 31 | 0 15 | 17 6 | 0 17 | 8 11 | 13 35 | 20 2 | 20 5 | 21 1 | 13 54 | 1 31 | |
| T 17 | 9 20 | 20 44 | 0 36 | 19 22 | 2 16 | 6 29 | 1 21 | 14 50 | 0 8 | 17 19 | 0 14 | 19 1 | 1 51 | 19 31 | 0 15 | 17 6 | 0 17 | 8 12 | 13 35 | 20 2 | 20 6 | 21 2 | 13 56 | 1 31 | |
| W18 | 9 42 | 19 18 | 0n27 | 19 48 | 2 22 | 6 57 | 1 21 | 15 3 | 0 7 | 17 17 | 0 14 | 19 2 | 1 51 | 19 32 | 0 15 | 17 6 | 0 17 | 8 12 | 13 34 | 20 2 | 20 7 | 21 2 | 13 59 | 1 31 | |
| T 19 | 10 3 | 16 59 | 1 30 | 20 14 | 2 28 | 7 26 | 1 20 | 15 16 | 0 6 | 17 15 | 0 14 | 19 3 | 1 51 | 19 33 | 0 15 | 17 6 | 0 17 | 8 13 | 13 34 | 20 2 | 20 7 | 21 3 | 14 1 | 1 31 | |
| F 20 | 10 24 | 13 51 | 2 30 | 20 38 | 2 34 | 7 54 | 1 19 | 15 28 | 0 6 | 17 13 | 0 14 | 19 4 | 1 51 | 19 34 | 0 15 | 17 6 | 0 17 | 8 13 | 13 34 | 20 2 | 20 8 | 21 3 | 14 3 | 1 32 | |
| S 21 | 10 45 | 9 59 | 3 24 | 21 1 | 2 40 | 8 22 | 1 18 | 15 41 | 0 5 | 17 11 | 0 14 | 19 6 | 1 51 | 19 34 | 0 15 | 17 6 | 0 17 | 8 14 | 13 33 | 20 4 | 20 9 | 21 4 | 14 5 | 1 32 | |
| S 22 | 11 6 | 5 32 | 4 10 | 21 22 | 2 45 | 8 50 | 1 17 | 15 54 | 0 5 | 17 9 | 0 14 | 19 7 | 1 51 | 19 35 | 0 15 | 17 6 | 0 17 | 8 15 | 13 33 | 20 5 | 20 9 | 21 5 | 14 8 | 1 32 | |
| M23 | 11 27 | 0 41 | 4 42 | 21 43 | 2 50 | 9 18 | 1 16 | 16 6 | 0 4 | 17 7 | 0 14 | 19 8 | 1 50 | 19 36 | 0 15 | 17 6 | 0 17 | 8 15 | 13 33 | 20 7 | 20 10 | 21 5 | 14 10 | 1 32 | |
| T 24 | 11 48 | 4s21 | 4 59 | 22 2 | 2 55 | 9 46 | 1 15 | 16 18 | 0 3 | 17 5 | 0 15 | 19 10 | 1 50 | 19 37 | 0 15 | 17 6 | 0 17 | 8 16 | 13 32 | 20 10 | 20 11 | 21 6 | 14 12 | 1 33 | |
| W25 | 12 8 | 9 15 | 4 57 | 22 20 | 2 59 | 10 13 | 1 13 | 16 30 | 0 3 | 17 3 | 0 15 | 19 11 | 1 50 | 19 37 | 0 14 | 17 6 | 0 17 | 8 17 | 13 32 | 20 12 | 20 11 | 21 6 | 14 14 | 1 33 | |
| T 26 | 12 28 | 13 43 | 4 37 | 22 37 | 3 3 | 10 40 | 1 12 | 16 42 | 0 2 | 17 2 | 0 15 | 19 12 | 1 50 | 19 38 | 0 14 | 17 6 | 0 17 | 8 17 | 13 32 | 20 15 | 20 12 | 21 7 | 14 17 | 1 33 | |
| F 27 | 12 48 | 17 23 | 3 58 | 22 52 | 3 6 | 11 7 | 1 11 | 16 54 | 0 2 | 17 0 | 0 15 | 19 13 | 1 50 | 19 39 | 0 14 | 17 6 | 0 17 | 8 18 | 13 31 | 20 16 | 20 13 | 21 7 | 14 19 | 1 34 | |
| S 28 | 13 8 | 19 58 | 3 4 | 23 5 | 3 9 | 11 34 | 1 9 | 17 6 | 0 1 | 16 58 | 0 15 | 19 15 | 1 50 | 19 40 | 0 14 | 17 6 | 0 17 | 8 18 | 13 31 | 20 18 | 20 13 | 21 8 | 14 21 | 1 34 | |
| S 29 | 13 28 | 21 13 | 1 58 | 23 17 | 3 11 | 12 0 | 1 8 | 17 18 | 0 1 | 16 57 | 0 15 | 19 16 | 1 50 | 19 40 | 0 14 | 17 6 | 0 17 | 8 19 | 13 31 | 20 19 | 20 14 | 21 8 | 14 23 | 1 34 | |
| M30 | 13 47 | 21 4 | 0 45 | 23 28 | 3 12 | 12 27 | 1 6 | 17 30 | 0s 0 | 16 55 | 0 15 | 19 17 | 1 50 | 19 41 | 0 14 | 17 6 | 0 17 | 8 20 | 13 30 | 20 19 | 20 14 | 21 9 | 14 26 | 1 34 | |
| T 31 | 14s 6 | 19s35 | 0s29 | 23s36 | 3s13 | 12s52 | 1n 5 | 17s41 | 0s 1 | 16n54 | 0n16 | 19s18 | 1n49 | 19s42 | 0n14 | 17s 6 | 0n17 | 8s20 | 13n30 | 20n19 | 20n15 | 21n10 | 14s28 | 1n35 | |

Julian Day Number = 2811947.5, Delta T = 53m26s
Ecliptic obliquity = 23°18'37, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°33'12, Lahiri = 37°40'13


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# ASTRODIENST EPHEMERIS for the year 2986
# geocentric

## NOVEMBER 2986 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 2 43 24 | 9♏ 0'54 | 18♒ 3 | 2♐33 | 8♏37 | 20♏47 | 13♑43 | 5♐36 | 29♏33 | 11♒ 2 | 9♐ 7 | 28°R40 | 28♋56 | 5♋59 | 14♏12 | W 1 |
| T 2 | 2 47 20 | 10° 0'22 | 1♓43 | 3° 0 | 9°52 | 21°28 | 13°49 | 5°43 | 29°36 | 11° 2 | 9° 9 | 28♋39 | 28°53 | 6° 6 | 14°21 | T 2 |
| F 3 | 2 51 17 | 10°59'52 | 15°11 | 3°22 | 11° 7 | 22° 9 | 13°54 | 5°49 | 29°40 | 11° 2 | 9°11 | 28°35 | 28°49 | 6°12 | 14°29 | F 3 |
| S 4 | 2 55 13 | 11°59'24 | 28°27 | 3°38 | 12°22 | 22°50 | 13°59 | 5°56 | 29°44 | 11° 3 | 9°13 | 28°28 | 28°46 | 6°19 | 14°38 | S 4 |
| S 5 | 2 59 10 | 12°58'57 | 11♈31 | 3°46 | 13°37 | 23°31 | 14° 4 | 6° 3 | 29°47 | 11° 3 | 9°16 | 28°19 | 28°43 | 6°25 | 14°46 | S 5 |
| M 6 | 3 3 6 | 13°58'32 | 24°24 | 3°R47 | 14°52 | 24°11 | 14° 9 | 6°10 | 29°51 | 11° 4 | 9°18 | 28° 7 | 28°40 | 6°32 | 14°55 | M 6 |
| T 7 | 3 7 3 | 14°58'10 | 7♉ 6 | 3°40 | 16° 7 | 24°53 | 14°14 | 6°16 | 29°55 | 11° 4 | 9°20 | 27°54 | 28°37 | 6°39 | 15° 3 | T 7 |
| W 8 | 3 10 59 | 15°57'49 | 19°35 | 3°24 | 17°22 | 25°34 | 14°18 | 6°23 | 29°58 | 11° 5 | 9°22 | 27°41 | 28°34 | 6°45 | 15°12 | W 8 |
| T 9 | 3 14 56 | 16°57'30 | 1♊52 | 3° 0 | 18°37 | 26°15 | 14°23 | 6°30 | 0♐ 2 | 11° 5 | 9°25 | 27°30 | 28°30 | 6°52 | 15°20 | T 9 |
| F 10 | 3 18 52 | 17°57'13 | 13°58 | 2°27 | 19°52 | 26°56 | 14°27 | 6°37 | 0° 6 | 11° 6 | 9°27 | 27°20 | 28°27 | 6°59 | 15°29 | F 10 |
| S 11 | 3 22 49 | 18°56'58 | 25°55 | 1°44 | 21° 7 | 27°37 | 14°31 | 6°44 | 0° 9 | 11° 6 | 9°29 | 27°13 | 28°24 | 7° 5 | 15°37 | S 11 |
| S 12 | 3 26 46 | 19°56'45 | 7♋45 | 0°53 | 22°22 | 28°18 | 14°35 | 6°51 | 0°13 | 11° 7 | 9°31 | 27° 8 | 28°21 | 7°12 | 15°46 | S 12 |
| M13 | 3 30 42 | 20°56'35 | 19°32 | 29♏53 | 23°38 | 29° 0 | 14°38 | 6°58 | 0°17 | 11° 8 | 9°34 | 27° 6 | 28°18 | 7°19 | 15°55 | M13 |
| T 14 | 3 34 39 | 21°56'26 | 1♌20 | 28°47 | 24°53 | 29°41 | 14°42 | 7° 5 | 0°20 | 11° 8 | 9°36 | 27°D 6 | 28°15 | 7°25 | 16° 3 | T 14 |
| W15 | 3 38 35 | 22°56'20 | 13°13 | 27°34 | 26° 8 | 0♐23 | 14°45 | 7°12 | 0°24 | 11° 9 | 9°38 | 27° 7 | 28°11 | 7°32 | 16°12 | W15 |
| T 16 | 3 42 32 | 23°56'15 | 25°19 | 26°18 | 27°23 | 1° 4 | 14°48 | 7°19 | 0°28 | 11°10 | 9°41 | 27°R 7 | 28° 8 | 7°39 | 16°20 | T 16 |
| F 17 | 3 46 28 | 24°56'13 | 7♍41 | 25° 0 | 28°38 | 1°46 | 14°51 | 7°26 | 0°32 | 11°11 | 9°43 | 27° 6 | 28° 5 | 7°45 | 16°29 | F 17 |
| S 18 | 3 50 25 | 25°56'13 | 20°25 | 23°43 | 29°53 | 2°27 | 14°54 | 7°33 | 0°35 | 11°12 | 9°45 | 27° 3 | 28° 2 | 7°52 | 16°37 | S 18 |
| S 19 | 3 54 21 | 26°56'15 | 3♎35 | 22°29 | 1♐ 8 | 3° 9 | 14°56 | 7°40 | 0°39 | 11°13 | 9°48 | 26°58 | 27°59 | 7°59 | 16°45 | S 19 |
| M20 | 3 58 18 | 27°56'19 | 17°13 | 21°21 | 2°24 | 3°51 | 14°59 | 7°48 | 0°43 | 11°14 | 9°50 | 26°51 | 27°55 | 8° 5 | 16°54 | M20 |
| T 21 | 4 2 15 | 28°56'25 | 1♏19 | 20°20 | 3°39 | 4°32 | 15° 1 | 7°55 | 0°47 | 11°14 | 9°52 | 26°42 | 27°52 | 8°12 | 17° 2 | T 21 |
| W22 | 4 6 11 | 29°56'33 | 15°50 | 19°28 | 4°54 | 5°14 | 15° 3 | 8° 2 | 0°50 | 11°15 | 9°55 | 26°32 | 27°49 | 8°19 | 17°11 | W22 |
| T 23 | 4 10 8 | 0♐56'43 | 0♐40 | 18°47 | 6° 9 | 5°56 | 15° 5 | 8° 9 | 0°54 | 11°16 | 9°57 | 26°23 | 27°46 | 8°25 | 17°19 | T 23 |
| F 24 | 4 14 4 | 1°56'54 | 15°39 | 18°17 | 7°24 | 6°38 | 15° 6 | 8°16 | 0°58 | 11°18 | 9°59 | 26°16 | 27°43 | 8°32 | 17°28 | F 24 |
| S 25 | 4 18 1 | 2°57'08 | 0♑40 | 17°59 | 8°39 | 7°20 | 15° 8 | 8°23 | 1° 2 | 11°19 | 10° 2 | 26°11 | 27°40 | 8°39 | 17°36 | S 25 |
| S 26 | 4 21 57 | 3°57'23 | 15°32 | 17°D53 | 9°55 | 8° 2 | 15° 9 | 8°30 | 1° 5 | 11°20 | 10° 4 | 26° 9 | 27°36 | 8°45 | 17°44 | S 26 |
| M27 | 4 25 54 | 4°57'39 | 0♒10 | 17°58 | 11°10 | 8°44 | 15°10 | 8°38 | 1° 9 | 11°21 | 10° 7 | 26°D 8 | 27°33 | 8°52 | 17°53 | M27 |
| T 28 | 4 29 51 | 5°57'57 | 14°30 | 18°13 | 12°25 | 9°26 | 15°11 | 8°45 | 1°13 | 11°22 | 10° 9 | 26° 9 | 27°30 | 8°59 | 18° 1 | T 28 |
| W29 | 4 33 47 | 6°58'16 | 28°29 | 18°38 | 13°40 | 10° 8 | 15°11 | 8°52 | 1°17 | 11°23 | 10°11 | 26°10 | 27°27 | 9° 5 | 18° 9 | W29 |
| T 30 | 4 37 44 | 7♐58'36 | 12♓ 7 | 19♏12 | 14♐55 | 10♐50 | 15♑12 | 8♐59 | 1♐20 | 11♒24 | 10♐14 | 26°R11 | 27♋24 | 9♋12 | 18♏17 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14s25 | 16s56 | 1s41 | 23s43 | 3s13 | 13s18 | 1n 3 | 17s52 | 0s 1 | 16n52 | 0n16 | 19s20 | 1n49 | 19s43 | 0n14 | 17s 6 | 0n17 | 8s21 | 13n30 | 20n19 | 20n16 | 21n10 | 14s30 | 1n35 |
| T 2 | 14 44 | 13 23 | 2 45 | 23 47 | 3 12 | 13 43 | 1 2 | 18 4 | 0 2 | 16 51 | 0 16 | 19 21 | 1 49 | 19 43 | 0 14 | 17 6 | 0 17 | 8 21 | 13 30 | 20 19 | 20 16 | 21 11 | 14 32 | 1 35 |
| F 3 | 15 3 | 9 11 | 3 40 | 23 50 | 3 10 | 14 8 | 1 0 | 18 15 | 0 2 | 16 49 | 0 16 | 19 22 | 1 49 | 19 44 | 0 14 | 17 6 | 0 17 | 8 22 | 13 29 | 20 20 | 20 17 | 21 11 | 14 35 | 1 35 |
| S 4 | 15 21 | 4 37 | 4 21 | 23 50 | 3 7 | 14 32 | 0 58 | 18 26 | 0 3 | 16 48 | 0 16 | 19 24 | 1 49 | 19 45 | 0 14 | 17 5 | 0 17 | 8 23 | 13 29 | 20 21 | 20 18 | 21 12 | 14 37 | 1 36 |
| S 5 | 15 39 | 0n 6 | 4 49 | 23 47 | 3 3 | 14 57 | 0 56 | 18 36 | 0 4 | 16 47 | 0 16 | 19 25 | 1 49 | 19 46 | 0 14 | 17 5 | 0 17 | 8 23 | 13 29 | 20 23 | 20 18 | 21 12 | 14 39 | 1 36 |
| M 6 | 15 57 | 4 45 | 5 1 | 23 42 | 2 58 | 15 20 | 0 55 | 18 47 | 0 4 | 16 45 | 0 17 | 19 26 | 1 49 | 19 47 | 0 14 | 17 5 | 0 17 | 8 24 | 13 28 | 20 26 | 20 19 | 21 13 | 14 41 | 1 36 |
| T 7 | 16 14 | 9 7 | 4 57 | 23 34 | 2 51 | 15 44 | 0 53 | 18 58 | 0 5 | 16 44 | 0 17 | 19 27 | 1 49 | 19 47 | 0 14 | 17 5 | 0 17 | 8 24 | 13 28 | 20 28 | 20 20 | 21 13 | 14 43 | 1 37 |
| W 8 | 16 32 | 13 2 | 4 40 | 23 23 | 2 43 | 16 7 | 0 51 | 19 8 | 0 5 | 16 43 | 0 17 | 19 29 | 1 49 | 19 48 | 0 14 | 17 5 | 0 17 | 8 25 | 13 28 | 20 31 | 20 20 | 21 14 | 14 46 | 1 37 |
| T 9 | 16 49 | 16 21 | 4 10 | 23 8 | 2 33 | 16 29 | 0 49 | 19 18 | 0 6 | 16 42 | 0 17 | 19 30 | 1 48 | 19 49 | 0 14 | 17 5 | 0 17 | 8 25 | 13 28 | 20 33 | 20 21 | 21 14 | 14 48 | 1 37 |
| F 10 | 17 5 | 18 54 | 3 28 | 22 51 | 2 21 | 16 51 | 0 47 | 19 28 | 0 6 | 16 41 | 0 17 | 19 31 | 1 48 | 19 50 | 0 14 | 17 5 | 0 17 | 8 26 | 13 27 | 20 35 | 20 22 | 21 15 | 14 50 | 1 38 |
| S 11 | 17 22 | 20 37 | 2 38 | 22 29 | 2 8 | 17 13 | 0 45 | 19 38 | 0 7 | 16 40 | 0 17 | 19 32 | 1 48 | 19 50 | 0 14 | 17 5 | 0 17 | 8 26 | 13 27 | 20 36 | 20 22 | 21 15 | 14 52 | 1 38 |
| S 12 | 17 38 | 21 24 | 1 41 | 22 4 | 1 53 | 17 34 | 0 43 | 19 48 | 0 8 | 16 39 | 0 17 | 19 34 | 1 48 | 19 51 | 0 14 | 17 4 | 0 17 | 8 27 | 13 27 | 20 37 | 20 23 | 21 15 | 14 54 | 1 38 |
| M13 | 17 54 | 21 14 | 0 40 | 21 35 | 1 36 | 17 55 | 0 41 | 19 58 | 0 8 | 16 38 | 0 18 | 19 35 | 1 48 | 19 52 | 0 14 | 17 4 | 0 17 | 8 27 | 13 27 | 20 37 | 20 23 | 21 16 | 14 56 | 1 38 |
| T 14 | 18 9 | 20 7 | 0n23 | 21 3 | 1 18 | 18 15 | 0 39 | 20 7 | 0 9 | 16 37 | 0 18 | 19 36 | 1 48 | 19 53 | 0 14 | 17 4 | 0 17 | 8 28 | 13 27 | 20 38 | 20 24 | 21 16 | 14 58 | 1 39 |
| W15 | 18 24 | 18 7 | 1 25 | 20 28 | 0 59 | 18 35 | 0 37 | 20 16 | 0 9 | 16 36 | 0 18 | 19 37 | 1 48 | 19 54 | 0 14 | 17 4 | 0 17 | 8 28 | 13 26 | 20 37 | 20 25 | 21 17 | 15 1 | 1 39 |
| T 16 | 18 39 | 15 17 | 2 25 | 19 51 | 0 39 | 18 55 | 0 34 | 20 26 | 0 10 | 16 36 | 0 18 | 19 38 | 1 48 | 19 54 | 0 14 | 17 4 | 0 17 | 8 29 | 13 26 | 20 37 | 20 25 | 21 17 | 15 3 | 1 39 |
| F 17 | 18 54 | 11 44 | 3 19 | 19 13 | 0 18 | 19 13 | 0 32 | 20 34 | 0 11 | 16 35 | 0 18 | 19 40 | 1 48 | 19 55 | 0 14 | 17 3 | 0 17 | 8 29 | 13 26 | 20 38 | 20 26 | 21 18 | 15 5 | 1 40 |
| S 18 | 19 8 | 7 33 | 4 6 | 18 34 | 0n 2 | 19 32 | 0 30 | 20 43 | 0 11 | 16 34 | 0 19 | 19 41 | 1 48 | 19 56 | 0 14 | 17 3 | 0 17 | 8 30 | 13 26 | 20 38 | 20 27 | 21 18 | 15 7 | 1 40 |
| S 19 | 19 22 | 2 53 | 4 41 | 17 56 | 0 23 | 19 49 | 0 28 | 20 52 | 0 12 | 16 34 | 0 19 | 19 42 | 1 48 | 19 57 | 0 14 | 17 3 | 0 17 | 8 30 | 13 26 | 20 39 | 20 27 | 21 19 | 15 9 | 1 40 |
| M20 | 19 36 | 2s 5 | 5 1 | 17 19 | 0 42 | 20 7 | 0 25 | 21 0 | 0 12 | 16 33 | 0 19 | 19 43 | 1 48 | 19 58 | 0 14 | 17 3 | 0 17 | 8 31 | 13 26 | 20 40 | 20 28 | 21 19 | 15 11 | 1 41 |
| T 21 | 19 49 | 7 6 | 5 4 | 16 46 | 1 0 | 20 23 | 0 23 | 21 9 | 0 13 | 16 33 | 0 19 | 19 45 | 1 47 | 19 58 | 0 14 | 17 3 | 0 17 | 8 31 | 13 25 | 20 42 | 20 29 | 21 20 | 15 13 | 1 41 |
| W22 | 20 2 | 11 53 | 4 48 | 16 16 | 1 17 | 20 39 | 0 21 | 21 17 | 0 13 | 16 32 | 0 19 | 19 46 | 1 47 | 19 59 | 0 14 | 17 2 | 0 17 | 8 32 | 13 25 | 20 44 | 20 29 | 21 20 | 15 15 | 1 41 |
| T 23 | 20 14 | 16 3 | 4 13 | 15 51 | 1 32 | 20 55 | 0 19 | 21 25 | 0 14 | 16 32 | 0 19 | 19 47 | 1 47 | 20 0 | 0 14 | 17 2 | 0 17 | 8 32 | 13 25 | 20 46 | 20 30 | 21 20 | 15 17 | 1 42 |
| F 24 | 20 26 | 19 14 | 3 20 | 15 30 | 1 44 | 21 10 | 0 16 | 21 32 | 0 15 | 16 32 | 0 20 | 19 48 | 1 47 | 20 1 | 0 14 | 17 2 | 0 17 | 8 33 | 13 25 | 20 47 | 20 30 | 21 21 | 15 19 | 1 42 |
| S 25 | 20 38 | 21 6 | 2 13 | 15 15 | 1 55 | 21 24 | 0 14 | 21 40 | 0 15 | 16 32 | 0 20 | 19 49 | 1 47 | 20 1 | 0 14 | 17 1 | 0 17 | 8 33 | 13 25 | 20 48 | 20 31 | 21 21 | 15 21 | 1 42 |
| S 26 | 20 50 | 21 28 | 0 57 | 15 5 | 2 4 | 21 38 | 0 11 | 21 47 | 0 16 | 16 31 | 0 20 | 19 50 | 1 47 | 20 2 | 0 14 | 17 1 | 0 17 | 8 34 | 13 25 | 20 48 | 20 32 | 21 22 | 15 23 | 1 43 |
| M27 | 21 1 | 20 22 | 0s22 | 14 59 | 2 12 | 21 51 | 0 9 | 21 54 | 0 16 | 16 31 | 0 20 | 19 52 | 1 47 | 20 3 | 0 14 | 17 1 | 0 17 | 8 34 | 13 25 | 20 48 | 20 32 | 21 22 | 15 25 | 1 43 |
| T 28 | 21 11 | 17 57 | 1 37 | 14 58 | 2 17 | 22 3 | 0 7 | 22 1 | 0 17 | 16 31 | 0 20 | 19 53 | 1 47 | 20 4 | 0 14 | 17 1 | 0 17 | 8 34 | 13 25 | 20 48 | 20 33 | 21 22 | 15 27 | 1 43 |
| W29 | 21 21 | 14 32 | 2 45 | 15 1 | 2 21 | 22 15 | 0 4 | 22 8 | 0 17 | 16 31 | 0 20 | 19 54 | 1 47 | 20 5 | 0 14 | 17 0 | 0 17 | 8 35 | 13 24 | 20 48 | 20 34 | 21 23 | 15 29 | 1 44 |
| T 30 | 21s31 | 10s24 | 3s42 | 15s 8 | 2n23 | 22s26 | 0n 2 | 22s15 | 0s18 | 16n31 | 0n21 | 19s55 | 1n47 | 20s 5 | 0n14 | 17s 0 | 0n17 | 8s35 | 13n24 | 20n48 | 20n34 | 21n23 | 15s31 | 1n44 |

Julian Day Number = 2811978.5, Delta T = 53m27s
Ecliptic obliquity = 23°18'37, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°33'16, Lahiri = 37°40'17


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# ASTRODIENST EPHEMERIS for the year 2986
# geocentric

## DECEMBER 2986 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 4 41 40 | 8♐58'58 | 25♓27 | 19♏55 | 16♐11 | 11♐33 | 15°R12 | 9♐ 6 | 1♐24 | 11♒26 | 10♐16 | 26°R 9 | 27♋21 | 9♋19 | 18♏26 | F 1 |
| S 2 | 4 45 37 | 9°59'21 | 8♈30 | 20°44 | 17°26 | 12°15 | 15♎12 | 9°14 | 1°28 | 11°27 | 10°19 | 26♋ 6 | 27°17 | 9°25 | 18°34 | S 2 |
| S 3 | 4 49 33 | 10°59'45 | 21°18 | 21°40 | 18°41 | 12°57 | 15°12 | 9°21 | 1°32 | 11°28 | 10°21 | 26° 0 | 27°14 | 9°32 | 18°42 | S 3 |
| M 4 | 4 53 30 | 12° 0'11 | 3♉53 | 22°41 | 19°56 | 13°40 | 15°11 | 9°28 | 1°35 | 11°30 | 10°23 | 25°53 | 27°11 | 9°38 | 18°50 | M 4 |
| T 5 | 4 57 26 | 13° 0'38 | 16°17 | 23°47 | 21°11 | 14°22 | 15°11 | 9°35 | 1°39 | 11°31 | 10°26 | 25°45 | 27° 8 | 9°45 | 18°58 | T 5 |
| W 6 | 5 1 23 | 14° 1'06 | 28°31 | 24°58 | 22°27 | 15° 5 | 15°10 | 9°42 | 1°43 | 11°32 | 10°28 | 25°36 | 27° 5 | 9°52 | 19° 6 | W 6 |
| T 7 | 5 5 20 | 15° 1'36 | 10♊36 | 26°12 | 23°42 | 15°47 | 15° 9 | 9°49 | 1°46 | 11°34 | 10°31 | 25°29 | 27° 1 | 9°58 | 19°14 | T 7 |
| F 8 | 5 9 16 | 16° 2'08 | 22°33 | 27°29 | 24°57 | 16°30 | 15° 8 | 9°57 | 1°50 | 11°35 | 10°33 | 25°23 | 26°58 | 10° 5 | 19°22 | F 8 |
| S 9 | 5 13 13 | 17° 2'40 | 4♋25 | 28°48 | 26°12 | 17°13 | 15° 6 | 10° 4 | 1°54 | 11°37 | 10°35 | 25°19 | 26°55 | 10°12 | 19°30 | S 9 |
| S 10 | 5 17 9 | 18° 3'15 | 16°13 | 0♑10 | 27°28 | 17°55 | 15° 5 | 10°11 | 1°57 | 11°38 | 10°38 | 25°17 | 26°52 | 10°18 | 19°38 | S 10 |
| M11 | 5 21 6 | 19° 3'50 | 27°59 | 1°33 | 28°43 | 18°38 | 15° 3 | 10°18 | 2° 1 | 11°40 | 10°40 | 25°D16 | 26°49 | 10°25 | 19°46 | M11 |
| T 12 | 5 25 2 | 20° 4'28 | 9♎48 | 2°59 | 29°58 | 19°21 | 15° 1 | 10°25 | 2° 5 | 11°41 | 10°43 | 25°17 | 26°46 | 10°32 | 19°54 | T 12 |
| W13 | 5 28 59 | 21° 5'07 | 21°42 | 4°25 | 1♏13 | 20° 4 | 14°59 | 10°32 | 2° 8 | 11°43 | 10°45 | 25°19 | 26°42 | 10°38 | 20° 1 | W13 |
| T 14 | 5 32 55 | 22° 5'47 | 3♍47 | 5°53 | 2°28 | 20°47 | 14°56 | 10°39 | 2°12 | 11°45 | 10°47 | 25°21 | 26°39 | 10°45 | 20° 9 | T 14 |
| F 15 | 5 36 52 | 23° 6'29 | 16° 7 | 7°21 | 3°44 | 21°30 | 14°54 | 10°47 | 2°16 | 11°46 | 10°50 | 25°22 | 26°36 | 10°52 | 20°17 | F 15 |
| S 16 | 5 40 49 | 24° 7'12 | 28°46 | 8°51 | 4°59 | 22°13 | 14°51 | 10°54 | 2°19 | 11°48 | 10°52 | 25°R22 | 26°33 | 10°58 | 20°24 | S 16 |
| S 17 | 5 44 45 | 25° 7'57 | 11♎49 | 10°20 | 6°14 | 22°56 | 14°48 | 11° 1 | 2°23 | 11°50 | 10°54 | 25°21 | 26°30 | 11° 5 | 20°32 | S 17 |
| M18 | 5 48 42 | 26° 8'43 | 25°20 | 11°51 | 7°29 | 23°39 | 14°45 | 11° 8 | 2°26 | 11°51 | 10°57 | 25°18 | 26°26 | 11°12 | 20°40 | M18 |
| T 19 | 5 52 38 | 27° 9'31 | 9♏20 | 13°22 | 8°45 | 24°22 | 14°42 | 11°15 | 2°30 | 11°53 | 10°59 | 25°15 | 26°23 | 11°18 | 20°47 | T 19 |
| W20 | 5 56 35 | 28°10'20 | 23°47 | 14°53 | 10° 0 | 25° 5 | 14°38 | 11°22 | 2°33 | 11°55 | 11° 1 | 25°10 | 26°20 | 11°25 | 20°55 | W20 |
| T 21 | 6 0 31 | 29°11'10 | 8♐38 | 16°25 | 11°15 | 25°49 | 14°34 | 11°29 | 2°37 | 11°57 | 11° 4 | 25° 7 | 26°17 | 11°32 | 21° 2 | T 21 |
| F 22 | 6 4 28 | 0♑12'02 | 23°45 | 17°57 | 12°30 | 26°32 | 14°30 | 11°36 | 2°40 | 11°58 | 11° 6 | 25° 3 | 26°14 | 11°38 | 21° 9 | F 22 |
| S 23 | 6 8 24 | 1°12'55 | 8♑58 | 19°29 | 13°46 | 27°15 | 14°26 | 11°43 | 2°44 | 12° 0 | 11° 8 | 25° 1 | 26°11 | 11°45 | 21°17 | S 23 |
| S 24 | 6 12 21 | 2°13'48 | 24° 9 | 21° 1 | 15° 1 | 27°59 | 14°22 | 11°50 | 2°47 | 12° 2 | 11°10 | 25°D 1 | 26° 7 | 11°51 | 21°24 | S 24 |
| M25 | 6 16 18 | 3°14'43 | 9♒ 7 | 22°34 | 16°16 | 28°42 | 14°18 | 11°56 | 2°50 | 12° 4 | 11°13 | 25° 1 | 26° 4 | 11°58 | 21°31 | M25 |
| T 26 | 6 20 14 | 4°15'38 | 23°45 | 24° 6 | 17°31 | 29°26 | 14°13 | 12° 3 | 2°54 | 12° 6 | 11°15 | 25° 2 | 26° 1 | 12° 5 | 21°38 | T 26 |
| W27 | 6 24 11 | 5°16'34 | 8♓ 0 | 25°39 | 18°47 | 0♑10 | 14° 8 | 12°10 | 2°57 | 12° 8 | 11°17 | 25° 4 | 25°58 | 12°11 | 21°45 | W27 |
| T 28 | 6 28 7 | 6°17'31 | 21°49 | 27°12 | 20° 2 | 0°53 | 14° 3 | 12°17 | 3° 0 | 12°10 | 11°19 | 25° 5 | 25°55 | 12°18 | 21°52 | T 28 |
| F 29 | 6 32 4 | 7°18'27 | 5♈12 | 28°45 | 21°17 | 1°37 | 13°58 | 12°24 | 3° 4 | 12°11 | 11°22 | 25°R 6 | 25°52 | 12°25 | 21°59 | F 29 |
| S 30 | 6 36 0 | 8°19'25 | 18°14 | 0♑18 | 22°32 | 2°21 | 13°53 | 12°30 | 3° 7 | 12°13 | 11°24 | 25° 5 | 25°48 | 12°31 | 22° 6 | S 30 |
| S 31 | 6 39 57 | 9♑20'23 | 0♉55 | 1♑51 | 23♑48 | 3♑ 4 | 13♎47 | 12♐37 | 3♐10 | 12♒15 | 11♐26 | 25♋ 4 | 25♋45 | 12♋38 | 22♏13 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 21s41 | 5s52 | 4s26 | 15s19 | 2n24 | 22s36 | 0s 1 | 22s21 | 0s19 | 16n31 | 0n21 | 19s56 | 1n47 | 20s 6 | 0n14 | 17s 0 | 0n17 | 8s36 | 13n24 | 20n48 | 20n35 | 21n24 | 15s33 | 1n45 | F 1 |
| S 2 | 21 50 | 1 10 | 4 54 | 15 32 | 2 23 | 22 46 | 0 3 | 22 27 | 0 19 | 16 32 | 0 21 | 19 57 | 1 47 | 20 7 | 0 14 | 16 59 | 0 17 | 8 36 | 13 24 | 20 49 | 20 35 | 21 24 | 15 34 | 1 45 | S 2 |
| S 3 | 21 58 | 3n30 | 5 8 | 15 48 | 2 22 | 22 55 | 0 5 | 22 33 | 0 20 | 16 32 | 0 21 | 19 58 | 1 47 | 20 8 | 0 14 | 16 59 | 0 17 | 8 36 | 13 24 | 20 50 | 20 36 | 21 24 | 15 36 | 1 45 | S 3 |
| M 4 | 22 6 | 7 57 | 5 6 | 16 6 | 2 19 | 23 4 | 0 8 | 22 39 | 0 20 | 16 32 | 0 21 | 19 59 | 1 47 | 20 8 | 0 14 | 16 59 | 0 16 | 8 37 | 13 24 | 20 51 | 20 37 | 21 25 | 15 38 | 1 46 | M 4 |
| T 5 | 22 14 | 12 0 | 4 49 | 16 25 | 2 16 | 23 11 | 0 10 | 22 45 | 0 21 | 16 32 | 0 21 | 20 1 | 1 47 | 20 9 | 0 14 | 16 58 | 0 16 | 8 37 | 13 24 | 20 53 | 20 37 | 21 25 | 15 40 | 1 46 | T 5 |
| W 6 | 22 22 | 15 30 | 4 20 | 16 46 | 2 12 | 23 19 | 0 13 | 22 50 | 0 21 | 16 33 | 0 22 | 20 2 | 1 47 | 20 10 | 0 14 | 16 58 | 0 16 | 8 37 | 13 24 | 20 54 | 20 38 | 21 25 | 15 42 | 1 46 | W 6 |
| T 7 | 22 28 | 18 18 | 3 39 | 17 8 | 2 8 | 23 25 | 0 15 | 22 55 | 0 22 | 16 33 | 0 22 | 20 3 | 1 47 | 20 11 | 0 14 | 16 58 | 0 16 | 8 38 | 13 24 | 20 56 | 20 38 | 21 26 | 15 44 | 1 47 | T 7 |
| F 8 | 22 35 | 20 18 | 2 49 | 17 30 | 2 3 | 23 30 | 0 18 | 23 0 | 0 23 | 16 34 | 0 22 | 20 4 | 1 47 | 20 11 | 0 14 | 16 57 | 0 16 | 8 38 | 13 24 | 20 57 | 20 39 | 21 26 | 15 45 | 1 47 | F 8 |
| S 9 | 22 41 | 21 23 | 1 51 | 17 53 | 1 57 | 23 35 | 0 20 | 23 5 | 0 23 | 16 34 | 0 22 | 20 5 | 1 47 | 20 12 | 0 14 | 16 57 | 0 16 | 8 38 | 13 24 | 20 58 | 20 40 | 21 26 | 15 47 | 1 48 | S 9 |
| S 10 | 22 47 | 21 31 | 0 49 | 18 16 | 1 51 | 23 40 | 0 22 | 23 10 | 0 24 | 16 35 | 0 22 | 20 6 | 1 47 | 20 13 | 0 14 | 16 56 | 0 16 | 8 39 | 13 24 | 20 58 | 20 40 | 21 27 | 15 49 | 1 48 | S 10 |
| M11 | 22 52 | 20 42 | 0n15 | 18 39 | 1 45 | 23 43 | 0 25 | 23 14 | 0 24 | 16 36 | 0 23 | 20 7 | 1 47 | 20 13 | 0 14 | 16 56 | 0 16 | 8 39 | 13 24 | 20 58 | 20 41 | 21 27 | 15 51 | 1 48 | M11 |
| T 12 | 22 56 | 18 58 | 1 19 | 19 2 | 1 38 | 23 46 | 0 27 | 23 18 | 0 25 | 16 36 | 0 23 | 20 8 | 1 47 | 20 14 | 0 14 | 16 56 | 0 16 | 8 39 | 13 24 | 20 58 | 20 41 | 21 27 | 15 52 | 1 49 | T 12 |
| W13 | 23 1 | 16 24 | 2 20 | 19 25 | 1 31 | 23 48 | 0 29 | 23 22 | 0 25 | 16 37 | 0 23 | 20 9 | 1 47 | 20 15 | 0 14 | 16 55 | 0 16 | 8 40 | 13 24 | 20 58 | 20 42 | 21 28 | 15 54 | 1 49 | W13 |
| T 14 | 23 5 | 13 6 | 3 15 | 19 47 | 1 24 | 23 49 | 0 32 | 23 25 | 0 26 | 16 38 | 0 23 | 20 10 | 1 47 | 20 16 | 0 14 | 16 55 | 0 16 | 8 40 | 13 24 | 20 57 | 20 43 | 21 28 | 15 56 | 1 50 | T 14 |
| F 15 | 23 8 | 9 11 | 4 3 | 20 9 | 1 17 | 23 50 | 0 34 | 23 29 | 0 27 | 16 39 | 0 23 | 20 11 | 1 47 | 20 16 | 0 14 | 16 54 | 0 16 | 8 40 | 13 24 | 20 57 | 20 43 | 21 28 | 15 57 | 1 50 | F 15 |
| S 16 | 23 11 | 4 47 | 4 41 | 20 30 | 1 10 | 23 49 | 0 36 | 23 32 | 0 27 | 16 40 | 0 23 | 20 12 | 1 47 | 20 17 | 0 14 | 16 54 | 0 16 | 8 41 | 13 24 | 20 57 | 20 44 | 21 29 | 15 59 | 1 50 | S 16 |
| S 17 | 23 13 | 0 2 | 5 5 | 20 51 | 1 3 | 23 49 | 0 39 | 23 35 | 0 28 | 16 41 | 0 24 | 20 13 | 1 47 | 20 18 | 0 14 | 16 53 | 0 16 | 8 41 | 13 24 | 20 57 | 20 44 | 21 29 | 16 0 | 1 51 | S 17 |
| M18 | 23 15 | 4s52 | 5 14 | 21 10 | 0 55 | 23 47 | 0 41 | 23 38 | 0 28 | 16 42 | 0 24 | 20 14 | 1 47 | 20 18 | 0 14 | 16 53 | 0 16 | 8 41 | 13 24 | 20 58 | 20 45 | 21 29 | 16 2 | 1 51 | M18 |
| T 19 | 23 17 | 9 42 | 5 5 | 21 29 | 0 48 | 23 45 | 0 43 | 23 40 | 0 29 | 16 43 | 0 24 | 20 15 | 1 47 | 20 19 | 0 14 | 16 52 | 0 16 | 8 41 | 13 24 | 20 58 | 20 46 | 21 30 | 16 4 | 1 52 | T 19 |
| W20 | 23 18 | 14 9 | 4 36 | 21 47 | 0 41 | 23 41 | 0 45 | 23 42 | 0 29 | 16 45 | 0 24 | 20 16 | 1 47 | 20 20 | 0 14 | 16 52 | 0 16 | 8 41 | 13 24 | 20 59 | 20 46 | 21 30 | 16 5 | 1 52 | W20 |
| T 21 | 23 18 | 17 52 | 3 48 | 22 4 | 0 33 | 23 38 | 0 48 | 23 45 | 0 30 | 16 46 | 0 24 | 20 17 | 1 47 | 20 21 | 0 14 | 16 51 | 0 16 | 8 42 | 13 24 | 21 0 | 20 47 | 21 30 | 16 7 | 1 52 | T 21 |
| F 22 | 23 19 | 20 26 | 2 44 | 22 20 | 0 26 | 23 33 | 0 50 | 23 46 | 0 30 | 16 47 | 0 25 | 20 18 | 1 47 | 20 21 | 0 14 | 16 51 | 0 16 | 8 42 | 13 24 | 21 0 | 20 47 | 21 31 | 16 8 | 1 53 | F 22 |
| S 23 | 23 18 | 21 33 | 1 27 | 22 35 | 0 18 | 23 28 | 0 52 | 23 48 | 0 31 | 16 48 | 0 25 | 20 18 | 1 47 | 20 22 | 0 14 | 16 51 | 0 16 | 8 42 | 13 24 | 21 1 | 20 48 | 21 31 | 16 10 | 1 53 | S 23 |
| S 24 | 23 17 | 21 5 | 0 5 | 22 49 | 0 11 | 23 22 | 0 54 | 23 49 | 0 32 | 16 50 | 0 25 | 20 19 | 1 47 | 20 23 | 0 14 | 16 50 | 0 16 | 8 42 | 13 25 | 21 1 | 20 49 | 21 31 | 16 11 | 1 54 | S 24 |
| M25 | 23 16 | 19 7 | 1s17 | 23 2 | 0 4 | 23 15 | 0 56 | 23 50 | 0 32 | 16 51 | 0 25 | 20 20 | 1 47 | 20 23 | 0 14 | 16 50 | 0 16 | 8 43 | 13 25 | 21 1 | 20 49 | 21 31 | 16 12 | 1 54 | M25 |
| T 26 | 23 15 | 15 56 | 2 32 | 23 14 | 0s 3 | 23 8 | 0 58 | 23 51 | 0 33 | 16 53 | 0 25 | 20 21 | 1 47 | 20 24 | 0 14 | 16 49 | 0 16 | 8 43 | 13 25 | 21 1 | 20 50 | 21 32 | 16 14 | 1 55 | T 26 |
| W27 | 23 12 | 11 52 | 3 36 | 23 25 | 0 10 | 23 0 | 1 0 | 23 52 | 0 33 | 16 54 | 0 25 | 20 22 | 1 47 | 20 24 | 0 14 | 16 49 | 0 16 | 8 43 | 13 25 | 21 0 | 20 50 | 21 32 | 16 15 | 1 55 | W27 |
| T 28 | 23 10 | 7 17 | 4 25 | 23 34 | 0 17 | 22 51 | 1 2 | 23 52 | 0 34 | 16 56 | 0 26 | 20 23 | 1 47 | 20 25 | 0 14 | 16 48 | 0 16 | 8 43 | 13 25 | 21 0 | 20 51 | 21 32 | 16 17 | 1 55 | T 28 |
| F 29 | 23 7 | 2 30 | 4 58 | 23 42 | 0 24 | 22 41 | 1 4 | 23 52 | 0 34 | 16 58 | 0 26 | 20 24 | 1 47 | 20 26 | 0 14 | 16 47 | 0 16 | 8 43 | 13 25 | 21 0 | 20 52 | 21 32 | 16 18 | 1 56 | F 29 |
| S 30 | 23 3 | 2n16 | 5 14 | 23 49 | 0 31 | 22 31 | 1 6 | 23 52 | 0 35 | 16 59 | 0 26 | 20 25 | 1 47 | 20 26 | 0 14 | 16 47 | 0 16 | 8 43 | 13 25 | 21 0 | 20 52 | 21 33 | 16 19 | 1 56 | S 30 |
| S 31 | 22s59 | 6n48 | 5s15 | 23s55 | 0s37 | 22s20 | 1s 7 | 23s52 | 0s35 | 17n 1 | 0n26 | 20s25 | 1n47 | 20s27 | 0n14 | 16s46 | 0n16 | 8s43 | 13n25 | 21n 0 | 20n53 | 21n33 | 16s21 | 1n57 | S 31 |

Julian Day Number = 2812008.5, Delta T = 53m27s
Ecliptic obliquity = 23°18'37, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°33'21, Lahiri = 37°40'21


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# ASTRODIENST EPHEMERIS for the year 2987
# geocentric

## JANUARY 2987 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 6 43 53 | 10♑21'21 | 13♉20 | 3♑24 | 25♑ 3 | 3♑48 | 13°R42 | 12♐44 | 3♐13 | 12♒17 | 11♐28 | 25°R 2 | 25♋42 | 12♋45 | 22♏20 | M 1 |
| T 2 | 6 47 50 | 11°22'20 | 25°32 | 4°58 | 26°18 | 4°32 | 13♌36 | 12°50 | 3°17 | 12°19 | 11°30 | 25♋ 0 | 25°39 | 12°51 | 22°26 | T 2 |
| W 3 | 6 51 47 | 12°23'20 | 7♊34 | 6°31 | 27°33 | 5°16 | 13°30 | 12°57 | 3°20 | 12°21 | 11°33 | 24°58 | 25°36 | 12°58 | 22°33 | W 3 |
| T 4 | 6 55 43 | 13°24'19 | 19°30 | 8° 5 | 28°48 | 6° 0 | 13°24 | 13° 4 | 3°23 | 12°23 | 11°35 | 24°56 | 25°33 | 13° 5 | 22°39 | T 4 |
| F 5 | 6 59 40 | 14°25'20 | 1♋20 | 9°39 | 0♒ 4 | 6°44 | 13°18 | 13°10 | 3°26 | 12°25 | 11°37 | 24°55 | 25°29 | 13°11 | 22°46 | F 5 |
| S 6 | 7 3 36 | 15°26'21 | 13° 8 | 11°13 | 1°19 | 7°28 | 13°12 | 13°17 | 3°29 | 12°28 | 11°39 | 24°54 | 25°26 | 13°18 | 22°52 | S 6 |
| S 7 | 7 7 33 | 16°27'22 | 24°57 | 12°47 | 2°34 | 8°12 | 13° 5 | 13°23 | 3°32 | 12°30 | 11°41 | 24°D54 | 25°23 | 13°25 | 22°59 | S 7 |
| M 8 | 7 11 29 | 17°28'24 | 6♌46 | 14°22 | 3°49 | 8°56 | 12°59 | 13°29 | 3°35 | 12°32 | 11°43 | 24°54 | 25°20 | 13°31 | 23° 5 | M 8 |
| T 9 | 7 15 26 | 18°29'27 | 18°41 | 15°56 | 5° 4 | 9°41 | 12°52 | 13°36 | 3°38 | 12°34 | 11°45 | 24°55 | 25°17 | 13°38 | 23°11 | T 9 |
| W10 | 7 19 23 | 19°30'30 | 0♍41 | 17°31 | 6°20 | 10°25 | 12°45 | 13°42 | 3°41 | 12°36 | 11°47 | 24°55 | 25°13 | 13°45 | 23°17 | W10 |
| T 11 | 7 23 19 | 20°31'33 | 12°52 | 19° 6 | 7°35 | 11° 9 | 12°38 | 13°48 | 3°44 | 12°38 | 11°49 | 24°56 | 25°10 | 13°51 | 23°23 | T 11 |
| F 12 | 7 27 16 | 21°32'37 | 25°15 | 20°42 | 8°50 | 11°53 | 12°31 | 13°54 | 3°46 | 12°40 | 11°51 | 24°56 | 25° 7 | 13°58 | 23°29 | F 12 |
| S 13 | 7 31 12 | 22°33'42 | 7♎54 | 22°17 | 10° 5 | 12°38 | 12°24 | 14° 1 | 3°49 | 12°42 | 11°53 | 24°57 | 25° 4 | 14° 4 | 23°35 | S 13 |
| S 14 | 7 35 9 | 23°34'47 | 20°53 | 23°53 | 11°20 | 13°22 | 12°17 | 14° 7 | 3°52 | 12°45 | 11°55 | 24°R57 | 25° 1 | 14°11 | 23°41 | S 14 |
| M15 | 7 39 5 | 24°35'53 | 4♏14 | 25°30 | 12°35 | 14° 7 | 12° 9 | 14°13 | 3°55 | 12°47 | 11°57 | 24°D57 | 24°58 | 14°18 | 23°47 | M15 |
| T 16 | 7 43 2 | 25°36'59 | 18° 1 | 27° 6 | 13°50 | 14°51 | 12° 2 | 14°19 | 3°57 | 12°49 | 11°59 | 24°57 | 24°54 | 14°24 | 23°52 | T 16 |
| W17 | 7 46 58 | 26°38'06 | 2♐13 | 28°43 | 15° 6 | 15°36 | 11°54 | 14°25 | 4° 0 | 12°51 | 12° 1 | 24°57 | 24°51 | 14°31 | 23°58 | W17 |
| T 18 | 7 50 55 | 27°39'13 | 16°48 | 0♒20 | 16°21 | 16°21 | 11°47 | 14°31 | 4° 3 | 12°53 | 12° 2 | 24°57 | 24°48 | 14°38 | 24° 3 | T 18 |
| F 19 | 7 54 52 | 28°40'20 | 1♑43 | 1°58 | 17°36 | 17° 5 | 11°39 | 14°37 | 4° 5 | 12°56 | 12° 4 | 24°57 | 24°45 | 14°44 | 24° 9 | F 19 |
| S 20 | 7 58 48 | 29°41'28 | 16°51 | 3°36 | 18°51 | 17°50 | 11°31 | 14°42 | 4° 8 | 12°58 | 12° 6 | 24°58 | 24°42 | 14°51 | 24°14 | S 20 |
| S 21 | 8 2 45 | 0♒42'36 | 2♒ 2 | 5°14 | 20° 6 | 18°35 | 11°24 | 14°48 | 4°10 | 13° 0 | 12° 8 | 24°R58 | 24°39 | 14°58 | 24°19 | S 21 |
| M22 | 8 6 41 | 1°43'44 | 17° 8 | 6°53 | 21°21 | 19°20 | 11°16 | 14°54 | 4°13 | 13° 2 | 12°10 | 24°57 | 24°35 | 15° 4 | 24°24 | M22 |
| T 23 | 8 10 38 | 2°44'51 | 1♓58 | 8°32 | 22°36 | 20° 4 | 11° 8 | 14°59 | 4°15 | 13° 4 | 12°11 | 24°57 | 24°32 | 15°11 | 24°29 | T 23 |
| W24 | 8 14 34 | 3°45'59 | 16°27 | 10°11 | 23°51 | 20°49 | 11° 0 | 15° 5 | 4°17 | 13° 7 | 12°13 | 24°56 | 24°29 | 15°18 | 24°34 | W24 |
| T 25 | 8 18 31 | 4°47'05 | 0♈30 | 11°51 | 25° 6 | 21°34 | 10°52 | 15°10 | 4°20 | 13° 9 | 12°15 | 24°54 | 24°26 | 15°24 | 24°39 | T 25 |
| F 26 | 8 22 27 | 5°48'12 | 14° 4 | 13°31 | 26°21 | 22°19 | 10°44 | 15°16 | 4°22 | 13°11 | 12°16 | 24°53 | 24°23 | 15°31 | 24°44 | F 26 |
| S 27 | 8 26 24 | 6°49'18 | 27°12 | 15°11 | 27°36 | 23° 4 | 10°36 | 15°21 | 4°24 | 13°14 | 12°18 | 24°53 | 24°19 | 15°37 | 24°48 | S 27 |
| S 28 | 8 30 21 | 7°50'23 | 9♉56 | 16°51 | 28°51 | 23°49 | 10°28 | 15°27 | 4°26 | 13°16 | 12°19 | 24°D52 | 24°16 | 15°44 | 24°53 | S 28 |
| M29 | 8 34 17 | 8°51'28 | 22°20 | 18°32 | 0♓ 6 | 24°34 | 10°20 | 15°32 | 4°29 | 13°18 | 12°21 | 24°53 | 24°13 | 15°51 | 24°57 | M29 |
| T 30 | 8 38 14 | 9°52'32 | 4♊28 | 20°12 | 1°21 | 25°20 | 10°12 | 15°37 | 4°31 | 13°20 | 12°22 | 24°54 | 24°10 | 15°57 | 25° 2 | T 30 |
| W31 | 8 42 10 | 10♒53'36 | 16♊25 | 21♒53 | 2♓36 | 26♑ 5 | 10♌ 4 | 15♐42 | 4♐33 | 13♒23 | 12♐24 | 24♋55 | 24♋ 7 | 16♋ 4 | 25♏ 6 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s55 | 10n58 | 5s 1 | 23s59 | 0s44 | 22s 9 | 1s 9 | 23s51 | 0s36 | 17n 3 | 0n26 | 20s26 | 1n47 | 20s28 | 0n14 | 16s46 | 0n16 | 8s44 | 13n26 | 21n 1 | 20n53 | 21n33 | 16s22 | 1n57 |
| T 2 | 22 50 | 14 37 | 4 33 | 24 3 | 0 50 | 21 56 | 1 11 | 23 50 | 0 36 | 17 5 | 0 27 | 20 27 | 1 47 | 20 28 | 0 14 | 16 45 | 0 16 | 8 44 | 13 26 | 21 1 | 20 54 | 21 33 | 16 23 | 1 58 |
| W 3 | 22 44 | 17 37 | 3 53 | 24 5 | 0 56 | 21 43 | 1 13 | 23 49 | 0 37 | 17 6 | 0 27 | 20 28 | 1 47 | 20 29 | 0 14 | 16 45 | 0 16 | 8 44 | 13 26 | 21 1 | 20 55 | 21 34 | 16 24 | 1 58 |
| T 4 | 22 38 | 19 50 | 3 4 | 24 5 | 1 2 | 21 30 | 1 14 | 23 48 | 0 37 | 17 8 | 0 27 | 20 29 | 1 47 | 20 29 | 0 14 | 16 44 | 0 16 | 8 44 | 13 26 | 21 2 | 20 55 | 21 34 | 16 25 | 1 59 |
| F 5 | 22 32 | 21 11 | 2 7 | 24 5 | 1 7 | 21 16 | 1 16 | 23 46 | 0 38 | 17 10 | 0 27 | 20 29 | 1 47 | 20 30 | 0 14 | 16 44 | 0 16 | 8 44 | 13 26 | 21 2 | 20 56 | 21 34 | 16 27 | 1 59 |
| S 6 | 22 25 | 21 35 | 1 5 | 24 3 | 1 13 | 21 1 | 1 17 | 23 45 | 0 39 | 17 12 | 0 27 | 20 30 | 1 47 | 20 31 | 0 14 | 16 43 | 0 16 | 8 44 | 13 26 | 21 2 | 20 56 | 21 34 | 16 28 | 2 0 |
| S 7 | 22 18 | 21 2 | 0n 0 | 24 0 | 1 18 | 20 46 | 1 19 | 23 42 | 0 39 | 17 14 | 0 27 | 20 31 | 1 47 | 20 31 | 0 14 | 16 43 | 0 16 | 8 44 | 13 27 | 21 2 | 20 57 | 21 34 | 16 29 | 2 0 |
| M 8 | 22 11 | 19 32 | 1 6 | 23 55 | 1 23 | 20 29 | 1 20 | 23 40 | 0 40 | 17 16 | 0 28 | 20 31 | 1 47 | 20 32 | 0 14 | 16 42 | 0 16 | 8 44 | 13 27 | 21 2 | 20 57 | 21 35 | 16 30 | 2 1 |
| T 9 | 22 2 | 17 11 | 2 8 | 23 50 | 1 28 | 20 13 | 1 21 | 23 38 | 0 40 | 17 18 | 0 28 | 20 32 | 1 47 | 20 32 | 0 14 | 16 41 | 0 16 | 8 44 | 13 27 | 21 2 | 20 58 | 21 35 | 16 31 | 2 1 |
| W10 | 21 54 | 14 4 | 3 6 | 23 42 | 1 33 | 19 56 | 1 23 | 23 35 | 0 41 | 17 20 | 0 28 | 20 33 | 1 47 | 20 33 | 0 14 | 16 41 | 0 16 | 8 44 | 13 27 | 21 2 | 20 59 | 21 35 | 16 32 | 2 1 |
| T 11 | 21 45 | 10 20 | 3 56 | 23 34 | 1 37 | 19 38 | 1 24 | 23 32 | 0 41 | 17 22 | 0 28 | 20 34 | 1 47 | 20 33 | 0 14 | 16 40 | 0 16 | 8 44 | 13 27 | 21 2 | 20 59 | 21 35 | 16 33 | 2 2 |
| F 12 | 21 36 | 6 7 | 4 37 | 23 24 | 1 42 | 19 19 | 1 25 | 23 28 | 0 42 | 17 25 | 0 28 | 20 34 | 1 47 | 20 34 | 0 14 | 16 40 | 0 16 | 8 44 | 13 28 | 21 2 | 21 0 | 21 35 | 16 34 | 2 2 |
| S 13 | 21 26 | 1 33 | 5 4 | 23 13 | 1 45 | 19 1 | 1 26 | 23 25 | 0 42 | 17 27 | 0 28 | 20 35 | 1 47 | 20 34 | 0 14 | 16 39 | 0 16 | 8 44 | 13 28 | 21 2 | 21 0 | 21 36 | 16 35 | 2 3 |
| S 14 | 21 16 | 3s12 | 5 17 | 23 0 | 1 49 | 18 41 | 1 27 | 23 21 | 0 43 | 17 29 | 0 29 | 20 36 | 1 47 | 20 35 | 0 14 | 16 38 | 0 16 | 8 44 | 13 28 | 21 2 | 21 1 | 21 36 | 16 36 | 2 3 |
| M15 | 21 5 | 7 56 | 5 14 | 22 46 | 1 53 | 18 21 | 1 28 | 23 17 | 0 43 | 17 31 | 0 29 | 20 36 | 1 47 | 20 35 | 0 14 | 16 38 | 0 16 | 8 44 | 13 28 | 21 2 | 21 1 | 21 36 | 16 37 | 2 4 |
| T 16 | 20 54 | 12 25 | 4 53 | 22 31 | 1 56 | 18 1 | 1 29 | 23 13 | 0 44 | 17 33 | 0 29 | 20 37 | 1 48 | 20 36 | 0 14 | 16 37 | 0 16 | 8 44 | 13 28 | 21 2 | 21 2 | 21 36 | 16 38 | 2 4 |
| W17 | 20 43 | 16 21 | 4 13 | 22 14 | 1 58 | 17 40 | 1 30 | 23 8 | 0 44 | 17 36 | 0 29 | 20 37 | 1 48 | 20 36 | 0 14 | 16 37 | 0 16 | 8 44 | 13 29 | 21 2 | 21 3 | 21 36 | 16 39 | 2 5 |
| T 18 | 20 31 | 19 24 | 3 17 | 21 56 | 2 1 | 17 18 | 1 31 | 23 3 | 0 45 | 17 38 | 0 29 | 20 38 | 1 48 | 20 37 | 0 14 | 16 36 | 0 16 | 8 44 | 13 29 | 21 1 | 21 3 | 21 36 | 16 39 | 2 5 |
| F 19 | 20 19 | 21 12 | 2 6 | 21 37 | 2 3 | 16 56 | 1 32 | 22 58 | 0 45 | 17 40 | 0 29 | 20 39 | 1 48 | 20 37 | 0 14 | 16 35 | 0 16 | 8 44 | 13 29 | 21 1 | 21 4 | 21 37 | 16 40 | 2 6 |
| S 20 | 20 6 | 21 31 | 0 45 | 21 16 | 2 5 | 16 34 | 1 32 | 22 53 | 0 46 | 17 42 | 0 29 | 20 39 | 1 48 | 20 38 | 0 14 | 16 35 | 0 16 | 8 44 | 13 30 | 21 1 | 21 4 | 21 37 | 16 41 | 2 7 |
| S 21 | 19 53 | 20 14 | 0s39 | 20 54 | 2 6 | 16 11 | 1 33 | 22 48 | 0 46 | 17 45 | 0 30 | 20 40 | 1 48 | 20 38 | 0 14 | 16 34 | 0 16 | 8 44 | 13 30 | 21 1 | 21 5 | 21 37 | 16 42 | 2 7 |
| M22 | 19 40 | 17 32 | 2 0 | 20 30 | 2 7 | 15 47 | 1 34 | 22 42 | 0 47 | 17 47 | 0 30 | 20 40 | 1 48 | 20 39 | 0 14 | 16 34 | 0 16 | 8 44 | 13 30 | 21 1 | 21 5 | 21 37 | 16 42 | 2 8 |
| T 23 | 19 26 | 13 42 | 3 12 | 20 5 | 2 8 | 15 23 | 1 34 | 22 36 | 0 47 | 17 49 | 0 30 | 20 41 | 1 48 | 20 39 | 0 14 | 16 33 | 0 16 | 8 44 | 13 30 | 21 2 | 21 6 | 21 37 | 16 43 | 2 8 |
| W24 | 19 12 | 9 9 | 4 9 | 19 39 | 2 8 | 14 59 | 1 35 | 22 30 | 0 48 | 17 52 | 0 30 | 20 41 | 1 48 | 20 40 | 0 14 | 16 32 | 0 16 | 8 44 | 13 31 | 21 2 | 21 6 | 21 37 | 16 44 | 2 9 |
| T 25 | 18 58 | 4 14 | 4 49 | 19 12 | 2 8 | 14 35 | 1 35 | 22 23 | 0 48 | 17 54 | 0 30 | 20 42 | 1 48 | 20 40 | 0 14 | 16 32 | 0 16 | 8 44 | 13 31 | 21 2 | 21 7 | 21 37 | 16 44 | 2 9 |
| F 26 | 18 43 | 0n43 | 5 12 | 18 43 | 2 7 | 14 9 | 1 35 | 22 16 | 0 49 | 17 56 | 0 30 | 20 42 | 1 48 | 20 40 | 0 14 | 16 31 | 0 16 | 8 44 | 13 31 | 21 2 | 21 8 | 21 37 | 16 45 | 2 10 |
| S 27 | 18 28 | 5 29 | 5 17 | 18 13 | 2 6 | 13 44 | 1 35 | 22 9 | 0 49 | 17 58 | 0 30 | 20 43 | 1 48 | 20 41 | 0 14 | 16 30 | 0 16 | 8 44 | 13 32 | 21 2 | 21 8 | 21 38 | 16 46 | 2 10 |
| S 28 | 18 13 | 9 51 | 5 7 | 17 41 | 2 5 | 13 18 | 1 36 | 22 2 | 0 50 | 18 1 | 0 31 | 20 43 | 1 49 | 20 41 | 0 14 | 16 30 | 0 16 | 8 44 | 13 32 | 21 2 | 21 9 | 21 38 | 16 46 | 2 11 |
| M29 | 17 57 | 13 42 | 4 42 | 17 8 | 2 3 | 12 52 | 1 36 | 21 55 | 0 50 | 18 3 | 0 31 | 20 44 | 1 49 | 20 42 | 0 14 | 16 29 | 0 16 | 8 43 | 13 32 | 21 2 | 21 9 | 21 38 | 16 47 | 2 11 |
| T 30 | 17 41 | 16 54 | 4 5 | 16 34 | 2 0 | 12 26 | 1 36 | 21 47 | 0 51 | 18 5 | 0 31 | 20 44 | 1 49 | 20 42 | 0 14 | 16 29 | 0 16 | 8 43 | 13 32 | 21 2 | 21 10 | 21 38 | 16 47 | 2 12 |
| W31 | 17s24 | 19n20 | 3s18 | 15s59 | 1s57 | 11s59 | 1s35 | 21s39 | 0s51 | 18n 8 | 0n31 | 20s45 | 1n49 | 20s42 | 0n14 | 16s28 | 0n16 | 8s43 | 13n33 | 21n 2 | 21n10 | 21n38 | 16s48 | 2n12 |

Julian Day Number = 2812039.5, Delta T = 53m28s
Ecliptic obliquity = 23°18'37, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°33'25, Lahiri = 37°40'25


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# ASTRODIENST EPHEMERIS for the year 2987
# geocentric

## FEBRUARY 2987 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 46 7 | 11♒54'39 | 28♊14 | 23♒33 | 3♓51 | 26♉50 | 9°R55 | 15♐47 | 4♐35 | 13♒25 | 12♐25 | 24♋57 | 24♋ 4 | 16♋11 | 25♏10 | T 1 |
| F 2 | 8 50 3 | 12°55'42 | 10♋ 2 | 25°13 | 5° 6 | 27°35 | 9♌47 | 15°52 | 4°37 | 13°27 | 12°27 | 24°58 | 24° 0 | 16°17 | 25°14 | F 2 |
| S 3 | 8 54 0 | 13°56'44 | 21°49 | 26°53 | 6°21 | 28°21 | 9°39 | 15°57 | 4°39 | 13°29 | 12°28 | 24°R59 | 23°57 | 16°24 | 25°18 | S 3 |
| S 4 | 8 57 56 | 14°57'45 | 3♌40 | 28°32 | 7°35 | 29° 6 | 9°31 | 16° 2 | 4°40 | 13°32 | 12°30 | 24°59 | 23°54 | 16°31 | 25°22 | S 4 |
| M 5 | 9 1 53 | 15°58'46 | 15°37 | 0♓11 | 8°50 | 29°51 | 9°23 | 16° 6 | 4°42 | 13°34 | 12°31 | 24°57 | 23°51 | 16°37 | 25°26 | M 5 |
| T 6 | 9 5 50 | 16°59'46 | 27°41 | 1°48 | 10° 5 | 0♒37 | 9°15 | 16°11 | 4°44 | 13°36 | 12°32 | 24°55 | 23°48 | 16°44 | 25°29 | T 6 |
| W 7 | 9 9 46 | 18° 0'45 | 9♍54 | 3°24 | 11°20 | 1°22 | 9° 8 | 16°16 | 4°46 | 13°39 | 12°34 | 24°51 | 23°44 | 16°51 | 25°33 | W 7 |
| T 8 | 9 13 43 | 19° 1'44 | 22°18 | 4°58 | 12°34 | 2° 8 | 9° 0 | 16°20 | 4°47 | 13°41 | 12°35 | 24°47 | 23°41 | 16°57 | 25°36 | T 8 |
| F 9 | 9 17 39 | 20° 2'42 | 4♎54 | 6°30 | 13°49 | 2°53 | 8°52 | 16°25 | 4°49 | 13°43 | 12°36 | 24°43 | 23°38 | 17° 4 | 25°40 | F 9 |
| S 10 | 9 21 36 | 21° 3'40 | 17°43 | 8° 0 | 15° 4 | 3°39 | 8°44 | 16°29 | 4°50 | 13°45 | 12°37 | 24°39 | 23°35 | 17°11 | 25°43 | S 10 |
| S 11 | 9 25 32 | 22° 4'37 | 0♏47 | 9°26 | 16°18 | 4°24 | 8°36 | 16°33 | 4°52 | 13°48 | 12°38 | 24°36 | 23°32 | 17°17 | 25°46 | S 11 |
| M12 | 9 29 29 | 23° 5'34 | 14° 7 | 10°49 | 17°33 | 5°10 | 8°29 | 16°38 | 4°53 | 13°50 | 12°40 | 24°35 | 23°29 | 17°24 | 25°49 | M12 |
| T 13 | 9 33 25 | 24° 6'31 | 27°45 | 12° 8 | 18°48 | 5°56 | 8°21 | 16°42 | 4°55 | 13°52 | 12°41 | 24°D34 | 23°25 | 17°30 | 25°52 | T 13 |
| W14 | 9 37 22 | 25° 7'27 | 11♐42 | 13°21 | 20° 2 | 6°41 | 8°14 | 16°46 | 4°56 | 13°54 | 12°42 | 24°35 | 23°22 | 17°37 | 25°55 | W14 |
| T 15 | 9 41 19 | 26° 8'22 | 25°58 | 14°29 | 21°17 | 7°27 | 8° 6 | 16°50 | 4°57 | 13°57 | 12°43 | 24°37 | 23°19 | 17°44 | 25°57 | T 15 |
| F 16 | 9 45 15 | 27° 9'17 | 10♑30 | 15°30 | 22°31 | 8°13 | 7°59 | 16°54 | 4°59 | 13°59 | 12°44 | 24°38 | 23°16 | 17°50 | 26° 0 | F 16 |
| S 17 | 9 49 12 | 28°10'11 | 25°16 | 16°24 | 23°46 | 8°59 | 7°52 | 16°57 | 5° 0 | 14° 1 | 12°45 | 24°R39 | 23°13 | 17°57 | 26° 2 | S 17 |
| S 18 | 9 53 8 | 29°11'04 | 10♒10 | 17° 9 | 25° 0 | 9°45 | 7°45 | 17° 1 | 5° 1 | 14° 3 | 12°46 | 24°38 | 23°10 | 18° 4 | 26° 5 | S 18 |
| M19 | 9 57 5 | 0♓11'56 | 25° 3 | 17°46 | 26°15 | 10°31 | 7°38 | 17° 5 | 5° 2 | 14° 5 | 12°47 | 24°35 | 23° 6 | 18°10 | 26° 7 | M19 |
| T 20 | 10 1 1 | 1°12'48 | 9♓49 | 18°13 | 27°29 | 11°17 | 7°31 | 17° 8 | 5° 3 | 14° 8 | 12°47 | 24°31 | 23° 3 | 18°17 | 26° 9 | T 20 |
| W21 | 10 4 58 | 2°13'38 | 24°19 | 18°29 | 28°43 | 12° 3 | 7°24 | 17°12 | 5° 4 | 14°10 | 12°48 | 24°25 | 23° 0 | 18°24 | 26°11 | W21 |
| T 22 | 10 8 54 | 3°14'26 | 8♈27 | 18°R36 | 29°58 | 12°49 | 7°18 | 17°15 | 5° 5 | 14°12 | 12°49 | 24°18 | 22°57 | 18°30 | 26°13 | T 22 |
| F 23 | 10 12 51 | 4°15'14 | 22° 9 | 18°31 | 1♈12 | 13°35 | 7°11 | 17°18 | 5° 6 | 14°14 | 12°50 | 24°12 | 22°54 | 18°37 | 26°15 | F 23 |
| S 24 | 10 16 47 | 5°16'00 | 5♉24 | 18°15 | 2°26 | 14°21 | 7° 5 | 17°21 | 5° 7 | 14°16 | 12°51 | 24° 7 | 22°50 | 18°44 | 26°16 | S 24 |
| S 25 | 10 20 44 | 6°16'45 | 18°14 | 17°48 | 3°40 | 15° 7 | 6°59 | 17°24 | 5° 7 | 14°19 | 12°51 | 24° 3 | 22°47 | 18°50 | 26°18 | S 25 |
| M26 | 10 24 41 | 7°17'28 | 0♊41 | 17°12 | 4°54 | 15°53 | 6°53 | 17°27 | 5° 8 | 14°21 | 12°52 | 24° 1 | 22°44 | 18°57 | 26°19 | M26 |
| T 27 | 10 28 37 | 8°18'09 | 12°50 | 16°26 | 6° 9 | 16°39 | 6°47 | 17°30 | 5° 9 | 14°23 | 12°53 | 24°D 1 | 22°41 | 19° 3 | 26°21 | T 27 |
| W28 | 10 32 34 | 9♓18'50 | 24♊47 | 15♓33 | 7♈23 | 17♒25 | 6♌41 | 17♐33 | 5♐ 9 | 14♒25 | 12♐53 | 24♋ 2 | 22♋38 | 19♋10 | 26♏22 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s 8 | 20n55 | 2s23 | 15s22 | 1s53 | 11s32 | 1s35 | 21s31 | 0s51 | 18n10 | 0n31 | 20s45 | 1n49 | 20s43 | 0n14 | 16s27 | 0n16 | 8s43 | 13n33 | 21n 2 | 21n11 | 21n38 | 16s48 | 2n13 |
| F 2 | 16 51 | 21 34 | 1 22 | 14 45 | 1 48 | 11 4 | 1 35 | 21 23 | 0 52 | 18 12 | 0 31 | 20 46 | 1 49 | 20 43 | 0 14 | 16 27 | 0 16 | 8 43 | 13 33 | 21 1 | 21 11 | 21 38 | 16 49 | 2 14 |
| S 3 | 16 33 | 21 16 | 0 18 | 14 6 | 1 43 | 10 36 | 1 35 | 21 14 | 0 52 | 18 14 | 0 31 | 20 46 | 1 49 | 20 43 | 0 14 | 16 26 | 0 16 | 8 43 | 13 34 | 21 1 | 21 12 | 21 38 | 16 49 | 2 14 |
| S 4 | 16 16 | 20 0 | 0n48 | 13 27 | 1 38 | 10 8 | 1 34 | 21 5 | 0 53 | 18 17 | 0 31 | 20 46 | 1 49 | 20 44 | 0 14 | 16 25 | 0 16 | 8 42 | 13 34 | 21 1 | 21 13 | 21 38 | 16 49 | 2 15 |
| M 5 | 15 58 | 17 51 | 1 52 | 12 46 | 1 31 | 9 40 | 1 34 | 20 56 | 0 53 | 18 19 | 0 32 | 20 47 | 1 49 | 20 44 | 0 14 | 16 25 | 0 16 | 8 42 | 13 34 | 21 1 | 21 13 | 21 38 | 16 50 | 2 15 |
| T 6 | 15 39 | 14 53 | 2 51 | 12 5 | 1 24 | 9 11 | 1 34 | 20 47 | 0 54 | 18 21 | 0 32 | 20 47 | 1 49 | 20 44 | 0 14 | 16 24 | 0 16 | 8 42 | 13 35 | 21 2 | 21 14 | 21 38 | 16 50 | 2 16 |
| W 7 | 15 21 | 11 15 | 3 43 | 11 23 | 1 16 | 8 43 | 1 33 | 20 38 | 0 54 | 18 23 | 0 32 | 20 47 | 1 50 | 20 45 | 0 14 | 16 23 | 0 16 | 8 42 | 13 35 | 21 3 | 21 14 | 21 38 | 16 50 | 2 16 |
| T 8 | 15 2 | 7 6 | 4 25 | 10 41 | 1 7 | 8 14 | 1 32 | 20 28 | 0 55 | 18 25 | 0 32 | 20 48 | 1 50 | 20 45 | 0 14 | 16 23 | 0 16 | 8 42 | 13 35 | 21 3 | 21 15 | 21 38 | 16 50 | 2 17 |
| F 9 | 14 43 | 2 36 | 4 56 | 9 58 | 0 58 | 7 44 | 1 32 | 20 18 | 0 55 | 18 28 | 0 32 | 20 48 | 1 50 | 20 45 | 0 14 | 16 22 | 0 16 | 8 42 | 13 36 | 21 4 | 21 15 | 21 39 | 16 51 | 2 17 |
| S 10 | 14 24 | 2s 6 | 5 12 | 9 16 | 0 47 | 7 15 | 1 31 | 20 8 | 0 55 | 18 30 | 0 32 | 20 48 | 1 50 | 20 46 | 0 14 | 16 22 | 0 16 | 8 41 | 13 36 | 21 5 | 21 16 | 21 39 | 16 51 | 2 18 |
| S 11 | 14 5 | 6 48 | 5 12 | 8 33 | 0 36 | 6 45 | 1 30 | 19 58 | 0 56 | 18 32 | 0 32 | 20 49 | 1 50 | 20 46 | 0 14 | 16 21 | 0 16 | 8 41 | 13 37 | 21 5 | 21 16 | 21 39 | 16 51 | 2 19 |
| M12 | 13 45 | 11 16 | 4 56 | 7 51 | 0 24 | 6 16 | 1 29 | 19 47 | 0 56 | 18 34 | 0 32 | 20 49 | 1 50 | 20 46 | 0 14 | 16 20 | 0 16 | 8 41 | 13 37 | 21 6 | 21 17 | 21 39 | 16 51 | 2 19 |
| T 13 | 13 25 | 15 17 | 4 23 | 7 9 | 0 12 | 5 46 | 1 28 | 19 36 | 0 57 | 18 36 | 0 32 | 20 49 | 1 50 | 20 46 | 0 14 | 16 20 | 0 16 | 8 41 | 13 37 | 21 6 | 21 17 | 21 39 | 16 51 | 2 20 |
| W14 | 13 5 | 18 32 | 3 34 | 6 29 | 0n 2 | 5 15 | 1 27 | 19 25 | 0 57 | 18 38 | 0 32 | 20 50 | 1 50 | 20 47 | 0 14 | 16 19 | 0 16 | 8 40 | 13 38 | 21 5 | 21 18 | 21 39 | 16 51 | 2 20 |
| T 15 | 12 44 | 20 44 | 2 31 | 5 50 | 0 16 | 4 45 | 1 26 | 19 14 | 0 58 | 18 40 | 0 33 | 20 50 | 1 50 | 20 47 | 0 14 | 16 18 | 0 16 | 8 40 | 13 38 | 21 5 | 21 19 | 21 39 | 16 51 | 2 21 |
| F 16 | 12 24 | 21 37 | 1 17 | 5 12 | 0 31 | 4 15 | 1 24 | 19 3 | 0 58 | 18 42 | 0 33 | 20 50 | 1 51 | 20 47 | 0 14 | 16 18 | 0 16 | 8 40 | 13 38 | 21 5 | 21 19 | 21 39 | 16 51 | 2 22 |
| S 17 | 12 3 | 21 1 | 0s 3 | 4 37 | 0 47 | 3 44 | 1 23 | 18 51 | 0 58 | 18 44 | 0 33 | 20 50 | 1 51 | 20 47 | 0 14 | 16 17 | 0 15 | 8 40 | 13 39 | 21 5 | 21 20 | 21 39 | 16 51 | 2 22 |
| S 18 | 11 42 | 18 57 | 1 24 | 4 5 | 1 3 | 3 14 | 1 22 | 18 39 | 0 59 | 18 46 | 0 33 | 20 51 | 1 51 | 20 47 | 0 14 | 16 17 | 0 15 | 8 39 | 13 39 | 21 5 | 21 20 | 21 39 | 16 51 | 2 23 |
| M19 | 11 21 | 15 35 | 2 38 | 3 36 | 1 19 | 2 43 | 1 20 | 18 28 | 0 59 | 18 48 | 0 33 | 20 51 | 1 51 | 20 48 | 0 14 | 16 16 | 0 15 | 8 39 | 13 40 | 21 5 | 21 21 | 21 39 | 16 51 | 2 23 |
| T 20 | 10 59 | 11 16 | 3 42 | 3 10 | 1 36 | 2 12 | 1 19 | 18 15 | 1 0 | 18 49 | 0 33 | 20 51 | 1 51 | 20 48 | 0 14 | 16 15 | 0 15 | 8 39 | 13 40 | 21 6 | 21 21 | 21 39 | 16 51 | 2 24 |
| W21 | 10 38 | 6 22 | 4 29 | 2 48 | 1 52 | 1 41 | 1 17 | 18 3 | 1 0 | 18 51 | 0 33 | 20 51 | 1 51 | 20 48 | 0 14 | 16 15 | 0 15 | 8 38 | 13 40 | 21 7 | 21 22 | 21 39 | 16 51 | 2 25 |
| T 22 | 10 16 | 1 15 | 4 59 | 2 31 | 2 9 | 1 10 | 1 16 | 17 50 | 1 0 | 18 53 | 0 33 | 20 51 | 1 51 | 20 48 | 0 14 | 16 14 | 0 15 | 8 38 | 13 41 | 21 8 | 21 22 | 21 39 | 16 51 | 2 25 |
| F 23 | 9 54 | 3n46 | 5 10 | 2 18 | 2 24 | 0 39 | 1 14 | 17 38 | 1 1 | 18 55 | 0 33 | 20 52 | 1 51 | 20 48 | 0 14 | 16 13 | 0 15 | 8 38 | 13 41 | 21 9 | 21 23 | 21 39 | 16 51 | 2 26 |
| S 24 | 9 32 | 8 27 | 5 5 | 2 10 | 2 39 | 0 8 | 1 12 | 17 25 | 1 1 | 18 56 | 0 33 | 20 52 | 1 52 | 20 48 | 0 14 | 16 13 | 0 15 | 8 38 | 13 41 | 21 10 | 21 23 | 21 39 | 16 51 | 2 26 |
| S 25 | 9 10 | 12 37 | 4 44 | 2 8 | 2 53 | 0n23 | 1 10 | 17 12 | 1 1 | 18 58 | 0 33 | 20 52 | 1 52 | 20 49 | 0 14 | 16 12 | 0 15 | 8 37 | 13 42 | 21 11 | 21 24 | 21 39 | 16 50 | 2 27 |
| M26 | 8 47 | 16 7 | 4 10 | 2 10 | 3 6 | 0 54 | 1 8 | 16 58 | 1 2 | 18 59 | 0 33 | 20 52 | 1 52 | 20 49 | 0 14 | 16 12 | 0 15 | 8 37 | 13 42 | 21 11 | 21 24 | 21 39 | 16 50 | 2 28 |
| T 27 | 8 25 | 18 50 | 3 25 | 2 18 | 3 17 | 1 25 | 1 6 | 16 45 | 1 2 | 19 1 | 0 33 | 20 52 | 1 52 | 20 49 | 0 14 | 16 11 | 0 15 | 8 37 | 13 43 | 21 11 | 21 25 | 21 38 | 16 50 | 2 28 |
| W28 | 8s 2 | 20n40 | 2s32 | 2s30 | 3n26 | 1n56 | 1s 4 | 16s31 | 1s 3 | 19n 3 | 0n33 | 20s52 | 1n52 | 20s49 | 0n14 | 16s10 | 0n15 | 8s36 | 13n43 | 21n11 | 21n25 | 21n38 | 16s49 | 2n29 |

Julian Day Number = 2812070.5, Delta T = 53m28s
Ecliptic obliquity = 23°18'37, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°33'29, Lahiri = 37°40'30


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# ASTRODIENST EPHEMERIS for the year 2987
# geocentric

## MARCH 2987 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 36 30 | 10♓19'28 | 6♋36 | 14°R33 | 8♈37 | 18♒11 | 6°R35 | 17♐36 | 5♐10 | 14♒27 | 12♐54 | 24♋ 4 | 22♋35 | 19♋17 | 26♏23 | T 1 |
| F 2 | 10 40 27 | 11°20'05 | 18°22 | 13♓28 | 9°51 | 18°58 | 6♌30 | 17°38 | 5°10 | 14°29 | 12°54 | 24°R 5 | 22°31 | 19°23 | 26°24 | F 2 |
| S 3 | 10 44 23 | 12°20'41 | 0♌11 | 12°20 | 11° 5 | 19°44 | 6°24 | 17°41 | 5°11 | 14°31 | 12°55 | 24° 5 | 22°28 | 19°30 | 26°25 | S 3 |
| S 4 | 10 48 20 | 13°21'15 | 12° 6 | 11°11 | 12°18 | 20°30 | 6°19 | 17°43 | 5°11 | 14°33 | 12°55 | 24° 3 | 22°25 | 19°37 | 26°25 | S 4 |
| M 5 | 10 52 16 | 14°21'47 | 24°11 | 10° 3 | 13°32 | 21°16 | 6°14 | 17°46 | 5°11 | 14°35 | 12°55 | 23°59 | 22°22 | 19°43 | 26°26 | M 5 |
| T 6 | 10 56 13 | 15°22'18 | 6♍27 | 8°57 | 14°46 | 22° 3 | 6° 9 | 17°48 | 5°12 | 14°37 | 12°56 | 23°52 | 22°19 | 19°50 | 26°27 | T 6 |
| W 7 | 11 0 10 | 16°22'47 | 18°56 | 7°55 | 16° 0 | 22°49 | 6° 5 | 17°50 | 5°12 | 14°39 | 12°56 | 23°44 | 22°16 | 19°57 | 26°27 | W 7 |
| T 8 | 11 4 6 | 17°23'14 | 1♎39 | 6°57 | 17°13 | 23°35 | 6° 0 | 17°52 | 5°12 | 14°41 | 12°56 | 23°34 | 22°12 | 20° 3 | 26°27 | T 8 |
| F 9 | 11 8 3 | 18°23'41 | 14°35 | 6° 6 | 18°27 | 24°22 | 5°56 | 17°54 | 5°12 | 14°43 | 12°57 | 23°24 | 22° 9 | 20°10 | 26°27 | F 9 |
| S 10 | 11 11 59 | 19°24'06 | 27°44 | 5°22 | 19°41 | 25° 8 | 5°52 | 17°56 | 5°R12 | 14°45 | 12°57 | 23°14 | 22° 6 | 20°17 | 26°R27 | S 10 |
| S 11 | 11 15 56 | 20°24'29 | 11♏ 5 | 4°44 | 20°54 | 25°55 | 5°48 | 17°58 | 5°12 | 14°47 | 12°57 | 23° 6 | 22° 3 | 20°23 | 26°27 | S 11 |
| M12 | 11 19 52 | 21°24'51 | 24°37 | 4°14 | 22° 8 | 26°41 | 5°44 | 17°59 | 5°12 | 14°49 | 12°57 | 23° 1 | 22° 0 | 20°30 | 26°27 | M12 |
| T 13 | 11 23 49 | 22°25'12 | 8♐19 | 3°51 | 23°21 | 27°28 | 5°40 | 18° 1 | 5°12 | 14°51 | 12°57 | 22°58 | 21°56 | 20°36 | 26°27 | T 13 |
| W14 | 11 27 45 | 23°25'32 | 22°12 | 3°36 | 24°34 | 28°14 | 5°37 | 18° 2 | 5°12 | 14°53 | 12°58 | 22°D57 | 21°53 | 20°43 | 26°27 | W14 |
| T 15 | 11 31 42 | 24°25'50 | 6♑15 | 3°27 | 25°48 | 29° 1 | 5°34 | 18° 3 | 5°11 | 14°55 | 12°58 | 22°57 | 21°50 | 20°50 | 26°26 | T 15 |
| F 16 | 11 35 39 | 25°26'07 | 20°28 | 3°D26 | 27° 1 | 29°47 | 5°31 | 18° 5 | 5°11 | 14°57 | 12°R58 | 22°R58 | 21°47 | 20°56 | 26°25 | F 16 |
| S 17 | 11 39 35 | 26°26'22 | 4♒50 | 3°31 | 28°14 | 0♓34 | 5°28 | 18° 6 | 5°11 | 14°58 | 12°58 | 22°57 | 21°44 | 21° 3 | 26°25 | S 17 |
| S 18 | 11 43 32 | 27°26'36 | 19°17 | 3°42 | 29°27 | 1°20 | 5°25 | 18° 7 | 5°10 | 15° 0 | 12°58 | 22°55 | 21°41 | 21°10 | 26°24 | S 18 |
| M19 | 11 47 28 | 28°26'49 | 3♓46 | 3°59 | 0♉40 | 2° 7 | 5°23 | 18° 8 | 5°10 | 15° 2 | 12°57 | 22°49 | 21°37 | 21°16 | 26°23 | M19 |
| T 20 | 11 51 25 | 29°27'00 | 18°10 | 4°21 | 1°53 | 2°54 | 5°20 | 18° 9 | 5° 9 | 15° 4 | 12°57 | 22°41 | 21°34 | 21°23 | 26°22 | T 20 |
| W21 | 11 55 21 | 0♈27'09 | 2♈24 | 4°48 | 3° 6 | 3°40 | 5°18 | 18° 9 | 5° 9 | 15° 6 | 12°57 | 22°31 | 21°31 | 21°30 | 26°20 | W21 |
| T 22 | 11 59 18 | 1°27'16 | 16°22 | 5°21 | 4°19 | 4°27 | 5°16 | 18°10 | 5° 8 | 15° 7 | 12°57 | 22°19 | 21°28 | 21°36 | 26°19 | T 22 |
| F 23 | 12 3 14 | 2°27'22 | 29°59 | 5°57 | 5°32 | 5°14 | 5°15 | 18°10 | 5° 7 | 15° 9 | 12°57 | 22° 8 | 21°25 | 21°43 | 26°18 | F 23 |
| S 24 | 12 7 11 | 3°27'25 | 13♉14 | 6°38 | 6°45 | 6° 0 | 5°13 | 18°11 | 5° 7 | 15°11 | 12°56 | 21°58 | 21°21 | 21°50 | 26°16 | S 24 |
| S 25 | 12 11 8 | 4°27'27 | 26° 4 | 7°22 | 7°57 | 6°47 | 5°12 | 18°11 | 5° 6 | 15°12 | 12°56 | 21°49 | 21°18 | 21°56 | 26°15 | S 25 |
| M26 | 12 15 4 | 5°27'26 | 8♊34 | 8°11 | 9°10 | 7°34 | 5°11 | 18°11 | 5° 5 | 15°14 | 12°56 | 21°44 | 21°15 | 22° 3 | 26°13 | M26 |
| T 27 | 12 19 1 | 6°27'24 | 20°45 | 9° 2 | 10°23 | 8°20 | 5°10 | 18°R11 | 5° 4 | 15°16 | 12°55 | 21°41 | 21°12 | 22°10 | 26°11 | T 27 |
| W28 | 12 22 57 | 7°27'19 | 2♋43 | 9°57 | 11°35 | 9° 7 | 5° 9 | 18°11 | 5° 3 | 15°17 | 12°55 | 21°D40 | 21° 9 | 22°16 | 26° 9 | W28 |
| T 29 | 12 26 54 | 8°27'12 | 14°33 | 10°54 | 12°47 | 9°54 | 5° 9 | 18°11 | 5° 2 | 15°19 | 12°55 | 21°40 | 21° 6 | 22°23 | 26° 7 | T 29 |
| F 30 | 12 30 50 | 9°27'03 | 26°21 | 11°55 | 14° 0 | 10°41 | 5° 8 | 18°11 | 5° 1 | 15°20 | 12°54 | 21°R40 | 21° 2 | 22°29 | 26° 5 | F 30 |
| S 31 | 12 34 47 | 10♈26'52 | 8♌11 | 12♓57 | 15♉12 | 11♓27 | 5°D 8 | 18♐11 | 5♐ 0 | 15♒22 | 12♐54 | 21♋38 | 20♋59 | 22♋36 | 26♏ 3 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | ☊ | ☊ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7s39 | 21n36 | 1s33 | 2s46 | 3n33 | 2n27 | 1s 2 | 16s18 | 1s 3 | 19n 4 | 0n33 | 20s52 | 1n52 | 20s49 | 0n14 | 16s10 | 0n15 | 8s36 | 13n43 | 21n11 | 21n26 | 21n38 | 16s49 | 2n29 |
| F 2 | 7 17 | 21 33 | 0 31 | 3 7 | 3 38 | 2 58 | 1 0 | 16 4 | 1 3 | 19 5 | 0 34 | 20 52 | 1 52 | 20 49 | 0 14 | 16 9 | 0 15 | 8 36 | 13 44 | 21 11 | 21 26 | 21 38 | 16 49 | 2 30 |
| S 3 | 6 54 | 20 32 | 0n33 | 3 30 | 3 40 | 3 28 | 0 58 | 15 50 | 1 4 | 19 7 | 0 34 | 20 53 | 1 53 | 20 49 | 0 14 | 16 9 | 0 15 | 8 35 | 13 44 | 21 11 | 21 27 | 21 38 | 16 48 | 2 31 |
| S 4 | 6 31 | 18 36 | 1 36 | 3 56 | 3 40 | 3 59 | 0 56 | 15 35 | 1 4 | 19 8 | 0 34 | 20 53 | 1 53 | 20 49 | 0 14 | 16 8 | 0 15 | 8 35 | 13 45 | 21 11 | 21 27 | 21 38 | 16 48 | 2 31 |
| M 5 | 6 7 | 15 50 | 2 35 | 4 24 | 3 37 | 4 30 | 0 53 | 15 21 | 1 4 | 19 9 | 0 34 | 20 53 | 1 53 | 20 49 | 0 14 | 16 7 | 0 15 | 8 35 | 13 45 | 21 12 | 21 28 | 21 38 | 16 47 | 2 32 |
| T 6 | 5 44 | 12 19 | 3 28 | 4 53 | 3 33 | 5 0 | 0 51 | 15 6 | 1 5 | 19 11 | 0 34 | 20 53 | 1 53 | 20 49 | 0 14 | 16 7 | 0 15 | 8 34 | 13 45 | 21 13 | 21 28 | 21 38 | 16 47 | 2 32 |
| W 7 | 5 21 | 8 13 | 4 12 | 5 22 | 3 26 | 5 31 | 0 48 | 14 52 | 1 5 | 19 12 | 0 34 | 20 53 | 1 53 | 20 49 | 0 14 | 16 6 | 0 15 | 8 34 | 13 46 | 21 14 | 21 29 | 21 38 | 16 46 | 2 33 |
| T 8 | 4 57 | 3 41 | 4 44 | 5 50 | 3 18 | 6 1 | 0 46 | 14 37 | 1 5 | 19 13 | 0 34 | 20 53 | 1 53 | 20 49 | 0 14 | 16 6 | 0 15 | 8 33 | 13 46 | 21 16 | 21 30 | 21 38 | 16 46 | 2 34 |
| F 9 | 4 34 | 1s 5 | 5 2 | 6 18 | 3 8 | 6 32 | 0 43 | 14 22 | 1 5 | 19 14 | 0 34 | 20 53 | 1 53 | 20 49 | 0 14 | 16 5 | 0 15 | 8 33 | 13 47 | 21 18 | 21 30 | 21 38 | 16 45 | 2 34 |
| S 10 | 4 10 | 5 52 | 5 4 | 6 45 | 2 57 | 7 2 | 0 41 | 14 6 | 1 6 | 19 15 | 0 34 | 20 53 | 1 54 | 20 49 | 0 14 | 16 5 | 0 15 | 8 33 | 13 47 | 21 19 | 21 31 | 21 38 | 16 45 | 2 35 |
| S 11 | 3 47 | 10 28 | 4 51 | 7 9 | 2 45 | 7 32 | 0 38 | 13 51 | 1 6 | 19 16 | 0 34 | 20 53 | 1 54 | 20 49 | 0 14 | 16 4 | 0 15 | 8 32 | 13 47 | 21 21 | 21 31 | 21 38 | 16 44 | 2 36 |
| M12 | 3 23 | 14 36 | 4 21 | 7 32 | 2 33 | 8 2 | 0 35 | 13 36 | 1 6 | 19 17 | 0 34 | 20 53 | 1 54 | 20 49 | 0 14 | 16 3 | 0 15 | 8 32 | 13 48 | 21 22 | 21 32 | 21 37 | 16 43 | 2 36 |
| T 13 | 3 0 | 18 2 | 3 35 | 7 53 | 2 19 | 8 31 | 0 33 | 13 20 | 1 7 | 19 18 | 0 34 | 20 53 | 1 54 | 20 49 | 0 14 | 16 3 | 0 15 | 8 32 | 13 48 | 21 22 | 21 32 | 21 37 | 16 43 | 2 37 |
| W14 | 2 36 | 20 28 | 2 37 | 8 11 | 2 6 | 9 1 | 0 30 | 13 4 | 1 7 | 19 19 | 0 34 | 20 53 | 1 54 | 20 49 | 0 14 | 16 2 | 0 15 | 8 31 | 13 49 | 21 22 | 21 33 | 21 37 | 16 42 | 2 37 |
| T 15 | 2 12 | 21 42 | 1 28 | 8 27 | 1 52 | 9 30 | 0 27 | 12 48 | 1 7 | 19 20 | 0 34 | 20 53 | 1 54 | 20 49 | 0 14 | 16 2 | 0 15 | 8 31 | 13 49 | 21 22 | 21 33 | 21 37 | 16 41 | 2 38 |
| F 16 | 1 48 | 21 32 | 0 13 | 8 40 | 1 38 | 9 59 | 0 24 | 12 32 | 1 7 | 19 20 | 0 34 | 20 53 | 1 54 | 20 49 | 0 14 | 16 1 | 0 15 | 8 30 | 13 49 | 21 22 | 21 34 | 21 37 | 16 41 | 2 39 |
| S 17 | 1 24 | 19 58 | 1s 3 | 8 52 | 1 24 | 10 28 | 0 21 | 12 16 | 1 8 | 19 21 | 0 34 | 20 53 | 1 55 | 20 49 | 0 14 | 16 1 | 0 15 | 8 30 | 13 50 | 21 22 | 21 34 | 21 37 | 16 40 | 2 39 |
| S 18 | 1 1 | 17 6 | 2 16 | 9 0 | 1 10 | 10 56 | 0 18 | 12 0 | 1 8 | 19 22 | 0 34 | 20 53 | 1 55 | 20 49 | 0 14 | 16 0 | 0 15 | 8 30 | 13 50 | 21 23 | 21 35 | 21 37 | 16 39 | 2 40 |
| M19 | 0 37 | 13 10 | 3 19 | 9 7 | 0 57 | 11 25 | 0 15 | 11 44 | 1 8 | 19 22 | 0 34 | 20 53 | 1 55 | 20 49 | 0 14 | 16 0 | 0 15 | 8 29 | 13 51 | 21 24 | 21 35 | 21 36 | 16 38 | 2 40 |
| T 20 | 0 13 | 8 29 | 4 10 | 9 11 | 0 44 | 11 53 | 0 12 | 11 27 | 1 8 | 19 23 | 0 34 | 20 53 | 1 55 | 20 49 | 0 14 | 15 59 | 0 15 | 8 29 | 13 51 | 21 25 | 21 36 | 21 36 | 16 37 | 2 41 |
| W21 | 0n11 | 3 24 | 4 44 | 9 13 | 0 31 | 12 20 | 0 9 | 11 11 | 1 9 | 19 24 | 0 34 | 20 52 | 1 55 | 20 49 | 0 14 | 15 59 | 0 15 | 8 28 | 13 51 | 21 27 | 21 36 | 21 36 | 16 37 | 2 42 |
| T 22 | 0 35 | 1n46 | 5 1 | 9 13 | 0 18 | 12 48 | 0 6 | 10 54 | 1 9 | 19 24 | 0 34 | 20 52 | 1 55 | 20 49 | 0 14 | 15 58 | 0 15 | 8 28 | 13 52 | 21 28 | 21 37 | 21 36 | 16 36 | 2 42 |
| F 23 | 0 58 | 6 43 | 5 0 | 9 11 | 0 6 | 13 15 | 0 3 | 10 37 | 1 9 | 19 24 | 0 34 | 20 52 | 1 55 | 20 48 | 0 14 | 15 58 | 0 15 | 8 28 | 13 52 | 21 30 | 21 37 | 21 36 | 16 35 | 2 43 |
| S 24 | 1 22 | 11 14 | 4 42 | 9 7 | 0s 6 | 13 42 | 0n 0 | 10 20 | 1 9 | 19 25 | 0 34 | 20 52 | 1 56 | 20 48 | 0 14 | 15 57 | 0 15 | 8 27 | 13 53 | 21 32 | 21 38 | 21 36 | 16 34 | 2 43 |
| S 25 | 1 46 | 15 6 | 4 11 | 9 1 | 0 17 | 14 9 | 0 4 | 10 3 | 1 9 | 19 25 | 0 34 | 20 52 | 1 56 | 20 48 | 0 14 | 15 57 | 0 15 | 8 27 | 13 53 | 21 33 | 21 38 | 21 35 | 16 33 | 2 44 |
| M26 | 2 9 | 18 11 | 3 28 | 8 53 | 0 28 | 14 35 | 0 7 | 9 46 | 1 10 | 19 25 | 0 34 | 20 52 | 1 56 | 20 48 | 0 14 | 15 56 | 0 15 | 8 26 | 13 53 | 21 34 | 21 39 | 21 35 | 16 32 | 2 45 |
| T 27 | 2 33 | 20 23 | 2 36 | 8 44 | 0 38 | 15 1 | 0 10 | 9 29 | 1 10 | 19 26 | 0 34 | 20 52 | 1 56 | 20 48 | 0 14 | 15 56 | 0 15 | 8 26 | 13 54 | 21 35 | 21 39 | 21 35 | 16 31 | 2 45 |
| W28 | 2 57 | 21 38 | 1 39 | 8 33 | 0 48 | 15 26 | 0 13 | 9 12 | 1 10 | 19 26 | 0 34 | 20 52 | 1 56 | 20 48 | 0 14 | 15 55 | 0 15 | 8 26 | 13 54 | 21 35 | 21 39 | 21 35 | 16 30 | 2 46 |
| T 29 | 3 20 | 21 54 | 0 38 | 8 20 | 0 58 | 15 52 | 0 17 | 8 54 | 1 10 | 19 26 | 0 34 | 20 52 | 1 56 | 20 48 | 0 14 | 15 55 | 0 15 | 8 25 | 13 54 | 21 35 | 21 40 | 21 35 | 16 29 | 2 46 |
| F 30 | 3 44 | 21 11 | 0n25 | 8 5 | 1 7 | 16 16 | 0 20 | 8 37 | 1 10 | 19 26 | 0 34 | 20 51 | 1 56 | 20 47 | 0 14 | 15 54 | 0 15 | 8 25 | 13 55 | 21 35 | 21 40 | 21 34 | 16 28 | 2 47 |
| S 31 | 4n 7 | 19n31 | 1n27 | 7s49 | 1s15 | 16n41 | 0n23 | 8s19 | 1s11 | 19n26 | 0n34 | 20s51 | 1n57 | 20s47 | 0n14 | 15s54 | 0n15 | 8s24 | 13n55 | 21n35 | 21n41 | 21n34 | 16s27 | 2n48 |

Julian Day Number = 2812098.5, Delta T = 53m29s
Ecliptic obliquity = 23°18'38, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°33'33, Lahiri = 37°40'33


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# ASTRODIENST EPHEMERIS for the year 2987
# geocentric

## APRIL 2987 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 38 43 | 11♈26'39 | 20♌ 9 | 14♓ 3 | 16♉24 | 12♓14 | 5♌ 8 | 18°R10 | 4°R59 | 15♒23 | 12°R53 | 21°R35 | 20♋56 | 22♋43 | 26°R 0 | S 1 |
| M 2 | 12 42 40 | 12°26'24 | 2♍20 | 15°10 | 17°36 | 13° 1 | 5° 8 | 18♐10 | 4♐58 | 15°25 | 12♐53 | 21♋30 | 20°53 | 22°49 | 25♏58 | M 2 |
| T 3 | 12 46 36 | 13°26'06 | 14°46 | 16°20 | 18°48 | 13°48 | 5° 9 | 18° 9 | 4°57 | 15°26 | 12°52 | 21°21 | 20°50 | 22°56 | 25°55 | T 3 |
| W 4 | 12 50 33 | 14°25'46 | 27°30 | 17°32 | 20° 0 | 14°34 | 5° 9 | 18° 9 | 4°56 | 15°27 | 12°51 | 21°10 | 20°47 | 23° 3 | 25°53 | W 4 |
| T 5 | 12 54 30 | 15°25'25 | 10♎32 | 18°46 | 21°12 | 15°21 | 5°10 | 18° 8 | 4°54 | 15°29 | 12°51 | 20°58 | 20°43 | 23° 9 | 25°50 | T 5 |
| F 6 | 12 58 26 | 16°25'01 | 23°51 | 20° 2 | 22°24 | 16° 8 | 5°11 | 18° 7 | 4°53 | 15°30 | 12°50 | 20°45 | 20°40 | 23°16 | 25°47 | F 6 |
| S 7 | 13 2 23 | 17°24'35 | 7♏25 | 21°19 | 23°35 | 16°55 | 5°13 | 18° 6 | 4°51 | 15°31 | 12°49 | 20°32 | 20°37 | 23°23 | 25°44 | S 7 |
| S 8 | 13 6 19 | 18°24'08 | 21°10 | 22°39 | 24°47 | 17°42 | 5°14 | 18° 5 | 4°50 | 15°33 | 12°49 | 20°22 | 20°34 | 23°29 | 25°41 | S 8 |
| M 9 | 13 10 16 | 19°23'39 | 5♐ 4 | 24° 0 | 25°58 | 18°28 | 5°16 | 18° 4 | 4°49 | 15°34 | 12°48 | 20°14 | 20°31 | 23°36 | 25°38 | M 9 |
| T 10 | 13 14 12 | 20°23'08 | 19° 3 | 25°23 | 27°10 | 19°15 | 5°17 | 18° 2 | 4°47 | 15°35 | 12°47 | 20° 9 | 20°27 | 23°43 | 25°35 | T 10 |
| W11 | 13 18 9 | 21°22'36 | 3♑ 6 | 26°47 | 28°21 | 20° 2 | 5°19 | 18° 1 | 4°45 | 15°36 | 12°46 | 20° 7 | 20°24 | 23°49 | 25°32 | W11 |
| T 12 | 13 22 5 | 22°22'02 | 17°11 | 28°13 | 29°32 | 20°49 | 5°21 | 17°59 | 4°44 | 15°38 | 12°45 | 20° 7 | 20°21 | 23°56 | 25°29 | T 12 |
| F 13 | 13 26 2 | 23°21'26 | 1♒17 | 29°41 | 0♊43 | 21°36 | 5°24 | 17°58 | 4°42 | 15°39 | 12°44 | 20° 7 | 20°18 | 24° 2 | 25°25 | F 13 |
| S 14 | 13 29 59 | 24°20'48 | 15°23 | 1♈10 | 1°54 | 22°22 | 5°26 | 17°56 | 4°40 | 15°40 | 12°43 | 20° 6 | 20°15 | 24° 9 | 25°22 | S 14 |
| S 15 | 13 33 55 | 25°20'09 | 29°28 | 2°40 | 3° 5 | 23° 9 | 5°29 | 17°54 | 4°39 | 15°41 | 12°42 | 20° 2 | 20°12 | 24°16 | 25°18 | S 15 |
| M16 | 13 37 52 | 26°19'28 | 13♓31 | 4°12 | 4°16 | 23°56 | 5°32 | 17°53 | 4°37 | 15°42 | 12°41 | 19°57 | 20° 8 | 24°22 | 25°15 | M16 |
| T 17 | 13 41 48 | 27°18'45 | 27°29 | 5°46 | 5°27 | 24°43 | 5°35 | 17°51 | 4°35 | 15°43 | 12°40 | 19°48 | 20° 5 | 24°29 | 25°11 | T 17 |
| W18 | 13 45 45 | 28°18'00 | 11♈17 | 7°20 | 6°37 | 25°30 | 5°38 | 17°48 | 4°33 | 15°44 | 12°39 | 19°37 | 20° 2 | 24°36 | 25° 7 | W18 |
| T 19 | 13 49 41 | 29°17'13 | 24°53 | 8°57 | 7°48 | 26°17 | 5°42 | 17°46 | 4°31 | 15°45 | 12°38 | 19°24 | 19°59 | 24°42 | 25° 4 | T 19 |
| F 20 | 13 53 38 | 0♉16'25 | 8♉13 | 10°35 | 8°58 | 27° 3 | 5°45 | 17°44 | 4°30 | 15°46 | 12°37 | 19°12 | 19°56 | 24°49 | 25° 0 | F 20 |
| S 21 | 13 57 34 | 1°15'34 | 21°15 | 12°14 | 10° 9 | 27°50 | 5°49 | 17°42 | 4°28 | 15°47 | 12°36 | 19° 0 | 19°53 | 24°56 | 24°56 | S 21 |
| S 22 | 14 1 31 | 2°14'42 | 3♊59 | 13°55 | 11°19 | 28°37 | 5°53 | 17°39 | 4°26 | 15°48 | 12°35 | 18°51 | 19°49 | 25° 2 | 24°52 | S 22 |
| M23 | 14 5 28 | 3°13'47 | 16°24 | 15°37 | 12°29 | 29°24 | 5°57 | 17°37 | 4°24 | 15°48 | 12°34 | 18°44 | 19°46 | 25° 9 | 24°48 | M23 |
| T 24 | 14 9 24 | 4°12'50 | 28°34 | 17°21 | 13°39 | 0♈10 | 6° 1 | 17°34 | 4°22 | 15°49 | 12°33 | 18°40 | 19°43 | 25°16 | 24°44 | T 24 |
| W25 | 14 13 21 | 5°11'51 | 10♋32 | 19° 6 | 14°49 | 0°57 | 6° 6 | 17°32 | 4°19 | 15°50 | 12°31 | 18°38 | 19°40 | 25°22 | 24°40 | W25 |
| T 26 | 14 17 17 | 6°10'50 | 22°22 | 20°53 | 15°58 | 1°44 | 6°11 | 17°29 | 4°17 | 15°51 | 12°30 | 18°D38 | 19°37 | 25°29 | 24°35 | T 26 |
| F 27 | 14 21 14 | 7° 9'46 | 4♌10 | 22°41 | 17° 8 | 2°31 | 6°15 | 17°26 | 4°15 | 15°51 | 12°29 | 18°R38 | 19°33 | 25°35 | 24°31 | F 27 |
| S 28 | 14 25 10 | 8° 8'41 | 16° 1 | 24°30 | 18°18 | 3°17 | 6°20 | 17°23 | 4°13 | 15°52 | 12°28 | 18°38 | 19°30 | 25°42 | 24°27 | S 28 |
| S 29 | 14 29 7 | 9° 7'32 | 28° 0 | 26°22 | 19°27 | 4° 4 | 6°25 | 17°20 | 4°11 | 15°53 | 12°26 | 18°36 | 19°27 | 25°49 | 24°23 | S 29 |
| M30 | 14 33 3 | 10♉ 6'22 | 10♍14 | 28♈14 | 20♊36 | 4♈51 | 6♌31 | 17♐17 | 4♐ 9 | 15♒53 | 12♐25 | 18♋32 | 19♋24 | 25♋55 | 24♏18 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n30 | 16n59 | 2n25 | 7s32 | 1s23 | 17n 5 | 0n27 | 8s 2 | 1s11 | 19n26 | 0n34 | 20s51 | 1n57 | 20s47 | 0n14 | 15s54 | 0n15 | 8s24 | 13n56 | 21n35 | 21n41 | 21n34 | 16s26 | 2n48 |
| M 2 | 4 53 | 13 40 | 3 18 | 7 13 | 1 31 | 17 28 | 0 30 | 7 44 | 1 11 | 19 26 | 0 34 | 20 51 | 1 57 | 20 47 | 0 14 | 15 53 | 0 15 | 8 23 | 13 56 | 21 36 | 21 42 | 21 34 | 16 24 | 2 49 |
| T 3 | 5 17 | 9 41 | 4 2 | 6 52 | 1 38 | 17 51 | 0 33 | 7 26 | 1 11 | 19 26 | 0 34 | 20 51 | 1 57 | 20 47 | 0 14 | 15 53 | 0 15 | 8 23 | 13 56 | 21 38 | 21 42 | 21 34 | 16 23 | 2 49 |
| W 4 | 5 40 | 5 12 | 4 36 | 6 30 | 1 45 | 18 14 | 0 37 | 7 8 | 1 11 | 19 26 | 0 34 | 20 50 | 1 57 | 20 46 | 0 14 | 15 52 | 0 15 | 8 23 | 13 57 | 21 39 | 21 43 | 21 33 | 16 22 | 2 50 |
| T 5 | 6 2 | 0 23 | 4 55 | 6 7 | 1 51 | 18 36 | 0 40 | 6 50 | 1 11 | 19 26 | 0 34 | 20 50 | 1 57 | 20 46 | 0 14 | 15 52 | 0 15 | 8 22 | 13 57 | 21 41 | 21 43 | 21 33 | 16 21 | 2 50 |
| F 6 | 6 25 | 4s33 | 5 0 | 5 43 | 1 57 | 18 58 | 0 43 | 6 32 | 1 11 | 19 25 | 0 34 | 20 50 | 1 57 | 20 46 | 0 14 | 15 52 | 0 15 | 8 22 | 13 57 | 21 43 | 21 44 | 21 33 | 16 20 | 2 51 |
| S 7 | 6 48 | 9 22 | 4 48 | 5 17 | 2 2 | 19 20 | 0 47 | 6 14 | 1 12 | 19 25 | 0 34 | 20 50 | 1 57 | 20 46 | 0 14 | 15 51 | 0 15 | 8 21 | 13 58 | 21 45 | 21 44 | 21 33 | 16 19 | 2 52 |
| S 8 | 7 11 | 13 47 | 4 19 | 4 51 | 2 7 | 19 40 | 0 50 | 5 56 | 1 12 | 19 25 | 0 34 | 20 50 | 1 58 | 20 45 | 0 14 | 15 51 | 0 15 | 8 21 | 13 58 | 21 47 | 21 45 | 21 32 | 16 17 | 2 52 |
| M 9 | 7 33 | 17 31 | 3 34 | 4 23 | 2 11 | 20 1 | 0 54 | 5 38 | 1 12 | 19 24 | 0 34 | 20 49 | 1 58 | 20 45 | 0 14 | 15 50 | 0 15 | 8 21 | 13 58 | 21 48 | 21 45 | 21 32 | 16 16 | 2 53 |
| T 10 | 7 55 | 20 16 | 2 36 | 3 54 | 2 15 | 20 21 | 0 57 | 5 20 | 1 12 | 19 24 | 0 34 | 20 49 | 1 58 | 20 45 | 0 14 | 15 50 | 0 15 | 8 20 | 13 59 | 21 48 | 21 46 | 21 32 | 16 15 | 2 53 |
| W11 | 8 18 | 21 48 | 1 29 | 3 23 | 2 18 | 20 40 | 1 0 | 5 2 | 1 12 | 19 23 | 0 34 | 20 49 | 1 58 | 20 45 | 0 14 | 15 50 | 0 15 | 8 20 | 13 59 | 21 49 | 21 46 | 21 32 | 16 14 | 2 54 |
| T 12 | 8 40 | 21 57 | 0 16 | 2 52 | 2 21 | 20 59 | 1 4 | 4 44 | 1 12 | 19 23 | 0 34 | 20 49 | 1 58 | 20 44 | 0 14 | 15 49 | 0 15 | 8 19 | 13 59 | 21 49 | 21 47 | 21 31 | 16 12 | 2 54 |
| F 13 | 9 2 | 20 43 | 0s59 | 2 20 | 2 24 | 21 17 | 1 7 | 4 25 | 1 12 | 19 22 | 0 34 | 20 48 | 1 58 | 20 44 | 0 14 | 15 49 | 0 15 | 8 19 | 14 0 | 21 49 | 21 47 | 21 31 | 16 11 | 2 55 |
| S 14 | 9 23 | 18 12 | 2 9 | 1 46 | 2 26 | 21 35 | 1 10 | 4 7 | 1 12 | 19 22 | 0 34 | 20 48 | 1 58 | 20 44 | 0 14 | 15 49 | 0 15 | 8 19 | 14 0 | 21 49 | 21 48 | 21 31 | 16 10 | 2 55 |
| S 15 | 9 45 | 14 36 | 3 12 | 1 12 | 2 27 | 21 52 | 1 14 | 3 49 | 1 12 | 19 21 | 0 34 | 20 48 | 1 58 | 20 43 | 0 14 | 15 48 | 0 15 | 8 18 | 14 0 | 21 49 | 21 48 | 21 30 | 16 8 | 2 56 |
| M16 | 10 6 | 10 11 | 4 3 | 0 37 | 2 28 | 22 9 | 1 17 | 3 30 | 1 12 | 19 20 | 0 34 | 20 48 | 1 59 | 20 43 | 0 14 | 15 48 | 0 15 | 8 18 | 14 0 | 21 50 | 21 49 | 21 30 | 16 7 | 2 56 |
| T 17 | 10 28 | 5 16 | 4 38 | 0 0 | 2 29 | 22 25 | 1 20 | 3 12 | 1 12 | 19 20 | 0 34 | 20 47 | 1 59 | 20 43 | 0 14 | 15 48 | 0 15 | 8 17 | 14 1 | 21 52 | 21 49 | 21 30 | 16 6 | 2 57 |
| W18 | 10 49 | 0 8 | 4 58 | 0n37 | 2 29 | 22 40 | 1 23 | 2 53 | 1 12 | 19 19 | 0 34 | 20 47 | 1 59 | 20 42 | 0 14 | 15 48 | 0 15 | 8 17 | 14 1 | 21 53 | 21 49 | 21 30 | 16 4 | 2 58 |
| T 19 | 11 10 | 4n56 | 4 59 | 1 15 | 2 28 | 22 55 | 1 27 | 2 35 | 1 12 | 19 18 | 0 34 | 20 47 | 1 59 | 20 42 | 0 14 | 15 47 | 0 15 | 8 17 | 14 1 | 21 55 | 21 50 | 21 29 | 16 3 | 2 58 |
| F 20 | 11 30 | 9 40 | 4 45 | 1 54 | 2 28 | 23 9 | 1 30 | 2 16 | 1 12 | 19 17 | 0 34 | 20 46 | 1 59 | 20 42 | 0 14 | 15 47 | 0 15 | 8 16 | 14 1 | 21 57 | 21 50 | 21 29 | 16 1 | 2 59 |
| S 21 | 11 51 | 13 52 | 4 15 | 2 34 | 2 26 | 23 23 | 1 33 | 1 58 | 1 12 | 19 16 | 0 34 | 20 46 | 1 59 | 20 41 | 0 14 | 15 47 | 0 15 | 8 16 | 14 2 | 21 58 | 21 51 | 21 29 | 16 0 | 2 59 |
| S 22 | 12 11 | 17 20 | 3 33 | 3 14 | 2 24 | 23 36 | 1 36 | 1 39 | 1 12 | 19 15 | 0 34 | 20 46 | 1 59 | 20 41 | 0 14 | 15 46 | 0 15 | 8 15 | 14 2 | 22 0 | 21 51 | 21 28 | 15 59 | 3 0 |
| M23 | 12 31 | 19 56 | 2 42 | 3 56 | 2 22 | 23 48 | 1 39 | 1 21 | 1 12 | 19 14 | 0 34 | 20 45 | 1 59 | 20 41 | 0 14 | 15 46 | 0 15 | 8 15 | 14 2 | 22 1 | 21 52 | 21 28 | 15 57 | 3 0 |
| T 24 | 12 51 | 21 34 | 1 45 | 4 38 | 2 19 | 24 0 | 1 42 | 1 2 | 1 12 | 19 13 | 0 34 | 20 45 | 1 59 | 20 40 | 0 14 | 15 46 | 0 15 | 8 15 | 14 2 | 22 1 | 21 52 | 21 28 | 15 56 | 3 0 |
| W25 | 13 11 | 22 11 | 0 43 | 5 21 | 2 16 | 24 12 | 1 45 | 0 44 | 1 12 | 19 12 | 0 34 | 20 45 | 1 59 | 20 40 | 0 14 | 15 46 | 0 15 | 8 14 | 14 3 | 22 1 | 21 53 | 21 27 | 15 54 | 3 1 |
| T 26 | 13 31 | 21 48 | 0n20 | 6 4 | 2 12 | 24 22 | 1 48 | 0 25 | 1 12 | 19 11 | 0 34 | 20 44 | 2 0 | 20 39 | 0 14 | 15 46 | 0 15 | 8 14 | 14 3 | 22 1 | 21 53 | 21 27 | 15 53 | 3 1 |
| F 27 | 13 50 | 20 26 | 1 22 | 6 48 | 2 8 | 24 32 | 1 51 | 0 7 | 1 12 | 19 10 | 0 34 | 20 44 | 2 0 | 20 39 | 0 14 | 15 45 | 0 15 | 8 14 | 14 3 | 22 1 | 21 54 | 21 27 | 15 51 | 3 2 |
| S 28 | 14 9 | 18 11 | 2 20 | 7 32 | 2 3 | 24 41 | 1 54 | 0n12 | 1 12 | 19 8 | 0 34 | 20 44 | 2 0 | 20 39 | 0 14 | 15 45 | 0 15 | 8 13 | 14 3 | 22 1 | 21 54 | 21 26 | 15 50 | 3 2 |
| S 29 | 14 28 | 15 8 | 3 14 | 8 18 | 1 57 | 24 50 | 1 57 | 0 30 | 1 12 | 19 7 | 0 34 | 20 43 | 2 0 | 20 38 | 0 14 | 15 45 | 0 15 | 8 13 | 14 4 | 22 2 | 21 55 | 21 26 | 15 48 | 3 3 |
| M30 | 14n46 | 11n23 | 3n59 | 9n 3 | 1s52 | 24n58 | 1n59 | 0n49 | 1s12 | 19n 6 | 0n34 | 20s43 | 2n 0 | 20s38 | 0n14 | 15s45 | 0n15 | 8s12 | 14n 4 | 22n 2 | 21n55 | 21n25 | 15s47 | 3n 3 |

Julian Day Number = 2812129.5, Delta T = 53m30s
Ecliptic obliquity = 23°18'38, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°33'37, Lahiri = 37°40'38


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# ASTRODIENST EPHEMERIS for the year 2987
# geocentric

## MAY 2987 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 37 0 | 11♉ 5'10 | 22♍45 | 0♉ 9 | 21♊45 | 5♈38 | 6♌36 | 17°R14 | 4°R 6 | 15♒54 | 12°R24 | 18°R26 | 19♋21 | 26♋ 2 | 24°R14 | T 1 |
| W 2 | 14 40 57 | 12° 3'55 | 5♎37 | 2° 4 | 22°54 | 6°24 | 6°42 | 17♐11 | 4♐ 4 | 15°54 | 12♐22 | 18♋17 | 19°18 | 26° 9 | 24♏10 | W 2 |
| T 3 | 14 44 53 | 13° 2'38 | 18°52 | 4° 2 | 24° 3 | 7°11 | 6°48 | 17° 8 | 4° 2 | 15°55 | 12°21 | 18° 7 | 19°14 | 26°15 | 24° 5 | T 3 |
| F 4 | 14 48 50 | 14° 1'20 | 2♏28 | 6° 0 | 25°11 | 7°57 | 6°53 | 17° 4 | 3°59 | 15°55 | 12°20 | 17°56 | 19°11 | 26°22 | 24° 1 | F 4 |
| S 5 | 14 52 46 | 14°59'59 | 16°24 | 8° 1 | 26°20 | 8°44 | 7° 0 | 17° 1 | 3°57 | 15°56 | 12°18 | 17°46 | 19° 8 | 26°29 | 23°56 | S 5 |
| S 6 | 14 56 43 | 15°58'37 | 0♐34 | 10° 2 | 27°28 | 9°31 | 7° 6 | 16°57 | 3°55 | 15°56 | 12°17 | 17°38 | 19° 5 | 26°35 | 23°52 | S 6 |
| M 7 | 15 0 39 | 16°57'12 | 14°54 | 12° 5 | 28°36 | 10°17 | 7°12 | 16°54 | 3°52 | 15°57 | 12°15 | 17°31 | 19° 2 | 26°42 | 23°47 | M 7 |
| T 8 | 15 4 36 | 17°55'47 | 29°19 | 14°10 | 29°44 | 11° 4 | 7°19 | 16°50 | 3°50 | 15°57 | 12°14 | 17°28 | 18°58 | 26°49 | 23°43 | T 8 |
| W 9 | 15 8 32 | 18°54'19 | 13♑43 | 16°15 | 0♋52 | 11°50 | 7°25 | 16°47 | 3°48 | 15°57 | 12°12 | 17°D26 | 18°55 | 26°55 | 23°38 | W 9 |
| T 10 | 15 12 29 | 19°52'50 | 28° 2 | 18°22 | 2° 0 | 12°37 | 7°32 | 16°43 | 3°45 | 15°58 | 12°11 | 17°27 | 18°52 | 27° 2 | 23°33 | T 10 |
| F 11 | 15 16 26 | 20°51'19 | 12♒14 | 20°29 | 3° 7 | 13°23 | 7°39 | 16°39 | 3°43 | 15°58 | 12° 9 | 17°27 | 18°49 | 27° 9 | 23°29 | F 11 |
| S 12 | 15 20 22 | 21°49'47 | 26°18 | 22°38 | 4°15 | 14°10 | 7°46 | 16°35 | 3°40 | 15°58 | 12° 8 | 17°R28 | 18°46 | 27°15 | 23°24 | S 12 |
| S 13 | 15 24 19 | 22°48'13 | 10♓13 | 24°46 | 5°22 | 14°56 | 7°53 | 16°31 | 3°38 | 15°58 | 12° 6 | 17°26 | 18°43 | 27°22 | 23°20 | S 13 |
| M14 | 15 28 15 | 23°46'38 | 23°59 | 26°55 | 6°29 | 15°43 | 8° 1 | 16°28 | 3°35 | 15°58 | 12° 5 | 17°23 | 18°39 | 27°28 | 23°15 | M14 |
| T 15 | 15 32 12 | 24°45'01 | 7♈33 | 29° 5 | 7°36 | 16°29 | 8° 8 | 16°24 | 3°33 | 15°59 | 12° 3 | 17°17 | 18°36 | 27°35 | 23°10 | T 15 |
| W16 | 15 36 8 | 25°43'22 | 20°57 | 1♊14 | 8°43 | 17°16 | 8°16 | 16°20 | 3°30 | 15°59 | 12° 2 | 17° 9 | 18°33 | 27°42 | 23° 6 | W16 |
| T 17 | 15 40 5 | 26°41'42 | 4♉ 8 | 3°22 | 9°49 | 18° 2 | 8°23 | 16°15 | 3°28 | 15°59 | 12° 0 | 17° 1 | 18°30 | 27°48 | 23° 1 | T 17 |
| F 18 | 15 44 1 | 27°40'01 | 17° 5 | 5°30 | 10°55 | 18°48 | 8°31 | 16°11 | 3°25 | 15°R59 | 11°58 | 16°52 | 18°27 | 27°55 | 22°57 | F 18 |
| S 19 | 15 47 58 | 28°38'17 | 29°49 | 7°36 | 12° 1 | 19°35 | 8°39 | 16° 7 | 3°23 | 15°59 | 11°57 | 16°44 | 18°24 | 28° 2 | 22°52 | S 19 |
| S 20 | 15 51 55 | 29°36'32 | 12♊18 | 9°41 | 13° 7 | 20°21 | 8°47 | 16° 3 | 3°20 | 15°59 | 11°55 | 16°37 | 18°20 | 28° 8 | 22°47 | S 20 |
| M21 | 15 55 51 | 0♊34'46 | 24°34 | 11°45 | 14°13 | 21° 7 | 8°56 | 15°59 | 3°18 | 15°58 | 11°54 | 16°33 | 18°17 | 28°15 | 22°43 | M21 |
| T 22 | 15 59 48 | 1°32'57 | 6♋37 | 13°46 | 15°18 | 21°53 | 9° 4 | 15°55 | 3°15 | 15°58 | 11°52 | 16°30 | 18°14 | 28°22 | 22°38 | T 22 |
| W23 | 16 3 44 | 2°31'07 | 18°32 | 15°46 | 16°24 | 22°40 | 9°13 | 15°50 | 3°13 | 15°58 | 11°50 | 16°D30 | 18°11 | 28°28 | 22°34 | W23 |
| T 24 | 16 7 41 | 3°29'15 | 0♌21 | 17°43 | 17°29 | 23°26 | 9°21 | 15°46 | 3°10 | 15°58 | 11°49 | 16°31 | 18° 8 | 28°35 | 22°29 | T 24 |
| F 25 | 16 11 37 | 4°27'21 | 12° 9 | 19°37 | 18°33 | 24°12 | 9°30 | 15°42 | 3° 8 | 15°58 | 11°47 | 16°32 | 18° 4 | 28°42 | 22°25 | F 25 |
| S 26 | 16 15 34 | 5°25'25 | 24° 0 | 21°28 | 19°38 | 24°58 | 9°39 | 15°37 | 3° 5 | 15°58 | 11°45 | 16°33 | 18° 1 | 28°48 | 22°21 | S 26 |
| S 27 | 16 19 30 | 6°23'28 | 5♍59 | 23°17 | 20°42 | 25°44 | 9°48 | 15°33 | 3° 3 | 15°57 | 11°44 | 16°R34 | 17°58 | 28°55 | 22°16 | S 27 |
| M28 | 16 23 27 | 7°21'28 | 18°12 | 25° 2 | 21°46 | 26°30 | 9°57 | 15°28 | 3° 0 | 15°57 | 11°42 | 16°33 | 17°55 | 29° 1 | 22°12 | M28 |
| T 29 | 16 27 24 | 8°19'27 | 0♎43 | 26°44 | 22°50 | 27°16 | 10° 6 | 15°24 | 2°58 | 15°57 | 11°40 | 16°31 | 17°52 | 29° 8 | 22° 8 | T 29 |
| W30 | 16 31 20 | 9°17'24 | 13°36 | 28°23 | 23°54 | 28° 2 | 10°15 | 15°20 | 2°55 | 15°56 | 11°39 | 16°27 | 17°49 | 29°15 | 22° 3 | W30 |
| T 31 | 16 35 17 | 10♊15'19 | 26♎54 | 29♊58 | 24♋57 | 28♈48 | 10♌25 | 15♐15 | 2♐52 | 15♒56 | 11♐37 | 16♋23 | 17♋45 | 29♋21 | 21♏59 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 15n 4 | 7n 3 | 4n34 | 9n49 | 1s45 | 25n 5 | 2n 2 | 1n 7 | 1s12 | 19n 4 | 0n34 | 20s43 | 2n 0 | 20s37 | 0n14 | 15s45 | 0n15 | 8s12 | 14n 4 | 22n 3 | 21n55 | 21n25 | 15s45 | 3n 4 | |
| W 2 | 15 22 | 2 19 | 4 56 | 10 35 | 1 39 | 25 12 | 2 5 | 1 26 | 1 12 | 19 3 | 0 34 | 20 42 | 2 0 | 20 37 | 0 14 | 15 44 | 0 15 | 8 12 | 14 4 | 22 4 | 21 56 | 21 25 | 15 44 | 3 4 | |
| T 3 | 15 40 | 2s40 | 5 3 | 11 22 | 1 31 | 25 18 | 2 7 | 1 44 | 1 12 | 19 1 | 0 34 | 20 42 | 2 0 | 20 37 | 0 14 | 15 44 | 0 15 | 8 11 | 14 4 | 22 6 | 21 56 | 21 24 | 15 43 | 3 5 | |
| F 4 | 15 58 | 7 39 | 4 54 | 12 8 | 1 24 | 25 23 | 2 10 | 2 3 | 1 12 | 19 0 | 0 34 | 20 42 | 2 0 | 20 36 | 0 14 | 15 44 | 0 15 | 8 11 | 14 5 | 22 7 | 21 57 | 21 24 | 15 41 | 3 5 | |
| S 5 | 16 15 | 12 23 | 4 27 | 12 55 | 1 16 | 25 28 | 2 12 | 2 21 | 1 11 | 18 58 | 0 34 | 20 41 | 2 0 | 20 36 | 0 14 | 15 44 | 0 15 | 8 11 | 14 5 | 22 8 | 21 57 | 21 24 | 15 40 | 3 5 | |
| S 6 | 16 32 | 16 31 | 3 43 | 13 41 | 1 7 | 25 32 | 2 15 | 2 39 | 1 11 | 18 57 | 0 34 | 20 41 | 2 0 | 20 35 | 0 14 | 15 44 | 0 15 | 8 10 | 14 5 | 22 9 | 21 58 | 21 23 | 15 38 | 3 6 | |
| M 7 | 16 49 | 19 44 | 2 45 | 14 28 | 0 58 | 25 35 | 2 17 | 2 58 | 1 11 | 18 55 | 0 34 | 20 40 | 2 0 | 20 35 | 0 14 | 15 44 | 0 15 | 8 10 | 14 5 | 22 10 | 21 58 | 21 23 | 15 37 | 3 6 | |
| T 8 | 17 5 | 21 43 | 1 35 | 15 14 | 0 49 | 25 38 | 2 19 | 3 16 | 1 11 | 18 54 | 0 34 | 20 40 | 2 0 | 20 34 | 0 14 | 15 44 | 0 15 | 8 10 | 14 5 | 22 11 | 21 59 | 21 22 | 15 35 | 3 7 | |
| W 9 | 17 21 | 22 17 | 0 20 | 15 59 | 0 39 | 25 40 | 2 22 | 3 34 | 1 11 | 18 52 | 0 34 | 20 40 | 2 0 | 20 34 | 0 14 | 15 44 | 0 15 | 8 10 | 14 5 | 22 11 | 21 59 | 21 22 | 15 34 | 3 7 | |
| T 10 | 17 37 | 21 22 | 0s57 | 16 44 | 0 29 | 25 41 | 2 24 | 3 52 | 1 11 | 18 50 | 0 34 | 20 39 | 2 1 | 20 34 | 0 14 | 15 44 | 0 15 | 8 9 | 14 5 | 22 11 | 21 59 | 21 21 | 15 32 | 3 7 | |
| F 11 | 17 52 | 19 6 | 2 9 | 17 28 | 0 19 | 25 42 | 2 26 | 4 10 | 1 11 | 18 48 | 0 34 | 20 39 | 2 1 | 20 33 | 0 14 | 15 43 | 0 15 | 8 9 | 14 5 | 22 11 | 22 0 | 21 21 | 15 31 | 3 8 | |
| S 12 | 18 8 | 15 42 | 3 13 | 18 11 | 0 9 | 25 42 | 2 28 | 4 28 | 1 10 | 18 47 | 0 34 | 20 38 | 2 1 | 20 33 | 0 14 | 15 43 | 0 15 | 8 9 | 14 6 | 22 11 | 22 0 | 21 21 | 15 29 | 3 8 | |
| S 13 | 18 22 | 11 28 | 4 5 | 18 53 | 0n 2 | 25 42 | 2 30 | 4 46 | 1 10 | 18 45 | 0 34 | 20 38 | 2 1 | 20 32 | 0 14 | 15 43 | 0 15 | 8 8 | 14 6 | 22 11 | 22 1 | 21 20 | 15 28 | 3 8 | |
| M14 | 18 37 | 6 41 | 4 42 | 19 34 | 0 12 | 25 40 | 2 31 | 5 4 | 1 10 | 18 43 | 0 34 | 20 37 | 2 1 | 20 32 | 0 14 | 15 43 | 0 15 | 8 8 | 14 6 | 22 11 | 22 1 | 21 20 | 15 26 | 3 9 | |
| T 15 | 18 51 | 1 39 | 5 2 | 20 13 | 0 23 | 25 38 | 2 33 | 5 22 | 1 10 | 18 41 | 0 34 | 20 37 | 2 1 | 20 31 | 0 14 | 15 43 | 0 15 | 8 8 | 14 6 | 22 12 | 22 2 | 21 19 | 15 25 | 3 9 | |
| W16 | 19 5 | 3n24 | 5 6 | 20 51 | 0 34 | 25 36 | 2 35 | 5 40 | 1 10 | 18 39 | 0 34 | 20 37 | 2 1 | 20 31 | 0 14 | 15 43 | 0 15 | 8 8 | 14 6 | 22 13 | 22 2 | 21 19 | 15 23 | 3 9 | |
| T 17 | 19 19 | 8 13 | 4 53 | 21 26 | 0 44 | 25 33 | 2 36 | 5 58 | 1 9 | 18 37 | 0 34 | 20 36 | 2 1 | 20 30 | 0 14 | 15 43 | 0 15 | 8 7 | 14 6 | 22 14 | 22 2 | 21 18 | 15 22 | 3 10 | |
| F 18 | 19 32 | 12 36 | 4 25 | 22 0 | 0 54 | 25 29 | 2 38 | 6 16 | 1 9 | 18 35 | 0 34 | 20 36 | 2 1 | 20 30 | 0 14 | 15 43 | 0 15 | 8 7 | 14 6 | 22 15 | 22 3 | 21 18 | 15 20 | 3 10 | |
| S 19 | 19 45 | 16 20 | 3 45 | 22 31 | 1 4 | 25 24 | 2 39 | 6 33 | 1 9 | 18 33 | 0 34 | 20 35 | 2 1 | 20 29 | 0 14 | 15 43 | 0 15 | 8 7 | 14 6 | 22 16 | 22 3 | 21 17 | 15 19 | 3 10 | |
| S 20 | 19 58 | 19 16 | 2 54 | 23 0 | 1 14 | 25 19 | 2 40 | 6 51 | 1 9 | 18 31 | 0 34 | 20 35 | 2 1 | 20 29 | 0 14 | 15 43 | 0 15 | 8 7 | 14 6 | 22 17 | 22 4 | 21 17 | 15 18 | 3 11 | |
| M21 | 20 10 | 21 16 | 1 56 | 23 26 | 1 23 | 25 14 | 2 41 | 7 8 | 1 8 | 18 29 | 0 34 | 20 34 | 2 1 | 20 28 | 0 14 | 15 43 | 0 15 | 8 6 | 14 6 | 22 18 | 22 4 | 21 17 | 15 16 | 3 11 | |
| T 22 | 20 22 | 22 16 | 0 53 | 23 50 | 1 31 | 25 7 | 2 42 | 7 26 | 1 8 | 18 26 | 0 34 | 20 34 | 2 1 | 20 28 | 0 14 | 15 43 | 0 15 | 8 6 | 14 6 | 22 18 | 22 5 | 21 16 | 15 15 | 3 11 | |
| W23 | 20 33 | 22 13 | 0n11 | 24 12 | 1 39 | 25 0 | 2 43 | 7 43 | 1 8 | 18 24 | 0 34 | 20 34 | 2 1 | 20 28 | 0 14 | 15 43 | 0 15 | 8 6 | 14 6 | 22 18 | 22 5 | 21 16 | 15 13 | 3 12 | |
| T 24 | 20 44 | 21 11 | 1 15 | 24 31 | 1 47 | 24 53 | 2 44 | 8 0 | 1 8 | 18 22 | 0 34 | 20 33 | 2 1 | 20 27 | 0 14 | 15 43 | 0 15 | 8 6 | 14 6 | 22 18 | 22 5 | 21 15 | 15 12 | 3 12 | |
| F 25 | 20 55 | 19 13 | 2 15 | 24 47 | 1 53 | 24 45 | 2 44 | 8 17 | 1 7 | 18 20 | 0 34 | 20 33 | 2 1 | 20 27 | 0 14 | 15 43 | 0 15 | 8 6 | 14 6 | 22 18 | 22 6 | 21 15 | 15 11 | 3 12 | |
| S 26 | 21 6 | 16 26 | 3 10 | 25 1 | 1 59 | 24 36 | 2 45 | 8 34 | 1 7 | 18 17 | 0 34 | 20 32 | 2 1 | 20 26 | 0 14 | 15 44 | 0 15 | 8 5 | 14 6 | 22 17 | 22 6 | 21 14 | 15 9 | 3 12 | |
| S 27 | 21 16 | 12 56 | 3 57 | 25 13 | 2 5 | 24 27 | 2 45 | 8 51 | 1 7 | 18 15 | 0 34 | 20 32 | 2 1 | 20 26 | 0 14 | 15 44 | 0 15 | 8 5 | 14 6 | 22 17 | 22 7 | 21 14 | 15 8 | 3 13 | |
| M28 | 21 25 | 8 51 | 4 34 | 25 22 | 2 9 | 24 17 | 2 46 | 9 8 | 1 6 | 18 12 | 0 34 | 20 31 | 2 1 | 20 25 | 0 14 | 15 44 | 0 15 | 8 5 | 14 6 | 22 17 | 22 7 | 21 13 | 15 7 | 3 13 | |
| T 29 | 21 35 | 4 18 | 5 0 | 25 29 | 2 13 | 24 7 | 2 46 | 9 25 | 1 6 | 18 10 | 0 34 | 20 31 | 2 1 | 20 25 | 0 14 | 15 44 | 0 15 | 8 5 | 14 6 | 22 18 | 22 8 | 21 12 | 15 5 | 3 13 | |
| W30 | 21 43 | 0s33 | 5 11 | 25 33 | 2 15 | 23 56 | 2 46 | 9 42 | 1 6 | 18 7 | 0 34 | 20 30 | 2 1 | 20 24 | 0 14 | 15 44 | 0 15 | 8 5 | 14 6 | 22 18 | 22 8 | 21 12 | 15 4 | 3 13 | |
| T 31 | 21n52 | 5s33 | 5n 6 | 25n36 | 2n17 | 23n45 | 2n46 | 9n58 | 1s 5 | 18n 5 | 0n34 | 20s30 | 2n 1 | 20s24 | 0n14 | 15s44 | 0n15 | 8s 4 | 14n 6 | 22n19 | 22n 8 | 21n11 | 15s 3 | 3n13 | |

Julian Day Number = 2812159.5, Delta T = 53m30s
Ecliptic obliquity = 23°18'38, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°33'41, Lahiri = 37°40'42


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# ASTRODIENST EPHEMERIS for the year 2987
# geocentric

## JUNE 2987 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 39 13 | 11♊13'12 | 10♏38 | 1♋30 | 26♋ 0 | 29♈34 | 10♌34 | 15°R11 | 2°R50 | 15°R55 | 11°R36 | 16°R17 | 17♋42 | 29♋28 | 21°R55 | F 1 |
| S 2 | 16 43 10 | 12°11'04 | 24°45 | 2°58 | 27° 2 | 0♉20 | 10°44 | 15♐ 6 | 2♐47 | 15♒55 | 11♐34 | 16♋12 | 17°39 | 29°35 | 21♏51 | S 2 |
| S 3 | 16 47 6 | 13° 8'55 | 9♐13 | 4°23 | 28° 5 | 1° 5 | 10°53 | 15° 2 | 2°45 | 15°54 | 11°32 | 16° 7 | 17°36 | 29°41 | 21°47 | S 3 |
| M 4 | 16 51 3 | 14° 6'44 | 23°55 | 5°44 | 29° 7 | 1°51 | 11° 3 | 14°57 | 2°43 | 15°54 | 11°31 | 16° 4 | 17°33 | 29°48 | 21°43 | M 4 |
| T 5 | 16 54 59 | 15° 4'32 | 8♑44 | 7° 1 | 0♌ 8 | 2°37 | 11°13 | 14°53 | 2°40 | 15°53 | 11°29 | 16° 3 | 17°30 | 29°55 | 21°39 | T 5 |
| W 6 | 16 58 56 | 16° 2'19 | 23°32 | 8°15 | 1°10 | 3°23 | 11°23 | 14°48 | 2°38 | 15°53 | 11°27 | 16°D 3 | 17°26 | 0♌ 1 | 21°35 | W 6 |
| T 7 | 17 2 53 | 17° 0'04 | 8♒13 | 9°25 | 2°11 | 4° 8 | 11°33 | 14°44 | 2°35 | 15°52 | 11°26 | 16° 4 | 17°23 | 0° 8 | 21°31 | T 7 |
| F 8 | 17 6 49 | 17°57'49 | 22°42 | 10°31 | 3°12 | 4°54 | 11°43 | 14°39 | 2°33 | 15°52 | 11°24 | 16° 5 | 17°20 | 0°15 | 21°27 | F 8 |
| S 9 | 17 10 46 | 18°55'32 | 6♓56 | 11°33 | 4°12 | 5°39 | 11°54 | 14°35 | 2°30 | 15°51 | 11°22 | 16° 7 | 17°17 | 0°21 | 21°24 | S 9 |
| S 10 | 17 14 42 | 19°53'14 | 20°53 | 12°32 | 5°12 | 6°25 | 12° 4 | 14°30 | 2°28 | 15°50 | 11°21 | 16°R 7 | 17°14 | 0°28 | 21°20 | S 10 |
| M11 | 17 18 39 | 20°50'56 | 4♈31 | 13°26 | 6°11 | 7°10 | 12°14 | 14°26 | 2°26 | 15°49 | 11°19 | 16° 6 | 17°10 | 0°35 | 21°16 | M11 |
| T 12 | 17 22 35 | 21°48'36 | 17°53 | 14°16 | 7°11 | 7°56 | 12°25 | 14°21 | 2°23 | 15°49 | 11°17 | 16° 5 | 17° 7 | 0°41 | 21°13 | T 12 |
| W13 | 17 26 32 | 22°46'16 | 0♉59 | 15° 2 | 8° 9 | 8°41 | 12°35 | 14°17 | 2°21 | 15°48 | 11°16 | 16° 2 | 17° 4 | 0°48 | 21° 9 | W13 |
| T 14 | 17 30 28 | 23°43'54 | 13°50 | 15°44 | 9° 8 | 9°27 | 12°46 | 14°12 | 2°19 | 15°47 | 11°14 | 15°59 | 17° 1 | 0°55 | 21° 6 | T 14 |
| F 15 | 17 34 25 | 24°41'32 | 26°27 | 16°21 | 10° 6 | 10°12 | 12°57 | 14° 8 | 2°16 | 15°46 | 11°12 | 15°55 | 16°58 | 1° 1 | 21° 3 | F 15 |
| S 16 | 17 38 22 | 25°39'09 | 8♊51 | 16°54 | 11° 3 | 10°57 | 13° 8 | 14° 4 | 2°14 | 15°45 | 11°11 | 15°52 | 16°55 | 1° 8 | 21° 0 | S 16 |
| S 17 | 17 42 18 | 26°36'45 | 21° 5 | 17°23 | 12° 0 | 11°42 | 13°19 | 13°59 | 2°12 | 15°44 | 11° 9 | 15°50 | 16°51 | 1°14 | 20°56 | S 17 |
| M18 | 17 46 15 | 27°34'19 | 3♋ 9 | 17°47 | 12°57 | 12°27 | 13°30 | 13°55 | 2°10 | 15°44 | 11° 8 | 15°49 | 16°48 | 1°21 | 20°53 | M18 |
| T 19 | 17 50 11 | 28°31'53 | 15° 5 | 18° 6 | 13°53 | 13°13 | 13°41 | 13°51 | 2° 7 | 15°43 | 11° 6 | 15°D48 | 16°45 | 1°28 | 20°50 | T 19 |
| W20 | 17 54 8 | 29°29'26 | 26°55 | 18°21 | 14°49 | 13°58 | 13°52 | 13°46 | 2° 5 | 15°42 | 11° 5 | 15°48 | 16°42 | 1°34 | 20°47 | W20 |
| T 21 | 17 58 4 | 0♋26'57 | 8♌43 | 18°32 | 15°44 | 14°43 | 14° 3 | 13°42 | 2° 3 | 15°41 | 11° 3 | 15°49 | 16°39 | 1°41 | 20°45 | T 21 |
| F 22 | 18 2 1 | 1°24'28 | 20°30 | 18°37 | 16°39 | 15°28 | 14°15 | 13°38 | 2° 1 | 15°40 | 11° 1 | 15°51 | 16°36 | 1°48 | 20°42 | F 22 |
| S 23 | 18 5 58 | 2°21'57 | 2♍22 | 18°R38 | 17°33 | 16°12 | 14°26 | 13°34 | 1°59 | 15°39 | 11° 0 | 15°52 | 16°32 | 1°54 | 20°39 | S 23 |
| S 24 | 18 9 54 | 3°19'25 | 14°22 | 18°35 | 18°26 | 16°57 | 14°37 | 13°30 | 1°57 | 15°37 | 10°58 | 15°53 | 16°29 | 2° 1 | 20°37 | S 24 |
| M25 | 18 13 51 | 4°16'52 | 26°34 | 18°27 | 19°19 | 17°42 | 14°49 | 13°26 | 1°55 | 15°36 | 10°57 | 15°53 | 16°26 | 2° 8 | 20°34 | M25 |
| T 26 | 18 17 47 | 5°14'18 | 9♎ 3 | 18°15 | 20°11 | 18°27 | 15° 0 | 13°22 | 1°53 | 15°35 | 10°55 | 15°R54 | 16°23 | 2°14 | 20°32 | T 26 |
| W27 | 18 21 44 | 6°11'43 | 21°52 | 17°59 | 21° 3 | 19°11 | 15°12 | 13°18 | 1°51 | 15°34 | 10°54 | 15°53 | 16°20 | 2°21 | 20°30 | W27 |
| T 28 | 18 25 40 | 7° 9'07 | 5♏ 7 | 17°39 | 21°54 | 19°56 | 15°24 | 13°14 | 1°49 | 15°33 | 10°53 | 15°52 | 16°16 | 2°28 | 20°27 | T 28 |
| F 29 | 18 29 37 | 8° 6'30 | 18°48 | 17°16 | 22°44 | 20°40 | 15°36 | 13°10 | 1°47 | 15°32 | 10°51 | 15°52 | 16°13 | 2°34 | 20°25 | F 29 |
| S 30 | 18 33 33 | 9♋ 3'52 | 2♐55 | 16♋50 | 23♌33 | 21♉25 | 15♌47 | 13♐ 6 | 1♐45 | 15♒31 | 10♐50 | 15♋51 | 16♋10 | 2♌41 | 20♏23 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n 0 | 10s26 | 4n44 | 25n36 | 2n18 | 23n33 | 2n46 | 10n15 | 1s 5 | 18n 2 | 0n34 | 20s30 | 2n 1 | 20s23 | 0n14 | 15s44 | 0n15 | 8s 4 | 14n 6 | 22n19 | 22n 9 | 21n11 | 15s 2 | 3n14 |
| S 2 | 22 8 | 14 54 | 4 4 | 25 35 | 2 18 | 23 21 | 2 45 | 10 31 | 1 5 | 18 0 | 0 34 | 20 29 | 2 1 | 20 23 | 0 14 | 15 44 | 0 15 | 8 4 | 14 6 | 22 20 | 22 9 | 21 10 | 15 0 | 3 14 |
| S 3 | 22 15 | 18 37 | 3 8 | 25 32 | 2 18 | 23 8 | 2 45 | 10 47 | 1 4 | 17 57 | 0 34 | 20 29 | 2 1 | 20 22 | 0 14 | 15 44 | 0 15 | 8 4 | 14 6 | 22 21 | 22 10 | 21 10 | 14 59 | 3 14 |
| M 4 | 22 22 | 21 12 | 1 58 | 25 27 | 2 16 | 22 54 | 2 44 | 11 3 | 1 4 | 17 54 | 0 34 | 20 28 | 2 0 | 20 22 | 0 14 | 15 45 | 0 15 | 8 4 | 14 6 | 22 21 | 22 10 | 21 9 | 14 58 | 3 14 |
| T 5 | 22 29 | 22 22 | 0 40 | 25 21 | 2 14 | 22 41 | 2 44 | 11 19 | 1 4 | 17 52 | 0 34 | 20 28 | 2 0 | 20 21 | 0 14 | 15 45 | 0 15 | 8 4 | 14 6 | 22 21 | 22 10 | 21 9 | 14 57 | 3 14 |
| W 6 | 22 35 | 21 57 | 0s41 | 25 13 | 2 10 | 22 26 | 2 43 | 11 35 | 1 3 | 17 49 | 0 34 | 20 27 | 2 0 | 20 21 | 0 14 | 15 45 | 0 15 | 8 4 | 14 6 | 22 21 | 22 11 | 21 8 | 14 56 | 3 15 |
| T 7 | 22 41 | 20 1 | 1 59 | 25 4 | 2 6 | 22 12 | 2 42 | 11 51 | 1 3 | 17 46 | 0 34 | 20 27 | 2 0 | 20 20 | 0 14 | 15 45 | 0 15 | 8 4 | 14 5 | 22 21 | 22 11 | 21 8 | 14 54 | 3 15 |
| F 8 | 22 46 | 16 50 | 3 8 | 24 54 | 2 1 | 21 56 | 2 41 | 12 6 | 1 3 | 17 43 | 0 34 | 20 27 | 2 0 | 20 20 | 0 14 | 15 45 | 0 15 | 8 4 | 14 5 | 22 21 | 22 12 | 21 7 | 14 53 | 3 15 |
| S 9 | 22 51 | 12 42 | 4 4 | 24 43 | 1 55 | 21 41 | 2 39 | 12 22 | 1 2 | 17 41 | 0 34 | 20 26 | 2 0 | 20 20 | 0 14 | 15 46 | 0 15 | 8 4 | 14 5 | 22 21 | 22 12 | 21 6 | 14 52 | 3 15 |
| S 10 | 22 56 | 7 58 | 4 45 | 24 31 | 1 48 | 21 25 | 2 38 | 12 37 | 1 2 | 17 38 | 0 34 | 20 26 | 2 0 | 20 19 | 0 14 | 15 46 | 0 15 | 8 3 | 14 5 | 22 21 | 22 12 | 21 6 | 14 51 | 3 15 |
| M11 | 23 0 | 2 56 | 5 8 | 24 18 | 1 40 | 21 9 | 2 36 | 12 52 | 1 1 | 17 35 | 0 34 | 20 25 | 2 0 | 20 19 | 0 14 | 15 46 | 0 15 | 8 3 | 14 5 | 22 21 | 22 13 | 21 5 | 14 50 | 3 15 |
| T 12 | 23 4 | 2n 8 | 5 14 | 24 4 | 1 31 | 20 52 | 2 34 | 13 7 | 1 1 | 17 32 | 0 34 | 20 25 | 2 0 | 20 18 | 0 14 | 15 46 | 0 15 | 8 3 | 14 5 | 22 21 | 22 13 | 21 5 | 14 49 | 3 16 |
| W13 | 23 7 | 7 0 | 5 4 | 23 49 | 1 22 | 20 35 | 2 32 | 13 22 | 1 0 | 17 29 | 0 34 | 20 24 | 2 0 | 20 18 | 0 14 | 15 46 | 0 15 | 8 3 | 14 5 | 22 21 | 22 14 | 21 4 | 14 48 | 3 16 |
| T 14 | 23 10 | 11 28 | 4 38 | 23 34 | 1 11 | 20 17 | 2 30 | 13 37 | 1 0 | 17 26 | 0 34 | 20 24 | 2 0 | 20 17 | 0 14 | 15 47 | 0 15 | 8 3 | 14 4 | 22 22 | 22 14 | 21 3 | 14 47 | 3 16 |
| F 15 | 23 12 | 15 22 | 4 0 | 23 18 | 1 0 | 20 0 | 2 28 | 13 51 | 0 59 | 17 23 | 0 34 | 20 24 | 2 0 | 20 17 | 0 14 | 15 47 | 0 15 | 8 3 | 14 4 | 22 22 | 22 14 | 21 3 | 14 46 | 3 16 |
| S 16 | 23 14 | 18 32 | 3 10 | 23 2 | 0 48 | 19 42 | 2 25 | 14 6 | 0 59 | 17 20 | 0 34 | 20 23 | 2 0 | 20 16 | 0 14 | 15 47 | 0 15 | 8 3 | 14 4 | 22 22 | 22 15 | 21 2 | 14 45 | 3 16 |
| S 17 | 23 16 | 20 49 | 2 12 | 22 46 | 0 35 | 19 23 | 2 23 | 14 20 | 0 59 | 17 17 | 0 34 | 20 23 | 1 59 | 20 16 | 0 14 | 15 47 | 0 15 | 8 3 | 14 4 | 22 23 | 22 15 | 21 2 | 14 44 | 3 16 |
| M18 | 23 17 | 22 7 | 1 9 | 22 29 | 0 21 | 19 4 | 2 20 | 14 34 | 0 58 | 17 14 | 0 34 | 20 22 | 1 59 | 20 16 | 0 14 | 15 48 | 0 15 | 8 3 | 14 4 | 22 23 | 22 16 | 21 1 | 14 43 | 3 16 |
| T 19 | 23 18 | 22 24 | 0 4 | 22 13 | 0 7 | 18 45 | 2 17 | 14 48 | 0 58 | 17 11 | 0 34 | 20 22 | 1 59 | 20 15 | 0 14 | 15 48 | 0 15 | 8 3 | 14 3 | 22 23 | 22 16 | 21 0 | 14 43 | 3 16 |
| W20 | 23 19 | 21 40 | 1n 1 | 21 56 | 0s 8 | 18 26 | 2 14 | 15 2 | 0 57 | 17 7 | 0 34 | 20 22 | 1 59 | 20 15 | 0 14 | 15 48 | 0 15 | 8 3 | 14 3 | 22 23 | 22 16 | 21 0 | 14 42 | 3 16 |
| T 21 | 23 19 | 19 58 | 2 4 | 21 39 | 0 23 | 18 7 | 2 10 | 15 16 | 0 57 | 17 4 | 0 34 | 20 21 | 1 59 | 20 14 | 0 13 | 15 49 | 0 15 | 8 3 | 14 3 | 22 23 | 22 17 | 20 59 | 14 41 | 3 16 |
| F 22 | 23 18 | 17 26 | 3 1 | 21 23 | 0 39 | 17 47 | 2 7 | 15 29 | 0 56 | 17 1 | 0 34 | 20 21 | 1 59 | 20 14 | 0 13 | 15 49 | 0 15 | 8 3 | 14 3 | 22 23 | 22 17 | 20 58 | 14 40 | 3 16 |
| S 23 | 23 17 | 14 10 | 3 50 | 21 6 | 0 56 | 17 27 | 2 3 | 15 43 | 0 55 | 16 58 | 0 34 | 20 20 | 1 59 | 20 14 | 0 13 | 15 49 | 0 15 | 8 3 | 14 3 | 22 22 | 22 18 | 20 58 | 14 39 | 3 17 |
| S 24 | 23 16 | 10 17 | 4 31 | 20 50 | 1 13 | 17 7 | 1 59 | 15 56 | 0 55 | 16 54 | 0 34 | 20 20 | 1 59 | 20 13 | 0 13 | 15 50 | 0 15 | 8 3 | 14 2 | 22 22 | 22 18 | 20 57 | 14 39 | 3 17 |
| M25 | 23 15 | 5 57 | 5 0 | 20 34 | 1 30 | 16 46 | 1 55 | 16 9 | 0 54 | 16 51 | 0 34 | 20 20 | 1 58 | 20 13 | 0 13 | 15 50 | 0 15 | 8 4 | 14 2 | 22 22 | 22 18 | 20 56 | 14 38 | 3 17 |
| T 26 | 23 12 | 1 16 | 5 15 | 20 19 | 1 47 | 16 26 | 1 51 | 16 22 | 0 54 | 16 48 | 0 34 | 20 19 | 1 58 | 20 12 | 0 13 | 15 50 | 0 15 | 8 4 | 14 2 | 22 22 | 22 19 | 20 56 | 14 37 | 3 17 |
| W27 | 23 10 | 3s35 | 5 16 | 20 4 | 2 4 | 16 5 | 1 46 | 16 34 | 0 53 | 16 44 | 0 34 | 20 19 | 1 58 | 20 12 | 0 13 | 15 51 | 0 15 | 8 4 | 14 1 | 22 22 | 22 19 | 20 55 | 14 37 | 3 17 |
| T 28 | 23 7 | 8 26 | 5 0 | 19 50 | 2 21 | 15 44 | 1 42 | 16 47 | 0 53 | 16 41 | 0 34 | 20 19 | 1 58 | 20 12 | 0 13 | 15 51 | 0 15 | 8 4 | 14 1 | 22 22 | 22 19 | 20 54 | 14 36 | 3 17 |
| F 29 | 23 4 | 13 3 | 4 27 | 19 36 | 2 38 | 15 23 | 1 37 | 16 59 | 0 52 | 16 37 | 0 34 | 20 18 | 1 58 | 20 11 | 0 13 | 15 51 | 0 15 | 8 4 | 14 1 | 22 22 | 22 20 | 20 54 | 14 36 | 3 17 |
| S 30 | 23n 0 | 17s 5 | 3n37 | 19n23 | 2s54 | 15n 2 | 1n32 | 17n11 | 0s52 | 16n34 | 0n34 | 20s18 | 1n58 | 20s11 | 0n13 | 15s52 | 0n15 | 8s 4 | 14n 1 | 22n23 | 22n20 | 20n53 | 14s35 | 3n17 |

Julian Day Number = 2812190.5, Delta T = 53m31s
Ecliptic obliquity = 23°18'38, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°33'46, Lahiri = 37°40'46


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# ASTRODIENST EPHEMERIS for the year 2987
# geocentric

## JULY 2987 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 37 30 | 10♋ 1'13 | 17♐27 | 16°R21 | 24♌22 | 22♉ 9 | 15♌59 | 13°R 2 | 1°R43 | 15°R29 | 10°R48 | 15°R50 | 16♋ 7 | 2♌48 | 20°R22 | S 1 |
| M 2 | 18 41 27 | 10°58'34 | 2♑18 | 15♋50 | 25°10 | 22°54 | 16°11 | 12♐59 | 1♐42 | 15♒28 | 10♐47 | 15♋50 | 16° 4 | 2°54 | 20♏20 | M 2 |
| T 3 | 18 45 23 | 11°55'54 | 17°22 | 15°17 | 25°57 | 23°38 | 16°23 | 12°55 | 1°40 | 15°27 | 10°46 | 15°D50 | 16° 1 | 3° 1 | 20°18 | T 3 |
| W 4 | 18 49 20 | 12°53'13 | 2♒29 | 14°43 | 26°43 | 24°22 | 16°35 | 12°51 | 1°38 | 15°26 | 10°44 | 15°50 | 15°57 | 3° 8 | 20°16 | W 4 |
| T 5 | 18 53 16 | 13°50'31 | 17°31 | 14° 9 | 27°29 | 25° 6 | 16°47 | 12°48 | 1°37 | 15°24 | 10°43 | 15°50 | 15°54 | 3°14 | 20°15 | T 5 |
| F 6 | 18 57 13 | 14°47'50 | 2♓20 | 13°34 | 28°13 | 25°51 | 16°59 | 12°44 | 1°35 | 15°23 | 10°42 | 15°50 | 15°51 | 3°21 | 20°14 | F 6 |
| S 7 | 19 1 9 | 15°45'08 | 16°49 | 13° 1 | 28°57 | 26°35 | 17°12 | 12°41 | 1°33 | 15°22 | 10°40 | 15°R50 | 15°48 | 3°27 | 20°12 | S 7 |
| S 8 | 19 5 6 | 16°42'26 | 0♈55 | 12°28 | 29°40 | 27°19 | 17°24 | 12°38 | 1°32 | 15°20 | 10°39 | 15°50 | 15°45 | 3°34 | 20°11 | S 8 |
| M 9 | 19 9 2 | 17°39'43 | 14°37 | 11°58 | 0♍21 | 28° 3 | 17°36 | 12°34 | 1°30 | 15°19 | 10°38 | 15°D50 | 15°42 | 3°41 | 20°10 | M 9 |
| T 10 | 19 12 59 | 18°37'01 | 27°56 | 11°29 | 1° 2 | 28°46 | 17°49 | 12°31 | 1°29 | 15°17 | 10°37 | 15°50 | 15°38 | 3°47 | 20° 9 | T 10 |
| W11 | 19 16 56 | 19°34'18 | 10♉54 | 11° 4 | 1°41 | 29°30 | 18° 1 | 12°28 | 1°27 | 15°16 | 10°35 | 15°50 | 15°35 | 3°54 | 20° 8 | W11 |
| T 12 | 19 20 52 | 20°31'36 | 23°32 | 10°42 | 2°20 | 0♊14 | 18°13 | 12°25 | 1°26 | 15°15 | 10°34 | 15°51 | 15°32 | 4° 1 | 20° 7 | T 12 |
| F 13 | 19 24 49 | 21°28'53 | 5♊55 | 10°23 | 2°57 | 0°58 | 18°26 | 12°22 | 1°25 | 15°13 | 10°33 | 15°51 | 15°29 | 4° 7 | 20° 7 | F 13 |
| S 14 | 19 28 45 | 22°26'10 | 18° 6 | 10° 8 | 3°33 | 1°41 | 18°38 | 12°19 | 1°23 | 15°12 | 10°32 | 15°52 | 15°26 | 4°14 | 20° 6 | S 14 |
| S 15 | 19 32 42 | 23°23'28 | 0♋ 7 | 9°58 | 4° 8 | 2°25 | 18°51 | 12°16 | 1°22 | 15°10 | 10°31 | 15°52 | 15°22 | 4°21 | 20° 6 | S 15 |
| M16 | 19 36 38 | 24°20'45 | 12° 1 | 9°52 | 4°42 | 3° 8 | 19° 4 | 12°14 | 1°21 | 15° 9 | 10°30 | 15°R53 | 15°19 | 4°27 | 20° 5 | M16 |
| T 17 | 19 40 35 | 25°18'02 | 23°51 | 9°D51 | 5°14 | 3°52 | 19°16 | 12°11 | 1°20 | 15° 7 | 10°29 | 15°53 | 15°16 | 4°34 | 20° 5 | T 17 |
| W18 | 19 44 31 | 26°15'19 | 5♌39 | 9°54 | 5°45 | 4°35 | 19°29 | 12° 8 | 1°19 | 15° 6 | 10°28 | 15°52 | 15°13 | 4°41 | 20° 5 | W18 |
| T 19 | 19 48 28 | 27°12'35 | 17°26 | 10° 3 | 6°14 | 5°18 | 19°42 | 12° 6 | 1°18 | 15° 4 | 10°27 | 15°51 | 15°10 | 4°47 | 20°D 5 | T 19 |
| F 20 | 19 52 25 | 28° 9'52 | 29°17 | 10°16 | 6°42 | 6° 1 | 19°54 | 12° 3 | 1°17 | 15° 3 | 10°26 | 15°49 | 15° 7 | 4°54 | 20° 5 | F 20 |
| S 21 | 19 56 21 | 29° 7'08 | 11♍12 | 10°35 | 7° 8 | 6°44 | 20° 7 | 12° 1 | 1°16 | 15° 1 | 10°25 | 15°47 | 15° 3 | 5° 1 | 20° 5 | S 21 |
| S 22 | 20 0 18 | 0♌ 4'24 | 23°15 | 10°58 | 7°33 | 7°28 | 20°20 | 11°59 | 1°15 | 15° 0 | 10°24 | 15°46 | 15° 0 | 5° 7 | 20° 5 | S 22 |
| M23 | 20 4 14 | 1° 1'40 | 5♎30 | 11°27 | 7°56 | 8°10 | 20°33 | 11°57 | 1°14 | 14°58 | 10°23 | 15°44 | 14°57 | 5°14 | 20° 6 | M23 |
| T 24 | 20 8 11 | 1°58'55 | 17°59 | 12° 0 | 8°17 | 8°53 | 20°46 | 11°54 | 1°13 | 14°56 | 10°22 | 15°43 | 14°54 | 5°21 | 20° 6 | T 24 |
| W25 | 20 12 7 | 2°56'11 | 0♏46 | 12°39 | 8°37 | 9°36 | 20°59 | 11°52 | 1°12 | 14°55 | 10°21 | 15°D42 | 14°51 | 5°27 | 20° 7 | W25 |
| T 26 | 20 16 4 | 3°53'26 | 13°54 | 13°22 | 8°54 | 10°19 | 21°12 | 11°51 | 1°12 | 14°53 | 10°20 | 15°42 | 14°48 | 5°34 | 20° 8 | T 26 |
| F 27 | 20 20 0 | 4°50'41 | 27°27 | 14°11 | 9°10 | 11° 1 | 21°25 | 11°49 | 1°11 | 14°52 | 10°20 | 15°43 | 14°44 | 5°41 | 20° 8 | F 27 |
| S 28 | 20 23 57 | 5°47'56 | 11♐26 | 15° 4 | 9°23 | 11°44 | 21°38 | 11°47 | 1°10 | 14°50 | 10°19 | 15°44 | 14°41 | 5°47 | 20° 9 | S 28 |
| S 29 | 20 27 54 | 6°45'11 | 25°50 | 16° 2 | 9°35 | 12°27 | 21°51 | 11°45 | 1°10 | 14°48 | 10°18 | 15°46 | 14°38 | 5°54 | 20°10 | S 29 |
| M30 | 20 31 50 | 7°42'26 | 10♑36 | 17° 5 | 9°44 | 13° 9 | 22° 4 | 11°44 | 1° 9 | 14°47 | 10°17 | 15°R46 | 14°35 | 6° 1 | 20°12 | M30 |
| T 31 | 20 35 47 | 8♌39'41 | 25♑40 | 18♋13 | 9♍52 | 13♊51 | 22♌17 | 11♐42 | 1♐ 9 | 14♒45 | 10♐17 | 15♋46 | 14♋32 | 6♌ 7 | 20♏13 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n56 | 20s13 | 2n31 | 19n11 | 3s10 | 14n41 | 1n26 | 17n23 | 0s51 | 16n30 | 0n34 | 20s18 | 1n58 | 20s11 | 0n13 | 15s52 | 0n15 | 8s 4 | 14n 0 | 22n23 | 22n21 | 20n52 | 14s35 | 3n17 |
| M 2 | 22 52 | 22 3 | 1 14 | 19 0 | 3 24 | 14 20 | 1 21 | 17 35 | 0 50 | 16 27 | 0 34 | 20 17 | 1 57 | 20 10 | 0 13 | 15 52 | 0 15 | 8 4 | 14 0 | 22 23 | 22 21 | 20 52 | 14 34 | 3 17 |
| T 3 | 22 47 | 22 20 | 0s 9 | 18 49 | 3 39 | 13 58 | 1 15 | 17 47 | 0 50 | 16 23 | 0 34 | 20 17 | 1 57 | 20 10 | 0 13 | 15 53 | 0 15 | 8 4 | 14 0 | 22 23 | 22 21 | 20 51 | 14 34 | 3 17 |
| W 4 | 22 41 | 20 59 | 1 31 | 18 40 | 3 52 | 13 37 | 1 9 | 17 58 | 0 49 | 16 20 | 0 35 | 20 17 | 1 57 | 20 10 | 0 13 | 15 53 | 0 15 | 8 5 | 13 59 | 22 23 | 22 22 | 20 50 | 14 33 | 3 17 |
| T 5 | 22 36 | 18 9 | 2 47 | 18 32 | 4 3 | 13 16 | 1 2 | 18 9 | 0 49 | 16 16 | 0 35 | 20 17 | 1 57 | 20 9 | 0 13 | 15 54 | 0 15 | 8 5 | 13 59 | 22 23 | 22 22 | 20 49 | 14 33 | 3 17 |
| F 6 | 22 30 | 14 11 | 3 51 | 18 25 | 4 14 | 12 54 | 0 56 | 18 20 | 0 48 | 16 13 | 0 35 | 20 16 | 1 57 | 20 9 | 0 13 | 15 54 | 0 15 | 8 5 | 13 59 | 22 23 | 22 22 | 20 49 | 14 32 | 3 17 |
| S 7 | 22 23 | 9 27 | 4 38 | 18 19 | 4 23 | 12 33 | 0 49 | 18 31 | 0 47 | 16 9 | 0 35 | 20 16 | 1 57 | 20 9 | 0 13 | 15 54 | 0 15 | 8 5 | 13 58 | 22 23 | 22 23 | 20 48 | 14 32 | 3 17 |
| S 8 | 22 16 | 4 20 | 5 7 | 18 14 | 4 31 | 12 11 | 0 42 | 18 42 | 0 47 | 16 5 | 0 35 | 20 16 | 1 56 | 20 8 | 0 13 | 15 55 | 0 15 | 8 5 | 13 58 | 22 23 | 22 23 | 20 47 | 14 32 | 3 17 |
| M 9 | 22 9 | 0n51 | 5 18 | 18 10 | 4 37 | 11 50 | 0 35 | 18 52 | 0 46 | 16 2 | 0 35 | 20 16 | 1 56 | 20 8 | 0 13 | 15 55 | 0 15 | 8 5 | 13 58 | 22 23 | 22 24 | 20 46 | 14 31 | 3 17 |
| T 10 | 22 1 | 5 50 | 5 11 | 18 8 | 4 42 | 11 29 | 0 28 | 19 2 | 0 45 | 15 58 | 0 35 | 20 15 | 1 56 | 20 8 | 0 13 | 15 56 | 0 15 | 8 6 | 13 57 | 22 23 | 22 24 | 20 46 | 14 31 | 3 17 |
| W11 | 21 53 | 10 27 | 4 48 | 18 7 | 4 46 | 11 8 | 0 20 | 19 13 | 0 45 | 15 54 | 0 35 | 20 15 | 1 56 | 20 8 | 0 13 | 15 56 | 0 15 | 8 6 | 13 57 | 22 23 | 22 24 | 20 45 | 14 31 | 3 17 |
| T 12 | 21 45 | 14 29 | 4 12 | 18 6 | 4 47 | 10 46 | 0 12 | 19 22 | 0 44 | 15 50 | 0 35 | 20 15 | 1 56 | 20 7 | 0 13 | 15 56 | 0 15 | 8 6 | 13 56 | 22 23 | 22 25 | 20 44 | 14 31 | 3 17 |
| F 13 | 21 36 | 17 49 | 3 24 | 18 8 | 4 48 | 10 25 | 0 4 | 19 32 | 0 43 | 15 46 | 0 35 | 20 15 | 1 55 | 20 7 | 0 13 | 15 57 | 0 15 | 8 6 | 13 56 | 22 22 | 22 25 | 20 43 | 14 31 | 3 17 |
| S 14 | 21 27 | 20 19 | 2 28 | 18 10 | 4 47 | 10 5 | 0s 5 | 19 41 | 0 43 | 15 43 | 0 35 | 20 15 | 1 55 | 20 7 | 0 13 | 15 57 | 0 15 | 8 7 | 13 56 | 22 22 | 22 25 | 20 43 | 14 31 | 3 17 |
| S 15 | 21 18 | 21 52 | 1 26 | 18 13 | 4 44 | 9 44 | 0 14 | 19 51 | 0 42 | 15 39 | 0 35 | 20 14 | 1 55 | 20 7 | 0 13 | 15 58 | 0 15 | 8 7 | 13 55 | 22 22 | 22 26 | 20 42 | 14 30 | 3 17 |
| M16 | 21 8 | 22 25 | 0 21 | 18 17 | 4 40 | 9 23 | 0 23 | 20 0 | 0 41 | 15 35 | 0 35 | 20 14 | 1 55 | 20 6 | 0 13 | 15 58 | 0 15 | 8 7 | 13 55 | 22 22 | 22 26 | 20 41 | 14 30 | 3 17 |
| T 17 | 20 58 | 21 57 | 0n44 | 18 22 | 4 35 | 9 3 | 0 32 | 20 9 | 0 41 | 15 31 | 0 35 | 20 14 | 1 55 | 20 6 | 0 13 | 15 59 | 0 15 | 8 7 | 13 54 | 22 22 | 22 27 | 20 40 | 14 30 | 3 17 |
| W18 | 20 47 | 20 30 | 1 48 | 18 28 | 4 29 | 8 43 | 0 41 | 20 17 | 0 40 | 15 27 | 0 35 | 20 14 | 1 55 | 20 6 | 0 13 | 15 59 | 0 15 | 8 8 | 13 54 | 22 22 | 22 27 | 20 40 | 14 30 | 3 17 |
| T 19 | 20 36 | 18 10 | 2 46 | 18 35 | 4 22 | 8 23 | 0 51 | 20 26 | 0 39 | 15 23 | 0 35 | 20 14 | 1 54 | 20 6 | 0 13 | 15 59 | 0 15 | 8 8 | 13 54 | 22 23 | 22 27 | 20 39 | 14 30 | 3 17 |
| F 20 | 20 25 | 15 4 | 3 38 | 18 42 | 4 13 | 8 3 | 1 1 | 20 34 | 0 38 | 15 19 | 0 35 | 20 14 | 1 54 | 20 6 | 0 13 | 16 0 | 0 15 | 8 8 | 13 53 | 22 23 | 22 28 | 20 38 | 14 30 | 3 17 |
| S 21 | 20 13 | 11 21 | 4 21 | 18 50 | 4 4 | 7 44 | 1 11 | 20 42 | 0 38 | 15 15 | 0 35 | 20 14 | 1 54 | 20 5 | 0 13 | 16 0 | 0 15 | 8 8 | 13 53 | 22 23 | 22 28 | 20 37 | 14 31 | 3 17 |
| S 22 | 20 2 | 7 8 | 4 52 | 18 58 | 3 54 | 7 25 | 1 22 | 20 50 | 0 37 | 15 11 | 0 35 | 20 14 | 1 54 | 20 5 | 0 13 | 16 1 | 0 15 | 8 9 | 13 52 | 22 23 | 22 28 | 20 36 | 14 31 | 3 17 |
| M23 | 19 49 | 2 36 | 5 11 | 19 7 | 3 43 | 7 7 | 1 33 | 20 57 | 0 36 | 15 7 | 0 35 | 20 14 | 1 53 | 20 5 | 0 13 | 16 1 | 0 15 | 8 9 | 13 52 | 22 23 | 22 29 | 20 36 | 14 31 | 3 17 |
| T 24 | 19 37 | 2s 8 | 5 16 | 19 15 | 3 32 | 6 49 | 1 44 | 21 5 | 0 35 | 15 3 | 0 35 | 20 13 | 1 53 | 20 5 | 0 13 | 16 2 | 0 15 | 8 9 | 13 51 | 22 23 | 22 29 | 20 35 | 14 31 | 3 16 |
| W25 | 19 24 | 6 54 | 5 5 | 19 24 | 3 20 | 6 31 | 1 55 | 21 12 | 0 35 | 14 59 | 0 35 | 20 13 | 1 53 | 20 5 | 0 13 | 16 2 | 0 15 | 8 10 | 13 51 | 22 24 | 22 29 | 20 34 | 14 31 | 3 16 |
| T 26 | 19 11 | 11 29 | 4 39 | 19 32 | 3 8 | 6 13 | 2 7 | 21 19 | 0 34 | 14 55 | 0 35 | 20 13 | 1 53 | 20 5 | 0 13 | 16 3 | 0 15 | 8 10 | 13 51 | 22 24 | 22 30 | 20 33 | 14 31 | 3 16 |
| F 27 | 18 57 | 15 39 | 3 56 | 19 40 | 2 55 | 5 57 | 2 19 | 21 26 | 0 33 | 14 51 | 0 35 | 20 13 | 1 53 | 20 5 | 0 13 | 16 3 | 0 15 | 8 10 | 13 50 | 22 23 | 22 30 | 20 32 | 14 32 | 3 16 |
| S 28 | 18 43 | 19 5 | 2 58 | 19 48 | 2 41 | 5 40 | 2 31 | 21 32 | 0 32 | 14 47 | 0 35 | 20 13 | 1 52 | 20 5 | 0 13 | 16 4 | 0 15 | 8 11 | 13 50 | 22 23 | 22 30 | 20 31 | 14 32 | 3 16 |
| S 29 | 18 29 | 21 27 | 1 48 | 19 54 | 2 28 | 5 24 | 2 43 | 21 39 | 0 32 | 14 43 | 0 36 | 20 13 | 1 52 | 20 4 | 0 13 | 16 4 | 0 15 | 8 11 | 13 49 | 22 23 | 22 31 | 20 31 | 14 32 | 3 16 |
| M30 | 18 15 | 22 25 | 0 28 | 20 1 | 2 14 | 5 9 | 2 56 | 21 45 | 0 31 | 14 39 | 0 36 | 20 13 | 1 52 | 20 4 | 0 13 | 16 5 | 0 15 | 8 12 | 13 49 | 22 23 | 22 31 | 20 30 | 14 33 | 3 16 |
| T 31 | 18n 0 | 21s47 | 0s54 | 20n 6 | 2s 0 | 4n55 | 3s 9 | 21n51 | 0s30 | 14n34 | 0n36 | 20s13 | 1n52 | 20s 4 | 0n13 | 16s 5 | 0n15 | 8s12 | 13n48 | 22n23 | 22n31 | 20n29 | 14s33 | 3n16 |

Julian Day Number = 2812220.5, Delta T = 53m31s
Ecliptic obliquity = 23°18'38, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°33'50, Lahiri = 37°40'50


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# ASTRODIENST EPHEMERIS for the year 2987
# geocentric

## AUGUST 2987 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 39 43 | 9♌36'56 | 10♒53 | 19♋25 | 9♍57 | 14♊34 | 22♌30 | 11°R41 | 1°R 8 | 14°R44 | 10°R16 | 15°R45 | 14♋28 | 6♌14 | 20♏14 | W 1 |
| T 2 | 20 43 40 | 10°34'12 | 26° 5 | 20°41 | 10° 0 | 15°16 | 22°43 | 11♐40 | 1♐ 8 | 14♒42 | 10♐15 | 15♋43 | 14°25 | 6°20 | 20°16 | T 2 |
| F 3 | 20 47 36 | 11°31'28 | 11♓ 7 | 22° 2 | 10°R 0 | 15°58 | 22°56 | 11°38 | 1° 8 | 14°40 | 10°15 | 15°39 | 14°22 | 6°27 | 20°17 | F 3 |
| S 4 | 20 51 33 | 12°28'44 | 25°50 | 23°28 | 9°59 | 16°40 | 23° 9 | 11°37 | 1° 7 | 14°39 | 10°14 | 15°36 | 14°19 | 6°34 | 20°19 | S 4 |
| S 5 | 20 55 29 | 13°26'01 | 10♈ 8 | 24°58 | 9°54 | 17°22 | 23°22 | 11°36 | 1° 7 | 14°37 | 10°14 | 15°32 | 14°16 | 6°40 | 20°21 | S 5 |
| M 6 | 20 59 26 | 14°23'19 | 23°58 | 26°31 | 9°48 | 18° 4 | 23°35 | 11°35 | 1° 7 | 14°36 | 10°13 | 15°30 | 14°13 | 6°47 | 20°22 | M 6 |
| T 7 | 21 3 23 | 15°20'37 | 7♉21 | 28° 9 | 9°39 | 18°45 | 23°48 | 11°35 | 1° 7 | 14°34 | 10°13 | 15°28 | 14° 9 | 6°54 | 20°24 | T 7 |
| W 8 | 21 7 19 | 16°17'57 | 20°18 | 29°51 | 9°28 | 19°27 | 24° 2 | 11°34 | 1° 7 | 14°32 | 10°12 | 15°D28 | 14° 6 | 7° 0 | 20°27 | W 8 |
| T 9 | 21 11 16 | 17°15'17 | 2♊52 | 1♌36 | 9°14 | 20° 9 | 24°15 | 11°33 | 1°D 7 | 14°31 | 10°12 | 15°29 | 14° 3 | 7° 7 | 20°29 | T 9 |
| F 10 | 21 15 12 | 18°12'38 | 15° 9 | 3°24 | 8°58 | 20°50 | 24°28 | 11°33 | 1° 7 | 14°29 | 10°12 | 15°31 | 14° 0 | 7°14 | 20°31 | F 10 |
| S 11 | 21 19 9 | 19°10'00 | 27°12 | 5°16 | 8°40 | 21°32 | 24°41 | 11°32 | 1° 7 | 14°27 | 10°11 | 15°32 | 13°57 | 7°20 | 20°33 | S 11 |
| S 12 | 21 23 5 | 20° 7'23 | 9♋ 6 | 7°10 | 8°19 | 22°13 | 24°54 | 11°32 | 1° 7 | 14°26 | 10°11 | 15°33 | 13°54 | 7°27 | 20°36 | S 12 |
| M13 | 21 27 2 | 21° 4'46 | 20°55 | 9° 7 | 7°57 | 22°54 | 25° 8 | 11°32 | 1° 7 | 14°24 | 10°11 | 15°R34 | 13°50 | 7°34 | 20°39 | M13 |
| T 14 | 21 30 58 | 22° 2'11 | 2♌42 | 11° 7 | 7°32 | 23°35 | 25°21 | 11°32 | 1° 7 | 14°23 | 10°11 | 15°32 | 13°47 | 7°40 | 20°41 | T 14 |
| W15 | 21 34 55 | 22°59'36 | 14°30 | 13° 8 | 7° 5 | 24°16 | 25°34 | 11°D32 | 1° 8 | 14°21 | 10°10 | 15°29 | 13°44 | 7°47 | 20°44 | W15 |
| T 16 | 21 38 52 | 23°57'02 | 26°21 | 15°10 | 6°36 | 24°57 | 25°47 | 11°32 | 1° 8 | 14°19 | 10°10 | 15°24 | 13°41 | 7°54 | 20°47 | T 16 |
| F 17 | 21 42 48 | 24°54'28 | 8♍18 | 17°14 | 6° 6 | 25°38 | 26° 1 | 11°32 | 1° 8 | 14°18 | 10°10 | 15°17 | 13°38 | 8° 0 | 20°50 | F 17 |
| S 18 | 21 46 45 | 25°51'55 | 20°21 | 19°18 | 5°34 | 26°19 | 26°14 | 11°32 | 1° 9 | 14°16 | 10°10 | 15°10 | 13°34 | 8° 7 | 20°53 | S 18 |
| S 19 | 21 50 41 | 26°49'23 | 2♎34 | 21°23 | 5° 1 | 27° 0 | 26°27 | 11°32 | 1° 9 | 14°15 | 10°10 | 15° 3 | 13°31 | 8°14 | 20°56 | S 19 |
| M20 | 21 54 38 | 27°46'52 | 14°56 | 23°29 | 4°26 | 27°40 | 26°40 | 11°33 | 1°10 | 14°13 | 10°D10 | 14°56 | 13°28 | 8°20 | 21° 0 | M20 |
| T 21 | 21 58 34 | 28°44'21 | 27°31 | 25°34 | 3°50 | 28°21 | 26°54 | 11°33 | 1°11 | 14°11 | 10°10 | 14°50 | 13°25 | 8°27 | 21° 3 | T 21 |
| W22 | 22 2 31 | 29°41'52 | 10♏21 | 27°38 | 3°14 | 29° 1 | 27° 7 | 11°34 | 1°11 | 14°10 | 10°10 | 14°47 | 13°22 | 8°34 | 21° 6 | W22 |
| T 23 | 22 6 27 | 0♍39'22 | 23°28 | 29°43 | 2°37 | 29°41 | 27°20 | 11°35 | 1°12 | 14° 8 | 10°10 | 14°45 | 13°19 | 8°40 | 21°10 | T 23 |
| F 24 | 22 10 24 | 1°36'54 | 6♐54 | 1♍46 | 2° 0 | 0♋21 | 27°33 | 11°36 | 1°13 | 14° 7 | 10°10 | 14°D45 | 13°15 | 8°47 | 21°14 | F 24 |
| S 25 | 22 14 21 | 2°34'26 | 20°42 | 3°49 | 1°22 | 1° 1 | 27°47 | 11°37 | 1°13 | 14° 5 | 10°10 | 14°46 | 13°12 | 8°54 | 21°18 | S 25 |
| S 26 | 22 18 17 | 3°31'59 | 4♑52 | 5°50 | 0°45 | 1°41 | 28° 0 | 11°38 | 1°14 | 14° 4 | 10°11 | 14°47 | 13° 9 | 9° 0 | 21°21 | S 26 |
| M27 | 22 22 14 | 4°29'33 | 19°24 | 7°51 | 0° 8 | 2°21 | 28°13 | 11°39 | 1°15 | 14° 2 | 10°11 | 14°R47 | 13° 6 | 9° 7 | 21°25 | M27 |
| T 28 | 22 26 10 | 5°27'08 | 4♒15 | 9°50 | 29♌31 | 3° 1 | 28°26 | 11°40 | 1°16 | 14° 1 | 10°11 | 14°46 | 13° 3 | 9°14 | 21°29 | T 28 |
| W29 | 22 30 7 | 6°24'43 | 19°18 | 11°48 | 28°56 | 3°41 | 28°39 | 11°41 | 1°17 | 13°59 | 10°11 | 14°42 | 13° 0 | 9°20 | 21°34 | W29 |
| T 30 | 22 34 3 | 7°22'20 | 4♓25 | 13°45 | 28°21 | 4°20 | 28°52 | 11°43 | 1°18 | 13°58 | 10°12 | 14°36 | 12°56 | 9°27 | 21°38 | T 30 |
| F 31 | 22 38 0 | 8♍19'58 | 19♓26 | 15♍40 | 27♌48 | 5♋ 0 | 29♌ 6 | 11♐44 | 1♐19 | 13♒56 | 10♐12 | 14♋29 | 12♋53 | 9♌34 | 21♏42 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 17n45 | 19s33 | 2s14 | 20n10 | 1s46 | 4n41 | 3s22 | 21n56 | 0s29 | 14n30 | 0n36 | 20s13 | 1n52 | 20s 4 | 0n13 | 16s 6 | 0n15 | 8s12 | 13n48 | 22n23 | 22n32 | 20n28 | 14s33 | 3n16 | W 1 |
| T 2 | 17 30 | 15 57 | 3 24 | 20 13 | 1 32 | 4 28 | 3 35 | 22 2 | 0 28 | 14 26 | 0 36 | 20 13 | 1 51 | 20 4 | 0 13 | 16 6 | 0 15 | 8 13 | 13 47 | 22 23 | 22 32 | 20 27 | 14 34 | 3 16 | T 2 |
| F 3 | 17 14 | 11 21 | 4 19 | 20 14 | 1 18 | 4 15 | 3 48 | 22 7 | 0 27 | 14 22 | 0 36 | 20 14 | 1 51 | 20 4 | 0 13 | 16 7 | 0 15 | 8 13 | 13 47 | 22 24 | 22 32 | 20 26 | 14 34 | 3 16 | F 3 |
| S 4 | 16 58 | 6 10 | 4 56 | 20 14 | 1 4 | 4 3 | 4 1 | 22 12 | 0 27 | 14 18 | 0 36 | 20 14 | 1 51 | 20 4 | 0 13 | 16 7 | 0 15 | 8 14 | 13 46 | 22 24 | 22 33 | 20 25 | 14 35 | 3 16 | S 4 |
| S 5 | 16 42 | 0 48 | 5 13 | 20 12 | 0 50 | 3 52 | 4 15 | 22 17 | 0 26 | 14 13 | 0 36 | 20 14 | 1 51 | 20 4 | 0 13 | 16 7 | 0 15 | 8 14 | 13 46 | 22 25 | 22 33 | 20 24 | 14 35 | 3 16 | S 5 |
| M 6 | 16 26 | 4n26 | 5 11 | 20 9 | 0 36 | 3 42 | 4 28 | 22 22 | 0 25 | 14 9 | 0 36 | 20 14 | 1 50 | 20 4 | 0 13 | 16 8 | 0 15 | 8 14 | 13 45 | 22 25 | 22 33 | 20 24 | 14 36 | 3 16 | M 6 |
| T 7 | 16 9 | 9 17 | 4 51 | 20 3 | 0 23 | 3 33 | 4 42 | 22 26 | 0 24 | 14 5 | 0 36 | 20 14 | 1 50 | 20 4 | 0 13 | 16 8 | 0 15 | 8 15 | 13 45 | 22 25 | 22 34 | 20 23 | 14 37 | 3 16 | T 7 |
| W 8 | 15 52 | 13 35 | 4 18 | 19 55 | 0 10 | 3 25 | 4 55 | 22 30 | 0 23 | 14 1 | 0 36 | 20 14 | 1 50 | 20 4 | 0 13 | 16 9 | 0 15 | 8 15 | 13 44 | 22 25 | 22 34 | 20 22 | 14 37 | 3 16 | W 8 |
| T 9 | 15 35 | 17 8 | 3 33 | 19 44 | 0n 2 | 3 17 | 5 9 | 22 35 | 0 22 | 13 56 | 0 36 | 20 14 | 1 50 | 20 4 | 0 13 | 16 9 | 0 15 | 8 16 | 13 44 | 22 25 | 22 34 | 20 21 | 14 38 | 3 15 | T 9 |
| F 10 | 15 17 | 19 51 | 2 39 | 19 31 | 0 14 | 3 11 | 5 22 | 22 38 | 0 21 | 13 52 | 0 36 | 20 14 | 1 49 | 20 4 | 0 13 | 16 10 | 0 15 | 8 16 | 13 43 | 22 25 | 22 35 | 20 20 | 14 38 | 3 15 | F 10 |
| S 11 | 15 0 | 21 38 | 1 39 | 19 16 | 0 26 | 3 5 | 5 36 | 22 42 | 0 21 | 13 48 | 0 36 | 20 15 | 1 49 | 20 4 | 0 12 | 16 10 | 0 15 | 8 17 | 13 43 | 22 25 | 22 35 | 20 19 | 14 39 | 3 15 | S 11 |
| S 12 | 14 42 | 22 25 | 0 35 | 18 58 | 0 37 | 3 0 | 5 49 | 22 45 | 0 20 | 13 43 | 0 36 | 20 15 | 1 49 | 20 4 | 0 12 | 16 11 | 0 15 | 8 17 | 13 42 | 22 25 | 22 35 | 20 18 | 14 40 | 3 15 | S 12 |
| M13 | 14 24 | 22 11 | 0n29 | 18 38 | 0 47 | 2 57 | 6 1 | 22 49 | 0 19 | 13 39 | 0 36 | 20 15 | 1 49 | 20 4 | 0 12 | 16 11 | 0 15 | 8 18 | 13 42 | 22 25 | 22 36 | 20 17 | 14 41 | 3 15 | M13 |
| T 14 | 14 5 | 20 57 | 1 32 | 18 15 | 0 56 | 2 54 | 6 14 | 22 51 | 0 18 | 13 35 | 0 36 | 20 15 | 1 49 | 20 4 | 0 12 | 16 12 | 0 15 | 8 18 | 13 41 | 22 25 | 22 36 | 20 16 | 14 41 | 3 15 | T 14 |
| W15 | 13 47 | 18 48 | 2 31 | 17 49 | 1 5 | 2 53 | 6 26 | 22 54 | 0 17 | 13 30 | 0 37 | 20 15 | 1 48 | 20 4 | 0 12 | 16 12 | 0 15 | 8 19 | 13 41 | 22 25 | 22 36 | 20 15 | 14 42 | 3 15 | W15 |
| T 16 | 13 28 | 15 52 | 3 24 | 17 21 | 1 12 | 2 52 | 6 38 | 22 57 | 0 16 | 13 26 | 0 37 | 20 16 | 1 48 | 20 4 | 0 12 | 16 13 | 0 15 | 8 19 | 13 40 | 22 26 | 22 37 | 20 14 | 14 43 | 3 15 | T 16 |
| F 17 | 13 9 | 12 15 | 4 8 | 16 51 | 1 19 | 2 53 | 6 49 | 22 59 | 0 15 | 13 21 | 0 37 | 20 16 | 1 48 | 20 5 | 0 12 | 16 13 | 0 15 | 8 20 | 13 40 | 22 26 | 22 37 | 20 13 | 14 44 | 3 15 | F 17 |
| S 18 | 12 50 | 8 6 | 4 41 | 16 18 | 1 25 | 2 54 | 7 0 | 23 1 | 0 14 | 13 17 | 0 37 | 20 16 | 1 48 | 20 5 | 0 12 | 16 14 | 0 15 | 8 20 | 13 39 | 22 27 | 22 37 | 20 13 | 14 45 | 3 15 | S 18 |
| S 19 | 12 30 | 3 36 | 5 2 | 15 44 | 1 31 | 2 57 | 7 10 | 23 3 | 0 13 | 13 13 | 0 37 | 20 16 | 1 47 | 20 5 | 0 12 | 16 14 | 0 15 | 8 21 | 13 39 | 22 28 | 22 38 | 20 12 | 14 46 | 3 15 | S 19 |
| M20 | 12 11 | 1s 6 | 5 9 | 15 7 | 1 35 | 3 0 | 7 19 | 23 5 | 0 12 | 13 8 | 0 37 | 20 17 | 1 47 | 20 5 | 0 12 | 16 15 | 0 15 | 8 21 | 13 38 | 22 29 | 22 38 | 20 11 | 14 46 | 3 15 | M20 |
| T 21 | 11 51 | 5 50 | 5 2 | 14 29 | 1 39 | 3 5 | 7 28 | 23 7 | 0 11 | 13 4 | 0 37 | 20 17 | 1 47 | 20 5 | 0 12 | 16 15 | 0 15 | 8 22 | 13 38 | 22 29 | 22 38 | 20 10 | 14 47 | 3 15 | T 21 |
| W22 | 11 31 | 10 25 | 4 39 | 13 49 | 1 41 | 3 10 | 7 36 | 23 8 | 0 10 | 12 59 | 0 37 | 20 17 | 1 47 | 20 5 | 0 12 | 16 16 | 0 15 | 8 22 | 13 37 | 22 30 | 22 39 | 20 9 | 14 48 | 3 15 | W22 |
| T 23 | 11 11 | 14 38 | 4 2 | 13 8 | 1 43 | 3 16 | 7 43 | 23 9 | 0 10 | 12 55 | 0 37 | 20 18 | 1 46 | 20 5 | 0 12 | 16 16 | 0 15 | 8 23 | 13 37 | 22 30 | 22 39 | 20 8 | 14 49 | 3 15 | T 23 |
| F 24 | 10 51 | 18 13 | 3 10 | 12 25 | 1 45 | 3 23 | 7 50 | 23 10 | 0 9 | 12 50 | 0 37 | 20 18 | 1 46 | 20 6 | 0 12 | 16 16 | 0 15 | 8 23 | 13 36 | 22 30 | 22 39 | 20 7 | 14 50 | 3 15 | F 24 |
| S 25 | 10 30 | 20 53 | 2 6 | 11 41 | 1 45 | 3 31 | 7 55 | 23 11 | 0 8 | 12 46 | 0 37 | 20 18 | 1 46 | 20 6 | 0 12 | 16 17 | 0 14 | 8 24 | 13 35 | 22 30 | 22 40 | 20 6 | 14 51 | 3 14 | S 25 |
| S 26 | 10 9 | 22 20 | 0 53 | 10 57 | 1 45 | 3 39 | 8 0 | 23 11 | 0 7 | 12 41 | 0 37 | 20 19 | 1 46 | 20 6 | 0 12 | 16 17 | 0 14 | 8 24 | 13 35 | 22 30 | 22 40 | 20 5 | 14 52 | 3 14 | S 26 |
| M27 | 9 49 | 22 20 | 0s25 | 10 11 | 1 44 | 3 48 | 8 4 | 23 12 | 0 6 | 12 37 | 0 37 | 20 19 | 1 45 | 20 6 | 0 12 | 16 18 | 0 14 | 8 25 | 13 34 | 22 30 | 22 40 | 20 4 | 14 53 | 3 14 | M27 |
| T 28 | 9 28 | 20 46 | 1 43 | 9 25 | 1 42 | 3 58 | 8 7 | 23 12 | 0 5 | 12 32 | 0 37 | 20 20 | 1 45 | 20 6 | 0 12 | 16 18 | 0 14 | 8 25 | 13 34 | 22 30 | 22 41 | 20 3 | 14 55 | 3 14 | T 28 |
| W29 | 9 7 | 17 43 | 2 55 | 8 39 | 1 40 | 4 8 | 8 9 | 23 12 | 0 4 | 12 28 | 0 38 | 20 20 | 1 45 | 20 7 | 0 12 | 16 19 | 0 14 | 8 26 | 13 33 | 22 30 | 22 41 | 20 2 | 14 56 | 3 14 | W29 |
| T 30 | 8 45 | 13 29 | 3 54 | 7 52 | 1 38 | 4 18 | 8 10 | 23 12 | 0 3 | 12 24 | 0 38 | 20 20 | 1 45 | 20 7 | 0 12 | 16 19 | 0 14 | 8 27 | 13 33 | 22 31 | 22 41 | 20 1 | 14 57 | 3 14 | T 30 |
| F 31 | 8n24 | 8s25 | 4s38 | 7n 5 | 1n34 | 4n29 | 8s10 | 23n11 | 0s 2 | 12n19 | 0n38 | 20s21 | 1n45 | 20s 7 | 0n12 | 16s20 | 0n14 | 8s27 | 13n32 | 22n32 | 22n41 | 20n 0 | 14s58 | 3n14 | F 31 |

Julian Day Number = 2812251.5, Delta T = 53m32s
Ecliptic obliquity = 23°18'38, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°33'54, Lahiri = 37°40'55


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# ASTRODIENST EPHEMERIS for the year 2987
# geocentric

## SEPTEMBER 2987 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 41 56 | 9♍17'36 | 4♈13 | 17♍34 | 27°R17 | 5♋39 | 29♌19 | 11♐46 | 1♐21 | 13°R55 | 10♐12 | 14°R20 | 12♋50 | 9♌40 | 21♏46 | S 1 |
| S 2 | 22 45 53 | 10°15'17 | 18°37 | 19°26 | 26♌47 | 6°18 | 29°32 | 11°48 | 1°22 | 13♒53 | 10°13 | 14♋12 | 12°47 | 9°47 | 21°51 | S 2 |
| M 3 | 22 49 50 | 11°12'58 | 2♉34 | 21°17 | 26°18 | 6°57 | 29°45 | 11°49 | 1°23 | 13°52 | 10°13 | 14° 5 | 12°44 | 9°54 | 21°56 | M 3 |
| T 4 | 22 53 46 | 12°10'41 | 16° 2 | 23° 6 | 25°52 | 7°36 | 29°58 | 11°51 | 1°24 | 13°51 | 10°14 | 14° 0 | 12°40 | 10° 0 | 22° 0 | T 4 |
| W 5 | 22 57 43 | 13° 8'26 | 29° 2 | 24°55 | 25°28 | 8°15 | 0♍11 | 11°53 | 1°26 | 13°49 | 10°14 | 13°57 | 12°37 | 10° 7 | 22° 5 | W 5 |
| T 6 | 23 1 39 | 14° 6'13 | 11♊37 | 26°41 | 25° 6 | 8°54 | 0°24 | 11°55 | 1°27 | 13°48 | 10°15 | 13°D56 | 12°34 | 10°13 | 22°10 | T 6 |
| F 7 | 23 5 36 | 15° 4'01 | 23°53 | 28°27 | 24°46 | 9°33 | 0°37 | 11°58 | 1°29 | 13°47 | 10°15 | 13°56 | 12°31 | 10°20 | 22°15 | F 7 |
| S 8 | 23 9 32 | 16° 1'50 | 5♋55 | 0♎10 | 24°29 | 10°11 | 0°50 | 12° 0 | 1°30 | 13°45 | 10°16 | 13°57 | 12°28 | 10°27 | 22°20 | S 8 |
| S 9 | 23 13 29 | 16°59'42 | 17°46 | 1°53 | 24°14 | 10°50 | 1° 3 | 12° 2 | 1°32 | 13°44 | 10°17 | 13°R57 | 12°25 | 10°33 | 22°25 | S 9 |
| M10 | 23 17 25 | 17°57'34 | 29°34 | 3°34 | 24° 1 | 11°28 | 1°16 | 12° 5 | 1°33 | 13°43 | 10°17 | 13°56 | 12°21 | 10°40 | 22°30 | M10 |
| T 11 | 23 21 22 | 18°55'29 | 11♌21 | 5°14 | 23°51 | 12° 6 | 1°29 | 12° 7 | 1°35 | 13°41 | 10°18 | 13°52 | 12°18 | 10°47 | 22°35 | T 11 |
| W12 | 23 25 18 | 19°53'25 | 23°12 | 6°53 | 23°43 | 12°44 | 1°42 | 12°10 | 1°37 | 13°40 | 10°19 | 13°46 | 12°15 | 10°53 | 22°40 | W12 |
| T 13 | 23 29 15 | 20°51'23 | 5♍10 | 8°30 | 23°37 | 13°22 | 1°55 | 12°13 | 1°39 | 13°39 | 10°19 | 13°38 | 12°12 | 11° 0 | 22°46 | T 13 |
| F 14 | 23 33 12 | 21°49'22 | 17°16 | 10° 6 | 23°34 | 14° 0 | 2° 8 | 12°15 | 1°40 | 13°38 | 10°20 | 13°27 | 12° 9 | 11° 7 | 22°51 | F 14 |
| S 15 | 23 37 8 | 22°47'22 | 29°32 | 11°41 | 23°D34 | 14°38 | 2°20 | 12°18 | 1°42 | 13°37 | 10°21 | 13°15 | 12° 5 | 11°13 | 22°57 | S 15 |
| S 16 | 23 41 5 | 23°45'25 | 11♎58 | 13°14 | 23°35 | 15°15 | 2°33 | 12°21 | 1°44 | 13°35 | 10°22 | 13° 2 | 12° 2 | 11°20 | 23° 2 | S 16 |
| M17 | 23 45 1 | 24°43'28 | 24°36 | 14°46 | 23°39 | 15°53 | 2°46 | 12°24 | 1°46 | 13°34 | 10°23 | 12°51 | 11°59 | 11°27 | 23° 8 | M17 |
| T 18 | 23 48 58 | 25°41'34 | 7♏25 | 16°17 | 23°45 | 16°30 | 2°58 | 12°28 | 1°48 | 13°33 | 10°24 | 12°41 | 11°56 | 11°33 | 23°14 | T 18 |
| W19 | 23 52 54 | 26°39'40 | 20°26 | 17°46 | 23°53 | 17° 7 | 3°11 | 12°31 | 1°50 | 13°32 | 10°25 | 12°34 | 11°53 | 11°40 | 23°20 | W19 |
| T 20 | 23 56 51 | 27°37'48 | 3♐39 | 19°15 | 24° 4 | 17°44 | 3°24 | 12°34 | 1°52 | 13°31 | 10°26 | 12°29 | 11°50 | 11°47 | 23°26 | T 20 |
| F 21 | 0 0 47 | 28°35'58 | 17° 7 | 20°42 | 24°16 | 18°21 | 3°36 | 12°38 | 1°54 | 13°30 | 10°27 | 12°27 | 11°46 | 11°53 | 23°32 | F 21 |
| S 22 | 0 4 44 | 29°34'08 | 0♑50 | 22° 7 | 24°31 | 18°58 | 3°49 | 12°41 | 1°56 | 13°29 | 10°28 | 12°D27 | 11°43 | 12° 0 | 23°38 | S 22 |
| S 23 | 0 8 41 | 0♎32'21 | 14°49 | 23°31 | 24°48 | 19°34 | 4° 1 | 12°45 | 1°59 | 13°28 | 10°29 | 12°R27 | 11°40 | 12° 7 | 23°44 | S 23 |
| M24 | 0 12 37 | 1°30'34 | 29° 5 | 24°54 | 25° 6 | 20°11 | 4°14 | 12°48 | 2° 1 | 13°27 | 10°30 | 12°26 | 11°37 | 12°13 | 23°50 | M24 |
| T 25 | 0 16 34 | 2°28'49 | 13♒36 | 26°16 | 25°26 | 20°47 | 4°26 | 12°52 | 2° 3 | 13°26 | 10°31 | 12°23 | 11°34 | 12°20 | 23°56 | T 25 |
| W26 | 0 20 30 | 3°27'06 | 28°19 | 27°36 | 25°49 | 21°23 | 4°39 | 12°56 | 2° 6 | 13°25 | 10°33 | 12°18 | 11°31 | 12°27 | 24° 2 | W26 |
| T 27 | 0 24 27 | 4°25'23 | 13♓ 7 | 28°55 | 26°12 | 21°59 | 4°51 | 13° 0 | 2° 8 | 13°24 | 10°34 | 12°10 | 11°27 | 12°33 | 24° 9 | T 27 |
| F 28 | 0 28 23 | 5°23'43 | 27°52 | 0♏12 | 26°38 | 22°35 | 5° 3 | 13° 4 | 2°10 | 13°24 | 10°35 | 12° 0 | 11°24 | 12°40 | 24°15 | F 28 |
| S 29 | 0 32 20 | 6°22'04 | 12♈28 | 1°27 | 27° 5 | 23°11 | 5°15 | 13° 8 | 2°13 | 13°23 | 10°36 | 11°48 | 11°21 | 12°47 | 24°22 | S 29 |
| S 30 | 0 36 16 | 7♎20'27 | 26♈46 | 2♏41 | 27♌34 | 23♋46 | 5♍27 | 13♐12 | 2♐15 | 13♒22 | 10♐38 | 11♋37 | 11♋18 | 12♌53 | 24♏28 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 8n 3 | 2s57 | 5s 1 | 6n17 | 1n31 | 4n40 | 8s10 | 23n11 | 0s 1 | 12n15 | 0n38 | 20s21 | 1n44 | 20s 7 | 0n12 | 16s20 | 0n14 | 8s28 | 13n32 | 22n33 | 22n42 | 19n59 | 14s59 | 3n14 |
| S 2 | 7 41 | 2n33 | 5 5 | 5 29 | 1 27 | 4 51 | 8 9 | 23 10 | 0n 0 | 12 10 | 0 38 | 20 22 | 1 44 | 20 8 | 0 12 | 16 20 | 0 14 | 8 28 | 13 31 | 22 33 | 22 42 | 19 58 | 15 0 | 3 14 |
| M 3 | 7 19 | 7 45 | 4 50 | 4 42 | 1 22 | 5 2 | 8 7 | 23 9 | 0 1 | 12 6 | 0 38 | 20 22 | 1 44 | 20 8 | 0 12 | 16 21 | 0 14 | 8 29 | 13 31 | 22 34 | 22 42 | 19 57 | 15 1 | 3 14 |
| T 4 | 6 57 | 12 24 | 4 20 | 3 54 | 1 17 | 5 13 | 8 4 | 23 8 | 0 2 | 12 1 | 0 38 | 20 23 | 1 44 | 20 8 | 0 12 | 16 21 | 0 14 | 8 29 | 13 30 | 22 35 | 22 43 | 19 56 | 15 3 | 3 14 |
| W 5 | 6 35 | 16 18 | 3 37 | 3 7 | 1 12 | 5 25 | 8 0 | 23 7 | 0 4 | 11 57 | 0 38 | 20 23 | 1 43 | 20 8 | 0 12 | 16 22 | 0 14 | 8 30 | 13 30 | 22 35 | 22 43 | 19 54 | 15 4 | 3 14 |
| T 6 | 6 13 | 19 21 | 2 44 | 2 19 | 1 6 | 5 36 | 7 56 | 23 5 | 0 5 | 11 52 | 0 38 | 20 24 | 1 43 | 20 9 | 0 12 | 16 22 | 0 14 | 8 31 | 13 29 | 22 35 | 22 43 | 19 53 | 15 5 | 3 14 |
| F 7 | 5 51 | 21 25 | 1 45 | 1 32 | 1 0 | 5 47 | 7 51 | 23 4 | 0 6 | 11 48 | 0 38 | 20 24 | 1 43 | 20 9 | 0 12 | 16 22 | 0 14 | 8 31 | 13 29 | 22 35 | 22 44 | 19 52 | 15 6 | 3 14 |
| S 8 | 5 29 | 22 28 | 0 43 | 0 45 | 0 54 | 5 57 | 7 46 | 23 2 | 0 7 | 11 43 | 0 38 | 20 25 | 1 43 | 20 9 | 0 12 | 16 23 | 0 14 | 8 32 | 13 28 | 22 35 | 22 44 | 19 51 | 15 8 | 3 14 |
| S 9 | 5 7 | 22 29 | 0n20 | 0s 1 | 0 47 | 6 8 | 7 40 | 23 0 | 0 8 | 11 39 | 0 39 | 20 25 | 1 42 | 20 10 | 0 12 | 16 23 | 0 14 | 8 32 | 13 28 | 22 35 | 22 44 | 19 50 | 15 9 | 3 14 |
| M10 | 4 44 | 21 29 | 1 22 | 0 48 | 0 40 | 6 18 | 7 34 | 22 58 | 0 9 | 11 34 | 0 39 | 20 26 | 1 42 | 20 10 | 0 12 | 16 24 | 0 14 | 8 33 | 13 27 | 22 35 | 22 44 | 19 49 | 15 10 | 3 14 |
| T 11 | 4 22 | 19 32 | 2 21 | 1 33 | 0 33 | 6 28 | 7 27 | 22 56 | 0 10 | 11 30 | 0 39 | 20 26 | 1 42 | 20 10 | 0 12 | 16 24 | 0 14 | 8 34 | 13 27 | 22 36 | 22 45 | 19 48 | 15 12 | 3 14 |
| W12 | 3 59 | 16 45 | 3 13 | 2 19 | 0 26 | 6 37 | 7 19 | 22 53 | 0 11 | 11 25 | 0 39 | 20 27 | 1 42 | 20 11 | 0 12 | 16 24 | 0 14 | 8 34 | 13 26 | 22 36 | 22 45 | 19 47 | 15 13 | 3 14 |
| T 13 | 3 36 | 13 15 | 3 57 | 3 4 | 0 19 | 6 46 | 7 12 | 22 51 | 0 12 | 11 21 | 0 39 | 20 27 | 1 42 | 20 11 | 0 12 | 16 25 | 0 14 | 8 35 | 13 25 | 22 37 | 22 45 | 19 46 | 15 14 | 3 14 |
| F 14 | 3 14 | 9 10 | 4 31 | 3 48 | 0 11 | 6 54 | 7 4 | 22 48 | 0 13 | 11 16 | 0 39 | 20 28 | 1 41 | 20 12 | 0 12 | 16 25 | 0 14 | 8 36 | 13 25 | 22 38 | 22 46 | 19 45 | 15 16 | 3 14 |
| S 15 | 2 51 | 4 40 | 4 53 | 4 32 | 0 4 | 7 2 | 6 56 | 22 45 | 0 14 | 11 12 | 0 39 | 20 29 | 1 41 | 20 12 | 0 12 | 16 25 | 0 14 | 8 36 | 13 24 | 22 39 | 22 46 | 19 44 | 15 17 | 3 14 |
| S 16 | 2 28 | 0s 4 | 5 2 | 5 16 | 0s 4 | 7 10 | 6 47 | 22 42 | 0 16 | 11 7 | 0 39 | 20 29 | 1 41 | 20 12 | 0 12 | 16 26 | 0 14 | 8 37 | 13 24 | 22 41 | 22 46 | 19 43 | 15 19 | 3 14 |
| M17 | 2 5 | 4 54 | 4 55 | 5 59 | 0 12 | 7 17 | 6 38 | 22 39 | 0 17 | 11 3 | 0 39 | 20 30 | 1 41 | 20 13 | 0 12 | 16 26 | 0 14 | 8 37 | 13 23 | 22 42 | 22 46 | 19 42 | 15 20 | 3 14 |
| T 18 | 1 42 | 9 35 | 4 34 | 6 41 | 0 20 | 7 23 | 6 30 | 22 36 | 0 18 | 10 58 | 0 40 | 20 30 | 1 41 | 20 13 | 0 12 | 16 26 | 0 14 | 8 38 | 13 23 | 22 43 | 22 47 | 19 40 | 15 21 | 3 14 |
| W19 | 1 19 | 13 55 | 3 59 | 7 22 | 0 28 | 7 29 | 6 21 | 22 32 | 0 19 | 10 54 | 0 40 | 20 31 | 1 40 | 20 14 | 0 12 | 16 27 | 0 14 | 8 39 | 13 22 | 22 43 | 22 47 | 19 39 | 15 23 | 3 14 |
| T 20 | 0 56 | 17 39 | 3 10 | 8 3 | 0 37 | 7 35 | 6 11 | 22 28 | 0 20 | 10 50 | 0 40 | 20 32 | 1 40 | 20 14 | 0 12 | 16 27 | 0 14 | 8 39 | 13 22 | 22 44 | 22 47 | 19 38 | 15 24 | 3 14 |
| F 21 | 0 33 | 20 32 | 2 10 | 8 44 | 0 45 | 7 39 | 6 2 | 22 25 | 0 21 | 10 45 | 0 40 | 20 32 | 1 40 | 20 14 | 0 12 | 16 27 | 0 14 | 8 40 | 13 21 | 22 44 | 22 48 | 19 37 | 15 26 | 3 14 |
| S 22 | 0 10 | 22 17 | 1 1 | 9 23 | 0 53 | 7 44 | 5 53 | 22 21 | 0 22 | 10 41 | 0 40 | 20 33 | 1 40 | 20 15 | 0 12 | 16 28 | 0 14 | 8 41 | 13 21 | 22 44 | 22 48 | 19 36 | 15 27 | 3 14 |
| S 23 | 0s13 | 22 42 | 0s13 | 10 2 | 1 1 | 7 47 | 5 43 | 22 17 | 0 24 | 10 36 | 0 40 | 20 34 | 1 39 | 20 15 | 0 12 | 16 28 | 0 14 | 8 41 | 13 20 | 22 44 | 22 48 | 19 35 | 15 29 | 3 14 |
| M24 | 0 36 | 21 39 | 1 27 | 10 40 | 1 10 | 7 50 | 5 34 | 22 13 | 0 25 | 10 32 | 0 40 | 20 34 | 1 39 | 20 16 | 0 12 | 16 28 | 0 14 | 8 42 | 13 20 | 22 44 | 22 48 | 19 34 | 15 30 | 3 14 |
| T 25 | 0 59 | 19 9 | 2 37 | 11 18 | 1 18 | 7 53 | 5 24 | 22 9 | 0 26 | 10 27 | 0 40 | 20 35 | 1 39 | 20 16 | 0 12 | 16 29 | 0 14 | 8 42 | 13 19 | 22 44 | 22 49 | 19 32 | 15 32 | 3 14 |
| W26 | 1 22 | 15 24 | 3 37 | 11 54 | 1 26 | 7 55 | 5 14 | 22 4 | 0 27 | 10 23 | 0 40 | 20 36 | 1 39 | 20 17 | 0 12 | 16 29 | 0 14 | 8 43 | 13 19 | 22 45 | 22 49 | 19 31 | 15 33 | 3 14 |
| T 27 | 1 45 | 10 39 | 4 23 | 12 30 | 1 34 | 7 56 | 5 5 | 22 0 | 0 28 | 10 19 | 0 41 | 20 36 | 1 39 | 20 17 | 0 12 | 16 29 | 0 14 | 8 44 | 13 19 | 22 45 | 22 49 | 19 30 | 15 35 | 3 14 |
| F 28 | 2 8 | 5 18 | 4 52 | 13 5 | 1 42 | 7 56 | 4 55 | 21 55 | 0 30 | 10 14 | 0 41 | 20 37 | 1 38 | 20 18 | 0 12 | 16 29 | 0 14 | 8 44 | 13 18 | 22 46 | 22 49 | 19 29 | 15 36 | 3 14 |
| S 29 | 2 31 | 0n17 | 5 1 | 13 39 | 1 50 | 7 56 | 4 45 | 21 50 | 0 31 | 10 10 | 0 41 | 20 38 | 1 38 | 20 18 | 0 12 | 16 30 | 0 14 | 8 45 | 13 18 | 22 47 | 22 50 | 19 28 | 15 38 | 3 14 |
| S 30 | 2s54 | 5n45 | 4s50 | 14s12 | 1s58 | 7n56 | 4s36 | 21n46 | 0n32 | 10n 6 | 0n41 | 20s38 | 1n38 | 20s19 | 0n11 | 16s30 | 0n14 | 8s46 | 13n17 | 22n48 | 22n50 | 19n27 | 15s39 | 3n14 |

Julian Day Number = 2812282.5, Delta T = 53m32s
Ecliptic obliquity = 23°18'39, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°33'58, Lahiri = 37°40'59


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# ASTRODIENST EPHEMERIS for the year 2987
# geocentric

## OCTOBER 2987 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 0 40 13 | 8♎18'52 | 10♉40 | 3♏53 | 28♌ 4 | 24♋22 | 5♍40 | 13♐16 | 2♐18 | 13°R21 | 10♐39 | 11°R27 | 11♋15 | 13♌ 0 | 24♏35 | M 1 |
| T 2 | 0 44 10 | 9°17'19 | 24° 8 | 5° 4 | 28°36 | 24°57 | 5°52 | 13°21 | 2°20 | 13♒20 | 10°40 | 11♋19 | 11°11 | 13° 7 | 24°41 | T 2 |
| W 3 | 0 48 6 | 10°15'48 | 7♊10 | 6°12 | 29° 9 | 25°32 | 6° 4 | 13°25 | 2°23 | 13°20 | 10°42 | 11°13 | 11° 8 | 13°13 | 24°48 | W 3 |
| T 4 | 0 52 3 | 11°14'19 | 19°48 | 7°18 | 29°44 | 26° 7 | 6°15 | 13°29 | 2°26 | 13°19 | 10°43 | 11°10 | 11° 5 | 13°20 | 24°55 | T 4 |
| F 5 | 0 55 59 | 12°12'53 | 2♋ 6 | 8°23 | 0♍20 | 26°42 | 6°27 | 13°34 | 2°28 | 13°18 | 10°45 | 11° 9 | 11° 2 | 13°27 | 25° 2 | F 5 |
| S 6 | 0 59 56 | 13°11'28 | 14° 8 | 9°25 | 0°57 | 27°16 | 6°39 | 13°38 | 2°31 | 13°18 | 10°46 | 11° 9 | 10°59 | 13°33 | 25° 9 | S 6 |
| S 7 | 1 3 52 | 14°10'06 | 26° 1 | 10°24 | 1°36 | 27°51 | 6°51 | 13°43 | 2°34 | 13°17 | 10°48 | 11° 9 | 10°56 | 13°40 | 25°16 | S 7 |
| M 8 | 1 7 49 | 15° 8'45 | 7♌49 | 11°21 | 2°15 | 28°25 | 7° 3 | 13°48 | 2°37 | 13°17 | 10°49 | 11° 7 | 10°52 | 13°47 | 25°23 | M 8 |
| T 9 | 1 11 45 | 16° 7'27 | 19°38 | 12°16 | 2°56 | 28°59 | 7°14 | 13°53 | 2°40 | 13°16 | 10°51 | 11° 4 | 10°49 | 13°53 | 25°30 | T 9 |
| W10 | 1 15 42 | 17° 6'11 | 1♍33 | 13° 7 | 3°38 | 29°33 | 7°26 | 13°58 | 2°42 | 13°15 | 10°52 | 10°57 | 10°46 | 14° 0 | 25°37 | W10 |
| T 11 | 1 19 39 | 18° 4'57 | 13°37 | 13°55 | 4°21 | 0♌ 7 | 7°37 | 14° 2 | 2°45 | 13°15 | 10°54 | 10°48 | 10°43 | 14° 7 | 25°44 | T 11 |
| F 12 | 1 23 35 | 19° 3'45 | 25°53 | 14°39 | 5° 5 | 0°40 | 7°49 | 14° 7 | 2°48 | 13°15 | 10°55 | 10°37 | 10°40 | 14°13 | 25°51 | F 12 |
| S 13 | 1 27 32 | 20° 2'35 | 8♎22 | 15°19 | 5°49 | 1°14 | 8° 0 | 14°13 | 2°51 | 13°14 | 10°57 | 10°24 | 10°36 | 14°20 | 25°58 | S 13 |
| S 14 | 1 31 28 | 21° 1'27 | 21° 6 | 15°56 | 6°35 | 1°47 | 8°11 | 14°18 | 2°54 | 13°14 | 10°59 | 10°10 | 10°33 | 14°27 | 26° 5 | S 14 |
| M15 | 1 35 25 | 22° 0'21 | 4♏ 3 | 16°27 | 7°22 | 2°20 | 8°23 | 14°23 | 2°57 | 13°13 | 11° 1 | 9°58 | 10°30 | 14°33 | 26°13 | M15 |
| T 16 | 1 39 21 | 22°59'17 | 17°13 | 16°54 | 8° 9 | 2°53 | 8°34 | 14°28 | 3° 0 | 13°13 | 11° 2 | 9°47 | 10°27 | 14°40 | 26°20 | T 16 |
| W17 | 1 43 18 | 23°58'15 | 0♐34 | 17°16 | 8°58 | 3°25 | 8°45 | 14°33 | 3° 3 | 13°13 | 11° 4 | 9°39 | 10°24 | 14°47 | 26°28 | W17 |
| T 18 | 1 47 14 | 24°57'15 | 14° 4 | 17°31 | 9°47 | 3°57 | 8°56 | 14°39 | 3° 6 | 13°13 | 11° 6 | 9°35 | 10°21 | 14°53 | 26°35 | T 18 |
| F 19 | 1 51 11 | 25°56'16 | 27°45 | 17°41 | 10°37 | 4°30 | 9° 7 | 14°44 | 3°10 | 13°12 | 11° 8 | 9°32 | 10°17 | 15° 0 | 26°42 | F 19 |
| S 20 | 1 55 7 | 26°55'20 | 11♑34 | 17°R44 | 11°28 | 5° 1 | 9°17 | 14°50 | 3°13 | 13°12 | 11°10 | 9°D32 | 10°14 | 15° 7 | 26°50 | S 20 |
| S 21 | 1 59 4 | 27°54'24 | 25°32 | 17°39 | 12°19 | 5°33 | 9°28 | 14°55 | 3°16 | 13°12 | 11°11 | 9°R32 | 10°11 | 15°13 | 26°58 | S 21 |
| M22 | 2 3 1 | 28°53'31 | 9♒38 | 17°28 | 13°11 | 6° 5 | 9°39 | 15° 1 | 3°19 | 13°12 | 11°13 | 9°32 | 10° 8 | 15°20 | 27° 5 | M22 |
| T 23 | 2 6 57 | 29°52'39 | 23°53 | 17° 8 | 14° 4 | 6°36 | 9°49 | 15° 7 | 3°23 | 13°12 | 11°15 | 9°30 | 10° 5 | 15°27 | 27°13 | T 23 |
| W24 | 2 10 54 | 0♏51'49 | 8♓13 | 16°41 | 14°58 | 7° 7 | 10° 0 | 15°12 | 3°26 | 13°12 | 11°17 | 9°25 | 10° 2 | 15°33 | 27°20 | W24 |
| T 25 | 2 14 50 | 1°51'00 | 22°36 | 16° 5 | 15°52 | 7°38 | 10°10 | 15°18 | 3°29 | 13°D12 | 11°19 | 9°18 | 9°58 | 15°40 | 27°28 | T 25 |
| F 26 | 2 18 47 | 2°50'14 | 6♈56 | 15°21 | 16°47 | 8° 8 | 10°20 | 15°24 | 3°32 | 13°12 | 11°21 | 9° 9 | 9°55 | 15°47 | 27°36 | F 26 |
| S 27 | 2 22 43 | 3°49'29 | 21° 8 | 14°30 | 17°42 | 8°39 | 10°31 | 15°30 | 3°36 | 13°12 | 11°23 | 8°58 | 9°52 | 15°53 | 27°44 | S 27 |
| S 28 | 2 26 40 | 4°48'46 | 5♉ 6 | 13°32 | 18°38 | 9° 9 | 10°41 | 15°36 | 3°39 | 13°12 | 11°25 | 8°48 | 9°49 | 16° 0 | 27°51 | S 28 |
| M29 | 2 30 36 | 5°48'05 | 18°47 | 12°28 | 19°34 | 9°38 | 10°51 | 15°42 | 3°43 | 13°12 | 11°27 | 8°38 | 9°46 | 16° 7 | 27°59 | M29 |
| T 30 | 2 34 33 | 6°47'26 | 2♊ 6 | 11°19 | 20°32 | 10° 8 | 11° 1 | 15°48 | 3°46 | 13°12 | 11°29 | 8°31 | 9°42 | 16°13 | 28° 7 | T 30 |
| W31 | 2 38 30 | 7♏46'49 | 15♊ 3 | 10♏ 6 | 21♍29 | 10♌37 | 11♍10 | 15♐54 | 3♐49 | 13♒12 | 11♐31 | 8♋26 | 9♋39 | 16♌20 | 28♏15 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 3s17 | 10n47 | 4s23 | 14s44 | 2s 6 | 7n54 | 4s26 | 21n41 | 0n33 | 10n 1 | 0n41 | 20s39 | 1n38 | 20s19 | 0n11 | 16s30 | 0n14 | 8s46 | 13n17 | 22n49 | 22n50 | 19n25 | 15s41 | 3n14 |
| T 2 | 3 40 | 15 8 | 3 41 | 15 15 | 2 14 | 7 53 | 4 17 | 21 36 | 0 35 | 9 57 | 0 41 | 20 40 | 1 38 | 20 20 | 0 11 | 16 30 | 0 14 | 8 47 | 13 16 | 22 50 | 22 51 | 19 24 | 15 42 | 3 14 |
| W 3 | 4 3 | 18 36 | 2 49 | 15 45 | 2 22 | 7 50 | 4 7 | 21 30 | 0 36 | 9 53 | 0 41 | 20 41 | 1 37 | 20 20 | 0 11 | 16 30 | 0 14 | 8 47 | 13 16 | 22 50 | 22 51 | 19 23 | 15 44 | 3 14 |
| T 4 | 4 25 | 21 5 | 1 51 | 16 13 | 2 29 | 7 47 | 3 58 | 21 25 | 0 37 | 9 49 | 0 41 | 20 41 | 1 37 | 20 21 | 0 11 | 16 31 | 0 14 | 8 48 | 13 15 | 22 51 | 22 51 | 19 22 | 15 46 | 3 14 |
| F 5 | 4 48 | 22 30 | 0 48 | 16 41 | 2 36 | 7 43 | 3 49 | 21 20 | 0 38 | 9 44 | 0 42 | 20 42 | 1 37 | 20 21 | 0 11 | 16 31 | 0 14 | 8 49 | 13 15 | 22 51 | 22 51 | 19 21 | 15 47 | 3 14 |
| S 6 | 5 11 | 22 50 | 0n16 | 17 8 | 2 43 | 7 39 | 3 39 | 21 15 | 0 40 | 9 40 | 0 42 | 20 43 | 1 37 | 20 22 | 0 11 | 16 31 | 0 14 | 8 49 | 13 14 | 22 51 | 22 52 | 19 19 | 15 49 | 3 14 |
| S 7 | 5 33 | 22 6 | 1 18 | 17 33 | 2 50 | 7 34 | 3 30 | 21 9 | 0 41 | 9 36 | 0 42 | 20 43 | 1 37 | 20 23 | 0 11 | 16 31 | 0 14 | 8 50 | 13 14 | 22 51 | 22 52 | 19 18 | 15 50 | 3 14 |
| M 8 | 5 56 | 20 25 | 2 16 | 17 57 | 2 56 | 7 29 | 3 21 | 21 4 | 0 42 | 9 32 | 0 42 | 20 44 | 1 37 | 20 23 | 0 11 | 16 31 | 0 14 | 8 51 | 13 13 | 22 51 | 22 52 | 19 17 | 15 52 | 3 14 |
| T 9 | 6 19 | 17 50 | 3 9 | 18 20 | 3 2 | 7 23 | 3 12 | 20 58 | 0 44 | 9 28 | 0 42 | 20 45 | 1 36 | 20 24 | 0 11 | 16 32 | 0 14 | 8 51 | 13 13 | 22 51 | 22 52 | 19 16 | 15 53 | 3 14 |
| W10 | 6 41 | 14 30 | 3 53 | 18 41 | 3 8 | 7 16 | 3 3 | 20 52 | 0 45 | 9 23 | 0 42 | 20 46 | 1 36 | 20 24 | 0 11 | 16 32 | 0 14 | 8 52 | 13 13 | 22 52 | 22 53 | 19 15 | 15 55 | 3 14 |
| T 11 | 7 3 | 10 32 | 4 28 | 19 0 | 3 14 | 7 9 | 2 55 | 20 46 | 0 46 | 9 19 | 0 42 | 20 46 | 1 36 | 20 25 | 0 11 | 16 32 | 0 14 | 8 53 | 13 12 | 22 52 | 22 53 | 19 13 | 15 57 | 3 14 |
| F 12 | 7 26 | 6 5 | 4 51 | 19 18 | 3 18 | 7 1 | 2 46 | 20 41 | 0 48 | 9 15 | 0 43 | 20 47 | 1 36 | 20 25 | 0 11 | 16 32 | 0 14 | 8 53 | 13 12 | 22 53 | 22 53 | 19 12 | 15 58 | 3 14 |
| S 13 | 7 48 | 1 18 | 5 0 | 19 34 | 3 23 | 6 53 | 2 37 | 20 35 | 0 49 | 9 11 | 0 43 | 20 48 | 1 36 | 20 26 | 0 11 | 16 32 | 0 14 | 8 54 | 13 11 | 22 54 | 22 53 | 19 11 | 16 0 | 3 14 |
| S 14 | 8 10 | 3s37 | 4 55 | 19 49 | 3 27 | 6 44 | 2 29 | 20 29 | 0 50 | 9 7 | 0 43 | 20 49 | 1 35 | 20 27 | 0 11 | 16 32 | 0 14 | 8 54 | 13 11 | 22 55 | 22 54 | 19 10 | 16 1 | 3 14 |
| M15 | 8 32 | 8 29 | 4 35 | 20 1 | 3 30 | 6 35 | 2 20 | 20 23 | 0 52 | 9 3 | 0 43 | 20 50 | 1 35 | 20 27 | 0 11 | 16 32 | 0 14 | 8 55 | 13 11 | 22 56 | 22 54 | 19 8 | 16 3 | 3 14 |
| T 16 | 8 53 | 13 3 | 4 0 | 20 11 | 3 32 | 6 25 | 2 12 | 20 17 | 0 53 | 8 59 | 0 43 | 20 50 | 1 35 | 20 28 | 0 11 | 16 33 | 0 14 | 8 56 | 13 10 | 22 57 | 22 54 | 19 7 | 16 5 | 3 14 |
| W17 | 9 15 | 17 3 | 3 11 | 20 19 | 3 34 | 6 15 | 2 4 | 20 10 | 0 55 | 8 55 | 0 43 | 20 51 | 1 35 | 20 28 | 0 11 | 16 33 | 0 14 | 8 56 | 13 10 | 22 58 | 22 54 | 19 6 | 16 6 | 3 15 |
| T 18 | 9 37 | 20 12 | 2 11 | 20 24 | 3 34 | 6 4 | 1 56 | 20 4 | 0 56 | 8 51 | 0 43 | 20 52 | 1 35 | 20 29 | 0 11 | 16 33 | 0 14 | 8 57 | 13 9 | 22 58 | 22 55 | 19 5 | 16 8 | 3 15 |
| F 19 | 9 58 | 22 15 | 1 2 | 20 26 | 3 34 | 5 53 | 1 48 | 19 58 | 0 57 | 8 47 | 0 44 | 20 53 | 1 35 | 20 30 | 0 11 | 16 33 | 0 14 | 8 57 | 13 9 | 22 58 | 22 55 | 19 3 | 16 9 | 3 15 |
| S 20 | 10 19 | 22 59 | 0s11 | 20 26 | 3 33 | 5 41 | 1 40 | 19 52 | 0 59 | 8 43 | 0 44 | 20 53 | 1 34 | 20 30 | 0 11 | 16 33 | 0 14 | 8 58 | 13 9 | 22 58 | 22 55 | 19 2 | 16 11 | 3 15 |
| S 21 | 10 40 | 22 18 | 1 24 | 20 22 | 3 30 | 5 29 | 1 32 | 19 45 | 1 0 | 8 39 | 0 44 | 20 54 | 1 34 | 20 31 | 0 11 | 16 33 | 0 14 | 8 59 | 13 8 | 22 58 | 22 55 | 19 1 | 16 13 | 3 15 |
| M22 | 11 1 | 20 12 | 2 33 | 20 15 | 3 26 | 5 16 | 1 25 | 19 39 | 1 2 | 8 36 | 0 44 | 20 55 | 1 34 | 20 31 | 0 11 | 16 33 | 0 14 | 8 59 | 13 8 | 22 58 | 22 56 | 18 59 | 16 14 | 3 15 |
| T 23 | 11 22 | 16 50 | 3 33 | 20 4 | 3 21 | 5 3 | 1 17 | 19 33 | 1 3 | 8 32 | 0 44 | 20 56 | 1 34 | 20 32 | 0 11 | 16 33 | 0 14 | 9 0 | 13 8 | 22 58 | 22 56 | 18 58 | 16 16 | 3 15 |
| W24 | 11 43 | 12 27 | 4 20 | 19 50 | 3 14 | 4 49 | 1 10 | 19 26 | 1 5 | 8 28 | 0 44 | 20 56 | 1 34 | 20 33 | 0 11 | 16 33 | 0 14 | 9 0 | 13 7 | 22 59 | 22 56 | 18 57 | 16 17 | 3 15 |
| T 25 | 12 3 | 7 22 | 4 50 | 19 31 | 3 5 | 4 35 | 1 3 | 19 20 | 1 6 | 8 24 | 0 45 | 20 57 | 1 34 | 20 33 | 0 11 | 16 33 | 0 13 | 9 1 | 13 7 | 22 59 | 22 56 | 18 56 | 16 19 | 3 15 |
| F 26 | 12 23 | 1 54 | 5 3 | 19 8 | 2 55 | 4 20 | 0 56 | 19 14 | 1 8 | 8 21 | 0 45 | 20 58 | 1 33 | 20 34 | 0 11 | 16 33 | 0 13 | 9 2 | 13 6 | 23 0 | 22 57 | 18 54 | 16 21 | 3 15 |
| S 27 | 12 44 | 3n37 | 4 56 | 18 41 | 2 42 | 4 5 | 0 49 | 19 7 | 1 9 | 8 17 | 0 45 | 20 59 | 1 33 | 20 35 | 0 11 | 16 33 | 0 13 | 9 2 | 13 6 | 23 1 | 22 57 | 18 53 | 16 22 | 3 16 |
| S 28 | 13 3 | 8 52 | 4 32 | 18 11 | 2 28 | 3 50 | 0 42 | 19 1 | 1 11 | 8 13 | 0 45 | 21 0 | 1 33 | 20 35 | 0 11 | 16 33 | 0 13 | 9 3 | 13 6 | 23 1 | 22 57 | 18 52 | 16 24 | 3 16 |
| M29 | 13 23 | 13 35 | 3 52 | 17 36 | 2 13 | 3 34 | 0 35 | 18 54 | 1 12 | 8 10 | 0 45 | 21 0 | 1 33 | 20 36 | 0 11 | 16 33 | 0 13 | 9 3 | 13 5 | 23 2 | 22 57 | 18 50 | 16 25 | 3 16 |
| T 30 | 13 43 | 17 31 | 3 1 | 16 58 | 1 55 | 3 18 | 0 28 | 18 48 | 1 14 | 8 6 | 0 45 | 21 1 | 1 33 | 20 37 | 0 11 | 16 33 | 0 13 | 9 4 | 13 5 | 23 2 | 22 57 | 18 49 | 16 27 | 3 16 |
| W31 | 14s 2 | 20n28 | 2s 1 | 16s18 | 1s37 | 3n 1 | 0s22 | 18n42 | 1n16 | 8n 2 | 0n46 | 21s 2 | 1n33 | 20s37 | 0n11 | 16s33 | 0n13 | 9s 4 | 13n 5 | 23n 3 | 22n58 | 18n48 | 16s28 | 3n16 |

Julian Day Number = 2812312.5, Delta T = 53m33s
Ecliptic obliquity = 23°18'40, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°34'03, Lahiri = 37°41'03


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# ASTRODIENST EPHEMERIS for the year 2987
# geocentric

## NOVEMBER 2987 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ⚷ | ⚸ | ⚳ | ⚴ | ⚵ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 42 26 | 8♏46'15 | 27♊39 | 8°R53 | 22♍27 | 11♌ 6 | 11♍20 | 16♐ 0 | 3♐53 | 13♒13 | 11♐33 | 8°R23 | 9♋36 | 16♌27 | 28♏23 | T 1 |
| F 2 | 2 46 23 | 9°45'43 | 9♋57 | 7♏40 | 23°26 | 11°35 | 11°30 | 16° 6 | 3°56 | 13°13 | 11°35 | 8°D22 | 9°33 | 16°33 | 28°31 | F 2 |
| S 3 | 2 50 19 | 10°45'13 | 22° 0 | 6°31 | 24°25 | 12° 4 | 11°39 | 16°13 | 4° 0 | 13°13 | 11°37 | 8♋23 | 9°30 | 16°40 | 28°39 | S 3 |
| S 4 | 2 54 16 | 11°44'45 | 3♌54 | 5°27 | 25°24 | 12°32 | 11°48 | 16°19 | 4° 3 | 13°13 | 11°39 | 8°24 | 9°27 | 16°47 | 28°47 | S 4 |
| M 5 | 2 58 12 | 12°44'19 | 15°44 | 4°29 | 26°24 | 13° 0 | 11°58 | 16°25 | 4° 7 | 13°14 | 11°42 | 8°R24 | 9°23 | 16°53 | 28°55 | M 5 |
| T 6 | 3 2 9 | 13°43'56 | 27°34 | 3°40 | 27°25 | 13°28 | 12° 7 | 16°32 | 4°11 | 13°14 | 11°44 | 8°23 | 9°20 | 17° 0 | 29° 3 | T 6 |
| W 7 | 3 6 5 | 14°43'34 | 9♍31 | 3° 1 | 28°26 | 13°55 | 12°16 | 16°38 | 4°14 | 13°15 | 11°46 | 8°20 | 9°17 | 17° 7 | 29°11 | W 7 |
| T 8 | 3 10 2 | 15°43'15 | 21°39 | 2°33 | 29°27 | 14°22 | 12°25 | 16°44 | 4°18 | 13°15 | 11°48 | 8°14 | 9°14 | 17°14 | 29°19 | T 8 |
| F 9 | 3 13 59 | 16°42'58 | 4♎ 1 | 2°16 | 0♎28 | 14°49 | 12°34 | 16°51 | 4°21 | 13°15 | 11°50 | 8° 7 | 9°11 | 17°20 | 29°27 | F 9 |
| S 10 | 3 17 55 | 17°42'43 | 16°40 | 2°D11 | 1°30 | 15°16 | 12°42 | 16°57 | 4°25 | 13°16 | 11°53 | 7°58 | 9° 8 | 17°27 | 29°35 | S 10 |
| S 11 | 3 21 52 | 18°42'30 | 29°37 | 2°16 | 2°33 | 15°42 | 12°51 | 17° 4 | 4°29 | 13°17 | 11°55 | 7°49 | 9° 4 | 17°34 | 29°43 | S 11 |
| M12 | 3 25 48 | 19°42'20 | 12♏53 | 2°33 | 3°35 | 16° 8 | 12°59 | 17°11 | 4°32 | 13°17 | 11°57 | 7°40 | 9° 1 | 17°40 | 29°51 | M12 |
| T 13 | 3 29 45 | 20°42'11 | 26°25 | 2°59 | 4°39 | 16°33 | 13° 8 | 17°17 | 4°36 | 13°18 | 11°59 | 7°33 | 8°58 | 17°47 | 29°59 | T 13 |
| W14 | 3 33 41 | 21°42'04 | 10♐11 | 3°35 | 5°42 | 16°58 | 13°16 | 17°24 | 4°40 | 13°18 | 12° 2 | 7°28 | 8°55 | 17°54 | 0♐ 7 | W14 |
| T 15 | 3 37 38 | 22°41'59 | 24° 8 | 4°19 | 6°46 | 17°23 | 13°24 | 17°31 | 4°43 | 13°19 | 12° 4 | 7°25 | 8°52 | 18° 0 | 0°15 | T 15 |
| F 16 | 3 41 34 | 23°41'56 | 8♑11 | 5°12 | 7°50 | 17°47 | 13°32 | 17°37 | 4°47 | 13°20 | 12° 6 | 7°D24 | 8°48 | 18° 7 | 0°24 | F 16 |
| S 17 | 3 45 31 | 24°41'54 | 22°19 | 6°10 | 8°54 | 18°12 | 13°40 | 17°44 | 4°51 | 13°21 | 12° 8 | 7°25 | 8°45 | 18°14 | 0°32 | S 17 |
| S 18 | 3 49 28 | 25°41'54 | 6♒29 | 7°15 | 9°59 | 18°35 | 13°48 | 17°51 | 4°54 | 13°21 | 12°11 | 7°27 | 8°42 | 18°20 | 0°40 | S 18 |
| M19 | 3 53 24 | 26°41'55 | 20°39 | 8°25 | 11° 4 | 18°59 | 13°55 | 17°58 | 4°58 | 13°22 | 12°13 | 7°R28 | 8°39 | 18°27 | 0°48 | M19 |
| T 20 | 3 57 21 | 27°41'58 | 4♓48 | 9°40 | 12° 9 | 19°22 | 14° 3 | 18° 5 | 5° 2 | 13°23 | 12°15 | 7°27 | 8°36 | 18°34 | 0°56 | T 20 |
| W21 | 4 1 17 | 28°42'02 | 18°53 | 10°58 | 13°14 | 19°44 | 14°10 | 18°11 | 5° 6 | 13°24 | 12°18 | 7°26 | 8°33 | 18°40 | 1° 4 | W21 |
| T 22 | 4 5 14 | 29°42'08 | 2♈53 | 12°20 | 14°20 | 20° 6 | 14°17 | 18°18 | 5° 9 | 13°25 | 12°20 | 7°22 | 8°29 | 18°47 | 1°12 | T 22 |
| F 23 | 4 9 10 | 0♐42'15 | 16°47 | 13°44 | 15°26 | 20°28 | 14°24 | 18°25 | 5°13 | 13°26 | 12°22 | 7°17 | 8°26 | 18°54 | 1°21 | F 23 |
| S 24 | 4 13 7 | 1°42'24 | 0♉30 | 15°11 | 16°32 | 20°49 | 14°31 | 18°32 | 5°17 | 13°27 | 12°25 | 7°12 | 8°23 | 19° 0 | 1°29 | S 24 |
| S 25 | 4 17 3 | 2°42'35 | 14° 2 | 16°39 | 17°39 | 21°10 | 14°37 | 18°39 | 5°20 | 13°28 | 12°27 | 7° 6 | 8°20 | 19° 7 | 1°37 | S 25 |
| M26 | 4 21 0 | 3°42'47 | 27°19 | 18° 9 | 18°45 | 21°31 | 14°44 | 18°46 | 5°24 | 13°29 | 12°29 | 7° 0 | 8°17 | 19°14 | 1°45 | M26 |
| T 27 | 4 24 57 | 4°43'00 | 10♊20 | 19°40 | 19°52 | 21°51 | 14°50 | 18°53 | 5°28 | 13°30 | 12°32 | 6°56 | 8°14 | 19°20 | 1°53 | T 27 |
| W28 | 4 28 53 | 5°43'16 | 23° 5 | 21°13 | 21° 0 | 22°10 | 14°57 | 19° 0 | 5°32 | 13°31 | 12°34 | 6°54 | 8°10 | 19°27 | 2° 1 | W28 |
| T 29 | 4 32 50 | 6°43'33 | 5♋33 | 22°46 | 22° 7 | 22°30 | 15° 3 | 19° 7 | 5°35 | 13°32 | 12°37 | 6°D53 | 8° 7 | 19°34 | 2°10 | T 29 |
| F 30 | 4 36 46 | 7♐43'52 | 17♋47 | 24♏19 | 23♎15 | 22♌48 | 15♍ 9 | 19♐14 | 5♐39 | 13♒33 | 12♐39 | 6♋53 | 8♋ 4 | 19♌40 | 2♐18 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚷ | ⚸ | ⚳ | ⚴ | ⚵ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 14s21 | 22n20 | 0s57 | 15s36 | 1s17 | 2n44 | 0s16 | 18n35 | 1n17 | 7n59 | 0n46 | 21s 3 | 1n33 | 20s38 | 0n11 | 16s33 | 0n13 | 9s 5 | 13n 5 | 23n 3 | 22n58 | 18n46 | 16s30 | 3n16 |
| F 2 | 14 40 | 23 5 | 0n 8 | 14 53 | 0 57 | 2 27 | 0 9 | 18 29 | 1 19 | 7 55 | 0 46 | 21 3 | 1 32 | 20 39 | 0 11 | 16 33 | 0 13 | 9 6 | 13 4 | 23 3 | 22 58 | 18 45 | 16 32 | 3 16 |
| S 3 | 14 58 | 22 43 | 1 12 | 14 11 | 0 36 | 2 9 | 0 3 | 18 22 | 1 20 | 7 52 | 0 46 | 21 4 | 1 32 | 20 39 | 0 11 | 16 33 | 0 13 | 9 6 | 13 4 | 23 3 | 22 58 | 18 44 | 16 33 | 3 17 |
| S 4 | 15 17 | 21 19 | 2 13 | 13 30 | 0 15 | 1 51 | 0n 3 | 18 16 | 1 22 | 7 49 | 0 46 | 21 5 | 1 32 | 20 40 | 0 11 | 16 33 | 0 13 | 9 7 | 13 4 | 23 3 | 22 59 | 18 42 | 16 35 | 3 17 |
| M 5 | 15 35 | 19 0 | 3 7 | 12 52 | 0n 5 | 1 33 | 0 8 | 18 10 | 1 24 | 7 45 | 0 47 | 21 6 | 1 32 | 20 41 | 0 11 | 16 33 | 0 13 | 9 7 | 13 3 | 23 3 | 22 59 | 18 41 | 16 36 | 3 17 |
| T 6 | 15 53 | 15 54 | 3 53 | 12 18 | 0 24 | 1 14 | 0 14 | 18 3 | 1 25 | 7 42 | 0 47 | 21 7 | 1 32 | 20 41 | 0 11 | 16 33 | 0 13 | 9 8 | 13 3 | 23 3 | 22 59 | 18 39 | 16 38 | 3 17 |
| W 7 | 16 10 | 12 7 | 4 29 | 11 48 | 0 42 | 0 55 | 0 20 | 17 57 | 1 27 | 7 39 | 0 47 | 21 7 | 1 32 | 20 42 | 0 11 | 16 33 | 0 13 | 9 8 | 13 3 | 23 3 | 22 59 | 18 38 | 16 39 | 3 17 |
| T 8 | 16 27 | 7 48 | 4 54 | 11 23 | 0 58 | 0 36 | 0 25 | 17 51 | 1 29 | 7 36 | 0 47 | 21 8 | 1 32 | 20 43 | 0 11 | 16 32 | 0 13 | 9 9 | 13 3 | 23 3 | 22 59 | 18 37 | 16 41 | 3 17 |
| F 9 | 16 45 | 3 6 | 5 6 | 11 3 | 1 13 | 0 17 | 0 30 | 17 45 | 1 31 | 7 32 | 0 47 | 21 9 | 1 32 | 20 43 | 0 11 | 16 32 | 0 13 | 9 9 | 13 2 | 23 4 | 23 0 | 18 35 | 16 42 | 3 18 |
| S 10 | 17 1 | 1s51 | 5 3 | 10 49 | 1 26 | 0s 3 | 0 36 | 17 39 | 1 32 | 7 29 | 0 47 | 21 10 | 1 31 | 20 44 | 0 11 | 16 32 | 0 13 | 9 10 | 13 2 | 23 4 | 23 0 | 18 34 | 16 44 | 3 18 |
| S 11 | 17 18 | 6 50 | 4 45 | 10 40 | 1 38 | 0 23 | 0 41 | 17 33 | 1 34 | 7 26 | 0 48 | 21 10 | 1 31 | 20 45 | 0 11 | 16 32 | 0 13 | 9 10 | 13 2 | 23 5 | 23 0 | 18 33 | 16 45 | 3 18 |
| M12 | 17 34 | 11 37 | 4 11 | 10 36 | 1 47 | 0 43 | 0 46 | 17 27 | 1 36 | 7 23 | 0 48 | 21 11 | 1 31 | 20 45 | 0 11 | 16 32 | 0 13 | 9 11 | 13 2 | 23 5 | 23 0 | 18 31 | 16 47 | 3 18 |
| T 13 | 17 50 | 15 57 | 3 23 | 10 38 | 1 55 | 1 4 | 0 50 | 17 21 | 1 38 | 7 20 | 0 48 | 21 12 | 1 31 | 20 46 | 0 11 | 16 32 | 0 13 | 9 11 | 13 1 | 23 6 | 23 1 | 18 30 | 16 48 | 3 18 |
| W14 | 18 6 | 19 31 | 2 22 | 10 44 | 2 2 | 1 25 | 0 55 | 17 15 | 1 39 | 7 17 | 0 48 | 21 12 | 1 31 | 20 47 | 0 11 | 16 32 | 0 13 | 9 12 | 13 1 | 23 6 | 23 1 | 18 28 | 16 50 | 3 18 |
| T 15 | 18 21 | 22 0 | 1 11 | 10 54 | 2 6 | 1 45 | 1 0 | 17 9 | 1 41 | 7 14 | 0 48 | 21 13 | 1 31 | 20 47 | 0 11 | 16 31 | 0 13 | 9 12 | 13 1 | 23 6 | 23 1 | 18 27 | 16 51 | 3 19 |
| F 16 | 18 36 | 23 8 | 0s 4 | 11 8 | 2 10 | 2 7 | 1 4 | 17 3 | 1 43 | 7 11 | 0 49 | 21 14 | 1 31 | 20 48 | 0 11 | 16 31 | 0 13 | 9 13 | 13 1 | 23 6 | 23 1 | 18 26 | 16 53 | 3 19 |
| S 17 | 18 51 | 22 47 | 1 20 | 11 26 | 2 12 | 2 28 | 1 8 | 16 58 | 1 45 | 7 9 | 0 49 | 21 15 | 1 31 | 20 49 | 0 11 | 16 31 | 0 13 | 9 13 | 13 1 | 23 6 | 23 1 | 18 24 | 16 54 | 3 19 |
| S 18 | 19 5 | 20 59 | 2 31 | 11 46 | 2 13 | 2 49 | 1 12 | 16 52 | 1 47 | 7 6 | 0 49 | 21 15 | 1 31 | 20 49 | 0 11 | 16 31 | 0 13 | 9 14 | 13 0 | 23 6 | 23 2 | 18 23 | 16 56 | 3 19 |
| M19 | 19 19 | 17 54 | 3 33 | 12 9 | 2 13 | 3 11 | 1 16 | 16 47 | 1 49 | 7 3 | 0 49 | 21 16 | 1 30 | 20 50 | 0 11 | 16 31 | 0 13 | 9 14 | 13 0 | 23 6 | 23 2 | 18 21 | 16 57 | 3 20 |
| T 20 | 19 32 | 13 46 | 4 22 | 12 33 | 2 11 | 3 33 | 1 20 | 16 41 | 1 51 | 7 0 | 0 49 | 21 17 | 1 30 | 20 51 | 0 11 | 16 30 | 0 13 | 9 15 | 13 0 | 23 6 | 23 2 | 18 20 | 16 59 | 3 20 |
| W21 | 19 46 | 8 54 | 4 55 | 12 59 | 2 9 | 3 55 | 1 24 | 16 36 | 1 53 | 6 58 | 0 50 | 21 17 | 1 30 | 20 51 | 0 11 | 16 30 | 0 13 | 9 15 | 13 0 | 23 6 | 23 2 | 18 18 | 17 0 | 3 20 |
| T 22 | 19 59 | 3 36 | 5 10 | 13 27 | 2 7 | 4 17 | 1 27 | 16 31 | 1 54 | 6 55 | 0 50 | 21 18 | 1 30 | 20 52 | 0 11 | 16 30 | 0 13 | 9 16 | 13 0 | 23 6 | 23 2 | 18 17 | 17 1 | 3 20 |
| F 23 | 20 11 | 1n50 | 5 7 | 13 55 | 2 3 | 4 39 | 1 31 | 16 26 | 1 56 | 6 53 | 0 50 | 21 19 | 1 30 | 20 53 | 0 11 | 16 30 | 0 13 | 9 16 | 12 59 | 23 7 | 23 3 | 18 15 | 17 3 | 3 20 |
| S 24 | 20 24 | 7 7 | 4 46 | 14 24 | 1 59 | 5 1 | 1 34 | 16 21 | 1 58 | 6 50 | 0 50 | 21 20 | 1 30 | 20 53 | 0 11 | 16 29 | 0 13 | 9 16 | 12 59 | 23 7 | 23 3 | 18 14 | 17 4 | 3 21 |
| S 25 | 20 35 | 12 0 | 4 9 | 14 54 | 1 54 | 5 23 | 1 37 | 16 16 | 2 0 | 6 48 | 0 51 | 21 20 | 1 30 | 20 54 | 0 11 | 16 29 | 0 13 | 9 17 | 12 59 | 23 7 | 23 3 | 18 13 | 17 5 | 3 21 |
| M26 | 20 47 | 16 13 | 3 19 | 15 23 | 1 49 | 5 46 | 1 41 | 16 11 | 2 2 | 6 46 | 0 51 | 21 21 | 1 30 | 20 55 | 0 11 | 16 29 | 0 13 | 9 17 | 12 59 | 23 8 | 23 3 | 18 11 | 17 7 | 3 21 |
| T 27 | 20 58 | 19 34 | 2 20 | 15 53 | 1 44 | 6 8 | 1 43 | 16 7 | 2 5 | 6 43 | 0 51 | 21 22 | 1 30 | 20 55 | 0 11 | 16 29 | 0 13 | 9 18 | 12 59 | 23 8 | 23 3 | 18 10 | 17 8 | 3 22 |
| W28 | 21 9 | 21 53 | 1 15 | 16 23 | 1 38 | 6 30 | 1 46 | 16 2 | 2 7 | 6 41 | 0 51 | 21 22 | 1 30 | 20 56 | 0 11 | 16 28 | 0 13 | 9 18 | 12 59 | 23 8 | 23 4 | 18 8 | 17 9 | 3 22 |
| T 29 | 21 19 | 23 4 | 0 7 | 16 52 | 1 32 | 6 53 | 1 49 | 15 58 | 2 9 | 6 39 | 0 51 | 21 23 | 1 30 | 20 57 | 0 11 | 16 28 | 0 13 | 9 18 | 12 59 | 23 8 | 23 4 | 18 7 | 17 11 | 3 22 |
| F 30 | 21s29 | 23n 7 | 1n 0 | 17s22 | 1n26 | 7s15 | 1n52 | 15n54 | 2n11 | 6n37 | 0n52 | 21s23 | 1n29 | 20s57 | 0n11 | 16s28 | 0n13 | 9s19 | 12n59 | 23n 8 | 23n 4 | 18n 5 | 17s12 | 3n22 |

Julian Day Number = 2812343.5, Delta T = 53m33s
Ecliptic obliquity = 23°18'39, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°34'07, Lahiri = 37°41'07


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# ASTRODIENST EPHEMERIS for the year 2987
# geocentric

## DECEMBER 2987 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 40 43 | 8♐44'13 | 29♋49 | 25♏54 | 24♎23 | 23♌ 6 | 15♍15 | 19♐21 | 5♐43 | 13♒34 | 12♐41 | 6♋55 | 8♋ 1 | 19♌47 | 2♐26 | S 1 |
| S 2 | 4 44 39 | 9°44'36 | 11♌43 | 27°28 | 25°31 | 23°24 | 15°20 | 19°28 | 5°47 | 13°36 | 12°44 | 6°57 | 7°58 | 19°54 | 2°34 | S 2 |
| M 3 | 4 48 36 | 10°45'00 | 23°33 | 29° 3 | 26°39 | 23°41 | 15°26 | 19°35 | 5°50 | 13°37 | 12°46 | 6°58 | 7°54 | 20° 0 | 2°42 | M 3 |
| T 4 | 4 52 32 | 11°45'26 | 5♍24 | 0♑38 | 27°47 | 23°58 | 15°31 | 19°42 | 5°54 | 13°38 | 12°49 | 7° 0 | 7°51 | 20° 7 | 2°50 | T 4 |
| W 5 | 4 56 29 | 12°45'54 | 17°20 | 2°13 | 28°56 | 24°14 | 15°36 | 19°50 | 5°58 | 13°39 | 12°51 | 7°R 0 | 7°48 | 20°14 | 2°58 | W 5 |
| T 6 | 5 0 26 | 13°46'24 | 29°27 | 3°48 | 0♏ 5 | 24°30 | 15°41 | 19°57 | 6° 2 | 13°41 | 12°53 | 6°59 | 7°45 | 20°20 | 3° 6 | T 6 |
| F 7 | 5 4 22 | 14°46'55 | 11♎49 | 5°24 | 1°14 | 24°45 | 15°46 | 20° 4 | 6° 5 | 13°42 | 12°56 | 6°57 | 7°42 | 20°27 | 3°14 | F 7 |
| S 8 | 5 8 19 | 15°47'28 | 24°31 | 6°59 | 2°23 | 25° 0 | 15°51 | 20°11 | 6° 9 | 13°44 | 12°58 | 6°54 | 7°39 | 20°34 | 3°22 | S 8 |
| S 9 | 5 12 15 | 16°48'03 | 7♏33 | 8°34 | 3°32 | 25°14 | 15°55 | 20°18 | 6°13 | 13°45 | 13° 0 | 6°51 | 7°35 | 20°41 | 3°31 | S 9 |
| M10 | 5 16 12 | 17°48'40 | 20°59 | 10° 9 | 4°42 | 25°27 | 15°59 | 20°25 | 6°16 | 13°46 | 13° 3 | 6°48 | 7°32 | 20°47 | 3°39 | M10 |
| T 11 | 5 20 8 | 18°49'18 | 4♑47 | 11°44 | 5°51 | 25°40 | 16° 4 | 20°32 | 6°20 | 13°48 | 13° 5 | 6°45 | 7°29 | 20°54 | 3°47 | T 11 |
| W12 | 5 24 5 | 19°49'57 | 18°54 | 13°19 | 7° 1 | 25°52 | 16° 8 | 20°40 | 6°24 | 13°49 | 13° 8 | 6°44 | 7°26 | 21° 1 | 3°54 | W12 |
| T 13 | 5 28 2 | 20°50'38 | 3♉17 | 14°54 | 8°11 | 26° 3 | 16°11 | 20°47 | 6°28 | 13°51 | 13°10 | 6°D43 | 7°23 | 21° 7 | 4° 2 | T 13 |
| F 14 | 5 31 58 | 21°51'20 | 17°49 | 16°28 | 9°21 | 26°14 | 16°15 | 20°54 | 6°31 | 13°52 | 13°12 | 6°43 | 7°20 | 21°14 | 4°10 | F 14 |
| S 15 | 5 35 55 | 22°52'04 | 2♒25 | 18° 3 | 10°32 | 26°25 | 16°18 | 21° 1 | 6°35 | 13°54 | 13°15 | 6°44 | 7°16 | 21°21 | 4°18 | S 15 |
| S 16 | 5 39 51 | 23°52'48 | 16°59 | 19°37 | 11°42 | 26°34 | 16°22 | 21° 8 | 6°38 | 13°56 | 13°17 | 6°45 | 7°13 | 21°27 | 4°26 | S 16 |
| M17 | 5 43 48 | 24°53'33 | 1♓26 | 21°12 | 12°52 | 26°43 | 16°25 | 21°15 | 6°42 | 13°57 | 13°19 | 6°46 | 7°10 | 21°34 | 4°34 | M17 |
| T 18 | 5 47 44 | 25°54'19 | 15°42 | 22°46 | 14° 3 | 26°51 | 16°28 | 21°22 | 6°46 | 13°59 | 13°22 | 6°47 | 7° 7 | 21°41 | 4°42 | T 18 |
| W19 | 5 51 41 | 26°55'06 | 29°45 | 24°20 | 15°14 | 26°59 | 16°30 | 21°30 | 6°49 | 14° 1 | 13°24 | 6°R47 | 7° 4 | 21°47 | 4°50 | W19 |
| T 20 | 5 55 37 | 27°55'53 | 13♈35 | 25°55 | 16°25 | 27° 6 | 16°33 | 21°37 | 6°53 | 14° 2 | 13°26 | 6°46 | 7° 0 | 21°54 | 4°57 | T 20 |
| F 21 | 5 59 34 | 28°56'42 | 27° 9 | 27°29 | 17°36 | 27°12 | 16°35 | 21°44 | 6°56 | 14° 4 | 13°29 | 6°46 | 6°57 | 22° 1 | 5° 5 | F 21 |
| S 22 | 6 3 31 | 29°57'31 | 10♉29 | 29° 3 | 18°47 | 27°18 | 16°37 | 21°51 | 7° 0 | 14° 6 | 13°31 | 6°45 | 6°54 | 22° 7 | 5°13 | S 22 |
| S 23 | 6 7 27 | 0♉58'21 | 23°35 | 0♉37 | 19°58 | 27°22 | 16°39 | 21°58 | 7° 3 | 14° 7 | 13°33 | 6°44 | 6°51 | 22°14 | 5°20 | S 23 |
| M24 | 6 11 24 | 1°59'12 | 6♊28 | 2°11 | 21° 9 | 27°26 | 16°41 | 22° 5 | 7° 7 | 14° 9 | 13°36 | 6°43 | 6°48 | 22°21 | 5°28 | M24 |
| T 25 | 6 15 20 | 3° 0'04 | 19° 7 | 3°45 | 22°21 | 27°30 | 16°43 | 22°12 | 7°10 | 14°11 | 13°38 | 6°43 | 6°45 | 22°27 | 5°35 | T 25 |
| W26 | 6 19 17 | 4° 0'57 | 1♋35 | 5°20 | 23°32 | 27°32 | 16°44 | 22°19 | 7°14 | 14°13 | 13°40 | 6°D43 | 6°41 | 22°34 | 5°43 | W26 |
| T 27 | 6 23 13 | 5° 1'50 | 13°51 | 6°54 | 24°44 | 27°34 | 16°45 | 22°26 | 7°17 | 14°15 | 13°43 | 6°43 | 6°38 | 22°41 | 5°50 | T 27 |
| F 28 | 6 27 10 | 6° 2'45 | 25°57 | 8°28 | 25°55 | 27°35 | 16°46 | 22°33 | 7°21 | 14°17 | 13°45 | 6°43 | 6°35 | 22°48 | 5°58 | F 28 |
| S 29 | 6 31 6 | 7° 3'40 | 7♌55 | 10° 3 | 27° 7 | 27°R35 | 16°47 | 22°40 | 7°24 | 14°19 | 13°47 | 6°R43 | 6°32 | 22°54 | 6° 5 | S 29 |
| S 30 | 6 35 3 | 8° 4'37 | 19°48 | 11°37 | 28°19 | 27°34 | 16°48 | 22°47 | 7°27 | 14°20 | 13°49 | 6°43 | 6°29 | 23° 1 | 6°13 | S 30 |
| M31 | 6 39 0 | 9♉ 5'34 | 1♍37 | 13♉12 | 29♏31 | 27♌33 | 16♍48 | 22♐54 | 7♐31 | 14♒22 | 13♐52 | 6♋43 | 6♋26 | 23♌ 8 | 6♐20 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s38 | 22n 5 | 2n 3 | 17s50 | 1n20 | 7s38 | 1n54 | 15n50 | 2n13 | 6n35 | 0n52 | 21s24 | 1n29 | 20s58 | 0n11 | 16s27 | 0n13 | 9s19 | 12n58 | 23n 8 | 23n 4 | 18n 4 | 17s13 | 3n23 |
| S 2 | 21 48 | 20 4 | 3 0 | 18 18 | 1 13 | 8 0 | 1 56 | 15 46 | 2 15 | 6 33 | 0 52 | 21 25 | 1 29 | 20 59 | 0 11 | 16 27 | 0 13 | 9 20 | 12 58 | 23 8 | 23 4 | 18 2 | 17 15 | 3 23 |
| M 3 | 21 56 | 17 12 | 3 49 | 18 46 | 1 6 | 8 23 | 1 58 | 15 43 | 2 17 | 6 31 | 0 52 | 21 25 | 1 29 | 20 59 | 0 11 | 16 27 | 0 13 | 9 20 | 12 58 | 23 8 | 23 5 | 18 1 | 17 16 | 3 23 |
| T 4 | 22 5 | 13 39 | 4 28 | 19 12 | 0 59 | 8 45 | 2 1 | 15 39 | 2 19 | 6 29 | 0 53 | 21 26 | 1 29 | 21 0 | 0 11 | 16 26 | 0 13 | 9 20 | 12 58 | 23 8 | 23 5 | 17 59 | 17 17 | 3 23 |
| W 5 | 22 12 | 9 32 | 4 57 | 19 38 | 0 52 | 9 8 | 2 2 | 15 36 | 2 22 | 6 28 | 0 53 | 21 27 | 1 29 | 21 1 | 0 11 | 16 26 | 0 13 | 9 21 | 12 58 | 23 8 | 23 5 | 17 58 | 17 18 | 3 24 |
| T 6 | 22 20 | 5 0 | 5 12 | 20 3 | 0 45 | 9 30 | 2 4 | 15 33 | 2 24 | 6 26 | 0 53 | 21 27 | 1 29 | 21 1 | 0 11 | 16 26 | 0 13 | 9 21 | 12 58 | 23 8 | 23 5 | 17 56 | 17 20 | 3 24 |
| F 7 | 22 27 | 0 10 | 5 14 | 20 28 | 0 38 | 9 52 | 2 6 | 15 30 | 2 26 | 6 24 | 0 53 | 21 28 | 1 29 | 21 2 | 0 11 | 16 25 | 0 13 | 9 21 | 12 58 | 23 8 | 23 5 | 17 55 | 17 21 | 3 24 |
| S 8 | 22 33 | 4s47 | 5 0 | 20 51 | 0 31 | 10 14 | 2 8 | 15 27 | 2 28 | 6 23 | 0 54 | 21 28 | 1 29 | 21 3 | 0 11 | 16 25 | 0 13 | 9 22 | 12 58 | 23 8 | 23 6 | 17 53 | 17 22 | 3 25 |
| S 9 | 22 40 | 9 41 | 4 31 | 21 13 | 0 24 | 10 36 | 2 9 | 15 25 | 2 31 | 6 21 | 0 54 | 21 29 | 1 29 | 21 3 | 0 11 | 16 24 | 0 13 | 9 22 | 12 58 | 23 8 | 23 6 | 17 52 | 17 23 | 3 25 |
| M10 | 22 45 | 14 16 | 3 46 | 21 34 | 0 17 | 10 58 | 2 10 | 15 22 | 2 33 | 6 20 | 0 54 | 21 29 | 1 29 | 21 4 | 0 11 | 16 24 | 0 13 | 9 22 | 12 58 | 23 8 | 23 6 | 17 50 | 17 24 | 3 25 |
| T 11 | 22 51 | 18 14 | 2 47 | 21 54 | 0 10 | 11 20 | 2 11 | 15 20 | 2 35 | 6 18 | 0 54 | 21 30 | 1 29 | 21 5 | 0 11 | 16 24 | 0 13 | 9 23 | 12 58 | 23 8 | 23 6 | 17 48 | 17 25 | 3 26 |
| W12 | 22 55 | 21 14 | 1 37 | 22 14 | 0 3 | 11 42 | 2 13 | 15 18 | 2 38 | 6 17 | 0 54 | 21 31 | 1 29 | 21 5 | 0 11 | 16 23 | 0 13 | 9 23 | 12 58 | 23 8 | 23 6 | 17 47 | 17 27 | 3 26 |
| T 13 | 23 0 | 22 57 | 0 19 | 22 32 | 0s 4 | 12 3 | 2 14 | 15 17 | 2 40 | 6 16 | 0 55 | 21 31 | 1 29 | 21 6 | 0 11 | 16 23 | 0 13 | 9 23 | 12 58 | 23 8 | 23 6 | 17 45 | 17 28 | 3 26 |
| F 14 | 23 4 | 23 8 | 1s 1 | 22 48 | 0 11 | 12 24 | 2 14 | 15 15 | 2 43 | 6 15 | 0 55 | 21 32 | 1 29 | 21 6 | 0 11 | 16 22 | 0 13 | 9 23 | 12 58 | 23 8 | 23 7 | 17 44 | 17 29 | 3 27 |
| S 15 | 23 7 | 21 45 | 2 18 | 23 4 | 0 18 | 12 46 | 2 15 | 15 14 | 2 45 | 6 13 | 0 55 | 21 32 | 1 28 | 21 7 | 0 11 | 16 22 | 0 13 | 9 24 | 12 58 | 23 8 | 23 7 | 17 42 | 17 30 | 3 27 |
| S 16 | 23 10 | 18 55 | 3 25 | 23 19 | 0 24 | 13 7 | 2 16 | 15 13 | 2 47 | 6 12 | 0 55 | 21 33 | 1 28 | 21 8 | 0 11 | 16 21 | 0 13 | 9 24 | 12 58 | 23 8 | 23 7 | 17 41 | 17 31 | 3 27 |
| M17 | 23 13 | 14 56 | 4 19 | 23 32 | 0 31 | 13 27 | 2 16 | 15 12 | 2 50 | 6 11 | 0 56 | 21 33 | 1 28 | 21 8 | 0 11 | 16 21 | 0 13 | 9 24 | 12 58 | 23 8 | 23 7 | 17 39 | 17 32 | 3 28 |
| T 18 | 23 15 | 10 9 | 4 56 | 23 44 | 0 37 | 13 48 | 2 17 | 15 12 | 2 52 | 6 11 | 0 56 | 21 34 | 1 28 | 21 9 | 0 11 | 16 21 | 0 13 | 9 24 | 12 58 | 23 8 | 23 7 | 17 38 | 17 33 | 3 28 |
| W19 | 23 17 | 4 55 | 5 15 | 23 55 | 0 44 | 14 8 | 2 17 | 15 11 | 2 55 | 6 10 | 0 56 | 21 34 | 1 28 | 21 10 | 0 11 | 16 20 | 0 13 | 9 25 | 12 58 | 23 8 | 23 7 | 17 36 | 17 34 | 3 29 |
| T 20 | 23 18 | 0n29 | 5 15 | 24 5 | 0 50 | 14 28 | 2 17 | 15 11 | 2 57 | 6 9 | 0 56 | 21 35 | 1 28 | 21 10 | 0 11 | 16 20 | 0 13 | 9 25 | 12 58 | 23 8 | 23 8 | 17 34 | 17 35 | 3 29 |
| F 21 | 23 18 | 5 46 | 4 57 | 24 13 | 0 56 | 14 48 | 2 17 | 15 12 | 3 0 | 6 8 | 0 57 | 21 35 | 1 28 | 21 11 | 0 11 | 16 19 | 0 13 | 9 25 | 12 58 | 23 8 | 23 8 | 17 33 | 17 36 | 3 29 |
| S 22 | 23 19 | 10 42 | 4 24 | 24 20 | 1 2 | 15 7 | 2 17 | 15 12 | 3 2 | 6 8 | 0 57 | 21 36 | 1 28 | 21 11 | 0 11 | 16 19 | 0 13 | 9 25 | 12 58 | 23 8 | 23 8 | 17 31 | 17 37 | 3 30 |
| S 23 | 23 18 | 15 4 | 3 37 | 24 26 | 1 8 | 15 26 | 2 17 | 15 13 | 3 5 | 6 7 | 0 57 | 21 36 | 1 28 | 21 12 | 0 11 | 16 18 | 0 12 | 9 26 | 12 58 | 23 8 | 23 8 | 17 30 | 17 38 | 3 30 |
| M24 | 23 18 | 18 38 | 2 40 | 24 31 | 1 13 | 15 45 | 2 17 | 15 14 | 3 8 | 6 7 | 0 57 | 21 37 | 1 28 | 21 13 | 0 10 | 16 18 | 0 12 | 9 26 | 12 58 | 23 8 | 23 8 | 17 28 | 17 39 | 3 31 |
| T 25 | 23 17 | 21 16 | 1 36 | 24 34 | 1 19 | 16 4 | 2 16 | 15 15 | 3 10 | 6 6 | 0 58 | 21 37 | 1 28 | 21 13 | 0 10 | 16 17 | 0 12 | 9 26 | 12 58 | 23 8 | 23 8 | 17 26 | 17 40 | 3 31 |
| W26 | 23 15 | 22 50 | 0 28 | 24 36 | 1 24 | 16 22 | 2 16 | 15 17 | 3 13 | 6 6 | 0 58 | 21 37 | 1 28 | 21 14 | 0 10 | 16 17 | 0 12 | 9 26 | 12 58 | 23 8 | 23 9 | 17 25 | 17 40 | 3 31 |
| T 27 | 23 13 | 23 15 | 0n40 | 24 37 | 1 29 | 16 40 | 2 15 | 15 19 | 3 15 | 6 6 | 0 58 | 21 38 | 1 28 | 21 14 | 0 10 | 16 16 | 0 12 | 9 26 | 12 58 | 23 8 | 23 9 | 17 23 | 17 41 | 3 32 |
| F 28 | 23 10 | 22 34 | 1 45 | 24 36 | 1 33 | 16 57 | 2 15 | 15 21 | 3 18 | 6 6 | 0 59 | 21 38 | 1 28 | 21 15 | 0 10 | 16 16 | 0 12 | 9 26 | 12 58 | 23 8 | 23 9 | 17 22 | 17 42 | 3 32 |
| S 29 | 23 7 | 20 51 | 2 45 | 24 34 | 1 38 | 17 14 | 2 14 | 15 23 | 3 21 | 6 6 | 0 59 | 21 39 | 1 28 | 21 15 | 0 10 | 16 15 | 0 12 | 9 27 | 12 59 | 23 8 | 23 9 | 17 20 | 17 43 | 3 33 |
| S 30 | 23 4 | 18 14 | 3 37 | 24 30 | 1 42 | 17 31 | 2 13 | 15 26 | 3 23 | 6 6 | 0 59 | 21 39 | 1 28 | 21 16 | 0 10 | 16 15 | 0 12 | 9 27 | 12 59 | 23 8 | 23 9 | 17 18 | 17 44 | 3 33 |
| M31 | 23s 0 | 14n53 | 4n20 | 24s26 | 1s46 | 17s47 | 2n12 | 15n29 | 3n26 | 6n 6 | 0n59 | 21s39 | 1n28 | 21s16 | 0n10 | 16s14 | 0n12 | 9s27 | 12n59 | 23n 9 | 23n 9 | 17n17 | 17s45 | 3n33 |

Julian Day Number = 2812373.5, Delta T = 53m34s
Ecliptic obliquity = 23°18'39, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°34'11, Lahiri = 37°41'11


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# ASTRODIENST EPHEMERIS for the year 2988
# geocentric

## JANUARY 2988 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 42 56 | 10♉ 6'32 | 13♍28 | 14♉47 | 0♐43 | 27°R31 | 16♍48 | 23♐ 1 | 7♐34 | 14♒24 | 13♐54 | 6°R42 | 6♋22 | 23♌14 | 6♐27 | T 1 |
| W 2 | 6 46 53 | 11° 7'32 | 25°23 | 16°22 | 1°55 | 27♌28 | 16°R48 | 23° 8 | 7°37 | 14°26 | 13°56 | 6♋42 | 6°19 | 23°21 | 6°35 | W 2 |
| T 3 | 6 50 49 | 12° 8'32 | 7♎28 | 17°57 | 3° 8 | 27°24 | 16°48 | 23°15 | 7°41 | 14°28 | 13°58 | 6°D42 | 6°16 | 23°28 | 6°42 | T 3 |
| F 4 | 6 54 46 | 13° 9'33 | 19°46 | 19°32 | 4°20 | 27°19 | 16°48 | 23°22 | 7°44 | 14°30 | 14° 0 | 6°42 | 6°13 | 23°34 | 6°49 | F 4 |
| S 5 | 6 58 42 | 14°10'34 | 2♏22 | 21° 8 | 5°32 | 27°13 | 16°47 | 23°29 | 7°47 | 14°32 | 14° 2 | 6°42 | 6°10 | 23°41 | 6°56 | S 5 |
| S 6 | 7 2 39 | 15°11'37 | 15°21 | 22°43 | 6°45 | 27° 7 | 16°47 | 23°36 | 7°50 | 14°34 | 14° 5 | 6°43 | 6° 6 | 23°48 | 7° 3 | S 6 |
| M 7 | 7 6 35 | 16°12'41 | 28°45 | 24°19 | 7°57 | 27° 0 | 16°46 | 23°43 | 7°54 | 14°36 | 14° 7 | 6°44 | 6° 3 | 23°54 | 7°10 | M 7 |
| T 8 | 7 10 32 | 17°13'45 | 12♐35 | 25°54 | 9°10 | 26°52 | 16°44 | 23°49 | 7°57 | 14°38 | 14° 9 | 6°44 | 6° 0 | 24° 1 | 7°17 | T 8 |
| W 9 | 7 14 29 | 18°14'50 | 26°50 | 27°30 | 10°23 | 26°43 | 16°43 | 23°56 | 8° 0 | 14°40 | 14°11 | 6°45 | 5°57 | 24° 8 | 7°24 | W 9 |
| T 10 | 7 18 25 | 19°15'56 | 11♑28 | 29° 6 | 11°36 | 26°33 | 16°42 | 24° 3 | 8° 3 | 14°43 | 14°13 | 6°R45 | 5°54 | 24°14 | 7°31 | T 10 |
| F 11 | 7 22 22 | 20°17'02 | 26°22 | 0♒42 | 12°48 | 26°22 | 16°40 | 24° 9 | 8° 6 | 14°45 | 14°15 | 6°45 | 5°51 | 24°21 | 7°37 | F 11 |
| S 12 | 7 26 18 | 21°18'08 | 11♒24 | 2°18 | 14° 1 | 26°11 | 16°38 | 24°16 | 8° 9 | 14°47 | 14°17 | 6°43 | 5°47 | 24°28 | 7°44 | S 12 |
| S 13 | 7 30 15 | 22°19'15 | 26°26 | 3°54 | 15°14 | 25°58 | 16°36 | 24°23 | 8°12 | 14°49 | 14°19 | 6°41 | 5°44 | 24°35 | 7°51 | S 13 |
| M14 | 7 34 11 | 23°20'21 | 11♓17 | 5°30 | 16°27 | 25°45 | 16°34 | 24°29 | 8°15 | 14°51 | 14°21 | 6°39 | 5°41 | 24°41 | 7°57 | M14 |
| T 15 | 7 38 8 | 24°21'28 | 25°53 | 7° 6 | 17°40 | 25°32 | 16°31 | 24°36 | 8°18 | 14°53 | 14°23 | 6°37 | 5°38 | 24°48 | 8° 4 | T 15 |
| W16 | 7 42 5 | 25°22'34 | 10♈ 7 | 8°42 | 18°53 | 25°17 | 16°28 | 24°42 | 8°20 | 14°55 | 14°25 | 6°36 | 5°35 | 24°55 | 8°10 | W16 |
| T 17 | 7 46 1 | 26°23'40 | 23°59 | 10°17 | 20° 7 | 25° 2 | 16°25 | 24°49 | 8°23 | 14°58 | 14°27 | 6°D35 | 5°32 | 25° 1 | 8°17 | T 17 |
| F 18 | 7 49 58 | 27°24'46 | 7♉28 | 11°51 | 21°20 | 24°45 | 16°22 | 24°55 | 8°26 | 15° 0 | 14°29 | 6°35 | 5°28 | 25° 8 | 8°23 | F 18 |
| S 19 | 7 53 54 | 28°25'52 | 20°36 | 13°25 | 22°33 | 24°29 | 16°19 | 25° 2 | 8°29 | 15° 2 | 14°30 | 6°37 | 5°25 | 25°15 | 8°29 | S 19 |
| S 20 | 7 57 51 | 29°26'58 | 3♊25 | 14°58 | 23°46 | 24°11 | 16°16 | 25° 8 | 8°32 | 15° 4 | 14°32 | 6°38 | 5°22 | 25°21 | 8°35 | S 20 |
| M21 | 8 1 47 | 0♒28'03 | 15°59 | 16°30 | 25° 0 | 23°53 | 16°12 | 25°14 | 8°34 | 15° 6 | 14°34 | 6°40 | 5°19 | 25°28 | 8°42 | M21 |
| T 22 | 8 5 44 | 1°29'09 | 28°20 | 18° 1 | 26°13 | 23°34 | 16° 8 | 25°20 | 8°37 | 15° 9 | 14°36 | 6°41 | 5°16 | 25°35 | 8°48 | T 22 |
| W23 | 8 9 40 | 2°30'14 | 10♋32 | 19°30 | 27°26 | 23°15 | 16° 4 | 25°27 | 8°39 | 15°11 | 14°38 | 6°R41 | 5°12 | 25°41 | 8°54 | W23 |
| T 24 | 8 13 37 | 3°31'19 | 22°35 | 20°57 | 28°40 | 22°55 | 16° 0 | 25°33 | 8°42 | 15°13 | 14°39 | 6°40 | 5° 9 | 25°48 | 8°59 | T 24 |
| F 25 | 8 17 34 | 4°32'24 | 4♌32 | 22°22 | 29°53 | 22°34 | 15°56 | 25°39 | 8°45 | 15°15 | 14°41 | 6°37 | 5° 6 | 25°55 | 9° 5 | F 25 |
| S 26 | 8 21 30 | 5°33'28 | 16°26 | 23°44 | 1♉ 7 | 22°13 | 15°51 | 25°45 | 8°47 | 15°18 | 14°43 | 6°33 | 5° 3 | 26° 2 | 9°11 | S 26 |
| S 27 | 8 25 27 | 6°34'33 | 28°17 | 25° 2 | 2°21 | 21°51 | 15°47 | 25°51 | 8°49 | 15°20 | 14°45 | 6°28 | 5° 0 | 26° 8 | 9°17 | S 27 |
| M28 | 8 29 23 | 7°35'37 | 10♍ 8 | 26°17 | 3°34 | 21°29 | 15°42 | 25°57 | 8°52 | 15°22 | 14°46 | 6°22 | 4°57 | 26°15 | 9°22 | M28 |
| T 29 | 8 33 20 | 8°36'41 | 22° 0 | 27°27 | 4°48 | 21° 7 | 15°37 | 26° 3 | 8°54 | 15°24 | 14°48 | 6°16 | 4°53 | 26°22 | 9°28 | T 29 |
| W30 | 8 37 16 | 9°37'45 | 3♎57 | 28°31 | 6° 2 | 20°44 | 15°32 | 26° 9 | 8°56 | 15°27 | 14°49 | 6°11 | 4°50 | 26°28 | 9°33 | W30 |
| T 31 | 8 41 13 | 10♒38'48 | 16♎ 1 | 29♒29 | 7♉15 | 20♌21 | 15♍26 | 26♐15 | 8♐59 | 15♒29 | 14♐51 | 6♋ 7 | 4♋47 | 26♌35 | 9♐39 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s56 | 10n57 | 4n52 | 24s19 | 1s50 | 18s 3 | 2n11 | 15n32 | 3n28 | 6n 6 | 1n 0 | 21s40 | 1n28 | 21s17 | 0n10 | 16s13 | 0n12 | 9s27 | 12n59 | 23n 9 | 23n10 | 17n15 | 17s45 | 3n34 |
| W 2 | 22 51 | 6 35 | 5 11 | 24 12 | 1 54 | 18 19 | 2 10 | 15 35 | 3 31 | 6 6 | 1 0 | 21 40 | 1 28 | 21 18 | 0 10 | 16 13 | 0 12 | 9 27 | 12 59 | 23 9 | 23 10 | 17 13 | 17 46 | 3 34 |
| T 3 | 22 46 | 1 55 | 5 17 | 24 3 | 1 57 | 18 34 | 2 9 | 15 39 | 3 34 | 6 6 | 1 0 | 21 41 | 1 28 | 21 18 | 0 10 | 16 12 | 0 12 | 9 27 | 12 59 | 23 9 | 23 10 | 17 12 | 17 47 | 3 35 |
| F 4 | 22 40 | 2s55 | 5 9 | 23 53 | 2 0 | 18 48 | 2 8 | 15 43 | 3 36 | 6 7 | 1 0 | 21 41 | 1 28 | 21 19 | 0 10 | 16 12 | 0 12 | 9 27 | 12 59 | 23 9 | 23 10 | 17 10 | 17 48 | 3 35 |
| S 5 | 22 34 | 7 45 | 4 46 | 23 41 | 2 3 | 19 2 | 2 6 | 15 48 | 3 39 | 6 7 | 1 1 | 21 41 | 1 28 | 21 19 | 0 10 | 16 11 | 0 12 | 9 27 | 12 59 | 23 9 | 23 10 | 17 8 | 17 48 | 3 36 |
| S 6 | 22 27 | 12 23 | 4 8 | 23 28 | 2 5 | 19 16 | 2 5 | 15 52 | 3 41 | 6 8 | 1 1 | 21 42 | 1 28 | 21 20 | 0 10 | 16 11 | 0 12 | 9 27 | 13 0 | 23 9 | 23 10 | 17 7 | 17 49 | 3 36 |
| M 7 | 22 20 | 16 35 | 3 16 | 23 14 | 2 7 | 19 29 | 2 3 | 15 57 | 3 44 | 6 8 | 1 1 | 21 42 | 1 28 | 21 20 | 0 10 | 16 10 | 0 12 | 9 28 | 13 0 | 23 8 | 23 10 | 17 5 | 17 50 | 3 37 |
| T 8 | 22 12 | 20 2 | 2 10 | 22 58 | 2 9 | 19 42 | 2 2 | 16 2 | 3 46 | 6 9 | 1 1 | 21 42 | 1 28 | 21 21 | 0 10 | 16 9 | 0 12 | 9 28 | 13 0 | 23 8 | 23 11 | 17 3 | 17 50 | 3 37 |
| W 9 | 22 5 | 22 22 | 0 55 | 22 40 | 2 10 | 19 54 | 2 0 | 16 8 | 3 49 | 6 10 | 1 2 | 21 43 | 1 28 | 21 21 | 0 10 | 16 9 | 0 12 | 9 28 | 13 0 | 23 8 | 23 11 | 17 2 | 17 51 | 3 38 |
| T 10 | 21 56 | 23 15 | 0s26 | 22 22 | 2 11 | 20 6 | 1 58 | 16 13 | 3 51 | 6 11 | 1 2 | 21 43 | 1 28 | 21 22 | 0 10 | 16 8 | 0 12 | 9 28 | 13 0 | 23 8 | 23 11 | 17 0 | 17 51 | 3 38 |
| F 11 | 21 47 | 22 31 | 1 47 | 22 2 | 2 11 | 20 17 | 1 56 | 16 19 | 3 54 | 6 11 | 1 2 | 21 43 | 1 28 | 21 22 | 0 10 | 16 8 | 0 12 | 9 28 | 13 0 | 23 8 | 23 11 | 16 58 | 17 52 | 3 39 |
| S 12 | 21 38 | 20 9 | 3 0 | 21 41 | 2 12 | 20 28 | 1 55 | 16 26 | 3 56 | 6 12 | 1 2 | 21 43 | 1 28 | 21 23 | 0 10 | 16 7 | 0 12 | 9 28 | 13 1 | 23 8 | 23 11 | 16 57 | 17 53 | 3 39 |
| S 13 | 21 28 | 16 25 | 4 1 | 21 18 | 2 11 | 20 38 | 1 53 | 16 32 | 3 59 | 6 14 | 1 3 | 21 44 | 1 28 | 21 23 | 0 10 | 16 7 | 0 12 | 9 28 | 13 1 | 23 9 | 23 11 | 16 55 | 17 53 | 3 40 |
| M14 | 21 18 | 11 42 | 4 46 | 20 54 | 2 10 | 20 47 | 1 51 | 16 39 | 4 1 | 6 15 | 1 3 | 21 44 | 1 28 | 21 24 | 0 10 | 16 6 | 0 12 | 9 28 | 13 1 | 23 9 | 23 11 | 16 53 | 17 54 | 3 40 |
| T 15 | 21 8 | 6 23 | 5 10 | 20 28 | 2 9 | 20 56 | 1 49 | 16 46 | 4 3 | 6 16 | 1 3 | 21 44 | 1 28 | 21 24 | 0 10 | 16 5 | 0 12 | 9 28 | 13 1 | 23 9 | 23 12 | 16 52 | 17 54 | 3 41 |
| W16 | 20 57 | 0 51 | 5 15 | 20 2 | 2 7 | 21 5 | 1 46 | 16 53 | 4 5 | 6 17 | 1 3 | 21 44 | 1 28 | 21 24 | 0 10 | 16 5 | 0 12 | 9 28 | 13 1 | 23 9 | 23 12 | 16 50 | 17 55 | 3 41 |
| T 17 | 20 46 | 4n35 | 5 1 | 19 34 | 2 4 | 21 13 | 1 44 | 17 0 | 4 8 | 6 18 | 1 4 | 21 45 | 1 28 | 21 25 | 0 10 | 16 4 | 0 12 | 9 28 | 13 2 | 23 9 | 23 12 | 16 48 | 17 55 | 3 42 |
| F 18 | 20 34 | 9 39 | 4 31 | 19 5 | 2 1 | 21 20 | 1 42 | 17 7 | 4 10 | 6 20 | 1 4 | 21 45 | 1 28 | 21 25 | 0 10 | 16 3 | 0 12 | 9 28 | 13 2 | 23 9 | 23 12 | 16 46 | 17 56 | 3 42 |
| S 19 | 20 22 | 14 9 | 3 47 | 18 35 | 1 57 | 21 27 | 1 40 | 17 15 | 4 12 | 6 21 | 1 4 | 21 45 | 1 28 | 21 26 | 0 10 | 16 3 | 0 12 | 9 28 | 13 2 | 23 9 | 23 12 | 16 45 | 17 56 | 3 43 |
| S 20 | 20 9 | 17 53 | 2 53 | 18 3 | 1 53 | 21 33 | 1 37 | 17 23 | 4 14 | 6 23 | 1 4 | 21 45 | 1 28 | 21 26 | 0 10 | 16 2 | 0 12 | 9 28 | 13 2 | 23 9 | 23 12 | 16 43 | 17 56 | 3 43 |
| M21 | 19 57 | 20 44 | 1 52 | 17 31 | 1 48 | 21 38 | 1 35 | 17 31 | 4 16 | 6 25 | 1 5 | 21 46 | 1 28 | 21 27 | 0 10 | 16 2 | 0 12 | 9 28 | 13 3 | 23 9 | 23 12 | 16 41 | 17 57 | 3 44 |
| T 22 | 19 43 | 22 32 | 0 46 | 16 58 | 1 42 | 21 43 | 1 32 | 17 39 | 4 18 | 6 26 | 1 5 | 21 46 | 1 28 | 21 27 | 0 10 | 16 1 | 0 12 | 9 28 | 13 3 | 23 9 | 23 12 | 16 39 | 17 57 | 3 44 |
| W23 | 19 30 | 23 15 | 0n21 | 16 24 | 1 35 | 21 47 | 1 30 | 17 47 | 4 19 | 6 28 | 1 5 | 21 46 | 1 28 | 21 27 | 0 10 | 16 0 | 0 12 | 9 28 | 13 3 | 23 9 | 23 13 | 16 38 | 17 58 | 3 45 |
| T 24 | 19 16 | 22 51 | 1 26 | 15 49 | 1 28 | 21 51 | 1 27 | 17 55 | 4 21 | 6 30 | 1 5 | 21 46 | 1 28 | 21 28 | 0 10 | 16 0 | 0 12 | 9 27 | 13 3 | 23 9 | 23 13 | 16 36 | 17 58 | 3 45 |
| F 25 | 19 1 | 21 24 | 2 27 | 15 14 | 1 20 | 21 54 | 1 25 | 18 3 | 4 23 | 6 32 | 1 6 | 21 46 | 1 28 | 21 28 | 0 10 | 15 59 | 0 12 | 9 27 | 13 4 | 23 9 | 23 13 | 16 34 | 17 58 | 3 46 |
| S 26 | 18 47 | 19 1 | 3 21 | 14 39 | 1 10 | 21 56 | 1 22 | 18 12 | 4 24 | 6 34 | 1 6 | 21 46 | 1 28 | 21 29 | 0 10 | 15 58 | 0 12 | 9 27 | 13 4 | 23 9 | 23 13 | 16 32 | 17 58 | 3 47 |
| S 27 | 18 32 | 15 51 | 4 6 | 14 3 | 1 0 | 21 58 | 1 19 | 18 20 | 4 26 | 6 36 | 1 6 | 21 47 | 1 28 | 21 29 | 0 10 | 15 58 | 0 12 | 9 27 | 13 4 | 23 9 | 23 13 | 16 31 | 17 59 | 3 47 |
| M28 | 18 16 | 12 3 | 4 40 | 13 28 | 0 49 | 21 59 | 1 17 | 18 28 | 4 27 | 6 38 | 1 6 | 21 47 | 1 28 | 21 29 | 0 10 | 15 57 | 0 12 | 9 27 | 13 4 | 23 10 | 23 13 | 16 29 | 17 59 | 3 48 |
| T 29 | 18 1 | 7 47 | 5 2 | 12 53 | 0 37 | 22 0 | 1 14 | 18 37 | 4 28 | 6 40 | 1 6 | 21 47 | 1 28 | 21 30 | 0 10 | 15 56 | 0 12 | 9 27 | 13 5 | 23 10 | 23 13 | 16 27 | 17 59 | 3 48 |
| W30 | 17 45 | 3 12 | 5 11 | 12 19 | 0 25 | 21 59 | 1 11 | 18 45 | 4 29 | 6 42 | 1 7 | 21 47 | 1 28 | 21 30 | 0 10 | 15 56 | 0 12 | 9 27 | 13 5 | 23 10 | 23 13 | 16 25 | 17 59 | 3 49 |
| T 31 | 17s28 | 1s32 | 5n 7 | 11s45 | 0s11 | 21s59 | 1n 8 | 18n54 | 4n30 | 6n44 | 1n 7 | 21s47 | 1n28 | 21s30 | 0n10 | 15s55 | 0n12 | 9s27 | 13n 5 | 23n10 | 23n14 | 16n24 | 18s 0 | 3n50 |

Julian Day Number = 2812404.5, Delta T = 53m34s
Ecliptic obliquity = 23°18'39, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°34'15, Lahiri = 37°41'16


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# ASTRODIENST EPHEMERIS for the year 2988
# geocentric

## FEBRUARY 2988 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 8 45 9 | 11♒39'52 | 28♎17 | 0♓20 | 8♑29 | 19°R58 | 15°R21 | 26♐20 | 9♐ 1 | 15♒31 | 14♐53 | 6°R 4 | 4♋44 | 26♌42 | 9♐44 | F 1 |
| S 2 | 8 49 6 | 12°40'55 | 10♏48 | 1° 4 | 9°43 | 19♌34 | 15♍15 | 26°26 | 9° 3 | 15°33 | 14°54 | 6°D 3 | 4°41 | 26°48 | 9°49 | S 2 |
| S 3 | 8 53 3 | 13°41'59 | 23°38 | 1°38 | 10°57 | 19°10 | 15°10 | 26°32 | 9° 5 | 15°36 | 14°56 | 6♋ 3 | 4°38 | 26°55 | 9°54 | S 3 |
| M 4 | 8 56 59 | 14°43'02 | 6♐52 | 2° 3 | 12°11 | 18°47 | 15° 4 | 26°37 | 9° 7 | 15°38 | 14°57 | 6° 5 | 4°34 | 27° 2 | 9°59 | M 4 |
| T 5 | 9 0 56 | 15°44'05 | 20°33 | 2°18 | 13°25 | 18°22 | 14°58 | 26°43 | 9° 9 | 15°40 | 14°58 | 6° 6 | 4°31 | 27° 8 | 10° 4 | T 5 |
| W 6 | 9 4 52 | 16°45'08 | 4♑42 | 2°R21 | 14°38 | 17°58 | 14°52 | 26°48 | 9°11 | 15°42 | 15° 0 | 6°R 7 | 4°28 | 27°15 | 10° 9 | W 6 |
| T 7 | 9 8 49 | 17°46'10 | 19°18 | 2°13 | 15°52 | 17°34 | 14°45 | 26°53 | 9°13 | 15°45 | 15° 1 | 6° 6 | 4°25 | 27°22 | 10°14 | T 7 |
| F 8 | 9 12 45 | 18°47'12 | 4♒16 | 1°54 | 17° 6 | 17°10 | 14°39 | 26°59 | 9°15 | 15°47 | 15° 3 | 6° 4 | 4°22 | 27°29 | 10°19 | F 8 |
| S 9 | 9 16 42 | 19°48'13 | 19°30 | 1°23 | 18°20 | 16°46 | 14°32 | 27° 4 | 9°17 | 15°49 | 15° 4 | 5°59 | 4°18 | 27°35 | 10°23 | S 9 |
| S 10 | 9 20 38 | 20°49'13 | 4♓48 | 0°41 | 19°34 | 16°23 | 14°26 | 27° 9 | 9°19 | 15°52 | 15° 5 | 5°52 | 4°15 | 27°42 | 10°28 | S 10 |
| M11 | 9 24 35 | 21°50'13 | 20° 0 | 29♒49 | 20°49 | 15°59 | 14°19 | 27°14 | 9°20 | 15°54 | 15° 6 | 5°45 | 4°12 | 27°49 | 10°32 | M11 |
| T 12 | 9 28 32 | 22°51'12 | 4♈56 | 28°49 | 22° 3 | 15°36 | 14°12 | 27°19 | 9°22 | 15°56 | 15° 8 | 5°38 | 4° 9 | 27°55 | 10°36 | T 12 |
| W13 | 9 32 28 | 23°52'09 | 19°28 | 27°42 | 23°17 | 15°13 | 14° 5 | 27°24 | 9°24 | 15°58 | 15° 9 | 5°32 | 4° 6 | 28° 2 | 10°41 | W13 |
| T 14 | 9 36 25 | 24°53'06 | 3♉32 | 26°30 | 24°31 | 14°50 | 13°58 | 27°29 | 9°25 | 16° 1 | 15°10 | 5°27 | 4° 3 | 28° 9 | 10°45 | T 14 |
| F 15 | 9 40 21 | 25°54'01 | 17° 7 | 25°16 | 25°45 | 14°28 | 13°51 | 27°34 | 9°27 | 16° 3 | 15°11 | 5°25 | 3°59 | 28°15 | 10°49 | F 15 |
| S 16 | 9 44 18 | 26°54'55 | 0♊15 | 24° 1 | 26°59 | 14° 6 | 13°43 | 27°39 | 9°28 | 16° 5 | 15°12 | 5°D25 | 3°56 | 28°22 | 10°53 | S 16 |
| S 17 | 9 48 14 | 27°55'48 | 13° 0 | 22°48 | 28°13 | 13°45 | 13°36 | 27°44 | 9°30 | 16° 7 | 15°13 | 5°26 | 3°53 | 28°29 | 10°57 | S 17 |
| M18 | 9 52 11 | 28°56'40 | 25°25 | 21°39 | 29°27 | 13°24 | 13°29 | 27°48 | 9°31 | 16°10 | 15°14 | 5°27 | 3°50 | 28°36 | 11° 0 | M18 |
| T 19 | 9 56 7 | 29°57'30 | 7♋36 | 20°34 | 0♒42 | 13° 3 | 13°21 | 27°53 | 9°32 | 16°12 | 15°15 | 5°R27 | 3°47 | 28°42 | 11° 4 | T 19 |
| W20 | 10 0 4 | 0♓58'20 | 19°37 | 19°37 | 1°56 | 12°43 | 13°14 | 27°57 | 9°34 | 16°14 | 15°16 | 5°26 | 3°44 | 28°49 | 11° 8 | W20 |
| T 21 | 10 4 1 | 1°59'08 | 1♌32 | 18°46 | 3°10 | 12°24 | 13° 6 | 28° 2 | 9°35 | 16°16 | 15°17 | 5°23 | 3°40 | 28°56 | 11°11 | T 21 |
| F 22 | 10 7 57 | 2°59'54 | 13°23 | 18° 4 | 4°24 | 12° 6 | 12°58 | 28° 6 | 9°36 | 16°18 | 15°18 | 5°16 | 3°37 | 29° 2 | 11°15 | F 22 |
| S 23 | 10 11 54 | 4° 0'40 | 25°13 | 17°29 | 5°38 | 11°48 | 12°51 | 28°10 | 9°37 | 16°21 | 15°19 | 5° 8 | 3°34 | 29° 9 | 11°18 | S 23 |
| S 24 | 10 15 50 | 5° 1'24 | 7♍ 4 | 17° 4 | 6°53 | 11°30 | 12°43 | 28°14 | 9°38 | 16°23 | 15°20 | 4°57 | 3°31 | 29°16 | 11°21 | S 24 |
| M25 | 10 19 47 | 6° 2'07 | 18°58 | 16°46 | 8° 7 | 11°14 | 12°35 | 28°18 | 9°39 | 16°25 | 15°20 | 4°44 | 3°28 | 29°22 | 11°24 | M25 |
| T 26 | 10 23 43 | 7° 2'49 | 0♎56 | 16°36 | 9°21 | 10°58 | 12°27 | 28°22 | 9°40 | 16°27 | 15°21 | 4°32 | 3°24 | 29°29 | 11°27 | T 26 |
| W27 | 10 27 40 | 8° 3'29 | 12°59 | 16°D34 | 10°35 | 10°43 | 12°19 | 28°26 | 9°41 | 16°29 | 15°22 | 4°20 | 3°21 | 29°36 | 11°30 | W27 |
| T 28 | 10 31 36 | 9° 4'09 | 25° 9 | 16°39 | 11°50 | 10°28 | 12°11 | 28°30 | 9°42 | 16°31 | 15°22 | 4°11 | 3°18 | 29°42 | 11°33 | T 28 |
| F 29 | 10 35 33 | 10♓ 4'47 | 7♏28 | 16♒51 | 13♒ 4 | 10♌14 | 12♍ 3 | 28♐34 | 9♐43 | 16♒34 | 15♐23 | 4♋ 3 | 3♋15 | 29♌49 | 11♐35 | F 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17s12 | 6s18 | 4n49 | 11s14 | 0n 4 | 21s57 | 1n 5 | 19n 2 | 4n31 | 6n47 | 1n 7 | 21s47 | 1n28 | 21s31 | 0n10 | 15s54 | 0n12 | 9s27 | 13n 5 | 23n10 | 23n14 | 16n22 | 18s 0 | 3n50 |
| S 2 | 16 55 | 10 55 | 4 16 | 10 44 | 0 20 | 21 55 | 1 3 | 19 10 | 4 32 | 6 49 | 1 7 | 21 47 | 1 28 | 21 31 | 0 10 | 15 54 | 0 12 | 9 26 | 13 6 | 23 10 | 23 14 | 16 20 | 18 0 | 3 51 |
| S 3 | 16 37 | 15 11 | 3 31 | 10 16 | 0 36 | 21 52 | 1 0 | 19 19 | 4 33 | 6 51 | 1 7 | 21 47 | 1 29 | 21 31 | 0 10 | 15 53 | 0 12 | 9 26 | 13 6 | 23 10 | 23 14 | 16 18 | 18 0 | 3 51 |
| M 4 | 16 20 | 18 50 | 2 32 | 9 52 | 0 53 | 21 49 | 0 57 | 19 27 | 4 33 | 6 54 | 1 8 | 21 48 | 1 29 | 21 32 | 0 10 | 15 52 | 0 12 | 9 26 | 13 6 | 23 10 | 23 14 | 16 16 | 18 0 | 3 52 |
| T 5 | 16 2 | 21 35 | 1 24 | 9 30 | 1 10 | 21 45 | 0 54 | 19 35 | 4 34 | 6 56 | 1 8 | 21 48 | 1 29 | 21 32 | 0 10 | 15 52 | 0 12 | 9 26 | 13 7 | 23 10 | 23 14 | 16 15 | 18 0 | 3 53 |
| W 6 | 15 44 | 23 6 | 0 8 | 9 12 | 1 28 | 21 40 | 0 51 | 19 43 | 4 34 | 6 59 | 1 8 | 21 48 | 1 29 | 21 32 | 0 10 | 15 51 | 0 12 | 9 26 | 13 7 | 23 10 | 23 14 | 16 13 | 18 0 | 3 53 |
| T 7 | 15 25 | 23 6 | 1s11 | 8 58 | 1 46 | 21 35 | 0 48 | 19 50 | 4 34 | 7 1 | 1 8 | 21 48 | 1 29 | 21 33 | 0 10 | 15 50 | 0 12 | 9 26 | 13 7 | 23 10 | 23 14 | 16 11 | 18 0 | 3 54 |
| F 8 | 15 7 | 21 28 | 2 27 | 8 49 | 2 4 | 21 29 | 0 45 | 19 58 | 4 35 | 7 4 | 1 8 | 21 48 | 1 29 | 21 33 | 0 10 | 15 50 | 0 12 | 9 25 | 13 8 | 23 10 | 23 14 | 16 9 | 18 0 | 3 54 |
| S 9 | 14 48 | 18 16 | 3 33 | 8 44 | 2 21 | 21 22 | 0 42 | 20 5 | 4 35 | 7 7 | 1 9 | 21 48 | 1 29 | 21 33 | 0 10 | 15 49 | 0 12 | 9 25 | 13 8 | 23 11 | 23 14 | 16 7 | 18 0 | 3 55 |
| S 10 | 14 29 | 13 48 | 4 24 | 8 43 | 2 37 | 21 15 | 0 39 | 20 12 | 4 34 | 7 9 | 1 9 | 21 48 | 1 29 | 21 33 | 0 10 | 15 48 | 0 12 | 9 25 | 13 8 | 23 11 | 23 15 | 16 5 | 18 0 | 3 56 |
| M11 | 14 9 | 8 29 | 4 57 | 8 48 | 2 52 | 21 7 | 0 36 | 20 19 | 4 34 | 7 12 | 1 9 | 21 48 | 1 29 | 21 34 | 0 10 | 15 48 | 0 12 | 9 25 | 13 9 | 23 11 | 23 15 | 16 4 | 18 0 | 3 56 |
| T 12 | 13 50 | 2 46 | 5 8 | 8 56 | 3 5 | 20 58 | 0 33 | 20 26 | 4 34 | 7 15 | 1 9 | 21 48 | 1 29 | 21 34 | 0 10 | 15 47 | 0 12 | 9 25 | 13 9 | 23 12 | 23 15 | 16 2 | 18 0 | 3 57 |
| W13 | 13 30 | 2n57 | 4 59 | 9 8 | 3 16 | 20 49 | 0 30 | 20 32 | 4 33 | 7 18 | 1 9 | 21 48 | 1 29 | 21 34 | 0 10 | 15 46 | 0 12 | 9 24 | 13 9 | 23 12 | 23 15 | 16 0 | 18 0 | 3 58 |
| T 14 | 13 9 | 8 21 | 4 32 | 9 24 | 3 25 | 20 40 | 0 27 | 20 39 | 4 33 | 7 21 | 1 10 | 21 48 | 1 29 | 21 34 | 0 10 | 15 46 | 0 12 | 9 24 | 13 10 | 23 12 | 23 15 | 15 58 | 18 0 | 3 58 |
| F 15 | 12 49 | 13 10 | 3 51 | 9 43 | 3 31 | 20 29 | 0 24 | 20 45 | 4 32 | 7 24 | 1 10 | 21 48 | 1 29 | 21 35 | 0 10 | 15 45 | 0 12 | 9 24 | 13 10 | 23 12 | 23 15 | 15 56 | 18 0 | 3 59 |
| S 16 | 12 29 | 17 12 | 2 58 | 10 3 | 3 35 | 20 18 | 0 21 | 20 50 | 4 32 | 7 27 | 1 10 | 21 48 | 1 29 | 21 35 | 0 10 | 15 45 | 0 12 | 9 24 | 13 10 | 23 12 | 23 15 | 15 54 | 18 0 | 4 0 |
| S 17 | 12 8 | 20 17 | 1 58 | 10 26 | 3 37 | 20 7 | 0 18 | 20 56 | 4 31 | 7 30 | 1 10 | 21 48 | 1 29 | 21 35 | 0 10 | 15 44 | 0 12 | 9 23 | 13 11 | 23 12 | 23 15 | 15 53 | 18 0 | 4 0 |
| M18 | 11 47 | 22 20 | 0 54 | 10 49 | 3 36 | 19 55 | 0 15 | 21 1 | 4 30 | 7 33 | 1 10 | 21 48 | 1 29 | 21 35 | 0 10 | 15 43 | 0 12 | 9 23 | 13 11 | 23 12 | 23 15 | 15 51 | 18 0 | 4 1 |
| T 19 | 11 26 | 23 17 | 0n12 | 11 12 | 3 32 | 19 42 | 0 12 | 21 6 | 4 29 | 7 36 | 1 10 | 21 48 | 1 29 | 21 36 | 0 10 | 15 43 | 0 12 | 9 23 | 13 11 | 23 12 | 23 15 | 15 49 | 18 0 | 4 2 |
| W20 | 11 4 | 23 8 | 1 15 | 11 35 | 3 27 | 19 29 | 0 9 | 21 11 | 4 28 | 7 39 | 1 10 | 21 48 | 1 30 | 21 36 | 0 10 | 15 42 | 0 12 | 9 23 | 13 12 | 23 12 | 23 16 | 15 47 | 17 59 | 4 2 |
| T 21 | 10 43 | 21 54 | 2 15 | 11 57 | 3 20 | 19 15 | 0 6 | 21 15 | 4 26 | 7 42 | 1 11 | 21 48 | 1 30 | 21 36 | 0 10 | 15 41 | 0 12 | 9 22 | 13 12 | 23 12 | 23 16 | 15 45 | 17 59 | 4 3 |
| F 22 | 10 21 | 19 43 | 3 8 | 12 17 | 3 12 | 19 0 | 0 3 | 21 19 | 4 25 | 7 45 | 1 11 | 21 48 | 1 30 | 21 36 | 0 10 | 15 41 | 0 12 | 9 22 | 13 13 | 23 12 | 23 16 | 15 43 | 17 59 | 4 4 |
| S 23 | 9 59 | 16 43 | 3 53 | 12 37 | 3 2 | 18 45 | 0 0 | 21 23 | 4 24 | 7 48 | 1 11 | 21 48 | 1 30 | 21 36 | 0 10 | 15 40 | 0 12 | 9 22 | 13 13 | 23 13 | 23 16 | 15 41 | 17 59 | 4 4 |
| S 24 | 9 37 | 13 1 | 4 28 | 12 55 | 2 51 | 18 30 | 0s 2 | 21 26 | 4 22 | 7 51 | 1 11 | 21 48 | 1 30 | 21 36 | 0 10 | 15 39 | 0 12 | 9 22 | 13 13 | 23 13 | 23 16 | 15 39 | 17 58 | 4 5 |
| M25 | 9 15 | 8 49 | 4 52 | 13 11 | 2 40 | 18 14 | 0 5 | 21 30 | 4 21 | 7 54 | 1 11 | 21 48 | 1 30 | 21 37 | 0 10 | 15 39 | 0 12 | 9 21 | 13 14 | 23 14 | 23 16 | 15 37 | 17 58 | 4 6 |
| T 26 | 8 53 | 4 15 | 5 2 | 13 25 | 2 28 | 17 57 | 0 8 | 21 32 | 4 19 | 7 57 | 1 11 | 21 48 | 1 30 | 21 37 | 0 10 | 15 38 | 0 12 | 9 21 | 13 14 | 23 14 | 23 16 | 15 36 | 17 58 | 4 6 |
| W27 | 8 30 | 0s30 | 4 59 | 13 37 | 2 16 | 17 40 | 0 11 | 21 35 | 4 18 | 8 0 | 1 11 | 21 48 | 1 30 | 21 37 | 0 10 | 15 37 | 0 12 | 9 21 | 13 14 | 23 14 | 23 16 | 15 34 | 17 58 | 4 7 |
| T 28 | 8 8 | 5 17 | 4 43 | 13 48 | 2 3 | 17 22 | 0 14 | 21 37 | 4 16 | 8 3 | 1 11 | 21 48 | 1 30 | 21 37 | 0 10 | 15 37 | 0 12 | 9 20 | 13 15 | 23 15 | 23 16 | 15 32 | 17 57 | 4 8 |
| F 29 | 7s45 | 9s56 | 4n13 | 13s56 | 1n51 | 17s 4 | 0s17 | 21n40 | 4n14 | 8n 6 | 1n11 | 21s48 | 1n30 | 21s37 | 0n10 | 15s36 | 0n12 | 9s20 | 13n15 | 23n15 | 23n16 | 15n30 | 17s57 | 4n 9 |

Julian Day Number = 2812435.5, Delta T = 53m35s
Ecliptic obliquity = 23°18'40, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°34'20, Lahiri = 37°41'20


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# ASTRODIENST EPHEMERIS for the year 2988
# geocentric

## MARCH 2988 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 39 29 | 11♓ 5'25 | 20♏ 0 | 17♒ 9 | 14♒18 | 10°R 1 | 11°R55 | 28♐37 | 9♐44 | 16♒36 | 15♐24 | 3°R59 | 3♋12 | 29♌56 | 11♐38 | S 1 |
| S 2 | 10 43 26 | 12° 6'01 | 2♐48 | 17°33 | 15°33 | 9♌49 | 11♍47 | 28°41 | 9°44 | 16°38 | 15°24 | 3♋56 | 3° 9 | 0♍ 3 | 11°40 | S 2 |
| M 3 | 10 47 23 | 13° 6'36 | 15°55 | 18° 2 | 16°47 | 9°38 | 11°40 | 28°44 | 9°45 | 16°40 | 15°25 | 3°D56 | 3° 5 | 0° 9 | 11°42 | M 3 |
| T 4 | 10 51 19 | 14° 7'11 | 29°24 | 18°36 | 18° 1 | 9°27 | 11°32 | 28°48 | 9°45 | 16°42 | 15°25 | 3°R56 | 3° 2 | 0°16 | 11°45 | T 4 |
| W 5 | 10 55 16 | 15° 7'44 | 13♑20 | 19°15 | 19°16 | 9°17 | 11°24 | 28°51 | 9°46 | 16°44 | 15°26 | 3°56 | 2°59 | 0°23 | 11°47 | W 5 |
| T 6 | 10 59 12 | 16° 8'16 | 27°41 | 19°58 | 20°30 | 9° 8 | 11°16 | 28°54 | 9°46 | 16°46 | 15°26 | 3°54 | 2°56 | 0°29 | 11°49 | T 6 |
| F 7 | 11 3 9 | 17° 8'46 | 12♒27 | 20°45 | 21°44 | 9° 0 | 11° 8 | 28°58 | 9°47 | 16°48 | 15°27 | 3°50 | 2°53 | 0°36 | 11°51 | F 7 |
| S 8 | 11 7 5 | 18° 9'16 | 27°32 | 21°35 | 22°59 | 8°52 | 11° 0 | 29° 1 | 9°47 | 16°50 | 15°27 | 3°42 | 2°49 | 0°43 | 11°52 | S 8 |
| S 9 | 11 11 2 | 19° 9'43 | 12♓48 | 22°29 | 24°13 | 8°46 | 10°52 | 29° 4 | 9°47 | 16°52 | 15°27 | 3°33 | 2°46 | 0°49 | 11°54 | S 9 |
| M10 | 11 14 58 | 20°10'10 | 28° 3 | 23°26 | 25°28 | 8°40 | 10°45 | 29° 6 | 9°48 | 16°54 | 15°28 | 3°21 | 2°43 | 0°56 | 11°56 | M10 |
| T 11 | 11 18 55 | 21°10'34 | 13♈ 7 | 24°25 | 26°42 | 8°35 | 10°37 | 29° 9 | 9°48 | 16°56 | 15°28 | 3°10 | 2°40 | 1° 3 | 11°57 | T 11 |
| W12 | 11 22 52 | 22°10'57 | 27°50 | 25°27 | 27°56 | 8°30 | 10°29 | 29°12 | 9°48 | 16°58 | 15°28 | 3° 0 | 2°37 | 1°10 | 11°59 | W12 |
| T 13 | 11 26 48 | 23°11'18 | 12♉ 5 | 26°32 | 29°11 | 8°27 | 10°22 | 29°14 | 9°48 | 17° 0 | 15°28 | 2°52 | 2°34 | 1°16 | 12° 0 | T 13 |
| F 14 | 11 30 45 | 24°11'38 | 25°50 | 27°39 | 0♓25 | 8°24 | 10°14 | 29°17 | 9°R48 | 17° 2 | 15°28 | 2°47 | 2°30 | 1°23 | 12° 1 | F 14 |
| S 15 | 11 34 41 | 25°11'55 | 9♊ 5 | 28°48 | 1°40 | 8°22 | 10° 7 | 29°19 | 9°48 | 17° 4 | 15°29 | 2°45 | 2°27 | 1°30 | 12° 2 | S 15 |
| S 16 | 11 38 38 | 26°12'10 | 21°53 | 29°59 | 2°54 | 8°21 | 9°59 | 29°21 | 9°48 | 17° 6 | 15°29 | 2°44 | 2°24 | 1°36 | 12° 3 | S 16 |
| M17 | 11 42 34 | 27°12'24 | 4♋19 | 1♓12 | 4° 8 | 8°D21 | 9°52 | 29°24 | 9°48 | 17° 8 | 15°29 | 2°44 | 2°21 | 1°43 | 12° 4 | M17 |
| T 18 | 11 46 31 | 28°12'35 | 16°29 | 2°26 | 5°23 | 8°21 | 9°45 | 29°26 | 9°48 | 17° 9 | 15°R29 | 2°43 | 2°18 | 1°50 | 12° 4 | T 18 |
| W19 | 11 50 27 | 29°12'45 | 28°27 | 3°43 | 6°37 | 8°22 | 9°38 | 29°28 | 9°47 | 17°11 | 15°29 | 2°41 | 2°15 | 1°57 | 12° 5 | W19 |
| T 20 | 11 54 24 | 0♈12'52 | 10♌19 | 5° 1 | 7°52 | 8°24 | 9°31 | 29°30 | 9°47 | 17°13 | 15°29 | 2°37 | 2°11 | 2° 3 | 12° 5 | T 20 |
| F 21 | 11 58 21 | 1°12'58 | 22° 8 | 6°20 | 9° 6 | 8°26 | 9°24 | 29°31 | 9°47 | 17°15 | 15°28 | 2°29 | 2° 8 | 2°10 | 12° 6 | F 21 |
| S 22 | 12 2 17 | 2°13'01 | 3♍58 | 7°41 | 10°20 | 8°30 | 9°17 | 29°33 | 9°46 | 17°17 | 15°28 | 2°19 | 2° 5 | 2°17 | 12° 6 | S 22 |
| S 23 | 12 6 14 | 3°13'03 | 15°51 | 9° 4 | 11°35 | 8°33 | 9°10 | 29°35 | 9°46 | 17°18 | 15°28 | 2° 6 | 2° 2 | 2°23 | 12° 6 | S 23 |
| M24 | 12 10 10 | 4°13'02 | 27°51 | 10°28 | 12°49 | 8°38 | 9° 3 | 29°36 | 9°45 | 17°20 | 15°28 | 1°52 | 1°59 | 2°30 | 12°R 6 | M24 |
| T 25 | 12 14 7 | 5°13'00 | 9♎57 | 11°53 | 14° 3 | 8°43 | 8°57 | 29°38 | 9°45 | 17°22 | 15°28 | 1°37 | 1°55 | 2°37 | 12° 6 | T 25 |
| W26 | 12 18 3 | 6°12'56 | 22°11 | 13°20 | 15°18 | 8°49 | 8°51 | 29°39 | 9°44 | 17°23 | 15°27 | 1°24 | 1°52 | 2°43 | 12° 6 | W26 |
| T 27 | 12 22 0 | 7°12'50 | 4♏33 | 14°48 | 16°32 | 8°56 | 8°44 | 29°40 | 9°43 | 17°25 | 15°27 | 1°12 | 1°49 | 2°50 | 12° 6 | T 27 |
| F 28 | 12 25 56 | 8°12'42 | 17° 4 | 16°18 | 17°47 | 9° 3 | 8°38 | 29°41 | 9°43 | 17°27 | 15°27 | 1° 3 | 1°46 | 2°57 | 12° 5 | F 28 |
| S 29 | 12 29 53 | 9°12'33 | 29°46 | 17°48 | 19° 1 | 9°11 | 8°32 | 29°42 | 9°42 | 17°28 | 15°26 | 0°57 | 1°43 | 3° 4 | 12° 5 | S 29 |
| S 30 | 12 33 49 | 10°12'22 | 12♐41 | 19°20 | 20°15 | 9°19 | 8°26 | 29°43 | 9°41 | 17°30 | 15°26 | 0°53 | 1°40 | 3°10 | 12° 4 | S 30 |
| M31 | 12 37 46 | 11♈12'10 | 25♐51 | 20♓53 | 21♓30 | 9♌28 | 8♍21 | 29♐44 | 9♐40 | 17♒31 | 15♐26 | 0°D52 | 1♋36 | 3♍17 | 12♐ 3 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7s22 | 14s15 | 3n31 | 14s 3 | 1n38 | 16s46 | 0s19 | 21n41 | 4n12 | 8n 9 | 1n12 | 21s48 | 1n30 | 21s37 | 0n10 | 15s36 | 0n12 | 9s20 | 13n16 | 23n15 | 23n16 | 15n28 | 17s56 | 4n 9 |
| S 2 | 6 59 | 18 2 | 2 38 | 14 8 | 1 26 | 16 26 | 0 22 | 21 43 | 4 10 | 8 12 | 1 12 | 21 48 | 1 30 | 21 37 | 0 10 | 15 35 | 0 12 | 9 19 | 13 16 | 23 15 | 23 16 | 15 26 | 17 56 | 4 10 |
| M 3 | 6 36 | 21 0 | 1 34 | 14 11 | 1 13 | 16 7 | 0 25 | 21 44 | 4 9 | 8 16 | 1 12 | 21 48 | 1 30 | 21 37 | 0 10 | 15 34 | 0 12 | 9 19 | 13 16 | 23 15 | 23 17 | 15 24 | 17 56 | 4 11 |
| T 4 | 6 13 | 22 55 | 0 24 | 14 12 | 1 1 | 15 47 | 0 27 | 21 45 | 4 7 | 8 19 | 1 12 | 21 48 | 1 31 | 21 37 | 0 10 | 15 34 | 0 12 | 9 19 | 13 17 | 23 15 | 23 17 | 15 22 | 17 55 | 4 11 |
| W 5 | 5 50 | 23 28 | 0s50 | 14 12 | 0 49 | 15 26 | 0 30 | 21 46 | 4 5 | 8 22 | 1 12 | 21 48 | 1 31 | 21 38 | 0 10 | 15 33 | 0 12 | 9 18 | 13 17 | 23 15 | 23 17 | 15 20 | 17 55 | 4 12 |
| T 6 | 5 26 | 22 31 | 2 2 | 14 9 | 0 37 | 15 5 | 0 32 | 21 47 | 4 3 | 8 25 | 1 12 | 21 48 | 1 31 | 21 38 | 0 10 | 15 32 | 0 12 | 9 18 | 13 17 | 23 15 | 23 17 | 15 18 | 17 54 | 4 13 |
| F 7 | 5 3 | 20 0 | 3 9 | 14 5 | 0 26 | 14 44 | 0 35 | 21 47 | 4 1 | 8 28 | 1 12 | 21 48 | 1 31 | 21 38 | 0 10 | 15 32 | 0 12 | 9 18 | 13 18 | 23 15 | 23 17 | 15 16 | 17 54 | 4 14 |
| S 8 | 4 40 | 16 5 | 4 4 | 14 0 | 0 15 | 14 22 | 0 37 | 21 47 | 3 59 | 8 31 | 1 12 | 21 48 | 1 31 | 21 38 | 0 10 | 15 31 | 0 12 | 9 17 | 13 18 | 23 16 | 23 17 | 15 14 | 17 53 | 4 14 |
| S 9 | 4 16 | 11 3 | 4 42 | 13 53 | 0 4 | 14 0 | 0 40 | 21 47 | 3 57 | 8 34 | 1 12 | 21 47 | 1 31 | 21 38 | 0 10 | 15 31 | 0 12 | 9 17 | 13 19 | 23 16 | 23 17 | 15 12 | 17 53 | 4 15 |
| M10 | 3 52 | 5 21 | 5 0 | 13 44 | 0s 6 | 13 38 | 0 42 | 21 46 | 3 54 | 8 37 | 1 12 | 21 47 | 1 31 | 21 38 | 0 10 | 15 30 | 0 12 | 9 17 | 13 19 | 23 16 | 23 17 | 15 10 | 17 52 | 4 16 |
| T 11 | 3 29 | 0n36 | 4 56 | 13 34 | 0 16 | 13 15 | 0 45 | 21 45 | 3 52 | 8 40 | 1 12 | 21 47 | 1 31 | 21 38 | 0 10 | 15 29 | 0 12 | 9 16 | 13 19 | 23 16 | 23 17 | 15 9 | 17 52 | 4 16 |
| W12 | 3 5 | 6 23 | 4 34 | 13 23 | 0 26 | 12 52 | 0 47 | 21 44 | 3 50 | 8 43 | 1 12 | 21 47 | 1 31 | 21 38 | 0 10 | 15 29 | 0 12 | 9 16 | 13 20 | 23 17 | 23 17 | 15 7 | 17 51 | 4 17 |
| T 13 | 2 41 | 11 40 | 3 54 | 13 10 | 0 35 | 12 28 | 0 49 | 21 43 | 3 48 | 8 45 | 1 12 | 21 47 | 1 31 | 21 38 | 0 10 | 15 28 | 0 12 | 9 16 | 13 20 | 23 17 | 23 17 | 15 5 | 17 51 | 4 18 |
| F 14 | 2 18 | 16 10 | 3 2 | 12 55 | 0 44 | 12 4 | 0 51 | 21 42 | 3 46 | 8 48 | 1 12 | 21 47 | 1 31 | 21 38 | 0 10 | 15 28 | 0 12 | 9 15 | 13 20 | 23 17 | 23 17 | 15 3 | 17 50 | 4 19 |
| S 15 | 1 54 | 19 41 | 2 2 | 12 39 | 0 53 | 11 40 | 0 53 | 21 40 | 3 44 | 8 51 | 1 12 | 21 47 | 1 32 | 21 38 | 0 10 | 15 27 | 0 12 | 9 15 | 13 21 | 23 17 | 23 17 | 15 1 | 17 50 | 4 19 |
| S 16 | 1 30 | 22 7 | 0 57 | 12 22 | 1 1 | 11 15 | 0 56 | 21 39 | 3 41 | 8 54 | 1 12 | 21 47 | 1 32 | 21 38 | 0 10 | 15 27 | 0 12 | 9 15 | 13 21 | 23 17 | 23 17 | 14 59 | 17 49 | 4 20 |
| M17 | 1 6 | 23 23 | 0n 8 | 12 4 | 1 9 | 10 50 | 0 58 | 21 37 | 3 39 | 8 57 | 1 12 | 21 47 | 1 32 | 21 38 | 0 10 | 15 26 | 0 12 | 9 14 | 13 22 | 23 17 | 23 17 | 14 57 | 17 48 | 4 21 |
| T 18 | 0 43 | 23 30 | 1 12 | 11 44 | 1 16 | 10 25 | 1 0 | 21 34 | 3 37 | 8 59 | 1 12 | 21 47 | 1 32 | 21 38 | 0 10 | 15 26 | 0 12 | 9 14 | 13 22 | 23 17 | 23 17 | 14 55 | 17 48 | 4 22 |
| W19 | 0 19 | 22 30 | 2 12 | 11 23 | 1 23 | 9 59 | 1 2 | 21 32 | 3 35 | 9 2 | 1 12 | 21 47 | 1 32 | 21 38 | 0 10 | 15 25 | 0 12 | 9 13 | 13 22 | 23 17 | 23 18 | 14 53 | 17 47 | 4 22 |
| T 20 | 0n 5 | 20 31 | 3 5 | 11 1 | 1 30 | 9 33 | 1 3 | 21 29 | 3 33 | 9 5 | 1 12 | 21 47 | 1 32 | 21 38 | 0 10 | 15 24 | 0 12 | 9 13 | 13 23 | 23 17 | 23 18 | 14 51 | 17 46 | 4 23 |
| F 21 | 0 29 | 17 40 | 3 49 | 10 38 | 1 36 | 9 7 | 1 5 | 21 27 | 3 31 | 9 7 | 1 12 | 21 47 | 1 32 | 21 38 | 0 10 | 15 24 | 0 12 | 9 13 | 13 23 | 23 17 | 23 18 | 14 49 | 17 46 | 4 24 |
| S 22 | 0 53 | 14 6 | 4 24 | 10 13 | 1 42 | 8 41 | 1 7 | 21 24 | 3 28 | 9 10 | 1 12 | 21 46 | 1 32 | 21 38 | 0 10 | 15 23 | 0 12 | 9 12 | 13 23 | 23 17 | 23 18 | 14 47 | 17 45 | 4 24 |
| S 23 | 1 16 | 9 58 | 4 48 | 9 47 | 1 47 | 8 15 | 1 9 | 21 21 | 3 26 | 9 12 | 1 12 | 21 46 | 1 32 | 21 38 | 0 10 | 15 23 | 0 12 | 9 12 | 13 24 | 23 18 | 23 18 | 14 45 | 17 44 | 4 25 |
| M24 | 1 40 | 5 25 | 4 59 | 9 20 | 1 52 | 7 48 | 1 10 | 21 17 | 3 24 | 9 15 | 1 12 | 21 46 | 1 32 | 21 37 | 0 10 | 15 22 | 0 12 | 9 12 | 13 24 | 23 18 | 23 18 | 14 43 | 17 44 | 4 26 |
| T 25 | 2 4 | 0 38 | 4 56 | 8 52 | 1 57 | 7 21 | 1 12 | 21 14 | 3 22 | 9 17 | 1 12 | 21 46 | 1 32 | 21 37 | 0 10 | 15 22 | 0 12 | 9 11 | 13 25 | 23 18 | 23 18 | 14 41 | 17 43 | 4 27 |
| W26 | 2 27 | 4s15 | 4 40 | 8 23 | 2 1 | 6 54 | 1 13 | 21 10 | 3 20 | 9 20 | 1 12 | 21 46 | 1 33 | 21 37 | 0 10 | 15 21 | 0 12 | 9 11 | 13 25 | 23 18 | 23 18 | 14 39 | 17 42 | 4 27 |
| T 27 | 2 51 | 9 1 | 4 11 | 7 53 | 2 5 | 6 26 | 1 15 | 21 7 | 3 18 | 9 22 | 1 12 | 21 46 | 1 33 | 21 37 | 0 10 | 15 21 | 0 12 | 9 10 | 13 25 | 23 18 | 23 18 | 14 37 | 17 41 | 4 28 |
| F 28 | 3 14 | 13 30 | 3 29 | 7 21 | 2 8 | 5 59 | 1 16 | 21 3 | 3 16 | 9 24 | 1 12 | 21 46 | 1 33 | 21 37 | 0 10 | 15 20 | 0 12 | 9 10 | 13 26 | 23 18 | 23 18 | 14 35 | 17 41 | 4 29 |
| S 29 | 3 38 | 17 27 | 2 36 | 6 49 | 2 11 | 5 31 | 1 18 | 20 59 | 3 14 | 9 26 | 1 12 | 21 46 | 1 33 | 21 37 | 0 10 | 15 20 | 0 12 | 9 10 | 13 26 | 23 18 | 23 18 | 14 32 | 17 40 | 4 29 |
| S 30 | 4 1 | 20 38 | 1 35 | 6 15 | 2 14 | 5 3 | 1 19 | 20 54 | 3 11 | 9 28 | 1 12 | 21 46 | 1 33 | 21 37 | 0 10 | 15 19 | 0 12 | 9 9 | 13 26 | 23 18 | 23 18 | 14 30 | 17 39 | 4 30 |
| M31 | 4n25 | 22s48 | 0n27 | 5s41 | 2s16 | 4s35 | 1s20 | 20n50 | 3n 9 | 9n30 | 1n12 | 21s46 | 1n33 | 21s37 | 0n10 | 15s19 | 0n12 | 9s 9 | 13n27 | 23n19 | 23n18 | 14n28 | 17s38 | 4n31 |

Julian Day Number = 2812464.5, Delta T = 53m35s
Ecliptic obliquity = 23°18'41, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°34'24, Lahiri = 37°41'24


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# ASTRODIENST EPHEMERIS for the year 2988
# geocentric

## APRIL 2988 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 41 43 | 12♈11'56 | 9♉18 | 22♓28 | 22♓44 | 9♌37 | 8°R15 | 29♐45 | 9°R39 | 17♒33 | 15°R25 | 0°R52 | 1♋33 | 3♍24 | 12°R 2 | T 1 |
| W 2 | 12 45 39 | 13°11'40 | 23° 4 | 24° 3 | 23°58 | 9°48 | 8♍10 | 29°45 | 9♐38 | 17°34 | 15♐25 | 0♋52 | 1°30 | 3°30 | 12♐ 2 | W 2 |
| T 3 | 12 49 36 | 14°11'22 | 7♒12 | 25°40 | 25°13 | 9°58 | 8° 4 | 29°46 | 9°37 | 17°36 | 15°24 | 0°51 | 1°27 | 3°37 | 12° 0 | T 3 |
| F 4 | 12 53 32 | 15°11'03 | 21°39 | 27°19 | 26°27 | 10° 9 | 7°59 | 29°46 | 9°36 | 17°37 | 15°24 | 0°46 | 1°24 | 3°44 | 11°59 | F 4 |
| S 5 | 12 57 29 | 16°10'43 | 6♓24 | 28°58 | 27°42 | 10°21 | 7°54 | 29°46 | 9°35 | 17°39 | 15°23 | 0°40 | 1°20 | 3°50 | 11°58 | S 5 |
| S 6 | 13 1 25 | 17°10'20 | 21°20 | 0♈39 | 28°56 | 10°33 | 7°50 | 29°47 | 9°34 | 17°40 | 15°22 | 0°31 | 1°17 | 3°57 | 11°57 | S 6 |
| M 7 | 13 5 22 | 18° 9'55 | 6♈19 | 2°21 | 0♈10 | 10°46 | 7°45 | 29°R47 | 9°33 | 17°41 | 15°22 | 0°20 | 1°14 | 4° 4 | 11°55 | M 7 |
| T 8 | 13 9 18 | 19° 9'29 | 21°12 | 4° 4 | 1°25 | 11° 0 | 7°41 | 29°47 | 9°31 | 17°43 | 15°21 | 0° 9 | 1°11 | 4°11 | 11°54 | T 8 |
| W 9 | 13 13 15 | 20° 9'01 | 5♉49 | 5°49 | 2°39 | 11°13 | 7°36 | 29°47 | 9°30 | 17°44 | 15°20 | 29♊59 | 1° 8 | 4°17 | 11°52 | W 9 |
| T 10 | 13 17 12 | 21° 8'30 | 20° 3 | 7°34 | 3°53 | 11°28 | 7°32 | 29°46 | 9°29 | 17°45 | 15°19 | 29°51 | 1° 5 | 4°24 | 11°50 | T 10 |
| F 11 | 13 21 8 | 22° 7'58 | 3♊51 | 9°22 | 5° 8 | 11°43 | 7°28 | 29°46 | 9°27 | 17°46 | 15°19 | 29°46 | 1° 1 | 4°31 | 11°48 | F 11 |
| S 12 | 13 25 5 | 23° 7'24 | 17°11 | 11°10 | 6°22 | 11°58 | 7°24 | 29°46 | 9°26 | 17°48 | 15°18 | 29°43 | 0°58 | 4°37 | 11°47 | S 12 |
| S 13 | 13 29 1 | 24° 6'47 | 0♋ 5 | 13° 0 | 7°36 | 12°14 | 7°21 | 29°45 | 9°24 | 17°49 | 15°17 | 29°D43 | 0°55 | 4°44 | 11°44 | S 13 |
| M14 | 13 32 58 | 25° 6'08 | 12°36 | 14°51 | 8°51 | 12°30 | 7°17 | 29°45 | 9°23 | 17°50 | 15°16 | 29°43 | 0°52 | 4°51 | 11°42 | M14 |
| T 15 | 13 36 54 | 26° 5'26 | 24°49 | 16°44 | 10° 5 | 12°46 | 7°14 | 29°44 | 9°21 | 17°51 | 15°15 | 29°R43 | 0°49 | 4°58 | 11°40 | T 15 |
| W16 | 13 40 51 | 27° 4'43 | 6♌49 | 18°38 | 11°19 | 13° 3 | 7°11 | 29°43 | 9°20 | 17°52 | 15°14 | 29°43 | 0°46 | 5° 4 | 11°38 | W16 |
| T 17 | 13 44 47 | 28° 3'57 | 18°42 | 20°33 | 12°33 | 13°21 | 7° 8 | 29°42 | 9°18 | 17°53 | 15°13 | 29°41 | 0°42 | 5°11 | 11°35 | T 17 |
| F 18 | 13 48 44 | 29° 3'09 | 0♍32 | 22°30 | 13°48 | 13°39 | 7° 5 | 29°41 | 9°16 | 17°54 | 15°12 | 29°36 | 0°39 | 5°18 | 11°33 | F 18 |
| S 19 | 13 52 41 | 0♉ 2'18 | 12°24 | 24°28 | 15° 2 | 13°57 | 7° 3 | 29°40 | 9°15 | 17°55 | 15°11 | 29°29 | 0°36 | 5°24 | 11°30 | S 19 |
| S 20 | 13 56 37 | 1° 1'26 | 24°21 | 26°27 | 16°16 | 14°15 | 7° 1 | 29°39 | 9°13 | 17°56 | 15°10 | 29°20 | 0°33 | 5°31 | 11°28 | S 20 |
| M21 | 14 0 34 | 2° 0'31 | 6♎26 | 28°27 | 17°30 | 14°34 | 6°58 | 29°38 | 9°11 | 17°57 | 15° 9 | 29° 9 | 0°30 | 5°38 | 11°25 | M21 |
| T 22 | 14 4 30 | 2°59'34 | 18°42 | 0♉29 | 18°44 | 14°54 | 6°56 | 29°36 | 9° 9 | 17°58 | 15° 8 | 28°59 | 0°26 | 5°45 | 11°22 | T 22 |
| W23 | 14 8 27 | 3°58'35 | 1♏ 9 | 2°32 | 19°59 | 15°14 | 6°55 | 29°35 | 9° 7 | 17°59 | 15° 7 | 28°49 | 0°23 | 5°51 | 11°19 | W23 |
| T 24 | 14 12 23 | 4°57'34 | 13°47 | 4°35 | 21°13 | 15°34 | 6°53 | 29°33 | 9° 5 | 18° 0 | 15° 6 | 28°40 | 0°20 | 5°58 | 11°16 | T 24 |
| F 25 | 14 16 20 | 5°56'31 | 26°36 | 6°40 | 22°27 | 15°54 | 6°52 | 29°31 | 9° 4 | 18° 1 | 15° 5 | 28°33 | 0°17 | 6° 5 | 11°13 | F 25 |
| S 26 | 14 20 16 | 6°55'27 | 9♐37 | 8°45 | 23°41 | 16°15 | 6°50 | 29°30 | 9° 2 | 18° 1 | 15° 4 | 28°29 | 0°14 | 6°11 | 11°10 | S 26 |
| S 27 | 14 24 13 | 7°54'21 | 22°50 | 10°51 | 24°55 | 16°36 | 6°49 | 29°28 | 9° 0 | 18° 2 | 15° 2 | 28°D28 | 0°11 | 6°18 | 11° 7 | S 27 |
| M28 | 14 28 10 | 8°53'12 | 6♉14 | 12°58 | 26°10 | 16°57 | 6°49 | 29°26 | 8°58 | 18° 3 | 15° 1 | 28°28 | 0° 7 | 6°25 | 11° 3 | M28 |
| T 29 | 14 32 6 | 9°52'03 | 19°51 | 15° 4 | 27°24 | 17°19 | 6°48 | 29°24 | 8°55 | 18° 4 | 15° 0 | 28°29 | 0° 4 | 6°31 | 11° 0 | T 29 |
| W30 | 14 36 3 | 10♉50'51 | 3♒40 | 17♉10 | 28♈38 | 17♌41 | 6♍47 | 29♐22 | 8♐53 | 18♒ 4 | 14♐59 | 28♊30 | 0♋ 1 | 6♍38 | 10♐57 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4n48 | 23 s44 | 0 s44 | 5 s 5 | 2 s18 | 4 s 7 | 1 s21 | 20n45 | 3n 7 | 9n32 | 1n12 | 21 s46 | 1n33 | 21 s37 | 0n10 | 15 s19 | 0n12 | 9 s 8 | 13n27 | 23n19 | 23n18 | 14n26 | 17 s37 | 4n32 |
| W 2 | 5 11 | 23 14 | 1 55 | 4 29 | 2 19 | 3 38 | 1 22 | 20 41 | 3 5 | 9 34 | 1 12 | 21 45 | 1 33 | 21 36 | 0 10 | 15 18 | 0 12 | 9 8 | 13 27 | 23 19 | 23 18 | 14 24 | 17 37 | 4 32 |
| T 3 | 5 34 | 21 16 | 3 0 | 3 51 | 2 20 | 3 10 | 1 23 | 20 36 | 3 3 | 9 36 | 1 12 | 21 45 | 1 33 | 21 36 | 0 10 | 15 18 | 0 12 | 9 8 | 13 28 | 23 19 | 23 18 | 14 22 | 17 36 | 4 33 |
| F 4 | 5 57 | 17 55 | 3 55 | 3 13 | 2 20 | 2 42 | 1 24 | 20 31 | 3 1 | 9 38 | 1 11 | 21 45 | 1 33 | 21 36 | 0 10 | 15 17 | 0 12 | 9 7 | 13 28 | 23 19 | 23 18 | 14 20 | 17 35 | 4 34 |
| S 5 | 6 20 | 13 23 | 4 35 | 2 33 | 2 20 | 2 13 | 1 25 | 20 26 | 2 59 | 9 40 | 1 11 | 21 45 | 1 34 | 21 36 | 0 10 | 15 17 | 0 12 | 9 7 | 13 28 | 23 19 | 23 18 | 14 18 | 17 34 | 4 34 |
| S 6 | 6 43 | 7 59 | 4 58 | 1 53 | 2 20 | 1 44 | 1 26 | 20 20 | 2 57 | 9 42 | 1 11 | 21 45 | 1 34 | 21 36 | 0 10 | 15 16 | 0 12 | 9 7 | 13 29 | 23 19 | 23 18 | 14 16 | 17 33 | 4 35 |
| M 7 | 7 5 | 2 6 | 5 0 | 1 12 | 2 19 | 1 16 | 1 27 | 20 15 | 2 55 | 9 43 | 1 11 | 21 45 | 1 34 | 21 36 | 0 10 | 15 16 | 0 12 | 9 6 | 13 29 | 23 19 | 23 18 | 14 14 | 17 32 | 4 36 |
| T 8 | 7 28 | 3n52 | 4 42 | 0 29 | 2 17 | 0 47 | 1 27 | 20 9 | 2 53 | 9 45 | 1 11 | 21 45 | 1 34 | 21 35 | 0 10 | 15 16 | 0 12 | 9 6 | 13 29 | 23 19 | 23 18 | 14 12 | 17 32 | 4 37 |
| W 9 | 7 50 | 9 32 | 4 5 | 0n14 | 2 15 | 0 18 | 1 28 | 20 4 | 2 51 | 9 46 | 1 11 | 21 45 | 1 34 | 21 35 | 0 10 | 15 15 | 0 11 | 9 5 | 13 30 | 23 19 | 23 18 | 14 10 | 17 31 | 4 37 |
| T 10 | 8 12 | 14 33 | 3 14 | 0 57 | 2 13 | 0n11 | 1 28 | 19 58 | 2 49 | 9 48 | 1 11 | 21 45 | 1 34 | 21 35 | 0 10 | 15 15 | 0 11 | 9 5 | 13 30 | 23 19 | 23 18 | 14 8 | 17 30 | 4 38 |
| F 11 | 8 34 | 18 38 | 2 13 | 1 42 | 2 10 | 0 40 | 1 29 | 19 52 | 2 48 | 9 49 | 1 11 | 21 45 | 1 34 | 21 35 | 0 10 | 15 14 | 0 11 | 9 5 | 13 30 | 23 19 | 23 18 | 14 6 | 17 29 | 4 39 |
| S 12 | 8 56 | 21 36 | 1 6 | 2 27 | 2 6 | 1 9 | 1 29 | 19 46 | 2 46 | 9 50 | 1 11 | 21 45 | 1 34 | 21 35 | 0 10 | 15 14 | 0 11 | 9 4 | 13 31 | 23 19 | 23 18 | 14 3 | 17 28 | 4 39 |
| S 13 | 9 18 | 23 21 | 0n 2 | 3 13 | 2 3 | 1 38 | 1 30 | 19 40 | 2 44 | 9 52 | 1 11 | 21 44 | 1 34 | 21 34 | 0 10 | 15 14 | 0 11 | 9 4 | 13 31 | 23 19 | 23 18 | 14 1 | 17 27 | 4 40 |
| M14 | 9 40 | 23 51 | 1 8 | 4 0 | 1 58 | 2 6 | 1 30 | 19 33 | 2 42 | 9 53 | 1 11 | 21 44 | 1 34 | 21 34 | 0 10 | 15 13 | 0 11 | 9 3 | 13 31 | 23 19 | 23 19 | 13 59 | 17 26 | 4 41 |
| T 15 | 10 1 | 23 11 | 2 10 | 4 48 | 1 53 | 2 35 | 1 30 | 19 27 | 2 40 | 9 54 | 1 10 | 21 44 | 1 34 | 21 34 | 0 10 | 15 13 | 0 11 | 9 3 | 13 31 | 23 19 | 23 19 | 13 57 | 17 25 | 4 41 |
| W16 | 10 23 | 21 27 | 3 4 | 5 36 | 1 48 | 3 4 | 1 30 | 19 20 | 2 38 | 9 55 | 1 10 | 21 44 | 1 35 | 21 34 | 0 10 | 15 13 | 0 11 | 9 3 | 13 32 | 23 19 | 23 19 | 13 55 | 17 24 | 4 42 |
| T 17 | 10 44 | 18 47 | 3 50 | 6 25 | 1 42 | 3 33 | 1 30 | 19 14 | 2 37 | 9 56 | 1 10 | 21 44 | 1 35 | 21 33 | 0 10 | 15 12 | 0 11 | 9 2 | 13 32 | 23 19 | 23 19 | 13 53 | 17 23 | 4 43 |
| F 18 | 11 5 | 15 23 | 4 26 | 7 14 | 1 36 | 4 1 | 1 30 | 19 7 | 2 35 | 9 57 | 1 10 | 21 44 | 1 35 | 21 33 | 0 10 | 15 12 | 0 11 | 9 2 | 13 32 | 23 19 | 23 19 | 13 51 | 17 22 | 4 43 |
| S 19 | 11 26 | 11 21 | 4 51 | 8 3 | 1 29 | 4 30 | 1 30 | 19 0 | 2 33 | 9 58 | 1 10 | 21 44 | 1 35 | 21 33 | 0 10 | 15 12 | 0 11 | 9 2 | 13 33 | 23 19 | 23 19 | 13 49 | 17 21 | 4 44 |
| S 20 | 11 46 | 6 52 | 5 3 | 8 53 | 1 21 | 4 59 | 1 30 | 18 53 | 2 31 | 9 58 | 1 10 | 21 44 | 1 35 | 21 33 | 0 10 | 15 11 | 0 11 | 9 1 | 13 33 | 23 19 | 23 19 | 13 47 | 17 20 | 4 44 |
| M21 | 12 6 | 2 5 | 5 2 | 9 43 | 1 14 | 5 27 | 1 30 | 18 45 | 2 30 | 9 59 | 1 10 | 21 44 | 1 35 | 21 32 | 0 10 | 15 11 | 0 11 | 9 1 | 13 33 | 23 19 | 23 19 | 13 44 | 17 19 | 4 45 |
| T 22 | 12 27 | 2 s52 | 4 47 | 10 34 | 1 5 | 5 55 | 1 30 | 18 38 | 2 28 | 10 0 | 1 10 | 21 44 | 1 35 | 21 32 | 0 10 | 15 11 | 0 11 | 9 1 | 13 33 | 23 18 | 23 19 | 13 42 | 17 18 | 4 46 |
| W23 | 12 47 | 7 47 | 4 18 | 11 24 | 0 57 | 6 23 | 1 29 | 18 31 | 2 26 | 10 0 | 1 9 | 21 44 | 1 35 | 21 32 | 0 10 | 15 11 | 0 11 | 9 0 | 13 34 | 23 18 | 23 19 | 13 40 | 17 17 | 4 46 |
| T 24 | 13 6 | 12 27 | 3 36 | 12 14 | 0 47 | 6 51 | 1 29 | 18 23 | 2 25 | 10 1 | 1 9 | 21 44 | 1 35 | 21 32 | 0 10 | 15 10 | 0 11 | 9 0 | 13 34 | 23 18 | 23 19 | 13 38 | 17 16 | 4 47 |
| F 25 | 13 26 | 16 40 | 2 42 | 13 4 | 0 38 | 7 19 | 1 28 | 18 16 | 2 23 | 10 1 | 1 9 | 21 43 | 1 35 | 21 31 | 0 10 | 15 10 | 0 11 | 8 59 | 13 34 | 23 18 | 23 19 | 13 36 | 17 15 | 4 47 |
| S 26 | 13 45 | 20 8 | 1 39 | 13 54 | 0 28 | 7 47 | 1 28 | 18 8 | 2 21 | 10 1 | 1 9 | 21 43 | 1 35 | 21 31 | 0 10 | 15 10 | 0 11 | 8 59 | 13 34 | 23 18 | 23 19 | 13 34 | 17 14 | 4 48 |
| S 27 | 14 4 | 22 37 | 0 30 | 14 43 | 0 18 | 8 15 | 1 27 | 18 0 | 2 20 | 10 2 | 1 9 | 21 43 | 1 35 | 21 31 | 0 10 | 15 10 | 0 11 | 8 59 | 13 34 | 23 18 | 23 19 | 13 32 | 17 13 | 4 49 |
| M28 | 14 23 | 23 52 | 0 s42 | 15 32 | 0 7 | 8 42 | 1 27 | 17 52 | 2 18 | 10 2 | 1 9 | 21 43 | 1 35 | 21 30 | 0 10 | 15 10 | 0 11 | 8 58 | 13 35 | 23 18 | 23 19 | 13 29 | 17 12 | 4 49 |
| T 29 | 14 42 | 23 43 | 1 53 | 16 19 | 0n 3 | 9 9 | 1 26 | 17 44 | 2 16 | 10 2 | 1 9 | 21 43 | 1 35 | 21 30 | 0 10 | 15 9 | 0 11 | 8 58 | 13 35 | 23 18 | 23 19 | 13 27 | 17 11 | 4 50 |
| W30 | 15n 0 | 22 s 7 | 2 s58 | 17n 6 | 0n14 | 9n36 | 1 s25 | 17n35 | 2n15 | 10n 2 | 1n 9 | 21 s43 | 1n36 | 21 s30 | 0n10 | 15 s 9 | 0n11 | 8 s58 | 13n35 | 23n18 | 23n19 | 13n25 | 17 s10 | 4n50 |

Julian Day Number = 2812495.5, Delta T = 53m36s
Ecliptic obliquity = 23°18'41, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°34'28, Lahiri = 37°41'28


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# ASTRODIENST EPHEMERIS for the year 2988
# geocentric

## MAY 2988 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 39 59 | 11♉49'38 | 17♒43 | 19♉16 | 29♈52 | 18♌ 3 | 6°R47 | 29°R20 | 8°R51 | 18♒ 5 | 14°R57 | 28°R30 | 29♊58 | 6♍45 | 10°R53 | T 1 |
| F 2 | 14 43 56 | 12°48'23 | 1♓58 | 21°21 | 1♉ 6 | 18°26 | 6°D47 | 29♐17 | 8♐49 | 18° 6 | 14♐56 | 28♊28 | 29°55 | 6°52 | 10♐49 | F 2 |
| S 3 | 14 47 52 | 13°47'07 | 16°23 | 23°25 | 2°20 | 18°49 | 6♍47 | 29°15 | 8°47 | 18° 6 | 14°55 | 28°25 | 29°52 | 6°58 | 10°46 | S 3 |
| S 4 | 14 51 49 | 14°45'49 | 0♈54 | 25°28 | 3°34 | 19°12 | 6°47 | 29°12 | 8°45 | 18° 7 | 14°53 | 28°20 | 29°48 | 7° 5 | 10°42 | S 4 |
| M 5 | 14 55 45 | 15°44'29 | 15°27 | 27°28 | 4°49 | 19°35 | 6°48 | 29°10 | 8°42 | 18° 7 | 14°52 | 28°13 | 29°45 | 7°12 | 10°38 | M 5 |
| T 6 | 14 59 42 | 16°43'07 | 29°54 | 29°27 | 6° 3 | 19°59 | 6°49 | 29° 7 | 8°40 | 18° 8 | 14°51 | 28° 7 | 29°42 | 7°18 | 10°35 | T 6 |
| W 7 | 15 3 39 | 17°41'44 | 14♉10 | 1♊24 | 7°17 | 20°23 | 6°49 | 29° 5 | 8°38 | 18° 8 | 14°49 | 28° 0 | 29°39 | 7°25 | 10°31 | W 7 |
| T 8 | 15 7 35 | 18°40'19 | 28° 9 | 3°18 | 8°31 | 20°47 | 6°50 | 29° 2 | 8°36 | 18° 8 | 14°48 | 27°56 | 29°36 | 7°32 | 10°27 | T 8 |
| F 9 | 15 11 32 | 19°38'52 | 11♊47 | 5° 8 | 9°45 | 21°12 | 6°52 | 28°59 | 8°33 | 18° 9 | 14°46 | 27°53 | 29°32 | 7°39 | 10°23 | F 9 |
| S 10 | 15 15 28 | 20°37'23 | 25° 2 | 6°56 | 10°59 | 21°37 | 6°53 | 28°56 | 8°31 | 18° 9 | 14°45 | 27°D52 | 29°29 | 7°45 | 10°19 | S 10 |
| S 11 | 15 19 25 | 21°35'53 | 7♋55 | 8°40 | 12°13 | 22° 2 | 6°55 | 28°53 | 8°29 | 18° 9 | 14°43 | 27°52 | 29°26 | 7°52 | 10°15 | S 11 |
| M12 | 15 23 21 | 22°34'20 | 20°28 | 10°21 | 13°27 | 22°27 | 6°56 | 28°50 | 8°26 | 18°10 | 14°42 | 27°53 | 29°23 | 7°59 | 10°11 | M12 |
| T 13 | 15 27 18 | 23°32'45 | 2♌44 | 11°58 | 14°41 | 22°53 | 6°58 | 28°47 | 8°24 | 18°10 | 14°40 | 27°55 | 29°20 | 8° 5 | 10° 6 | T 13 |
| W14 | 15 31 14 | 24°31'08 | 14°47 | 13°31 | 15°55 | 23°18 | 7° 0 | 28°43 | 8°21 | 18°10 | 14°39 | 27°56 | 29°17 | 8°12 | 10° 2 | W14 |
| T 15 | 15 35 11 | 25°29'29 | 26°42 | 15° 0 | 17° 9 | 23°44 | 7° 3 | 28°40 | 8°19 | 18°10 | 14°37 | 27°R57 | 29°13 | 8°19 | 9°58 | T 15 |
| F 16 | 15 39 8 | 26°27'48 | 8♍34 | 16°24 | 18°23 | 24°10 | 7° 5 | 28°37 | 8°16 | 18°10 | 14°36 | 27°56 | 29°10 | 8°26 | 9°54 | F 16 |
| S 17 | 15 43 4 | 27°26'04 | 20°28 | 17°45 | 19°37 | 24°37 | 7° 8 | 28°33 | 8°14 | 18°10 | 14°34 | 27°54 | 29° 7 | 8°32 | 9°50 | S 17 |
| S 18 | 15 47 1 | 28°24'19 | 2♎28 | 19° 1 | 20°51 | 25° 3 | 7°11 | 28°30 | 8°12 | 18°10 | 14°33 | 27°50 | 29° 4 | 8°39 | 9°45 | S 18 |
| M19 | 15 50 57 | 29°22'32 | 14°38 | 20°13 | 22° 5 | 25°30 | 7°14 | 28°26 | 8° 9 | 18°R11 | 14°31 | 27°46 | 29° 1 | 8°46 | 9°41 | M19 |
| T 20 | 15 54 54 | 0♊20'43 | 27° 1 | 21°20 | 23°19 | 25°57 | 7°17 | 28°23 | 8° 7 | 18°11 | 14°29 | 27°42 | 28°58 | 8°52 | 9°37 | T 20 |
| W21 | 15 58 50 | 1°18'52 | 9♏38 | 22°22 | 24°33 | 26°24 | 7°20 | 28°19 | 8° 4 | 18°10 | 14°28 | 27°37 | 28°54 | 8°59 | 9°32 | W21 |
| T 22 | 16 2 47 | 2°17'00 | 22°32 | 23°20 | 25°47 | 26°52 | 7°24 | 28°15 | 8° 2 | 18°10 | 14°26 | 27°34 | 28°51 | 9° 6 | 9°28 | T 22 |
| F 23 | 16 6 43 | 3°15'06 | 5♐41 | 24°13 | 27° 1 | 27°19 | 7°27 | 28°11 | 7°59 | 18°10 | 14°25 | 27°31 | 28°48 | 9°13 | 9°23 | F 23 |
| S 24 | 16 10 40 | 4°13'10 | 19° 5 | 25° 2 | 28°15 | 27°47 | 7°31 | 28° 8 | 7°57 | 18°10 | 14°23 | 27°30 | 28°45 | 9°19 | 9°19 | S 24 |
| S 25 | 16 14 37 | 5°11'13 | 2♑42 | 25°45 | 29°29 | 28°15 | 7°35 | 28° 4 | 7°54 | 18°10 | 14°21 | 27°D30 | 28°42 | 9°26 | 9°14 | S 25 |
| M26 | 16 18 33 | 6° 9'15 | 16°30 | 26°24 | 0♊42 | 28°43 | 7°39 | 28° 0 | 7°52 | 18°10 | 14°20 | 27°30 | 28°38 | 9°33 | 9°10 | M26 |
| T 27 | 16 22 30 | 7° 7'15 | 0♒28 | 26°57 | 1°56 | 29°11 | 7°44 | 27°56 | 7°49 | 18°10 | 14°18 | 27°32 | 28°35 | 9°39 | 9° 6 | T 27 |
| W28 | 16 26 26 | 8° 5'13 | 14°33 | 27°26 | 3°10 | 29°40 | 7°48 | 27°52 | 7°46 | 18° 9 | 14°16 | 27°33 | 28°32 | 9°46 | 9° 1 | W28 |
| T 29 | 16 30 23 | 9° 3'11 | 28°43 | 27°50 | 4°24 | 0♍ 8 | 7°53 | 27°48 | 7°44 | 18° 9 | 14°15 | 27°34 | 28°29 | 9°53 | 8°57 | T 29 |
| F 30 | 16 34 19 | 10° 1'07 | 12♓56 | 28° 8 | 5°38 | 0°37 | 7°58 | 27°44 | 7°41 | 18° 9 | 14°13 | 27°R34 | 28°26 | 10° 0 | 8°52 | F 30 |
| S 31 | 16 38 16 | 10♊59'02 | 27♓10 | 28♊22 | 6♊52 | 1♍ 6 | 8♍ 3 | 27♐39 | 7♐39 | 18♒ 8 | 14♐12 | 27♊34 | 28♊23 | 10♍ 6 | 8♐48 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 15n18 | 19s 9 | 3s54 | 17n51 | 0n25 | 10n 3 | 1s24 | 17n27 | 2n13 | 10n 2 | 1n 8 | 21s43 | 1n36 | 21s29 | 0n10 | 15s 9 | 0n11 | 8s57 | 13n35 | 23n18 | 23n19 | 13n23 | 17s 9 | 4n51 | T 1 |
| F 2 | 15 36 | 15 1 | 4 36 | 18 35 | 0 36 | 10 29 | 1 23 | 17 19 | 2 12 | 10 2 | 1 8 | 21 43 | 1 36 | 21 29 | 0 10 | 15 9 | 0 11 | 8 57 | 13 35 | 23 18 | 23 19 | 13 21 | 17 8 | 4 51 | F 2 |
| S 3 | 15 54 | 9 59 | 5 2 | 19 17 | 0 47 | 10 56 | 1 22 | 17 10 | 2 10 | 10 2 | 1 8 | 21 43 | 1 36 | 21 29 | 0 10 | 15 9 | 0 11 | 8 57 | 13 36 | 23 18 | 23 19 | 13 19 | 17 7 | 4 52 | S 3 |
| S 4 | 16 11 | 4 22 | 5 8 | 19 57 | 0 57 | 11 22 | 1 21 | 17 1 | 2 9 | 10 2 | 1 8 | 21 43 | 1 36 | 21 28 | 0 10 | 15 8 | 0 11 | 8 57 | 13 36 | 23 18 | 23 19 | 13 16 | 17 6 | 4 52 | S 4 |
| M 5 | 16 28 | 1n31 | 4 55 | 20 35 | 1 8 | 11 48 | 1 20 | 16 53 | 2 7 | 10 1 | 1 8 | 21 43 | 1 36 | 21 28 | 0 10 | 15 8 | 0 11 | 8 56 | 13 36 | 23 18 | 23 19 | 13 14 | 17 5 | 4 53 | M 5 |
| T 6 | 16 45 | 7 16 | 4 23 | 21 12 | 1 18 | 12 13 | 1 19 | 16 44 | 2 6 | 10 1 | 1 8 | 21 43 | 1 36 | 21 28 | 0 10 | 15 8 | 0 11 | 8 56 | 13 36 | 23 18 | 23 19 | 13 12 | 17 4 | 4 54 | T 6 |
| W 7 | 17 1 | 12 35 | 3 35 | 21 45 | 1 27 | 12 38 | 1 18 | 16 35 | 2 4 | 10 0 | 1 8 | 21 43 | 1 36 | 21 27 | 0 10 | 15 8 | 0 11 | 8 56 | 13 36 | 23 18 | 23 19 | 13 10 | 17 3 | 4 54 | W 7 |
| T 8 | 17 17 | 17 8 | 2 34 | 22 17 | 1 37 | 13 3 | 1 17 | 16 26 | 2 3 | 10 0 | 1 7 | 21 42 | 1 36 | 21 27 | 0 10 | 15 8 | 0 11 | 8 55 | 13 36 | 23 18 | 23 19 | 13 8 | 17 2 | 4 54 | T 8 |
| F 9 | 17 33 | 20 39 | 1 26 | 22 46 | 1 46 | 13 28 | 1 15 | 16 16 | 2 1 | 9 59 | 1 7 | 21 42 | 1 36 | 21 27 | 0 10 | 15 8 | 0 11 | 8 55 | 13 37 | 23 18 | 23 19 | 13 5 | 17 1 | 4 55 | F 9 |
| S 10 | 17 49 | 22 58 | 0 15 | 23 13 | 1 54 | 13 52 | 1 14 | 16 7 | 2 0 | 9 59 | 1 7 | 21 42 | 1 36 | 21 26 | 0 10 | 15 8 | 0 11 | 8 55 | 13 37 | 23 18 | 23 19 | 13 3 | 17 0 | 4 55 | S 10 |
| S 11 | 18 4 | 23 59 | 0n55 | 23 37 | 2 1 | 14 16 | 1 13 | 15 58 | 1 58 | 9 58 | 1 7 | 21 42 | 1 36 | 21 26 | 0 10 | 15 8 | 0 11 | 8 55 | 13 37 | 23 18 | 23 19 | 13 1 | 16 59 | 4 56 | S 11 |
| M12 | 18 19 | 23 44 | 2 0 | 23 59 | 2 8 | 14 40 | 1 11 | 15 48 | 1 57 | 9 57 | 1 7 | 21 42 | 1 36 | 21 26 | 0 10 | 15 8 | 0 11 | 8 54 | 13 37 | 23 18 | 23 19 | 12 59 | 16 58 | 4 56 | M12 |
| T 13 | 18 34 | 22 21 | 2 59 | 24 19 | 2 14 | 15 3 | 1 10 | 15 38 | 1 56 | 9 56 | 1 7 | 21 42 | 1 36 | 21 25 | 0 10 | 15 7 | 0 11 | 8 54 | 13 37 | 23 18 | 23 19 | 12 56 | 16 57 | 4 57 | T 13 |
| W14 | 18 48 | 19 57 | 3 48 | 24 36 | 2 19 | 15 26 | 1 8 | 15 29 | 1 54 | 9 55 | 1 7 | 21 42 | 1 36 | 21 25 | 0 10 | 15 7 | 0 11 | 8 54 | 13 37 | 23 18 | 23 19 | 12 54 | 16 56 | 4 57 | W14 |
| T 15 | 19 2 | 16 44 | 4 27 | 24 51 | 2 23 | 15 48 | 1 7 | 15 19 | 1 53 | 9 54 | 1 6 | 21 42 | 1 36 | 21 25 | 0 10 | 15 7 | 0 11 | 8 54 | 13 37 | 23 18 | 23 19 | 12 52 | 16 55 | 4 58 | T 15 |
| F 16 | 19 16 | 12 52 | 4 55 | 25 3 | 2 27 | 16 10 | 1 5 | 15 9 | 1 52 | 9 53 | 1 6 | 21 42 | 1 36 | 21 24 | 0 10 | 15 7 | 0 11 | 8 53 | 13 37 | 23 18 | 23 19 | 12 50 | 16 54 | 4 58 | F 16 |
| S 17 | 19 29 | 8 30 | 5 10 | 25 14 | 2 29 | 16 32 | 1 3 | 14 59 | 1 50 | 9 52 | 1 6 | 21 42 | 1 36 | 21 24 | 0 10 | 15 7 | 0 11 | 8 53 | 13 37 | 23 18 | 23 18 | 12 48 | 16 53 | 4 58 | S 17 |
| S 18 | 19 42 | 3 47 | 5 11 | 25 22 | 2 31 | 16 53 | 1 2 | 14 49 | 1 49 | 9 51 | 1 6 | 21 42 | 1 36 | 21 23 | 0 10 | 15 7 | 0 11 | 8 53 | 13 37 | 23 18 | 23 18 | 12 45 | 16 52 | 4 59 | S 18 |
| M19 | 19 55 | 1s 8 | 4 59 | 25 28 | 2 31 | 17 14 | 1 0 | 14 38 | 1 48 | 9 50 | 1 6 | 21 42 | 1 36 | 21 23 | 0 10 | 15 7 | 0 11 | 8 53 | 13 37 | 23 18 | 23 18 | 12 43 | 16 51 | 4 59 | M19 |
| T 20 | 20 7 | 6 6 | 4 33 | 25 32 | 2 31 | 17 34 | 0 58 | 14 28 | 1 46 | 9 49 | 1 6 | 21 42 | 1 36 | 21 23 | 0 10 | 15 7 | 0 11 | 8 52 | 13 37 | 23 17 | 23 18 | 12 41 | 16 50 | 5 0 | T 20 |
| W21 | 20 19 | 10 56 | 3 53 | 25 35 | 2 30 | 17 54 | 0 56 | 14 18 | 1 45 | 9 47 | 1 6 | 21 42 | 1 36 | 21 22 | 0 10 | 15 7 | 0 11 | 8 52 | 13 38 | 23 17 | 23 18 | 12 39 | 16 49 | 5 0 | W21 |
| T 22 | 20 30 | 15 24 | 3 0 | 25 36 | 2 27 | 18 13 | 0 54 | 14 7 | 1 44 | 9 46 | 1 5 | 21 42 | 1 36 | 21 22 | 0 10 | 15 7 | 0 11 | 8 52 | 13 38 | 23 17 | 23 18 | 12 36 | 16 48 | 5 0 | T 22 |
| F 23 | 20 42 | 19 13 | 1 57 | 25 35 | 2 24 | 18 32 | 0 52 | 13 57 | 1 42 | 9 44 | 1 5 | 21 42 | 1 36 | 21 21 | 0 10 | 15 7 | 0 11 | 8 52 | 13 38 | 23 17 | 23 18 | 12 34 | 16 47 | 5 1 | F 23 |
| S 24 | 20 53 | 22 6 | 0 46 | 25 32 | 2 19 | 18 51 | 0 50 | 13 46 | 1 41 | 9 43 | 1 5 | 21 41 | 1 36 | 21 21 | 0 10 | 15 7 | 0 11 | 8 52 | 13 38 | 23 17 | 23 18 | 12 32 | 16 46 | 5 1 | S 24 |
| S 25 | 21 3 | 23 46 | 0s29 | 25 28 | 2 14 | 19 9 | 0 48 | 13 35 | 1 40 | 9 41 | 1 5 | 21 41 | 1 36 | 21 21 | 0 10 | 15 7 | 0 11 | 8 51 | 13 38 | 23 17 | 23 18 | 12 30 | 16 45 | 5 1 | S 25 |
| M26 | 21 13 | 24 0 | 1 43 | 25 23 | 2 7 | 19 26 | 0 46 | 13 24 | 1 39 | 9 39 | 1 5 | 21 41 | 1 36 | 21 20 | 0 10 | 15 8 | 0 11 | 8 51 | 13 38 | 23 17 | 23 18 | 12 27 | 16 44 | 5 2 | M26 |
| T 27 | 21 23 | 22 44 | 2 52 | 25 16 | 1 59 | 19 43 | 0 44 | 13 13 | 1 37 | 9 38 | 1 5 | 21 41 | 1 36 | 21 20 | 0 10 | 15 8 | 0 11 | 8 51 | 13 38 | 23 17 | 23 18 | 12 25 | 16 43 | 5 2 | T 27 |
| W28 | 21 32 | 20 4 | 3 51 | 25 8 | 1 51 | 19 59 | 0 42 | 13 2 | 1 36 | 9 36 | 1 5 | 21 41 | 1 36 | 21 19 | 0 10 | 15 8 | 0 11 | 8 51 | 13 38 | 23 17 | 23 18 | 12 23 | 16 42 | 5 2 | W28 |
| T 29 | 21 41 | 16 11 | 4 36 | 24 58 | 1 41 | 20 15 | 0 40 | 12 51 | 1 35 | 9 34 | 1 5 | 21 41 | 1 36 | 21 19 | 0 10 | 15 8 | 0 11 | 8 51 | 13 38 | 23 17 | 23 18 | 12 20 | 16 41 | 5 2 | T 29 |
| F 30 | 21 50 | 11 22 | 5 5 | 24 48 | 1 30 | 20 31 | 0 38 | 12 40 | 1 34 | 9 32 | 1 4 | 21 41 | 1 36 | 21 19 | 0 10 | 15 8 | 0 11 | 8 51 | 13 38 | 23 17 | 23 18 | 12 18 | 16 41 | 5 3 | F 30 |
| S 31 | 21n58 | 5s57 | 5s15 | 24n36 | 1n18 | 20n45 | 0s36 | 12n28 | 1n33 | 9n30 | 1n 4 | 21s41 | 1n36 | 21s18 | 0n10 | 15s 8 | 0n11 | 8s51 | 13n37 | 23n17 | 23n18 | 12n16 | 16s40 | 5n 3 | S 31 |

Julian Day Number = 2812525.5, Delta T = 53m36s
Ecliptic obliquity = 23°18'41, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°34'32, Lahiri = 37°41'32


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# ASTRODIENST EPHEMERIS for the year 2988
# geocentric

## JUNE 2988 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 42 12 | 11♊56'56 | 11♈22 | 28♊31 | 8♊ 6 | 1♍35 | 8♍ 8 | 27°R35 | 7°R36 | 18°R 8 | 14°R10 | 27°R32 | 28♊19 | 10♍13 | 8°R43 | S 1 |
| M 2 | 16 46 9 | 12°54'49 | 25°29 | 28°R35 | 9°20 | 2° 5 | 8°13 | 27♐31 | 7♐34 | 18♒ 8 | 14♐ 8 | 27♊31 | 28°16 | 10°20 | 8♐39 | M 2 |
| T 3 | 16 50 6 | 13°52'40 | 9♉28 | 28°34 | 10°34 | 2°34 | 8°18 | 27°27 | 7°31 | 18° 7 | 14° 7 | 27°29 | 28°13 | 10°26 | 8°34 | T 3 |
| W 4 | 16 54 2 | 14°50'30 | 23°16 | 28°28 | 11°47 | 3° 4 | 8°24 | 27°23 | 7°29 | 18° 7 | 14° 5 | 27°27 | 28°10 | 10°33 | 8°30 | W 4 |
| T 5 | 16 57 59 | 15°48'20 | 6♊50 | 28°18 | 13° 1 | 3°33 | 8°30 | 27°18 | 7°26 | 18° 6 | 14° 3 | 27°26 | 28° 7 | 10°40 | 8°26 | T 5 |
| F 6 | 17 1 55 | 16°46'08 | 20° 8 | 28° 4 | 14°15 | 4° 3 | 8°35 | 27°14 | 7°24 | 18° 6 | 14° 2 | 27°26 | 28° 4 | 10°47 | 8°21 | F 6 |
| S 7 | 17 5 52 | 17°43'54 | 3♋10 | 27°46 | 15°29 | 4°33 | 8°42 | 27° 9 | 7°21 | 18° 5 | 14° 0 | 27°D25 | 28° 0 | 10°53 | 8°17 | S 7 |
| S 8 | 17 9 48 | 18°41'39 | 15°54 | 27°24 | 16°43 | 5° 3 | 8°48 | 27° 5 | 7°19 | 18° 4 | 13°58 | 27°26 | 27°57 | 11° 0 | 8°13 | S 8 |
| M 9 | 17 13 45 | 19°39'23 | 28°22 | 26°59 | 17°57 | 5°34 | 8°54 | 27° 1 | 7°16 | 18° 4 | 13°57 | 27°27 | 27°54 | 11° 7 | 8° 8 | M 9 |
| T 10 | 17 17 42 | 20°37'06 | 10♌36 | 26°31 | 19°10 | 6° 4 | 9° 0 | 26°56 | 7°14 | 18° 3 | 13°55 | 27°27 | 27°51 | 11°14 | 8° 4 | T 10 |
| W11 | 17 21 38 | 21°34'47 | 22°40 | 26° 1 | 20°24 | 6°35 | 9° 7 | 26°52 | 7°12 | 18° 2 | 13°53 | 27°28 | 27°48 | 11°20 | 8° 0 | W11 |
| T 12 | 17 25 35 | 22°32'26 | 4♍36 | 25°29 | 21°38 | 7° 6 | 9°14 | 26°47 | 7° 9 | 18° 2 | 13°52 | 27°28 | 27°44 | 11°27 | 7°56 | T 12 |
| F 13 | 17 29 31 | 23°30'04 | 16°29 | 24°56 | 22°52 | 7°36 | 9°21 | 26°43 | 7° 7 | 18° 1 | 13°50 | 27°29 | 27°41 | 11°34 | 7°51 | F 13 |
| S 14 | 17 33 28 | 24°27'41 | 28°23 | 24°23 | 24° 6 | 8° 7 | 9°28 | 26°39 | 7° 4 | 18° 0 | 13°48 | 27°R29 | 27°38 | 11°40 | 7°47 | S 14 |
| S 15 | 17 37 24 | 25°25'16 | 10♎24 | 23°49 | 25°19 | 8°38 | 9°35 | 26°34 | 7° 2 | 17°59 | 13°47 | 27°29 | 27°35 | 11°47 | 7°43 | S 15 |
| M16 | 17 41 21 | 26°22'50 | 22°34 | 23°16 | 26°33 | 9°10 | 9°42 | 26°30 | 7° 0 | 17°59 | 13°45 | 27°28 | 27°32 | 11°54 | 7°39 | M16 |
| T 17 | 17 45 17 | 27°20'23 | 5♏ 0 | 22°44 | 27°47 | 9°41 | 9°49 | 26°25 | 6°57 | 17°58 | 13°44 | 27°D28 | 27°29 | 12° 1 | 7°35 | T 17 |
| W18 | 17 49 14 | 28°17'54 | 17°43 | 22°13 | 29° 1 | 10°13 | 9°57 | 26°21 | 6°55 | 17°57 | 13°42 | 27°28 | 27°25 | 12° 7 | 7°31 | W18 |
| T 19 | 17 53 11 | 29°15'24 | 0♐46 | 21°45 | 0♋15 | 10°44 | 10° 4 | 26°16 | 6°53 | 17°56 | 13°40 | 27°29 | 27°22 | 12°14 | 7°27 | T 19 |
| F 20 | 17 57 7 | 0♋12'54 | 14°10 | 21°20 | 1°28 | 11°16 | 10°12 | 26°12 | 6°51 | 17°55 | 13°39 | 27°29 | 27°19 | 12°21 | 7°23 | F 20 |
| S 21 | 18 1 4 | 1°10'22 | 27°54 | 20°57 | 2°42 | 11°48 | 10°20 | 26° 7 | 6°48 | 17°54 | 13°37 | 27°R29 | 27°16 | 12°27 | 7°19 | S 21 |
| S 22 | 18 5 0 | 2° 7'49 | 11♑56 | 20°38 | 3°56 | 12°20 | 10°28 | 26° 3 | 6°46 | 17°53 | 13°36 | 27°29 | 27°13 | 12°34 | 7°16 | S 22 |
| M23 | 18 8 57 | 3° 5'16 | 26°12 | 20°22 | 5°10 | 12°52 | 10°36 | 25°58 | 6°44 | 17°52 | 13°34 | 27°28 | 27°10 | 12°41 | 7°12 | M23 |
| T 24 | 18 12 53 | 4° 2'42 | 10♒37 | 20°11 | 6°23 | 13°24 | 10°44 | 25°54 | 6°42 | 17°51 | 13°33 | 27°28 | 27° 6 | 12°48 | 7° 8 | T 24 |
| W25 | 18 16 50 | 5° 0'07 | 25° 6 | 20° 4 | 7°37 | 13°56 | 10°53 | 25°50 | 6°40 | 17°50 | 13°31 | 27°27 | 27° 3 | 12°54 | 7° 5 | W25 |
| T 26 | 18 20 46 | 5°57'31 | 9♓35 | 20°D 1 | 8°51 | 14°28 | 11° 1 | 25°45 | 6°38 | 17°49 | 13°30 | 27°26 | 27° 0 | 13° 1 | 7° 1 | T 26 |
| F 27 | 18 24 43 | 6°54'55 | 23°57 | 20° 2 | 10° 5 | 15° 1 | 11°10 | 25°41 | 6°36 | 17°48 | 13°28 | 27°26 | 26°57 | 13° 8 | 6°58 | F 27 |
| S 28 | 18 28 40 | 7°52'18 | 8♈11 | 20° 8 | 11°18 | 15°34 | 11°18 | 25°37 | 6°33 | 17°47 | 13°27 | 27°D25 | 26°54 | 13°14 | 6°54 | S 28 |
| S 29 | 18 32 36 | 8°49'41 | 22°13 | 20°19 | 12°32 | 16° 6 | 11°27 | 25°32 | 6°31 | 17°45 | 13°25 | 27°26 | 26°50 | 13°21 | 6°51 | S 29 |
| M30 | 18 36 33 | 9♋47'04 | 6♉ 2 | 20♊34 | 13♋46 | 16♍39 | 11♍36 | 25♐28 | 6♐29 | 17♒44 | 13♐24 | 27♊26 | 26♊47 | 13♍28 | 6♐48 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n 6 | 0s14 | 5s 6 | 24n24 | 1n 5 | 21n 0 | 0s33 | 12n17 | 1n32 | 9n28 | 1n 4 | 21s41 | 1n36 | 21s18 | 0n10 | 15s 8 | 0n11 | 8s50 | 13n37 | 23n17 | 23n18 | 12n14 | 16s39 | 5n 3 |
| M 2 | 22 14 | 5n28 | 4 39 | 24 10 | 0 52 | 21 13 | 0 31 | 12 5 | 1 30 | 9 26 | 1 4 | 21 41 | 1 36 | 21 18 | 0 10 | 15 8 | 0 11 | 8 50 | 13 37 | 23 17 | 23 18 | 12 11 | 16 38 | 5 3 |
| T 3 | 22 21 | 10 51 | 3 55 | 23 55 | 0 37 | 21 26 | 0 29 | 11 54 | 1 29 | 9 24 | 1 4 | 21 41 | 1 36 | 21 17 | 0 10 | 15 8 | 0 11 | 8 50 | 13 37 | 23 17 | 23 18 | 12 9 | 16 37 | 5 4 |
| W 4 | 22 27 | 15 37 | 2 58 | 23 40 | 0 22 | 21 39 | 0 27 | 11 42 | 1 28 | 9 22 | 1 4 | 21 41 | 1 36 | 21 17 | 0 10 | 15 9 | 0 11 | 8 50 | 13 37 | 23 17 | 23 18 | 12 7 | 16 36 | 5 4 |
| T 5 | 22 34 | 19 30 | 1 51 | 23 24 | 0 6 | 21 50 | 0 24 | 11 30 | 1 27 | 9 20 | 1 4 | 21 41 | 1 36 | 21 16 | 0 10 | 15 9 | 0 11 | 8 50 | 13 37 | 23 17 | 23 18 | 12 4 | 16 35 | 5 4 |
| F 6 | 22 39 | 22 17 | 0 40 | 23 7 | 0s11 | 22 1 | 0 22 | 11 18 | 1 26 | 9 17 | 1 3 | 21 41 | 1 36 | 21 16 | 0 10 | 15 9 | 0 11 | 8 50 | 13 37 | 23 17 | 23 18 | 12 2 | 16 34 | 5 4 |
| S 7 | 22 45 | 23 48 | 0n32 | 22 50 | 0 28 | 22 12 | 0 20 | 11 6 | 1 25 | 9 15 | 1 3 | 21 41 | 1 36 | 21 16 | 0 10 | 15 9 | 0 11 | 8 50 | 13 37 | 23 17 | 23 18 | 12 0 | 16 34 | 5 4 |
| S 8 | 22 50 | 24 2 | 1 41 | 22 32 | 0 45 | 22 22 | 0 17 | 10 54 | 1 24 | 9 12 | 1 3 | 21 41 | 1 36 | 21 15 | 0 10 | 15 9 | 0 11 | 8 50 | 13 37 | 23 17 | 23 18 | 11 57 | 16 33 | 5 4 |
| M 9 | 22 55 | 23 2 | 2 43 | 22 14 | 1 3 | 22 31 | 0 15 | 10 42 | 1 22 | 9 10 | 1 3 | 21 41 | 1 36 | 21 15 | 0 10 | 15 9 | 0 11 | 8 50 | 13 37 | 23 17 | 23 18 | 11 55 | 16 32 | 5 5 |
| T 10 | 22 59 | 20 58 | 3 37 | 21 55 | 1 21 | 22 40 | 0 13 | 10 30 | 1 21 | 9 7 | 1 3 | 21 41 | 1 36 | 21 14 | 0 10 | 15 10 | 0 11 | 8 50 | 13 37 | 23 17 | 23 18 | 11 53 | 16 31 | 5 5 |
| W11 | 23 3 | 17 59 | 4 20 | 21 37 | 1 38 | 22 48 | 0 10 | 10 18 | 1 20 | 9 5 | 1 3 | 21 41 | 1 36 | 21 14 | 0 10 | 15 10 | 0 11 | 8 50 | 13 36 | 23 17 | 23 18 | 11 50 | 16 30 | 5 5 |
| T 12 | 23 6 | 14 18 | 4 52 | 21 19 | 1 55 | 22 55 | 0 8 | 10 5 | 1 19 | 9 2 | 1 3 | 21 40 | 1 36 | 21 14 | 0 10 | 15 10 | 0 11 | 8 50 | 13 36 | 23 17 | 23 18 | 11 48 | 16 30 | 5 5 |
| F 13 | 23 9 | 10 5 | 5 11 | 21 1 | 2 12 | 23 2 | 0 5 | 9 53 | 1 18 | 9 0 | 1 3 | 21 40 | 1 36 | 21 13 | 0 10 | 15 10 | 0 11 | 8 50 | 13 36 | 23 17 | 23 17 | 11 46 | 16 29 | 5 5 |
| S 14 | 23 12 | 5 29 | 5 17 | 20 43 | 2 29 | 23 8 | 0 3 | 9 40 | 1 17 | 8 57 | 1 2 | 21 40 | 1 36 | 21 13 | 0 10 | 15 11 | 0 11 | 8 50 | 13 36 | 23 17 | 23 17 | 11 43 | 16 28 | 5 5 |
| S 15 | 23 14 | 0 39 | 5 9 | 20 26 | 2 44 | 23 13 | 0 1 | 9 28 | 1 16 | 8 54 | 1 2 | 21 40 | 1 36 | 21 12 | 0 10 | 15 11 | 0 11 | 8 49 | 13 36 | 23 17 | 23 17 | 11 41 | 16 27 | 5 5 |
| M16 | 23 16 | 4s17 | 4 47 | 20 9 | 2 59 | 23 18 | 0n 2 | 9 15 | 1 15 | 8 51 | 1 2 | 21 40 | 1 36 | 21 12 | 0 10 | 15 11 | 0 11 | 8 49 | 13 36 | 23 17 | 23 17 | 11 39 | 16 27 | 5 5 |
| T 17 | 23 17 | 9 10 | 4 12 | 19 54 | 3 13 | 23 22 | 0 4 | 9 2 | 1 14 | 8 48 | 1 2 | 21 40 | 1 36 | 21 12 | 0 10 | 15 11 | 0 11 | 8 49 | 13 35 | 23 17 | 23 17 | 11 36 | 16 26 | 5 5 |
| W18 | 23 18 | 13 46 | 3 23 | 19 40 | 3 26 | 23 25 | 0 7 | 8 50 | 1 13 | 8 45 | 1 2 | 21 40 | 1 36 | 21 11 | 0 10 | 15 12 | 0 11 | 8 50 | 13 35 | 23 17 | 23 17 | 11 34 | 16 25 | 5 5 |
| T 19 | 23 19 | 17 52 | 2 23 | 19 26 | 3 37 | 23 28 | 0 9 | 8 37 | 1 12 | 8 42 | 1 2 | 21 40 | 1 35 | 21 11 | 0 10 | 15 12 | 0 11 | 8 50 | 13 35 | 23 17 | 23 17 | 11 32 | 16 25 | 5 5 |
| F 20 | 23 19 | 21 10 | 1 13 | 19 15 | 3 48 | 23 29 | 0 11 | 8 24 | 1 11 | 8 39 | 1 2 | 21 40 | 1 35 | 21 11 | 0 10 | 15 12 | 0 11 | 8 50 | 13 35 | 23 17 | 23 17 | 11 29 | 16 24 | 5 5 |
| S 21 | 23 18 | 23 20 | 0s 2 | 19 4 | 3 57 | 23 31 | 0 14 | 8 11 | 1 10 | 8 36 | 1 2 | 21 40 | 1 35 | 21 10 | 0 10 | 15 12 | 0 11 | 8 50 | 13 35 | 23 17 | 23 17 | 11 27 | 16 23 | 5 6 |
| S 22 | 23 18 | 24 6 | 1 19 | 18 55 | 4 4 | 23 31 | 0 16 | 7 58 | 1 9 | 8 33 | 1 2 | 21 40 | 1 35 | 21 10 | 0 10 | 15 13 | 0 11 | 8 50 | 13 34 | 23 17 | 23 17 | 11 25 | 16 23 | 5 6 |
| M23 | 23 17 | 23 18 | 2 32 | 18 48 | 4 11 | 23 31 | 0 18 | 7 45 | 1 8 | 8 30 | 1 1 | 21 40 | 1 35 | 21 10 | 0 10 | 15 13 | 0 11 | 8 50 | 13 34 | 23 17 | 23 17 | 11 22 | 16 22 | 5 6 |
| T 24 | 23 15 | 20 57 | 3 37 | 18 42 | 4 16 | 23 30 | 0 21 | 7 31 | 1 7 | 8 27 | 1 1 | 21 40 | 1 35 | 21 9 | 0 10 | 15 13 | 0 11 | 8 50 | 13 34 | 23 17 | 23 17 | 11 20 | 16 22 | 5 5 |
| W25 | 23 13 | 17 17 | 4 28 | 18 37 | 4 20 | 23 29 | 0 23 | 7 18 | 1 6 | 8 24 | 1 1 | 21 40 | 1 35 | 21 9 | 0 10 | 15 14 | 0 11 | 8 50 | 13 34 | 23 17 | 23 17 | 11 17 | 16 21 | 5 5 |
| T 26 | 23 11 | 12 35 | 5 1 | 18 35 | 4 22 | 23 26 | 0 25 | 7 5 | 1 5 | 8 20 | 1 1 | 21 40 | 1 35 | 21 9 | 0 10 | 15 14 | 0 11 | 8 50 | 13 34 | 23 17 | 23 17 | 11 15 | 16 21 | 5 5 |
| F 27 | 23 8 | 7 13 | 5 16 | 18 34 | 4 23 | 23 23 | 0 28 | 6 51 | 1 4 | 8 17 | 1 1 | 21 40 | 1 35 | 21 8 | 0 10 | 15 14 | 0 11 | 8 50 | 13 33 | 23 17 | 23 17 | 11 13 | 16 20 | 5 5 |
| S 28 | 23 5 | 1 32 | 5 11 | 18 34 | 4 23 | 23 20 | 0 30 | 6 38 | 1 3 | 8 14 | 1 1 | 21 40 | 1 35 | 21 8 | 0 10 | 15 15 | 0 11 | 8 50 | 13 33 | 23 17 | 23 16 | 11 10 | 16 20 | 5 5 |
| S 29 | 23 1 | 4n 9 | 4 47 | 18 36 | 4 22 | 23 15 | 0 32 | 6 24 | 1 2 | 8 10 | 1 1 | 21 40 | 1 35 | 21 8 | 0 10 | 15 15 | 0 11 | 8 50 | 13 33 | 23 17 | 23 16 | 11 8 | 16 19 | 5 5 |
| M30 | 22n57 | 9n34 | 4s 7 | 18n39 | 4s20 | 23n10 | 0n34 | 6n11 | 1n 1 | 8n 7 | 1n 1 | 21s40 | 1n34 | 21s 7 | 0n10 | 15s15 | 0n11 | 8s50 | 13n32 | 23n17 | 23n16 | 11n 5 | 16s19 | 5n 5 |

Julian Day Number = 2812556.5, Delta T = 53m37s
Ecliptic obliquity = 23°18'40, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°34'36, Lahiri = 37°41'37


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# ASTRODIENST EPHEMERIS for the year 2988
# geocentric

## JULY 2988 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 40 29 | 10♋44'26 | 19♉39 | 20♊53 | 15♋ 0 | 17♍12 | 11♍45 | 25°R24 | 6°R28 | 17°R43 | 13°R22 | 27♊27 | 26♊44 | 13♍35 | 6°R45 | T 1 |
| W 2 | 18 44 26 | 11°41'48 | 3♊ 1 | 21°18 | 16°13 | 17°45 | 11°54 | 25♐20 | 6♐26 | 17♒42 | 13♐21 | 27°28 | 26°41 | 13°41 | 6♐41 | W 2 |
| T 3 | 18 48 22 | 12°39'10 | 16°10 | 21°46 | 17°27 | 18°18 | 12° 3 | 25°15 | 6°24 | 17°41 | 13°20 | 27°29 | 26°38 | 13°48 | 6°38 | T 3 |
| F 4 | 18 52 19 | 13°36'31 | 29° 5 | 22°19 | 18°41 | 18°51 | 12°13 | 25°11 | 6°22 | 17°39 | 13°18 | 27°R30 | 26°35 | 13°55 | 6°35 | F 4 |
| S 5 | 18 56 15 | 14°33'52 | 11♋48 | 22°57 | 19°55 | 19°25 | 12°22 | 25° 7 | 6°20 | 17°38 | 13°17 | 27°29 | 26°31 | 14° 1 | 6°33 | S 5 |
| S 6 | 19 0 12 | 15°31'12 | 24°18 | 23°39 | 21° 8 | 19°58 | 12°32 | 25° 3 | 6°18 | 17°37 | 13°15 | 27°28 | 26°28 | 14° 8 | 6°30 | S 6 |
| M 7 | 19 4 9 | 16°28'32 | 6♌37 | 24°25 | 22°22 | 20°31 | 12°41 | 24°59 | 6°17 | 17°35 | 13°14 | 27°25 | 26°25 | 14°15 | 6°27 | M 7 |
| T 8 | 19 8 5 | 17°25'51 | 18°45 | 25°15 | 23°36 | 21° 5 | 12°51 | 24°55 | 6°15 | 17°34 | 13°13 | 27°22 | 26°22 | 14°22 | 6°24 | T 8 |
| W 9 | 19 12 2 | 18°23'10 | 0♍46 | 26° 9 | 24°50 | 21°39 | 13° 1 | 24°51 | 6°13 | 17°33 | 13°12 | 27°19 | 26°19 | 14°28 | 6°22 | W 9 |
| T 10 | 19 15 58 | 19°20'28 | 12°40 | 27° 8 | 26° 3 | 22°12 | 13°11 | 24°47 | 6°12 | 17°31 | 13°10 | 27°16 | 26°16 | 14°35 | 6°19 | T 10 |
| F 11 | 19 19 55 | 20°17'45 | 24°32 | 28°10 | 27°17 | 22°46 | 13°21 | 24°44 | 6°10 | 17°30 | 13° 9 | 27°13 | 26°12 | 14°42 | 6°17 | F 11 |
| S 12 | 19 23 51 | 21°15'02 | 6♎26 | 29°16 | 28°31 | 23°20 | 13°31 | 24°40 | 6° 8 | 17°29 | 13° 8 | 27°11 | 26° 9 | 14°49 | 6°15 | S 12 |
| S 13 | 19 27 48 | 22°12'18 | 18°25 | 0♋26 | 29°45 | 23°54 | 13°41 | 24°36 | 6° 7 | 17°27 | 13° 7 | 27°D10 | 26° 6 | 14°55 | 6°12 | S 13 |
| M14 | 19 31 44 | 23° 9'34 | 0♏34 | 1°40 | 0♌58 | 24°28 | 13°51 | 24°33 | 6° 6 | 17°26 | 13° 6 | 27°10 | 26° 3 | 15° 2 | 6°10 | M14 |
| T 15 | 19 35 41 | 24° 6'49 | 12°58 | 2°58 | 2°12 | 25° 3 | 14° 1 | 24°29 | 6° 4 | 17°24 | 13° 4 | 27°11 | 26° 0 | 15° 9 | 6° 8 | T 15 |
| W16 | 19 39 38 | 25° 4'04 | 25°40 | 4°19 | 3°26 | 25°37 | 14°12 | 24°25 | 6° 3 | 17°23 | 13° 3 | 27°13 | 25°56 | 15°15 | 6° 6 | W16 |
| T 17 | 19 43 34 | 26° 1'19 | 8♐46 | 5°44 | 4°39 | 26°11 | 14°22 | 24°22 | 6° 1 | 17°21 | 13° 2 | 27°14 | 25°53 | 15°22 | 6° 5 | T 17 |
| F 18 | 19 47 31 | 26°58'33 | 22°16 | 7°13 | 5°53 | 26°46 | 14°33 | 24°19 | 6° 0 | 17°20 | 13° 1 | 27°R15 | 25°50 | 15°29 | 6° 3 | F 18 |
| S 19 | 19 51 27 | 27°55'47 | 6♑12 | 8°45 | 7° 7 | 27°20 | 14°44 | 24°15 | 5°59 | 17°18 | 13° 0 | 27°15 | 25°47 | 15°36 | 6° 1 | S 19 |
| S 20 | 19 55 24 | 28°53'01 | 20°31 | 10°21 | 8°21 | 27°55 | 14°54 | 24°12 | 5°58 | 17°17 | 12°59 | 27°14 | 25°44 | 15°42 | 6° 0 | S 20 |
| M21 | 19 59 20 | 29°50'15 | 5♒ 9 | 12° 0 | 9°34 | 28°30 | 15° 5 | 24° 9 | 5°57 | 17°15 | 12°58 | 27°11 | 25°41 | 15°49 | 5°58 | M21 |
| T 22 | 20 3 17 | 0♌47'29 | 20° 1 | 13°42 | 10°48 | 29° 5 | 15°16 | 24° 6 | 5°55 | 17°14 | 12°57 | 27° 6 | 25°37 | 15°56 | 5°57 | T 22 |
| W23 | 20 7 14 | 1°44'42 | 4♓56 | 15°28 | 12° 2 | 29°39 | 15°27 | 24° 3 | 5°54 | 17°12 | 12°56 | 27° 1 | 25°34 | 16° 2 | 5°55 | W23 |
| T 24 | 20 11 10 | 2°41'56 | 19°47 | 17°17 | 13°15 | 0♎14 | 15°38 | 24° 0 | 5°53 | 17°11 | 12°55 | 26°57 | 25°31 | 16° 9 | 5°54 | T 24 |
| F 25 | 20 15 7 | 3°39'11 | 4♈27 | 19° 9 | 14°29 | 0°49 | 15°49 | 23°57 | 5°52 | 17° 9 | 12°54 | 26°53 | 25°28 | 16°16 | 5°53 | F 25 |
| S 26 | 20 19 3 | 4°36'25 | 18°50 | 21° 4 | 15°43 | 1°24 | 16° 0 | 23°54 | 5°51 | 17° 8 | 12°53 | 26°50 | 25°25 | 16°23 | 5°52 | S 26 |
| S 27 | 20 23 0 | 5°33'41 | 2♉54 | 23° 1 | 16°56 | 2° 0 | 16°11 | 23°51 | 5°51 | 17° 6 | 12°53 | 26°D49 | 25°22 | 16°29 | 5°51 | S 27 |
| M28 | 20 26 56 | 6°30'56 | 16°36 | 25° 1 | 18°10 | 2°35 | 16°23 | 23°48 | 5°50 | 17° 4 | 12°52 | 26°50 | 25°18 | 16°36 | 5°50 | M28 |
| T 29 | 20 30 53 | 7°28'13 | 29°59 | 27° 3 | 19°24 | 3°10 | 16°34 | 23°46 | 5°49 | 17° 3 | 12°51 | 26°51 | 25°15 | 16°43 | 5°50 | T 29 |
| W30 | 20 34 49 | 8°25'29 | 13♊ 4 | 29° 7 | 20°38 | 3°46 | 16°45 | 23°43 | 5°48 | 17° 1 | 12°50 | 26°52 | 25°12 | 16°50 | 5°49 | W30 |
| T 31 | 20 38 46 | 9♌22'47 | 25♊53 | 1♌12 | 21♌51 | 4♎21 | 16♍57 | 23♐41 | 5♐48 | 17♒ 0 | 12♐50 | 26°R53 | 25♊ 9 | 16♍56 | 5♐49 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22n53 | 14n26 | 3s14 | 18n44 | 4s17 | 23n 5 | 0n36 | 5n57 | 1n 0 | 8n 3 | 1n 1 | 21s40 | 1n34 | 21s 7 | 0n10 | 15s16 | 0n11 | 8s50 | 13n32 | 23n17 | 23n16 | 11n 3 | 16s18 | 5n 5 | T 1 |
| W 2 | 22 48 | 18 30 | 2 11 | 18 50 | 4 13 | 22 58 | 0 39 | 5 44 | 0 59 | 8 0 | 1 1 | 21 40 | 1 34 | 21 7 | 0 10 | 15 16 | 0 11 | 8 51 | 13 32 | 23 17 | 23 16 | 11 1 | 16 18 | 5 5 | W 2 |
| T 3 | 22 43 | 21 34 | 1 2 | 18 56 | 4 7 | 22 51 | 0 41 | 5 30 | 0 58 | 7 56 | 1 0 | 21 40 | 1 34 | 21 6 | 0 10 | 15 17 | 0 11 | 8 51 | 13 32 | 23 17 | 23 16 | 10 58 | 16 17 | 5 5 | T 3 |
| F 4 | 22 37 | 23 27 | 0n 9 | 19 4 | 4 1 | 22 44 | 0 43 | 5 16 | 0 57 | 7 52 | 1 0 | 21 40 | 1 34 | 21 6 | 0 9 | 15 17 | 0 11 | 8 51 | 13 31 | 23 17 | 23 16 | 10 56 | 16 17 | 5 5 | F 4 |
| S 5 | 22 31 | 24 5 | 1 18 | 19 13 | 3 55 | 22 35 | 0 45 | 5 2 | 0 56 | 7 49 | 1 0 | 21 40 | 1 34 | 21 6 | 0 9 | 15 17 | 0 11 | 8 51 | 13 31 | 23 17 | 23 16 | 10 53 | 16 17 | 5 5 | S 5 |
| S 6 | 22 25 | 23 29 | 2 22 | 19 23 | 3 47 | 22 26 | 0 47 | 4 48 | 0 56 | 7 45 | 1 0 | 21 40 | 1 34 | 21 5 | 0 9 | 15 18 | 0 11 | 8 51 | 13 31 | 23 17 | 23 16 | 10 51 | 16 16 | 5 5 | S 6 |
| M 7 | 22 18 | 21 44 | 3 19 | 19 33 | 3 39 | 22 16 | 0 49 | 4 34 | 0 55 | 7 41 | 1 0 | 21 40 | 1 34 | 21 5 | 0 9 | 15 18 | 0 11 | 8 51 | 13 30 | 23 17 | 23 16 | 10 49 | 16 16 | 5 5 | M 7 |
| T 8 | 22 11 | 19 1 | 4 6 | 19 44 | 3 30 | 22 6 | 0 51 | 4 20 | 0 54 | 7 38 | 1 0 | 21 40 | 1 33 | 21 5 | 0 9 | 15 19 | 0 11 | 8 52 | 13 30 | 23 17 | 23 16 | 10 46 | 16 16 | 5 4 | T 8 |
| W 9 | 22 3 | 15 32 | 4 41 | 19 55 | 3 20 | 21 55 | 0 53 | 4 6 | 0 53 | 7 34 | 1 0 | 21 40 | 1 33 | 21 5 | 0 9 | 15 19 | 0 11 | 8 52 | 13 30 | 23 17 | 23 16 | 10 44 | 16 15 | 5 4 | W 9 |
| T 10 | 21 56 | 11 27 | 5 4 | 20 6 | 3 10 | 21 43 | 0 55 | 3 52 | 0 52 | 7 30 | 1 0 | 21 40 | 1 33 | 21 4 | 0 9 | 15 19 | 0 11 | 8 52 | 13 29 | 23 17 | 23 16 | 10 41 | 16 15 | 5 4 | T 10 |
| F 11 | 21 47 | 6 58 | 5 14 | 20 18 | 3 0 | 21 31 | 0 57 | 3 38 | 0 51 | 7 26 | 1 0 | 21 40 | 1 33 | 21 4 | 0 9 | 15 20 | 0 11 | 8 52 | 13 29 | 23 17 | 23 15 | 10 39 | 16 15 | 5 4 | F 11 |
| S 12 | 21 39 | 2 12 | 5 10 | 20 30 | 2 49 | 21 18 | 0 59 | 3 24 | 0 50 | 7 22 | 1 0 | 21 39 | 1 33 | 21 4 | 0 9 | 15 20 | 0 11 | 8 52 | 13 29 | 23 17 | 23 15 | 10 36 | 16 15 | 5 4 | S 12 |
| S 13 | 21 30 | 2s40 | 4 53 | 20 41 | 2 37 | 21 5 | 1 0 | 3 10 | 0 49 | 7 18 | 1 0 | 21 39 | 1 33 | 21 4 | 0 9 | 15 21 | 0 11 | 8 53 | 13 28 | 23 17 | 23 15 | 10 34 | 16 14 | 5 4 | S 13 |
| M14 | 21 20 | 7 30 | 4 22 | 20 52 | 2 26 | 20 51 | 1 2 | 2 55 | 0 48 | 7 14 | 1 0 | 21 40 | 1 33 | 21 3 | 0 9 | 15 21 | 0 11 | 8 53 | 13 28 | 23 17 | 23 15 | 10 31 | 16 14 | 5 3 | M14 |
| T 15 | 21 10 | 12 10 | 3 39 | 21 3 | 2 14 | 20 36 | 1 4 | 2 41 | 0 47 | 7 10 | 0 59 | 21 40 | 1 32 | 21 3 | 0 9 | 15 22 | 0 11 | 8 53 | 13 27 | 23 17 | 23 15 | 10 29 | 16 14 | 5 3 | T 15 |
| W16 | 21 0 | 16 25 | 2 44 | 21 13 | 2 1 | 20 21 | 1 6 | 2 27 | 0 47 | 7 6 | 0 59 | 21 40 | 1 32 | 21 3 | 0 9 | 15 22 | 0 11 | 8 53 | 13 27 | 23 17 | 23 15 | 10 27 | 16 14 | 5 3 | W16 |
| T 17 | 20 50 | 20 0 | 1 40 | 21 23 | 1 49 | 20 5 | 1 7 | 2 12 | 0 46 | 7 2 | 0 59 | 21 40 | 1 32 | 21 3 | 0 9 | 15 23 | 0 11 | 8 54 | 13 27 | 23 17 | 23 15 | 10 24 | 16 14 | 5 3 | T 17 |
| F 18 | 20 39 | 22 38 | 0 27 | 21 31 | 1 36 | 19 49 | 1 9 | 1 58 | 0 45 | 6 58 | 0 59 | 21 40 | 1 32 | 21 2 | 0 9 | 15 23 | 0 11 | 8 54 | 13 26 | 23 17 | 23 15 | 10 22 | 16 14 | 5 3 | F 18 |
| S 19 | 20 28 | 23 59 | 0s49 | 21 38 | 1 23 | 19 32 | 1 10 | 1 44 | 0 44 | 6 54 | 0 59 | 21 40 | 1 32 | 21 2 | 0 9 | 15 23 | 0 11 | 8 54 | 13 26 | 23 17 | 23 15 | 10 19 | 16 14 | 5 3 | S 19 |
| S 20 | 20 16 | 23 48 | 2 4 | 21 44 | 1 11 | 19 14 | 1 12 | 1 29 | 0 43 | 6 49 | 0 59 | 21 40 | 1 32 | 21 2 | 0 9 | 15 24 | 0 11 | 8 55 | 13 25 | 23 17 | 23 15 | 10 17 | 16 14 | 5 2 | S 20 |
| M21 | 20 5 | 21 59 | 3 12 | 21 49 | 0 58 | 18 56 | 1 13 | 1 15 | 0 42 | 6 45 | 0 59 | 21 40 | 1 31 | 21 2 | 0 9 | 15 24 | 0 11 | 8 55 | 13 25 | 23 17 | 23 14 | 10 14 | 16 14 | 5 2 | M21 |
| T 22 | 19 52 | 18 40 | 4 8 | 21 52 | 0 45 | 18 38 | 1 14 | 1 0 | 0 42 | 6 41 | 0 59 | 21 40 | 1 31 | 21 2 | 0 9 | 15 25 | 0 11 | 8 55 | 13 25 | 23 17 | 23 14 | 10 12 | 16 14 | 5 2 | T 22 |
| W23 | 19 40 | 14 7 | 4 48 | 21 53 | 0 32 | 18 18 | 1 16 | 0 46 | 0 41 | 6 37 | 0 59 | 21 40 | 1 31 | 21 2 | 0 9 | 15 25 | 0 11 | 8 55 | 13 24 | 23 17 | 23 14 | 10 9 | 16 14 | 5 2 | W23 |
| T 24 | 19 27 | 8 45 | 5 8 | 21 52 | 0 20 | 17 59 | 1 17 | 0 31 | 0 40 | 6 32 | 0 59 | 21 40 | 1 31 | 21 1 | 0 9 | 15 26 | 0 11 | 8 56 | 13 24 | 23 17 | 23 14 | 10 7 | 16 14 | 5 1 | T 24 |
| F 25 | 19 14 | 2 57 | 5 8 | 21 49 | 0 8 | 17 39 | 1 18 | 0 16 | 0 39 | 6 28 | 0 59 | 21 40 | 1 31 | 21 1 | 0 9 | 15 26 | 0 11 | 8 56 | 13 23 | 23 16 | 23 14 | 10 4 | 16 14 | 5 1 | F 25 |
| S 26 | 19 1 | 2n53 | 4 48 | 21 44 | 0n 4 | 17 18 | 1 19 | 0 2 | 0 38 | 6 24 | 0 59 | 21 40 | 1 31 | 21 1 | 0 9 | 15 27 | 0 11 | 8 56 | 13 23 | 23 16 | 23 14 | 10 2 | 16 14 | 5 1 | S 26 |
| S 27 | 18 47 | 8 28 | 4 12 | 21 37 | 0 15 | 16 57 | 1 20 | 0s13 | 0 37 | 6 19 | 0 59 | 21 40 | 1 30 | 21 1 | 0 9 | 15 27 | 0 11 | 8 57 | 13 22 | 23 16 | 23 14 | 9 59 | 16 14 | 5 1 | S 27 |
| M28 | 18 33 | 13 30 | 3 21 | 21 27 | 0 26 | 16 36 | 1 21 | 0 28 | 0 37 | 6 15 | 0 59 | 21 40 | 1 30 | 21 1 | 0 9 | 15 28 | 0 11 | 8 57 | 13 22 | 23 16 | 23 14 | 9 57 | 16 14 | 5 0 | M28 |
| T 29 | 18 18 | 17 45 | 2 21 | 21 14 | 0 36 | 16 14 | 1 22 | 0 42 | 0 36 | 6 10 | 0 59 | 21 40 | 1 30 | 21 1 | 0 9 | 15 28 | 0 11 | 8 57 | 13 22 | 23 16 | 23 14 | 9 54 | 16 14 | 5 0 | T 29 |
| W30 | 18 4 | 21 1 | 1 14 | 20 59 | 0 46 | 15 51 | 1 23 | 0 57 | 0 35 | 6 6 | 0 58 | 21 40 | 1 30 | 21 1 | 0 9 | 15 29 | 0 11 | 8 58 | 13 21 | 23 16 | 23 13 | 9 52 | 16 14 | 5 0 | W30 |
| T 31 | 17n49 | 23n 9 | 0s 5 | 20n41 | 0n55 | 15n29 | 1n24 | 1s12 | 0n34 | 6n 2 | 0n58 | 21s40 | 1n30 | 21s 1 | 0n 9 | 15s29 | 0n11 | 8s58 | 13n21 | 23n16 | 23n13 | 9n49 | 16s14 | 5n 0 | T 31 |

Julian Day Number = 2812586.5, Delta T = 53m38s
Ecliptic obliquity = 23°18'40, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°34'40, Lahiri = 37°41'41


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# ASTRODIENST EPHEMERIS for the year 2988
# geocentric

## AUGUST 2988 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 20 42 43 | 10♌20'05 | 8♋30 | 3♌18 | 23♌ 5 | 4♎57 | 17♍ 8 | 23°R38 | 5°R47 | 16°R58 | 12°R49 | 26°R52 | 25♊ 6 | 17♍ 3 | 5°R48 | F 1 |
| S 2 | 20 46 39 | 11°17'23 | 20°55 | 5°26 | 24°19 | 5°32 | 17°20 | 23♐36 | 5♐46 | 16♒56 | 12♐48 | 26♊50 | 25° 2 | 17°10 | 5♐48 | S 2 |
| S 3 | 20 50 36 | 12°14'42 | 3♌10 | 7°33 | 25°32 | 6° 8 | 17°32 | 23°34 | 5°46 | 16°55 | 12°48 | 26°45 | 24°59 | 17°16 | 5°48 | S 3 |
| M 4 | 20 54 32 | 13°12'01 | 15°18 | 9°42 | 26°46 | 6°44 | 17°43 | 23°32 | 5°45 | 16°53 | 12°47 | 26°38 | 24°56 | 17°23 | 5°D48 | M 4 |
| T 5 | 20 58 29 | 14° 9'21 | 27°19 | 11°50 | 28° 0 | 7°20 | 17°55 | 23°30 | 5°45 | 16°51 | 12°46 | 26°30 | 24°53 | 17°30 | 5°48 | T 5 |
| W 6 | 21 2 25 | 15° 6'41 | 9♍15 | 13°58 | 29°13 | 7°56 | 18° 7 | 23°28 | 5°45 | 16°50 | 12°46 | 26°21 | 24°50 | 17°37 | 5°48 | W 6 |
| T 7 | 21 6 22 | 16° 4'01 | 21° 7 | 16° 5 | 0♍27 | 8°32 | 18°19 | 23°26 | 5°44 | 16°48 | 12°45 | 26°12 | 24°47 | 17°43 | 5°48 | T 7 |
| F 8 | 21 10 18 | 17° 1'22 | 2♎59 | 18°12 | 1°41 | 9° 8 | 18°31 | 23°24 | 5°44 | 16°47 | 12°45 | 26° 3 | 24°43 | 17°50 | 5°48 | F 8 |
| S 9 | 21 14 15 | 17°58'43 | 14°51 | 20°18 | 2°55 | 9°44 | 18°43 | 23°22 | 5°44 | 16°45 | 12°44 | 25°57 | 24°40 | 17°57 | 5°49 | S 9 |
| S 10 | 21 18 11 | 18°56'05 | 26°49 | 22°23 | 4° 8 | 10°21 | 18°55 | 23°21 | 5°44 | 16°43 | 12°44 | 25°52 | 24°37 | 18° 3 | 5°49 | S 10 |
| M11 | 21 22 8 | 19°53'26 | 8♏56 | 24°26 | 5°22 | 10°57 | 19° 7 | 23°19 | 5°43 | 16°42 | 12°44 | 25°50 | 24°34 | 18°10 | 5°50 | M11 |
| T 12 | 21 26 5 | 20°50'49 | 21°16 | 26°29 | 6°35 | 11°33 | 19°19 | 23°18 | 5°43 | 16°40 | 12°43 | 25°D49 | 24°31 | 18°17 | 5°51 | T 12 |
| W13 | 21 30 1 | 21°48'12 | 3♐55 | 28°30 | 7°49 | 12°10 | 19°31 | 23°17 | 5°D43 | 16°38 | 12°43 | 25°49 | 24°27 | 18°24 | 5°51 | W13 |
| T 14 | 21 33 58 | 22°45'35 | 16°56 | 0♍29 | 9° 3 | 12°46 | 19°43 | 23°15 | 5°43 | 16°37 | 12°43 | 25°50 | 24°24 | 18°30 | 5°52 | T 14 |
| F 15 | 21 37 54 | 23°42'58 | 0♑24 | 2°27 | 10°16 | 13°23 | 19°56 | 23°14 | 5°43 | 16°35 | 12°42 | 25°R50 | 24°21 | 18°37 | 5°53 | F 15 |
| S 16 | 21 41 51 | 24°40'23 | 14°20 | 4°23 | 11°30 | 14° 0 | 20° 8 | 23°13 | 5°44 | 16°34 | 12°42 | 25°49 | 24°18 | 18°44 | 5°55 | S 16 |
| S 17 | 21 45 47 | 25°37'48 | 28°45 | 6°18 | 12°44 | 14°36 | 20°20 | 23°12 | 5°44 | 16°32 | 12°42 | 25°45 | 24°15 | 18°51 | 5°56 | S 17 |
| M18 | 21 49 44 | 26°35'13 | 13♒34 | 8°11 | 13°57 | 15°13 | 20°33 | 23°12 | 5°44 | 16°30 | 12°42 | 25°40 | 24°12 | 18°57 | 5°57 | M18 |
| T 19 | 21 53 41 | 27°32'39 | 28°41 | 10° 2 | 15°11 | 15°50 | 20°45 | 23°11 | 5°44 | 16°29 | 12°42 | 25°32 | 24° 8 | 19° 4 | 5°59 | T 19 |
| W20 | 21 57 37 | 28°30'06 | 13♓55 | 11°52 | 16°24 | 16°27 | 20°57 | 23°10 | 5°45 | 16°27 | 12°42 | 25°23 | 24° 5 | 19°11 | 6° 0 | W20 |
| T 21 | 22 1 34 | 29°27'34 | 29° 7 | 13°41 | 17°38 | 17° 4 | 21°10 | 23°10 | 5°45 | 16°26 | 12°42 | 25°14 | 24° 2 | 19°17 | 6° 2 | T 21 |
| F 22 | 22 5 30 | 0♍25'04 | 14♈ 6 | 15°27 | 18°52 | 17°41 | 21°22 | 23° 9 | 5°46 | 16°24 | 12°D42 | 25° 6 | 23°59 | 19°24 | 6° 4 | F 22 |
| S 23 | 22 9 27 | 1°22'34 | 28°43 | 17°13 | 20° 5 | 18°18 | 21°35 | 23° 9 | 5°46 | 16°23 | 12°42 | 25° 0 | 23°56 | 19°31 | 6° 5 | S 23 |
| S 24 | 22 13 23 | 2°20'05 | 12♉55 | 18°56 | 21°19 | 18°56 | 21°48 | 23° 9 | 5°47 | 16°21 | 12°42 | 24°56 | 23°53 | 19°38 | 6° 7 | S 24 |
| M25 | 22 17 20 | 3°17'38 | 26°40 | 20°38 | 22°32 | 19°33 | 22° 0 | 23° 8 | 5°47 | 16°19 | 12°42 | 24°55 | 23°49 | 19°44 | 6° 9 | M25 |
| T 26 | 22 21 16 | 4°15'13 | 10♊ 0 | 22°19 | 23°46 | 20°10 | 22°13 | 23°D 8 | 5°48 | 16°18 | 12°42 | 24°D55 | 23°46 | 19°51 | 6°11 | T 26 |
| W27 | 22 25 13 | 5°12'49 | 22°58 | 23°58 | 24°59 | 20°48 | 22°25 | 23° 8 | 5°49 | 16°16 | 12°42 | 24°R55 | 23°43 | 19°58 | 6°14 | W27 |
| T 28 | 22 29 9 | 6°10'26 | 5♋36 | 25°35 | 26°13 | 21°25 | 22°38 | 23° 8 | 5°49 | 16°15 | 12°42 | 24°54 | 23°40 | 20° 4 | 6°16 | T 28 |
| F 29 | 22 33 6 | 7° 8'04 | 18° 0 | 27°11 | 27°26 | 22° 3 | 22°51 | 23° 9 | 5°50 | 16°13 | 12°42 | 24°52 | 23°37 | 20°11 | 6°18 | F 29 |
| S 30 | 22 37 3 | 8° 5'44 | 0♌13 | 28°45 | 28°40 | 22°41 | 23° 4 | 23° 9 | 5°51 | 16°12 | 12°43 | 24°48 | 23°33 | 20°18 | 6°21 | S 30 |
| S 31 | 22 40 59 | 9♍ 3'25 | 12♌18 | 0♎18 | 29♍53 | 23♎18 | 23♍16 | 23♐ 9 | 5♐52 | 16♒10 | 12♐43 | 24♊40 | 23♊30 | 20♍25 | 6♐24 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 17n33 | 24n 5 | 1n 2 | 20n21 | 1n 4 | 15n 5 | 1n25 | 1s27 | 0n33 | 5n57 | 0n58 | 21s40 | 1n29 | 21s 0 | 0n 9 | 15s30 | 0n11 | 8s59 | 13n20 | 23n16 | 23n13 | 9n47 | 16s15 | 4n59 | F 1 |
| S 2 | 17 18 | 23 46 | 2 6 | 19 58 | 1 12 | 14 42 | 1 26 | 1 41 | 0 33 | 5 52 | 0 58 | 21 40 | 1 29 | 21 0 | 0 9 | 15 30 | 0 11 | 8 59 | 13 20 | 23 16 | 23 13 | 9 44 | 16 15 | 4 59 | S 2 |
| S 3 | 17 2 | 22 19 | 3 3 | 19 33 | 1 19 | 14 18 | 1 26 | 1 56 | 0 32 | 5 48 | 0 58 | 21 40 | 1 29 | 21 0 | 0 9 | 15 31 | 0 11 | 8 59 | 13 19 | 23 16 | 23 13 | 9 42 | 16 15 | 4 59 | S 3 |
| M 4 | 16 46 | 19 50 | 3 51 | 19 5 | 1 25 | 13 53 | 1 27 | 2 11 | 0 31 | 5 43 | 0 58 | 21 40 | 1 29 | 21 0 | 0 9 | 15 31 | 0 11 | 9 0 | 13 19 | 23 16 | 23 13 | 9 39 | 16 15 | 4 59 | M 4 |
| T 5 | 16 30 | 16 32 | 4 28 | 18 36 | 1 30 | 13 29 | 1 28 | 2 26 | 0 30 | 5 39 | 0 58 | 21 41 | 1 29 | 21 0 | 0 9 | 15 32 | 0 11 | 9 0 | 13 18 | 23 16 | 23 13 | 9 37 | 16 16 | 4 58 | T 5 |
| W 6 | 16 13 | 12 35 | 4 53 | 18 4 | 1 35 | 13 3 | 1 28 | 2 41 | 0 29 | 5 34 | 0 58 | 21 41 | 1 29 | 21 0 | 0 9 | 15 32 | 0 11 | 9 1 | 13 18 | 23 16 | 23 13 | 9 34 | 16 16 | 4 58 | W 6 |
| T 7 | 15 56 | 8 10 | 5 5 | 17 30 | 1 39 | 12 38 | 1 28 | 2 56 | 0 29 | 5 29 | 0 58 | 21 41 | 1 28 | 21 0 | 0 9 | 15 33 | 0 11 | 9 1 | 13 17 | 23 15 | 23 13 | 9 32 | 16 16 | 4 58 | T 7 |
| F 8 | 15 39 | 3 28 | 5 4 | 16 54 | 1 41 | 12 12 | 1 29 | 3 11 | 0 28 | 5 25 | 0 58 | 21 41 | 1 28 | 21 0 | 0 9 | 15 33 | 0 11 | 9 1 | 13 17 | 23 15 | 23 12 | 9 29 | 16 16 | 4 58 | F 8 |
| S 9 | 15 22 | 1s22 | 4 50 | 16 17 | 1 44 | 11 46 | 1 29 | 3 25 | 0 27 | 5 20 | 0 58 | 21 41 | 1 28 | 21 0 | 0 9 | 15 34 | 0 11 | 9 2 | 13 16 | 23 15 | 23 12 | 9 27 | 16 17 | 4 57 | S 9 |
| S 10 | 15 4 | 6 11 | 4 23 | 15 38 | 1 45 | 11 20 | 1 29 | 3 40 | 0 26 | 5 15 | 0 58 | 21 41 | 1 28 | 21 0 | 0 9 | 15 34 | 0 11 | 9 2 | 13 16 | 23 15 | 23 12 | 9 24 | 16 17 | 4 57 | S 10 |
| M11 | 14 46 | 10 51 | 3 44 | 14 58 | 1 46 | 10 53 | 1 29 | 3 55 | 0 26 | 5 11 | 0 58 | 21 41 | 1 28 | 21 0 | 0 9 | 15 35 | 0 11 | 9 3 | 13 15 | 23 15 | 23 12 | 9 22 | 16 18 | 4 57 | M11 |
| T 12 | 14 28 | 15 11 | 2 54 | 14 17 | 1 46 | 10 26 | 1 29 | 4 10 | 0 25 | 5 6 | 0 58 | 21 41 | 1 27 | 21 0 | 0 9 | 15 35 | 0 11 | 9 3 | 13 15 | 23 15 | 23 12 | 9 19 | 16 18 | 4 56 | T 12 |
| W13 | 14 10 | 18 56 | 1 55 | 13 35 | 1 45 | 9 59 | 1 29 | 4 25 | 0 24 | 5 1 | 0 58 | 21 41 | 1 27 | 21 0 | 0 9 | 15 36 | 0 11 | 9 4 | 13 14 | 23 15 | 23 12 | 9 17 | 16 18 | 4 56 | W13 |
| T 14 | 13 51 | 21 53 | 0 48 | 12 52 | 1 44 | 9 31 | 1 29 | 4 40 | 0 23 | 4 56 | 0 58 | 21 42 | 1 27 | 21 0 | 0 9 | 15 36 | 0 11 | 9 4 | 13 14 | 23 15 | 23 12 | 9 14 | 16 19 | 4 56 | T 14 |
| F 15 | 13 33 | 23 43 | 0s24 | 12 8 | 1 42 | 9 3 | 1 29 | 4 55 | 0 22 | 4 51 | 0 58 | 21 42 | 1 27 | 21 0 | 0 9 | 15 37 | 0 11 | 9 5 | 13 13 | 23 15 | 23 12 | 9 12 | 16 19 | 4 55 | F 15 |
| S 16 | 13 14 | 24 9 | 1 37 | 11 24 | 1 39 | 8 35 | 1 29 | 5 9 | 0 22 | 4 47 | 0 58 | 21 42 | 1 27 | 21 0 | 0 9 | 15 37 | 0 11 | 9 5 | 13 13 | 23 15 | 23 11 | 9 9 | 16 20 | 4 55 | S 16 |
| S 17 | 12 55 | 23 1 | 2 46 | 10 39 | 1 36 | 8 7 | 1 29 | 5 24 | 0 21 | 4 42 | 0 58 | 21 42 | 1 26 | 21 0 | 0 9 | 15 38 | 0 11 | 9 6 | 13 12 | 23 15 | 23 11 | 9 6 | 16 20 | 4 55 | S 17 |
| M18 | 12 35 | 20 16 | 3 46 | 9 54 | 1 33 | 7 38 | 1 28 | 5 39 | 0 20 | 4 37 | 0 58 | 21 42 | 1 26 | 21 0 | 0 9 | 15 38 | 0 11 | 9 6 | 13 12 | 23 14 | 23 11 | 9 4 | 16 21 | 4 55 | M18 |
| T 19 | 12 16 | 16 6 | 4 31 | 9 8 | 1 29 | 7 10 | 1 28 | 5 54 | 0 20 | 4 32 | 0 58 | 21 42 | 1 26 | 21 0 | 0 9 | 15 39 | 0 11 | 9 7 | 13 11 | 23 14 | 23 11 | 9 1 | 16 21 | 4 54 | T 19 |
| W20 | 11 56 | 10 52 | 4 57 | 8 22 | 1 24 | 6 41 | 1 27 | 6 9 | 0 19 | 4 27 | 0 58 | 21 43 | 1 26 | 21 0 | 0 9 | 15 39 | 0 11 | 9 7 | 13 11 | 23 14 | 23 11 | 8 59 | 16 22 | 4 54 | W20 |
| T 21 | 11 36 | 4 59 | 5 3 | 7 36 | 1 19 | 6 12 | 1 27 | 6 24 | 0 18 | 4 22 | 0 58 | 21 43 | 1 26 | 21 0 | 0 9 | 15 40 | 0 11 | 9 8 | 13 10 | 23 14 | 23 11 | 8 56 | 16 22 | 4 54 | T 21 |
| F 22 | 11 16 | 1n 7 | 4 47 | 6 50 | 1 14 | 5 43 | 1 26 | 6 38 | 0 17 | 4 17 | 0 58 | 21 43 | 1 25 | 21 1 | 0 9 | 15 40 | 0 11 | 9 8 | 13 10 | 23 13 | 23 11 | 8 54 | 16 23 | 4 53 | F 22 |
| S 23 | 10 56 | 7 1 | 4 13 | 6 4 | 1 8 | 5 13 | 1 26 | 6 53 | 0 17 | 4 12 | 0 58 | 21 43 | 1 25 | 21 1 | 0 9 | 15 41 | 0 11 | 9 9 | 13 9 | 23 13 | 23 10 | 8 51 | 16 24 | 4 53 | S 23 |
| S 24 | 10 35 | 12 24 | 3 24 | 5 18 | 1 2 | 4 44 | 1 25 | 7 8 | 0 16 | 4 7 | 0 58 | 21 43 | 1 25 | 21 1 | 0 9 | 15 41 | 0 11 | 9 9 | 13 9 | 23 13 | 23 10 | 8 48 | 16 24 | 4 53 | S 24 |
| M25 | 10 15 | 16 58 | 2 24 | 4 33 | 0 55 | 4 14 | 1 24 | 7 23 | 0 15 | 4 2 | 0 58 | 21 43 | 1 25 | 21 1 | 0 9 | 15 41 | 0 11 | 9 10 | 13 8 | 23 13 | 23 10 | 8 46 | 16 25 | 4 53 | M25 |
| T 26 | 9 54 | 20 32 | 1 18 | 3 47 | 0 49 | 3 44 | 1 23 | 7 37 | 0 14 | 3 57 | 0 58 | 21 44 | 1 25 | 21 1 | 0 9 | 15 42 | 0 11 | 9 10 | 13 8 | 23 13 | 23 10 | 8 43 | 16 26 | 4 52 | T 26 |
| W27 | 9 33 | 22 57 | 0 10 | 3 1 | 0 42 | 3 14 | 1 22 | 7 52 | 0 14 | 3 52 | 0 58 | 21 44 | 1 24 | 21 1 | 0 9 | 15 42 | 0 11 | 9 11 | 13 7 | 23 13 | 23 10 | 8 41 | 16 26 | 4 52 | W27 |
| T 28 | 9 12 | 24 8 | 0n56 | 2 16 | 0 34 | 2 44 | 1 21 | 8 7 | 0 13 | 3 47 | 0 58 | 21 44 | 1 24 | 21 1 | 0 9 | 15 43 | 0 11 | 9 11 | 13 7 | 23 13 | 23 10 | 8 38 | 16 27 | 4 52 | T 28 |
| F 29 | 8 51 | 24 5 | 1 59 | 1 31 | 0 27 | 2 14 | 1 20 | 8 21 | 0 12 | 3 42 | 0 58 | 21 44 | 1 24 | 21 2 | 0 9 | 15 43 | 0 11 | 9 12 | 13 6 | 23 13 | 23 9 | 8 36 | 16 28 | 4 51 | F 29 |
| S 30 | 8 29 | 22 51 | 2 55 | 0 47 | 0 19 | 1 44 | 1 19 | 8 36 | 0 12 | 3 37 | 0 58 | 21 45 | 1 24 | 21 2 | 0 9 | 15 44 | 0 11 | 9 12 | 13 6 | 23 13 | 23 9 | 8 33 | 16 28 | 4 51 | S 30 |
| S 31 | 8n 8 | 20n35 | 3n43 | 0n 3 | 0n11 | 1n14 | 1n18 | 8s50 | 0n11 | 3n32 | 0n58 | 21s45 | 1n24 | 21s 2 | 0n 8 | 15s44 | 0n10 | 9s13 | 13n 5 | 23n12 | 23n 9 | 8n30 | 16s29 | 4n51 | S 31 |

Julian Day Number = 2812617.5, Delta T = 53m38s
Ecliptic obliquity = 23°18'41, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°34'45, Lahiri = 37°41'45


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# ASTRODIENST EPHEMERIS for the year 2988
# geocentric

## SEPTEMBER 2988 — 00:00 UT

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

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7n46 | 17n27 | 4n20 | 0s41 | 0n 3 | 0n44 | 1n16 | 9s 5 | 0n10 | 3n27 | 0n58 | 21s45 | 1n23 | 21s 2 | 0n 8 | 15s45 | 0n10 | 9s13 | 13n 5 | 23n12 | 23n 9 | 8n28 | 16s30 | 4n51 |
| T 2 | 7 25 | 13 37 | 4 45 | 1 24 | 0s 6 | 0 13 | 1 15 | 9 19 | 0 9 | 3 22 | 0 58 | 21 45 | 1 23 | 21 2 | 0 8 | 15 45 | 0 10 | 9 14 | 13 4 | 23 11 | 23 9 | 8 25 | 16 30 | 4 50 |
| W 3 | 7 3 | 9 16 | 4 58 | 2 7 | 0 14 | 0s17 | 1 13 | 9 34 | 0 9 | 3 17 | 0 58 | 21 45 | 1 23 | 21 2 | 0 8 | 15 46 | 0 10 | 9 14 | 13 4 | 23 11 | 23 9 | 8 23 | 16 31 | 4 50 |
| T 4 | 6 41 | 4 35 | 4 58 | 2 49 | 0 23 | 0 47 | 1 12 | 9 48 | 0 8 | 3 12 | 0 58 | 21 46 | 1 23 | 21 3 | 0 8 | 15 46 | 0 10 | 9 15 | 13 3 | 23 10 | 23 9 | 8 20 | 16 32 | 4 50 |
| F 5 | 6 19 | 0s16 | 4 45 | 3 30 | 0 32 | 1 18 | 1 10 | 10 3 | 0 7 | 3 7 | 0 58 | 21 46 | 1 23 | 21 3 | 0 8 | 15 46 | 0 10 | 9 16 | 13 3 | 23 10 | 23 8 | 8 17 | 16 33 | 4 49 |
| S 6 | 5 57 | 5 8 | 4 20 | 4 11 | 0 40 | 1 48 | 1 9 | 10 17 | 0 7 | 3 2 | 0 58 | 21 46 | 1 22 | 21 3 | 0 8 | 15 47 | 0 10 | 9 16 | 13 2 | 23 9 | 23 8 | 8 15 | 16 34 | 4 49 |
| S 7 | 5 34 | 9 51 | 3 43 | 4 52 | 0 49 | 2 19 | 1 7 | 10 31 | 0 6 | 2 57 | 0 58 | 21 46 | 1 22 | 21 3 | 0 8 | 15 47 | 0 10 | 9 17 | 13 2 | 23 9 | 23 8 | 8 12 | 16 34 | 4 49 |
| M 8 | 5 12 | 14 15 | 2 55 | 5 31 | 0 58 | 2 49 | 1 5 | 10 45 | 0 5 | 2 52 | 0 58 | 21 47 | 1 22 | 21 4 | 0 8 | 15 48 | 0 10 | 9 17 | 13 1 | 23 8 | 23 8 | 8 9 | 16 35 | 4 49 |
| T 9 | 4 50 | 18 9 | 1 58 | 6 10 | 1 8 | 3 19 | 1 4 | 11 0 | 0 5 | 2 47 | 0 58 | 21 47 | 1 22 | 21 4 | 0 8 | 15 48 | 0 10 | 9 18 | 13 1 | 23 8 | 23 8 | 8 7 | 16 36 | 4 48 |
| W10 | 4 27 | 21 18 | 0 55 | 6 49 | 1 17 | 3 49 | 1 2 | 11 14 | 0 4 | 2 42 | 0 58 | 21 47 | 1 21 | 21 4 | 0 8 | 15 48 | 0 10 | 9 18 | 13 0 | 23 8 | 23 8 | 8 4 | 16 37 | 4 48 |
| T 11 | 4 4 | 23 28 | 0s13 | 7 26 | 1 26 | 4 20 | 1 0 | 11 28 | 0 3 | 2 37 | 0 58 | 21 48 | 1 21 | 21 4 | 0 8 | 15 49 | 0 10 | 9 19 | 13 0 | 23 8 | 23 7 | 8 2 | 16 38 | 4 48 |
| F 12 | 3 42 | 24 23 | 1 23 | 8 3 | 1 35 | 4 50 | 0 58 | 11 42 | 0 3 | 2 32 | 0 58 | 21 48 | 1 21 | 21 5 | 0 8 | 15 49 | 0 10 | 9 20 | 12 59 | 23 8 | 23 7 | 7 59 | 16 39 | 4 47 |
| S 13 | 3 19 | 23 51 | 2 30 | 8 38 | 1 44 | 5 20 | 0 56 | 11 56 | 0 2 | 2 26 | 0 58 | 21 48 | 1 21 | 21 5 | 0 8 | 15 50 | 0 10 | 9 20 | 12 59 | 23 8 | 23 7 | 7 56 | 16 39 | 4 47 |
| S 14 | 2 56 | 21 46 | 3 30 | 9 13 | 1 53 | 5 49 | 0 54 | 12 10 | 0 1 | 2 21 | 0 58 | 21 48 | 1 21 | 21 5 | 0 8 | 15 50 | 0 10 | 9 21 | 12 58 | 23 8 | 23 7 | 7 54 | 16 40 | 4 47 |
| M15 | 2 34 | 18 12 | 4 18 | 9 47 | 2 2 | 6 19 | 0 52 | 12 24 | 0 1 | 2 16 | 0 58 | 21 49 | 1 20 | 21 6 | 0 8 | 15 50 | 0 10 | 9 21 | 12 58 | 23 7 | 23 7 | 7 51 | 16 41 | 4 47 |
| T 16 | 2 11 | 13 22 | 4 49 | 10 20 | 2 11 | 6 49 | 0 49 | 12 37 | 0s 0 | 2 11 | 0 58 | 21 49 | 1 20 | 21 6 | 0 8 | 15 51 | 0 10 | 9 22 | 12 57 | 23 7 | 23 7 | 7 48 | 16 42 | 4 46 |
| W17 | 1 48 | 7 37 | 5 0 | 10 51 | 2 20 | 7 18 | 0 47 | 12 51 | 0 1 | 2 6 | 0 58 | 21 49 | 1 20 | 21 6 | 0 8 | 15 51 | 0 10 | 9 23 | 12 57 | 23 6 | 23 6 | 7 46 | 16 43 | 4 46 |
| T 18 | 1 25 | 1 25 | 4 50 | 11 22 | 2 29 | 7 48 | 0 45 | 13 5 | 0 1 | 2 1 | 0 58 | 21 50 | 1 20 | 21 6 | 0 8 | 15 51 | 0 10 | 9 23 | 12 56 | 23 6 | 23 6 | 7 43 | 16 44 | 4 46 |
| F 19 | 1 2 | 4n49 | 4 19 | 11 51 | 2 38 | 8 17 | 0 42 | 13 18 | 0 2 | 1 56 | 0 58 | 21 50 | 1 20 | 21 7 | 0 8 | 15 52 | 0 10 | 9 24 | 12 56 | 23 5 | 23 6 | 7 40 | 16 45 | 4 46 |
| S 20 | 0 39 | 10 39 | 3 31 | 12 19 | 2 46 | 8 46 | 0 40 | 13 32 | 0 3 | 1 51 | 0 58 | 21 50 | 1 19 | 21 7 | 0 8 | 15 52 | 0 10 | 9 24 | 12 55 | 23 5 | 23 6 | 7 38 | 16 46 | 4 45 |
| S 21 | 0 16 | 15 45 | 2 31 | 12 46 | 2 54 | 9 15 | 0 38 | 13 45 | 0 3 | 1 46 | 0 58 | 21 50 | 1 19 | 21 7 | 0 8 | 15 52 | 0 10 | 9 25 | 12 55 | 23 4 | 23 6 | 7 35 | 16 47 | 4 45 |
| M22 | 0s 7 | 19 48 | 1 24 | 13 11 | 3 2 | 9 44 | 0 35 | 13 59 | 0 4 | 1 41 | 0 58 | 21 51 | 1 19 | 21 8 | 0 8 | 15 53 | 0 10 | 9 26 | 12 54 | 23 4 | 23 5 | 7 32 | 16 48 | 4 45 |
| T 23 | 0 30 | 22 39 | 0 14 | 13 35 | 3 10 | 10 12 | 0 33 | 14 12 | 0 5 | 1 35 | 0 58 | 21 51 | 1 19 | 21 8 | 0 8 | 15 53 | 0 10 | 9 26 | 12 54 | 23 4 | 23 5 | 7 30 | 16 49 | 4 45 |
| W24 | 0 53 | 24 12 | 0n54 | 13 57 | 3 17 | 10 40 | 0 30 | 14 25 | 0 5 | 1 30 | 0 58 | 21 51 | 1 19 | 21 9 | 0 8 | 15 53 | 0 10 | 9 27 | 12 53 | 23 4 | 23 5 | 7 27 | 16 50 | 4 45 |
| T 25 | 1 16 | 24 26 | 1 58 | 14 17 | 3 24 | 11 8 | 0 27 | 14 38 | 0 6 | 1 25 | 0 58 | 21 52 | 1 19 | 21 9 | 0 8 | 15 54 | 0 10 | 9 27 | 12 53 | 23 4 | 23 5 | 7 24 | 16 50 | 4 44 |
| F 26 | 1 39 | 23 27 | 2 55 | 14 35 | 3 31 | 11 36 | 0 25 | 14 51 | 0 7 | 1 20 | 0 58 | 21 52 | 1 18 | 21 9 | 0 8 | 15 54 | 0 10 | 9 28 | 12 52 | 23 4 | 23 5 | 7 22 | 16 51 | 4 44 |
| S 27 | 2 2 | 21 23 | 3 43 | 14 51 | 3 37 | 12 4 | 0 22 | 15 4 | 0 7 | 1 15 | 0 58 | 21 52 | 1 18 | 21 10 | 0 8 | 15 54 | 0 10 | 9 29 | 12 52 | 23 4 | 23 5 | 7 19 | 16 52 | 4 44 |
| S 28 | 2 25 | 18 25 | 4 20 | 15 5 | 3 42 | 12 31 | 0 19 | 15 17 | 0 8 | 1 10 | 0 58 | 21 53 | 1 18 | 21 10 | 0 8 | 15 55 | 0 10 | 9 29 | 12 51 | 23 3 | 23 4 | 7 16 | 16 53 | 4 44 |
| M29 | 2 48 | 14 42 | 4 46 | 15 17 | 3 47 | 12 58 | 0 17 | 15 30 | 0 9 | 1 5 | 0 59 | 21 53 | 1 18 | 21 11 | 0 8 | 15 55 | 0 10 | 9 30 | 12 51 | 23 3 | 23 4 | 7 14 | 16 54 | 4 43 |
| T 30 | 3s11 | 10n26 | 4n59 | 15s26 | 3s51 | 13s25 | 0n14 | 15s43 | 0s 9 | 1n 0 | 0n59 | 21s53 | 1n18 | 21s11 | 0n 8 | 15s55 | 0n10 | 9s30 | 12n50 | 23n 2 | 23n 4 | 7n11 | 16s55 | 4n43 |

Julian Day Number = 2812648.5, Delta T = 53m39s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°34'49, Lahiri = 37°41'49


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# ASTRODIENST EPHEMERIS for the year 2988
# geocentric

## OCTOBER 2988 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 0 43 12 | 9♎ 3'04 | 26♍59 | 1♏18 | 7♏45 | 13♏21 | 29♍58 | 24♐10 | 6♐44 | 15°R34 | 13♐ 8 | 21°R11 | 21♊52 | 23♍53 | 8♐29 | W 1 |
| T 2 | 0 47 9 | 10° 1'34 | 8♎52 | 1°R21 | 8°58 | 14° 1 | 0♎11 | 24°13 | 6°47 | 15♒33 | 13° 9 | 20♊58 | 21°49 | 24° 0 | 8°34 | T 2 |
| F 3 | 0 51 5 | 11° 0'07 | 20°49 | 1°18 | 10°11 | 14°41 | 0°23 | 24°17 | 6°49 | 15°33 | 13°11 | 20°45 | 21°45 | 24° 7 | 8°39 | F 3 |
| S 4 | 0 55 2 | 11°58'42 | 2♏50 | 1° 8 | 11°25 | 15°21 | 0°36 | 24°20 | 6°52 | 15°32 | 13°12 | 20°35 | 21°42 | 24°13 | 8°45 | S 4 |
| S 5 | 0 58 58 | 12°57'18 | 14°57 | 0°51 | 12°38 | 16° 1 | 0°49 | 24°24 | 6°54 | 15°31 | 13°13 | 20°27 | 21°39 | 24°20 | 8°50 | S 5 |
| M 6 | 1 2 55 | 13°55'56 | 27°12 | 0°26 | 13°50 | 16°41 | 1° 2 | 24°27 | 6°57 | 15°30 | 13°15 | 20°22 | 21°36 | 24°27 | 8°56 | M 6 |
| T 7 | 1 6 52 | 14°54'36 | 9♐38 | 29♎55 | 15° 3 | 17°21 | 1°15 | 24°31 | 7° 0 | 15°30 | 13°16 | 20°19 | 21°33 | 24°33 | 9° 2 | T 7 |
| W 8 | 1 10 48 | 15°53'17 | 22°17 | 29°17 | 16°16 | 18° 1 | 1°28 | 24°35 | 7° 2 | 15°29 | 13°18 | 20°D19 | 21°30 | 24°40 | 9° 7 | W 8 |
| T 9 | 1 14 45 | 16°52'01 | 5♑13 | 28°31 | 17°29 | 18°41 | 1°40 | 24°39 | 7° 5 | 15°29 | 13°19 | 20°19 | 21°26 | 24°47 | 9°13 | T 9 |
| F 10 | 1 18 41 | 17°50'45 | 18°30 | 27°40 | 18°42 | 19°22 | 1°53 | 24°43 | 7° 8 | 15°28 | 13°21 | 20°R20 | 21°23 | 24°54 | 9°19 | F 10 |
| S 11 | 1 22 38 | 18°49'32 | 2♒11 | 26°43 | 19°55 | 20° 2 | 2° 6 | 24°47 | 7°10 | 15°28 | 13°22 | 20°19 | 21°20 | 25° 0 | 9°25 | S 11 |
| S 12 | 1 26 34 | 19°48'20 | 16°17 | 25°41 | 21° 8 | 20°43 | 2°19 | 24°51 | 7°13 | 15°27 | 13°24 | 20°16 | 21°17 | 25° 7 | 9°31 | S 12 |
| M13 | 1 30 31 | 20°47'10 | 0♓48 | 24°35 | 22°21 | 21°23 | 2°31 | 24°56 | 7°16 | 15°27 | 13°25 | 20°11 | 21°14 | 25°14 | 9°37 | M13 |
| T 14 | 1 34 27 | 21°46'01 | 15°40 | 23°28 | 23°34 | 22° 4 | 2°44 | 25° 0 | 7°19 | 15°26 | 13°27 | 20° 4 | 21°10 | 25°20 | 9°43 | T 14 |
| W15 | 1 38 24 | 22°44'54 | 0♈46 | 22°20 | 24°46 | 22°45 | 2°56 | 25° 4 | 7°22 | 15°26 | 13°29 | 19°56 | 21° 7 | 25°27 | 9°49 | W15 |
| T 16 | 1 42 21 | 23°43'49 | 15°57 | 21°14 | 25°59 | 23°25 | 3° 9 | 25° 9 | 7°25 | 15°25 | 13°30 | 19°47 | 21° 4 | 25°34 | 9°55 | T 16 |
| F 17 | 1 46 17 | 24°42'46 | 1♉ 3 | 20°11 | 27°12 | 24° 6 | 3°22 | 25°14 | 7°28 | 15°25 | 13°32 | 19°39 | 21° 1 | 25°41 | 10° 2 | F 17 |
| S 18 | 1 50 14 | 25°41'44 | 15°53 | 19°13 | 28°24 | 24°47 | 3°34 | 25°18 | 7°31 | 15°25 | 13°34 | 19°33 | 20°58 | 25°47 | 10° 8 | S 18 |
| S 19 | 1 54 10 | 26°40'45 | 0♊20 | 18°21 | 29°37 | 25°28 | 3°47 | 25°23 | 7°34 | 15°25 | 13°36 | 19°29 | 20°55 | 25°54 | 10°14 | S 19 |
| M20 | 1 58 7 | 27°39'49 | 14°20 | 17°37 | 0♐50 | 26° 9 | 3°59 | 25°28 | 7°37 | 15°24 | 13°37 | 19°D28 | 20°51 | 26° 1 | 10°21 | M20 |
| T 21 | 2 2 3 | 28°38'54 | 27°51 | 17° 3 | 2° 2 | 26°50 | 4°11 | 25°33 | 7°40 | 15°24 | 13°39 | 19°28 | 20°48 | 26° 8 | 10°27 | T 21 |
| W22 | 2 6 0 | 29°38'02 | 10♋55 | 16°38 | 3°15 | 27°31 | 4°24 | 25°37 | 7°43 | 15°24 | 13°41 | 19°29 | 20°45 | 26°14 | 10°34 | W22 |
| T 23 | 2 9 56 | 0♏37'12 | 23°36 | 16°24 | 4°28 | 28°12 | 4°36 | 25°42 | 7°46 | 15°24 | 13°43 | 19°30 | 20°42 | 26°21 | 10°40 | T 23 |
| F 24 | 2 13 53 | 1°36'24 | 5♌58 | 16°D20 | 5°40 | 28°54 | 4°48 | 25°47 | 7°49 | 15°24 | 13°45 | 19°R30 | 20°39 | 26°28 | 10°47 | F 24 |
| S 25 | 2 17 50 | 2°35'38 | 18° 5 | 16°28 | 6°53 | 29°35 | 5° 0 | 25°53 | 7°52 | 15°24 | 13°47 | 19°29 | 20°36 | 26°34 | 10°54 | S 25 |
| S 26 | 2 21 46 | 3°34'55 | 0♍ 3 | 16°46 | 8° 5 | 0♐16 | 5°13 | 25°58 | 7°56 | 15°24 | 13°49 | 19°25 | 20°32 | 26°41 | 11° 0 | S 26 |
| M27 | 2 25 43 | 4°34'14 | 11°56 | 17°13 | 9°18 | 0°58 | 5°25 | 26° 3 | 7°59 | 15°D24 | 13°51 | 19°20 | 20°29 | 26°48 | 11° 7 | M27 |
| T 28 | 2 29 39 | 5°33'35 | 23°47 | 17°51 | 10°30 | 1°39 | 5°37 | 26° 8 | 8° 2 | 15°24 | 13°53 | 19°13 | 20°26 | 26°55 | 11°14 | T 28 |
| W29 | 2 33 36 | 6°32'58 | 5♎40 | 18°37 | 11°43 | 2°21 | 5°49 | 26°14 | 8° 5 | 15°24 | 13°55 | 19° 5 | 20°23 | 27° 1 | 11°21 | W29 |
| T 30 | 2 37 32 | 7°32'23 | 17°38 | 19°31 | 12°55 | 3° 3 | 6° 1 | 26°19 | 8° 9 | 15°24 | 13°57 | 18°57 | 20°20 | 27° 8 | 11°28 | T 30 |
| F 31 | 2 41 29 | 8♏31'50 | 29♎41 | 20♎32 | 14♐ 7 | 3♐44 | 6♎13 | 26♐25 | 8♐12 | 15♒24 | 13♐59 | 18♊49 | 20♊16 | 27♍15 | 11♐34 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 3s34 | 5n46 | 4n59 | 15s32 | 3s54 | 13s51 | 0n11 | 15s55 | 0s10 | 0n55 | 0n59 | 21s54 | 1n17 | 21s11 | 0n 8 | 15s55 | 0n10 | 9s31 | 12n50 | 23n 1 | 23n 4 | 7n 8 | 16s56 | 4n43 |
| T 2 | 3 57 | 0 54 | 4 46 | 15 35 | 3 57 | 14 17 | 0 8 | 16 8 | 0 10 | 0 50 | 0 59 | 21 54 | 1 17 | 21 12 | 0 8 | 15 56 | 0 10 | 9 32 | 12 49 | 23 0 | 23 4 | 7 6 | 16 57 | 4 43 |
| F 3 | 4 20 | 4s 3 | 4 21 | 15 35 | 3 58 | 14 43 | 0 5 | 16 20 | 0 11 | 0 45 | 0 59 | 21 54 | 1 17 | 21 12 | 0 8 | 15 56 | 0 10 | 9 32 | 12 49 | 22 59 | 23 3 | 7 3 | 16 58 | 4 43 |
| S 4 | 4 43 | 8 53 | 3 44 | 15 31 | 3 58 | 15 8 | 0 2 | 16 32 | 0 12 | 0 40 | 0 59 | 21 55 | 1 17 | 21 13 | 0 8 | 15 56 | 0 10 | 9 33 | 12 48 | 22 59 | 23 3 | 7 0 | 16 59 | 4 42 |
| S 5 | 5 5 | 13 26 | 2 56 | 15 24 | 3 57 | 15 33 | 0s 0 | 16 44 | 0 12 | 0 35 | 0 59 | 21 55 | 1 17 | 21 13 | 0 8 | 15 56 | 0 10 | 9 33 | 12 48 | 22 58 | 23 3 | 6 58 | 17 0 | 4 42 |
| M 6 | 5 28 | 17 29 | 2 0 | 15 13 | 3 54 | 15 58 | 0 3 | 16 56 | 0 13 | 0 30 | 0 59 | 21 55 | 1 16 | 21 13 | 0 8 | 15 57 | 0 10 | 9 34 | 12 48 | 22 58 | 23 3 | 6 55 | 17 1 | 4 42 |
| T 7 | 5 51 | 20 51 | 0 57 | 14 58 | 3 50 | 16 22 | 0 6 | 17 8 | 0 14 | 0 25 | 0 59 | 21 56 | 1 16 | 21 14 | 0 8 | 15 57 | 0 10 | 9 35 | 12 47 | 22 58 | 23 3 | 6 52 | 17 2 | 4 42 |
| W 8 | 6 13 | 23 16 | 0s10 | 14 39 | 3 44 | 16 46 | 0 9 | 17 20 | 0 14 | 0 20 | 0 59 | 21 56 | 1 16 | 21 14 | 0 8 | 15 57 | 0 10 | 9 35 | 12 47 | 22 58 | 23 2 | 6 50 | 17 3 | 4 42 |
| T 9 | 6 36 | 24 31 | 1 19 | 14 16 | 3 36 | 17 10 | 0 12 | 17 32 | 0 15 | 0 15 | 0 59 | 21 56 | 1 16 | 21 15 | 0 8 | 15 57 | 0 10 | 9 36 | 12 46 | 22 58 | 23 2 | 6 47 | 17 4 | 4 42 |
| F 10 | 6 58 | 24 26 | 2 24 | 13 48 | 3 27 | 17 33 | 0 15 | 17 43 | 0 15 | 0 10 | 0 59 | 21 57 | 1 16 | 21 15 | 0 8 | 15 57 | 0 10 | 9 36 | 12 46 | 22 58 | 23 2 | 6 44 | 17 5 | 4 41 |
| S 11 | 7 20 | 22 53 | 3 24 | 13 17 | 3 15 | 17 55 | 0 18 | 17 55 | 0 16 | 0 5 | 0 59 | 21 57 | 1 16 | 21 16 | 0 8 | 15 57 | 0 10 | 9 37 | 12 45 | 22 58 | 23 2 | 6 41 | 17 6 | 4 41 |
| S 12 | 7 42 | 19 54 | 4 13 | 12 42 | 3 2 | 18 18 | 0 22 | 18 6 | 0 17 | 0s 0 | 0 59 | 21 57 | 1 15 | 21 16 | 0 8 | 15 58 | 0 10 | 9 38 | 12 45 | 22 57 | 23 2 | 6 39 | 17 7 | 4 41 |
| M13 | 8 4 | 15 37 | 4 48 | 12 4 | 2 47 | 18 39 | 0 25 | 18 17 | 0 17 | 0 5 | 0 59 | 21 58 | 1 15 | 21 17 | 0 8 | 15 58 | 0 10 | 9 38 | 12 45 | 22 57 | 23 1 | 6 36 | 17 8 | 4 41 |
| T 14 | 8 26 | 10 18 | 5 4 | 11 24 | 2 30 | 19 1 | 0 28 | 18 28 | 0 18 | 0 10 | 1 0 | 21 58 | 1 15 | 21 17 | 0 8 | 15 58 | 0 10 | 9 39 | 12 44 | 22 57 | 23 1 | 6 33 | 17 9 | 4 41 |
| W15 | 8 48 | 4 17 | 4 59 | 10 42 | 2 12 | 19 21 | 0 31 | 18 39 | 0 18 | 0 15 | 1 0 | 21 58 | 1 15 | 21 18 | 0 8 | 15 58 | 0 10 | 9 39 | 12 44 | 22 56 | 23 1 | 6 31 | 17 10 | 4 41 |
| T 16 | 9 10 | 2n 1 | 4 34 | 9 59 | 1 53 | 19 42 | 0 34 | 18 50 | 0 19 | 0 20 | 1 0 | 21 59 | 1 15 | 21 18 | 0 8 | 15 58 | 0 10 | 9 40 | 12 43 | 22 55 | 23 1 | 6 28 | 17 12 | 4 41 |
| F 17 | 9 31 | 8 11 | 3 49 | 9 17 | 1 33 | 20 2 | 0 37 | 19 1 | 0 20 | 0 25 | 1 0 | 21 59 | 1 15 | 21 19 | 0 8 | 15 58 | 0 10 | 9 41 | 12 43 | 22 55 | 23 1 | 6 25 | 17 13 | 4 40 |
| S 18 | 9 53 | 13 47 | 2 50 | 8 36 | 1 13 | 20 21 | 0 40 | 19 11 | 0 20 | 0 30 | 1 0 | 21 59 | 1 14 | 21 19 | 0 8 | 15 58 | 0 10 | 9 41 | 12 43 | 22 54 | 23 0 | 6 22 | 17 14 | 4 40 |
| S 19 | 10 14 | 18 28 | 1 41 | 7 58 | 0 52 | 20 40 | 0 43 | 19 22 | 0 21 | 0 34 | 1 0 | 22 0 | 1 14 | 21 20 | 0 8 | 15 58 | 0 10 | 9 42 | 12 42 | 22 54 | 23 0 | 6 20 | 17 15 | 4 40 |
| M20 | 10 35 | 21 56 | 0 28 | 7 22 | 0 32 | 20 58 | 0 46 | 19 32 | 0 21 | 0 39 | 1 0 | 22 0 | 1 14 | 21 20 | 0 8 | 15 59 | 0 10 | 9 42 | 12 42 | 22 54 | 23 0 | 6 17 | 17 16 | 4 40 |
| T 21 | 10 56 | 24 3 | 0n45 | 6 51 | 0 12 | 21 16 | 0 49 | 19 42 | 0 22 | 0 44 | 1 0 | 22 0 | 1 14 | 21 21 | 0 8 | 15 59 | 0 10 | 9 43 | 12 41 | 22 54 | 23 0 | 6 14 | 17 17 | 4 40 |
| W22 | 11 17 | 24 44 | 1 53 | 6 24 | 0n 7 | 21 33 | 0 52 | 19 52 | 0 23 | 0 49 | 1 0 | 22 1 | 1 14 | 21 21 | 0 8 | 15 59 | 0 10 | 9 43 | 12 41 | 22 54 | 22 59 | 6 11 | 17 18 | 4 40 |
| T 23 | 11 38 | 24 6 | 2 53 | 6 2 | 0 24 | 21 49 | 0 55 | 20 2 | 0 23 | 0 54 | 1 0 | 22 1 | 1 14 | 21 22 | 0 8 | 15 59 | 0 10 | 9 44 | 12 41 | 22 54 | 22 59 | 6 9 | 17 19 | 4 40 |
| F 24 | 11 58 | 22 18 | 3 44 | 5 46 | 0 41 | 22 5 | 0 58 | 20 11 | 0 24 | 0 58 | 1 0 | 22 1 | 1 13 | 21 22 | 0 8 | 15 59 | 0 10 | 9 44 | 12 40 | 22 54 | 22 59 | 6 6 | 17 20 | 4 40 |
| S 25 | 12 18 | 19 30 | 4 23 | 5 35 | 0 56 | 22 21 | 1 1 | 20 21 | 0 24 | 1 3 | 1 1 | 22 2 | 1 13 | 21 23 | 0 8 | 15 59 | 0 10 | 9 45 | 12 40 | 22 54 | 22 59 | 6 3 | 17 20 | 4 40 |
| S 26 | 12 39 | 15 56 | 4 51 | 5 29 | 1 9 | 22 36 | 1 4 | 20 30 | 0 25 | 1 8 | 1 1 | 22 2 | 1 13 | 21 23 | 0 8 | 15 59 | 0 10 | 9 46 | 12 40 | 22 54 | 22 59 | 6 1 | 17 21 | 4 40 |
| M27 | 12 59 | 11 45 | 5 6 | 5 29 | 1 21 | 22 50 | 1 7 | 20 39 | 0 25 | 1 13 | 1 1 | 22 2 | 1 13 | 21 24 | 0 8 | 15 59 | 0 10 | 9 46 | 12 39 | 22 53 | 22 58 | 5 58 | 17 22 | 4 39 |
| T 28 | 13 18 | 7 9 | 5 7 | 5 34 | 1 31 | 23 4 | 1 10 | 20 48 | 0 26 | 1 17 | 1 1 | 22 3 | 1 13 | 21 24 | 0 8 | 15 59 | 0 10 | 9 47 | 12 39 | 22 53 | 22 58 | 5 55 | 17 23 | 4 39 |
| W29 | 13 38 | 2 17 | 4 55 | 5 43 | 1 40 | 23 17 | 1 13 | 20 57 | 0 26 | 1 22 | 1 1 | 22 3 | 1 13 | 21 25 | 0 8 | 15 59 | 0 10 | 9 47 | 12 39 | 22 52 | 22 58 | 5 52 | 17 24 | 4 39 |
| T 30 | 13 57 | 2s42 | 4 31 | 5 56 | 1 47 | 23 29 | 1 16 | 21 6 | 0 27 | 1 26 | 1 1 | 22 3 | 1 13 | 21 25 | 0 8 | 15 59 | 0 10 | 9 48 | 12 38 | 22 51 | 22 58 | 5 50 | 17 25 | 4 39 |
| F 31 | 14s16 | 7s39 | 3n54 | 6s14 | 1n53 | 23s41 | 1s19 | 21s14 | 0s28 | 1s31 | 1n 1 | 22s 3 | 1n12 | 21s26 | 0n 8 | 15s59 | 0n10 | 9s48 | 12n38 | 22n51 | 22n57 | 5n47 | 17s26 | 4n39 |

Julian Day Number = 2812678.5, Delta T = 53m39s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°34'53, Lahiri = 37°41'54


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# ASTRODIENST EPHEMERIS for the year 2988
# geocentric

## NOVEMBER 2988 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 45 25 | 9♏31'20 | 11♏53 | 21♎40 | 15♐20 | 4♐26 | 6♎25 | 26♐30 | 8♐16 | 15♒24 | 14♐ 1 | 18°R43 | 20♊13 | 27♍21 | 11♐41 | S 1 |
| S 2 | 2 49 22 | 10°30'51 | 24°12 | 22°53 | 16°32 | 5° 8 | 6°37 | 26°36 | 8°19 | 15°24 | 14° 3 | 18♊38 | 20°10 | 27°28 | 11°48 | S 2 |
| M 3 | 2 53 19 | 11°30'24 | 6♐42 | 24°11 | 17°44 | 5°50 | 6°48 | 26°41 | 8°22 | 15°25 | 14° 5 | 18°36 | 20° 7 | 27°35 | 11°55 | M 3 |
| T 4 | 2 57 15 | 12°29'59 | 19°22 | 25°34 | 18°57 | 6°32 | 7° 0 | 26°47 | 8°26 | 15°25 | 14° 7 | 18°D35 | 20° 4 | 27°42 | 12° 3 | T 4 |
| W 5 | 3 1 12 | 13°29'37 | 2♑15 | 27° 0 | 20° 9 | 7°14 | 7°12 | 26°53 | 8°29 | 15°25 | 14° 9 | 18°36 | 20° 1 | 27°48 | 12°10 | W 5 |
| T 6 | 3 5 8 | 14°29'15 | 15°22 | 28°28 | 21°21 | 7°56 | 7°23 | 26°59 | 8°33 | 15°25 | 14°11 | 18°37 | 19°57 | 27°55 | 12°17 | T 6 |
| F 7 | 3 9 5 | 15°28'56 | 28°44 | 29°59 | 22°33 | 8°38 | 7°35 | 27° 5 | 8°36 | 15°26 | 14°13 | 18°39 | 19°54 | 28° 2 | 12°24 | F 7 |
| S 8 | 3 13 1 | 16°28'38 | 12♒24 | 1♏33 | 23°45 | 9°20 | 7°46 | 27°11 | 8°40 | 15°26 | 14°15 | 18°R39 | 19°51 | 28° 9 | 12°31 | S 8 |
| S 9 | 3 16 58 | 17°28'22 | 26°21 | 3° 8 | 24°57 | 10° 3 | 7°58 | 27°17 | 8°43 | 15°27 | 14°17 | 18°39 | 19°48 | 28°15 | 12°39 | S 9 |
| M10 | 3 20 54 | 18°28'07 | 10♓37 | 4°44 | 26°10 | 10°45 | 8° 9 | 27°23 | 8°47 | 15°27 | 14°20 | 18°38 | 19°45 | 28°22 | 12°46 | M10 |
| T 11 | 3 24 51 | 19°27'54 | 25° 8 | 6°22 | 27°22 | 11°27 | 8°20 | 27°29 | 8°50 | 15°28 | 14°22 | 18°35 | 19°42 | 28°29 | 12°53 | T 11 |
| W12 | 3 28 48 | 20°27'42 | 9♈50 | 8° 0 | 28°34 | 12°10 | 8°31 | 27°35 | 8°54 | 15°28 | 14°24 | 18°31 | 19°38 | 28°35 | 13° 0 | W12 |
| T 13 | 3 32 44 | 21°27'32 | 24°38 | 9°38 | 29°45 | 12°52 | 8°42 | 27°41 | 8°58 | 15°29 | 14°26 | 18°27 | 19°35 | 28°42 | 13° 8 | T 13 |
| F 14 | 3 36 41 | 22°27'24 | 9♉23 | 11°17 | 0♑57 | 13°35 | 8°53 | 27°47 | 9° 1 | 15°29 | 14°29 | 18°23 | 19°32 | 28°49 | 13°15 | F 14 |
| S 15 | 3 40 37 | 23°27'18 | 23°58 | 12°56 | 2° 9 | 14°18 | 9° 4 | 27°53 | 9° 5 | 15°30 | 14°31 | 18°21 | 19°29 | 28°56 | 13°23 | S 15 |
| S 16 | 3 44 34 | 24°27'13 | 8♊16 | 14°36 | 3°21 | 15° 0 | 9°15 | 28° 0 | 9° 8 | 15°31 | 14°33 | 18°19 | 19°26 | 29° 2 | 13°30 | S 16 |
| M17 | 3 48 30 | 25°27'11 | 22°13 | 16°15 | 4°33 | 15°43 | 9°26 | 28° 6 | 9°12 | 15°31 | 14°35 | 18°D19 | 19°22 | 29° 9 | 13°38 | M17 |
| T 18 | 3 52 27 | 26°27'10 | 5♋45 | 17°54 | 5°44 | 16°26 | 9°37 | 28°12 | 9°16 | 15°32 | 14°38 | 18°20 | 19°19 | 29°16 | 13°45 | T 18 |
| W19 | 3 56 23 | 27°27'12 | 18°54 | 19°33 | 6°56 | 17° 9 | 9°47 | 28°19 | 9°19 | 15°33 | 14°40 | 18°21 | 19°16 | 29°22 | 13°53 | W19 |
| T 20 | 4 0 20 | 28°27'16 | 1♌39 | 21°12 | 8° 8 | 17°52 | 9°58 | 28°25 | 9°23 | 15°34 | 14°42 | 18°23 | 19°13 | 29°29 | 14° 0 | T 20 |
| F 21 | 4 4 17 | 29°27'21 | 14° 5 | 22°50 | 9°19 | 18°35 | 10° 8 | 28°32 | 9°27 | 15°35 | 14°44 | 18°24 | 19°10 | 29°36 | 14° 8 | F 21 |
| S 22 | 4 8 13 | 0♐27'29 | 26°16 | 24°29 | 10°31 | 19°18 | 10°19 | 28°38 | 9°31 | 15°35 | 14°47 | 18°R25 | 19° 7 | 29°43 | 14°15 | S 22 |
| S 23 | 4 12 10 | 1°27'38 | 8♍16 | 26° 7 | 11°42 | 20° 1 | 10°29 | 28°45 | 9°34 | 15°36 | 14°49 | 18°24 | 19° 3 | 29°49 | 14°23 | S 23 |
| M24 | 4 16 6 | 2°27'50 | 20° 9 | 27°45 | 12°53 | 20°44 | 10°39 | 28°52 | 9°38 | 15°37 | 14°51 | 18°24 | 19° 0 | 29°56 | 14°30 | M24 |
| T 25 | 4 20 3 | 3°28'03 | 2♎ 1 | 29°22 | 14° 5 | 21°28 | 10°49 | 28°58 | 9°42 | 15°38 | 14°54 | 18°22 | 18°57 | 0♎ 3 | 14°38 | T 25 |
| W26 | 4 23 59 | 4°28'19 | 13°56 | 0♐59 | 15°16 | 22°11 | 10°59 | 29° 5 | 9°45 | 15°39 | 14°56 | 18°20 | 18°54 | 0°10 | 14°46 | W26 |
| T 27 | 4 27 56 | 5°28'36 | 25°57 | 2°36 | 16°27 | 22°54 | 11° 9 | 29°12 | 9°49 | 15°40 | 14°58 | 18°18 | 18°51 | 0°16 | 14°53 | T 27 |
| F 28 | 4 31 52 | 6°28'55 | 8♏ 7 | 4°12 | 17°38 | 23°38 | 11°19 | 29°18 | 9°53 | 15°41 | 15° 1 | 18°16 | 18°48 | 0°23 | 15° 1 | F 28 |
| S 29 | 4 35 49 | 7°29'16 | 20°29 | 5°49 | 18°49 | 24°21 | 11°29 | 29°25 | 9°57 | 15°42 | 15° 3 | 18°15 | 18°44 | 0°30 | 15° 9 | S 29 |
| S 30 | 4 39 46 | 8♐29'39 | 3♐ 3 | 7♐25 | 20♑ 0 | 25♐ 5 | 11♎38 | 29♐32 | 10♐ 0 | 15♒43 | 15♐ 6 | 18♊14 | 18♊41 | 0♎36 | 15♐16 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s35 | 12s22 | 3n 6 | 6s35 | 1n58 | 23s52 | 1s22 | 21s23 | 0s28 | 1s36 | 1n 1 | 22s 4 | 1n12 | 21s27 | 0n 8 | 15s59 | 0n10 | 9s49 | 12n38 | 22n50 | 22n57 | 5n44 | 17s27 | 4n39 |
| S 2 | 14 54 | 16 39 | 2 9 | 6 59 | 2 1 | 24 2 | 1 24 | 21 31 | 0 29 | 1 40 | 1 1 | 22 4 | 1 12 | 21 27 | 0 8 | 15 59 | 0 10 | 9 49 | 12 37 | 22 50 | 22 57 | 5 41 | 17 28 | 4 39 |
| M 3 | 15 12 | 20 15 | 1 4 | 7 26 | 2 3 | 24 12 | 1 27 | 21 39 | 0 29 | 1 45 | 1 2 | 22 4 | 1 12 | 21 28 | 0 8 | 15 59 | 0 10 | 9 50 | 12 37 | 22 49 | 22 57 | 5 38 | 17 29 | 4 39 |
| T 4 | 15 30 | 22 58 | 0s 4 | 7 54 | 2 4 | 24 21 | 1 30 | 21 46 | 0 30 | 1 49 | 1 2 | 22 5 | 1 12 | 21 28 | 0 7 | 15 59 | 0 10 | 9 50 | 12 37 | 22 49 | 22 57 | 5 36 | 17 30 | 4 39 |
| W 5 | 15 48 | 24 31 | 1 14 | 8 25 | 2 4 | 24 29 | 1 33 | 21 54 | 0 30 | 1 54 | 1 2 | 22 5 | 1 12 | 21 29 | 0 7 | 15 59 | 0 9 | 9 51 | 12 36 | 22 49 | 22 56 | 5 33 | 17 31 | 4 39 |
| T 6 | 16 6 | 24 46 | 2 21 | 8 57 | 2 3 | 24 37 | 1 35 | 22 1 | 0 31 | 1 58 | 1 2 | 22 5 | 1 12 | 21 29 | 0 7 | 15 58 | 0 9 | 9 51 | 12 36 | 22 50 | 22 56 | 5 30 | 17 32 | 4 39 |
| F 7 | 16 23 | 23 36 | 3 22 | 9 31 | 2 1 | 24 44 | 1 38 | 22 9 | 0 31 | 2 2 | 1 2 | 22 5 | 1 11 | 21 30 | 0 7 | 15 58 | 0 9 | 9 52 | 12 36 | 22 50 | 22 56 | 5 27 | 17 33 | 4 39 |
| S 8 | 16 41 | 21 2 | 4 12 | 10 5 | 1 59 | 24 50 | 1 41 | 22 16 | 0 32 | 2 7 | 1 2 | 22 6 | 1 11 | 21 30 | 0 7 | 15 58 | 0 9 | 9 52 | 12 36 | 22 50 | 22 56 | 5 25 | 17 34 | 4 39 |
| S 9 | 16 57 | 17 12 | 4 50 | 10 40 | 1 56 | 24 56 | 1 43 | 22 22 | 0 32 | 2 11 | 1 2 | 22 6 | 1 11 | 21 31 | 0 7 | 15 58 | 0 9 | 9 53 | 12 35 | 22 50 | 22 55 | 5 22 | 17 35 | 4 39 |
| M10 | 17 14 | 12 19 | 5 10 | 11 16 | 1 52 | 25 1 | 1 46 | 22 29 | 0 33 | 2 15 | 1 2 | 22 6 | 1 11 | 21 32 | 0 7 | 15 58 | 0 9 | 9 53 | 12 35 | 22 50 | 22 55 | 5 19 | 17 36 | 4 39 |
| T 11 | 17 30 | 6 41 | 5 11 | 11 52 | 1 48 | 25 5 | 1 48 | 22 35 | 0 34 | 2 20 | 1 3 | 22 6 | 1 11 | 21 32 | 0 7 | 15 58 | 0 9 | 9 54 | 12 35 | 22 49 | 22 55 | 5 16 | 17 36 | 4 39 |
| W12 | 17 46 | 0 36 | 4 52 | 12 28 | 1 44 | 25 9 | 1 50 | 22 42 | 0 34 | 2 24 | 1 3 | 22 7 | 1 11 | 21 33 | 0 7 | 15 58 | 0 9 | 9 54 | 12 35 | 22 49 | 22 55 | 5 13 | 17 37 | 4 39 |
| T 13 | 18 2 | 5n34 | 4 13 | 13 4 | 1 39 | 25 11 | 1 53 | 22 48 | 0 35 | 2 28 | 1 3 | 22 7 | 1 11 | 21 33 | 0 7 | 15 58 | 0 9 | 9 55 | 12 34 | 22 49 | 22 54 | 5 11 | 17 38 | 4 39 |
| F 14 | 18 17 | 11 25 | 3 18 | 13 39 | 1 33 | 25 13 | 1 55 | 22 53 | 0 35 | 2 32 | 1 3 | 22 7 | 1 11 | 21 34 | 0 7 | 15 57 | 0 9 | 9 55 | 12 34 | 22 48 | 22 54 | 5 8 | 17 39 | 4 39 |
| S 15 | 18 32 | 16 34 | 2 10 | 14 14 | 1 28 | 25 15 | 1 57 | 22 59 | 0 36 | 2 37 | 1 3 | 22 7 | 1 10 | 21 34 | 0 7 | 15 57 | 0 9 | 9 56 | 12 34 | 22 48 | 22 54 | 5 5 | 17 40 | 4 39 |
| S 16 | 18 47 | 20 40 | 0 55 | 14 49 | 1 22 | 25 15 | 1 59 | 23 4 | 0 36 | 2 41 | 1 3 | 22 8 | 1 10 | 21 35 | 0 7 | 15 57 | 0 9 | 9 56 | 12 34 | 22 48 | 22 54 | 5 2 | 17 41 | 4 39 |
| M17 | 19 1 | 23 26 | 0n21 | 15 24 | 1 16 | 25 15 | 2 1 | 23 9 | 0 37 | 2 45 | 1 3 | 22 8 | 1 10 | 21 35 | 0 7 | 15 57 | 0 9 | 9 57 | 12 34 | 22 48 | 22 53 | 5 0 | 17 42 | 4 39 |
| T 18 | 19 15 | 24 46 | 1 35 | 15 58 | 1 10 | 25 14 | 2 3 | 23 14 | 0 37 | 2 49 | 1 4 | 22 8 | 1 10 | 21 36 | 0 7 | 15 57 | 0 9 | 9 57 | 12 33 | 22 48 | 22 53 | 4 57 | 17 42 | 4 39 |
| W19 | 19 29 | 24 38 | 2 41 | 16 31 | 1 3 | 25 13 | 2 5 | 23 19 | 0 38 | 2 53 | 1 4 | 22 8 | 1 10 | 21 37 | 0 7 | 15 56 | 0 9 | 9 58 | 12 33 | 22 48 | 22 53 | 4 54 | 17 43 | 4 39 |
| T 20 | 19 43 | 23 12 | 3 37 | 17 3 | 0 57 | 25 11 | 2 7 | 23 24 | 0 38 | 2 57 | 1 4 | 22 8 | 1 10 | 21 37 | 0 7 | 15 56 | 0 9 | 9 58 | 12 33 | 22 48 | 22 53 | 4 51 | 17 44 | 4 39 |
| F 21 | 19 56 | 20 40 | 4 21 | 17 35 | 0 50 | 25 8 | 2 9 | 23 28 | 0 39 | 3 1 | 1 4 | 22 9 | 1 10 | 21 38 | 0 7 | 15 56 | 0 9 | 9 58 | 12 33 | 22 48 | 22 52 | 4 48 | 17 45 | 4 40 |
| S 22 | 20 8 | 17 17 | 4 52 | 18 5 | 0 43 | 25 4 | 2 10 | 23 32 | 0 39 | 3 5 | 1 4 | 22 9 | 1 10 | 21 38 | 0 7 | 15 56 | 0 9 | 9 59 | 12 33 | 22 49 | 22 52 | 4 46 | 17 45 | 4 40 |
| S 23 | 20 21 | 13 14 | 5 11 | 18 35 | 0 36 | 24 59 | 2 12 | 23 36 | 0 40 | 3 8 | 1 4 | 22 9 | 1 9 | 21 39 | 0 7 | 15 56 | 0 9 | 9 59 | 12 32 | 22 49 | 22 52 | 4 43 | 17 46 | 4 40 |
| M24 | 20 33 | 8 43 | 5 15 | 19 4 | 0 30 | 24 54 | 2 14 | 23 39 | 0 40 | 3 12 | 1 5 | 22 9 | 1 9 | 21 39 | 0 7 | 15 55 | 0 9 | 10 0 | 12 32 | 22 48 | 22 52 | 4 40 | 17 47 | 4 40 |
| T 25 | 20 44 | 3 54 | 5 7 | 19 32 | 0 23 | 24 49 | 2 15 | 23 43 | 0 41 | 3 16 | 1 5 | 22 9 | 1 9 | 21 40 | 0 7 | 15 55 | 0 9 | 10 0 | 12 32 | 22 48 | 22 51 | 4 37 | 17 48 | 4 40 |
| W26 | 20 55 | 1s 5 | 4 45 | 19 59 | 0 16 | 24 42 | 2 16 | 23 46 | 0 41 | 3 20 | 1 5 | 22 9 | 1 9 | 21 41 | 0 7 | 15 55 | 0 9 | 10 0 | 12 32 | 22 48 | 22 51 | 4 34 | 17 48 | 4 40 |
| T 27 | 21 6 | 6 5 | 4 10 | 20 25 | 0 9 | 24 35 | 2 18 | 23 49 | 0 41 | 3 23 | 1 5 | 22 10 | 1 9 | 21 41 | 0 7 | 15 54 | 0 9 | 10 1 | 12 32 | 22 48 | 22 51 | 4 31 | 17 49 | 4 40 |
| F 28 | 21 17 | 10 55 | 3 24 | 20 50 | 0 2 | 24 27 | 2 19 | 23 51 | 0 42 | 3 27 | 1 5 | 22 10 | 1 9 | 21 42 | 0 7 | 15 54 | 0 9 | 10 1 | 12 32 | 22 48 | 22 50 | 4 29 | 17 50 | 4 40 |
| S 29 | 21 27 | 15 24 | 2 28 | 21 14 | 0s 5 | 24 18 | 2 20 | 23 54 | 0 42 | 3 31 | 1 5 | 22 10 | 1 9 | 21 42 | 0 7 | 15 54 | 0 9 | 10 2 | 12 31 | 22 48 | 22 50 | 4 26 | 17 51 | 4 40 |
| S 30 | 21s36 | 19s18 | 1n23 | 21s37 | 0s12 | 24s 9 | 2s21 | 23s56 | 0s43 | 3s34 | 1n 6 | 22s10 | 1n 9 | 21s43 | 0n 7 | 15s54 | 0n 9 | 10s 2 | 12n31 | 22n48 | 22n50 | 4n23 | 17s51 | 4n41 |

Julian Day Number = 2812709.5, Delta T = 53m40s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°34'57, Lahiri = 37°41'58


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# ASTRODIENST EPHEMERIS for the year 2988
# geocentric

## DECEMBER 2988 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 4 43 42 | 9♐30'04 | 15♐52 | 9♐ 0 | 21♑11 | 25♐49 | 11♎48 | 29♐39 | 10♐ 4 | 15♒45 | 15♐ 8 | 18°D13 | 18♊38 | 0♎43 | 15♐24 | M 1 |
| T 2 | 4 47 39 | 10°30'30 | 28°54 | 10°36 | 22°22 | 26°32 | 11°57 | 29°45 | 10° 8 | 15°46 | 15°10 | 18♊13 | 18°35 | 0°50 | 15°32 | T 2 |
| W 3 | 4 51 35 | 11°30'57 | 12♑10 | 12°11 | 23°33 | 27°16 | 12° 7 | 29°52 | 10°12 | 15°47 | 15°13 | 18°14 | 18°32 | 0°57 | 15°39 | W 3 |
| T 4 | 4 55 32 | 12°31'26 | 25°38 | 13°46 | 24°44 | 28° 0 | 12°16 | 29°59 | 10°15 | 15°48 | 15°15 | 18°15 | 18°28 | 1° 3 | 15°47 | T 4 |
| F 5 | 4 59 28 | 13°31'56 | 9♒19 | 15°20 | 25°54 | 28°44 | 12°25 | 0♑ 6 | 10°19 | 15°49 | 15°17 | 18°15 | 18°25 | 1°10 | 15°55 | F 5 |
| S 6 | 5 3 25 | 14°32'27 | 23°10 | 16°55 | 27° 5 | 29°28 | 12°34 | 0°13 | 10°23 | 15°51 | 15°20 | 18°15 | 18°22 | 1°17 | 16° 2 | S 6 |
| S 7 | 5 7 21 | 15°33'00 | 7♓11 | 18°29 | 28°16 | 0♑12 | 12°43 | 0°20 | 10°26 | 15°52 | 15°22 | 18°16 | 18°19 | 1°23 | 16°10 | S 7 |
| M 8 | 5 11 18 | 16°33'33 | 21°20 | 20° 3 | 29°26 | 0°56 | 12°52 | 0°27 | 10°30 | 15°53 | 15°25 | 18°R16 | 18°16 | 1°30 | 16°18 | M 8 |
| T 9 | 5 15 15 | 17°34'08 | 5♈35 | 21°37 | 0♒36 | 1°40 | 13° 0 | 0°34 | 10°34 | 15°55 | 15°27 | 18°16 | 18°13 | 1°37 | 16°25 | T 9 |
| W10 | 5 19 11 | 18°34'44 | 19°53 | 23°11 | 1°46 | 2°24 | 13° 9 | 0°41 | 10°38 | 15°56 | 15°29 | 18°D16 | 18° 9 | 1°44 | 16°33 | W10 |
| T 11 | 5 23 8 | 19°35'20 | 4♉12 | 24°44 | 2°56 | 3° 8 | 13°17 | 0°48 | 10°41 | 15°58 | 15°32 | 18°16 | 18° 6 | 1°50 | 16°41 | T 11 |
| F 12 | 5 27 4 | 20°35'58 | 18°27 | 26°18 | 4° 6 | 3°52 | 13°25 | 0°55 | 10°45 | 15°59 | 15°34 | 18°16 | 18° 3 | 1°57 | 16°48 | F 12 |
| S 13 | 5 31 1 | 21°36'37 | 2♊35 | 27°51 | 5°16 | 4°37 | 13°33 | 1° 2 | 10°49 | 16° 1 | 15°36 | 18°16 | 18° 0 | 2° 4 | 16°56 | S 13 |
| S 14 | 5 34 57 | 22°37'18 | 16°31 | 29°24 | 6°26 | 5°21 | 13°41 | 1° 9 | 10°52 | 16° 2 | 15°39 | 18°R16 | 17°57 | 2°10 | 17° 4 | S 14 |
| M15 | 5 38 54 | 23°37'59 | 0♋12 | 0♑58 | 7°36 | 6° 6 | 13°49 | 1°16 | 10°56 | 16° 4 | 15°41 | 18°16 | 17°54 | 2°17 | 17°11 | M15 |
| T 16 | 5 42 51 | 24°38'42 | 13°35 | 2°31 | 8°45 | 6°50 | 13°57 | 1°23 | 11° 0 | 16° 5 | 15°44 | 18°16 | 17°50 | 2°24 | 17°19 | T 16 |
| W17 | 5 46 47 | 25°39'26 | 26°39 | 4° 4 | 9°55 | 7°35 | 14° 5 | 1°30 | 11° 3 | 16° 7 | 15°46 | 18°15 | 17°47 | 2°31 | 17°27 | W17 |
| T 18 | 5 50 44 | 26°40'12 | 9♌24 | 5°37 | 11° 4 | 8°19 | 14°12 | 1°38 | 11° 7 | 16° 8 | 15°48 | 18°14 | 17°44 | 2°37 | 17°34 | T 18 |
| F 19 | 5 54 40 | 27°40'59 | 21°52 | 7°10 | 12°13 | 9° 4 | 14°20 | 1°45 | 11°11 | 16°10 | 15°51 | 18°13 | 17°41 | 2°44 | 17°42 | F 19 |
| S 20 | 5 58 37 | 28°41'47 | 4♍ 5 | 8°43 | 13°22 | 9°49 | 14°27 | 1°52 | 11°14 | 16°12 | 15°53 | 18°11 | 17°38 | 2°51 | 17°49 | S 20 |
| S 21 | 6 2 33 | 29°42'36 | 16° 6 | 10°15 | 14°31 | 10°33 | 14°34 | 1°59 | 11°18 | 16°13 | 15°55 | 18°10 | 17°34 | 2°58 | 17°57 | S 21 |
| M22 | 6 6 30 | 0♑43'26 | 28° 1 | 11°48 | 15°40 | 11°18 | 14°41 | 2° 6 | 11°22 | 16°15 | 15°58 | 18°D10 | 17°31 | 3° 4 | 18° 4 | M22 |
| T 23 | 6 10 26 | 1°44'18 | 9♎53 | 13°21 | 16°48 | 12° 3 | 14°48 | 2°13 | 11°25 | 16°17 | 16° 0 | 18°10 | 17°28 | 3°11 | 18°12 | T 23 |
| W24 | 6 14 23 | 2°45'11 | 21°47 | 14°53 | 17°57 | 12°48 | 14°54 | 2°20 | 11°29 | 16°19 | 16° 2 | 18°11 | 17°25 | 3°18 | 18°20 | W24 |
| T 25 | 6 18 20 | 3°46'05 | 3♏49 | 16°26 | 19° 5 | 13°33 | 15° 1 | 2°27 | 11°32 | 16°20 | 16° 5 | 18°12 | 17°22 | 3°24 | 18°27 | T 25 |
| F 26 | 6 22 16 | 4°47'01 | 16° 2 | 17°58 | 20°13 | 14°18 | 15° 7 | 2°35 | 11°36 | 16°22 | 16° 7 | 18°14 | 17°19 | 3°31 | 18°34 | F 26 |
| S 27 | 6 26 13 | 5°47'58 | 28°30 | 19°30 | 21°21 | 15° 3 | 15°13 | 2°42 | 11°39 | 16°24 | 16° 9 | 18°15 | 17°15 | 3°38 | 18°42 | S 27 |
| S 28 | 6 30 9 | 6°48'55 | 11♐16 | 21° 1 | 22°29 | 15°48 | 15°19 | 2°49 | 11°43 | 16°26 | 16°11 | 18°16 | 17°12 | 3°45 | 18°49 | S 28 |
| M29 | 6 34 6 | 7°49'54 | 24°21 | 22°33 | 23°37 | 16°33 | 15°25 | 2°56 | 11°46 | 16°28 | 16°14 | 18°R16 | 17° 9 | 3°51 | 18°57 | M29 |
| T 30 | 6 38 2 | 8°50'53 | 7♑46 | 24° 3 | 24°44 | 17°19 | 15°31 | 3° 3 | 11°50 | 16°30 | 16°16 | 18°15 | 17° 6 | 3°58 | 19° 4 | T 30 |
| W31 | 6 41 59 | 9♑51'54 | 21♑28 | 25♑34 | 25♒51 | 18♑ 4 | 15♎37 | 3♑10 | 11♐53 | 16♒31 | 16♐18 | 18♊13 | 17♊ 3 | 4♎ 5 | 19♐11 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21s45 | 22s21 | 0n13 | 21s59 | 0s18 | 23s59 | 2s22 | 23s58 | 0s43 | 3s38 | 1n 6 | 22s10 | 1n 9 | 21s43 | 0n 7 | 15s53 | 0n 9 | 10s 2 | 12n31 | 22n48 | 22n50 | 4n20 | 17s52 | 4n41 |
| T 2 | 21 54 | 24 17 | 0s59 | 22 20 | 0 25 | 23 49 | 2 23 | 24 0 | 0 44 | 3 41 | 1 6 | 22 10 | 1 9 | 21 44 | 0 7 | 15 53 | 0 9 | 10 3 | 12 31 | 22 48 | 22 49 | 4 17 | 17 53 | 4 41 |
| W 3 | 22 3 | 24 54 | 2 9 | 22 39 | 0 31 | 23 38 | 2 23 | 24 1 | 0 44 | 3 45 | 1 6 | 22 10 | 1 8 | 21 44 | 0 7 | 15 53 | 0 9 | 10 3 | 12 31 | 22 48 | 22 49 | 4 15 | 17 53 | 4 41 |
| T 4 | 22 11 | 24 4 | 3 13 | 22 57 | 0 38 | 23 26 | 2 24 | 24 2 | 0 45 | 3 48 | 1 6 | 22 10 | 1 8 | 21 45 | 0 7 | 15 52 | 0 9 | 10 3 | 12 31 | 22 48 | 22 49 | 4 12 | 17 54 | 4 41 |
| F 5 | 22 18 | 21 48 | 4 7 | 23 15 | 0 44 | 23 13 | 2 25 | 24 3 | 0 45 | 3 52 | 1 7 | 22 10 | 1 8 | 21 46 | 0 7 | 15 52 | 0 9 | 10 4 | 12 31 | 22 48 | 22 49 | 4 9 | 17 54 | 4 41 |
| S 6 | 22 25 | 18 15 | 4 47 | 23 31 | 0 51 | 23 0 | 2 25 | 24 4 | 0 46 | 3 55 | 1 7 | 22 11 | 1 8 | 21 46 | 0 7 | 15 51 | 0 9 | 10 4 | 12 31 | 22 48 | 22 48 | 4 6 | 17 55 | 4 41 |
| S 7 | 22 32 | 13 39 | 5 11 | 23 45 | 0 57 | 22 46 | 2 25 | 24 5 | 0 46 | 3 58 | 1 7 | 22 11 | 1 8 | 21 47 | 0 7 | 15 51 | 0 9 | 10 4 | 12 31 | 22 48 | 22 48 | 4 3 | 17 56 | 4 42 |
| M 8 | 22 38 | 8 16 | 5 17 | 23 59 | 1 3 | 22 32 | 2 26 | 24 5 | 0 46 | 4 1 | 1 7 | 22 11 | 1 8 | 21 47 | 0 7 | 15 51 | 0 9 | 10 5 | 12 31 | 22 48 | 22 48 | 4 0 | 17 56 | 4 42 |
| T 9 | 22 44 | 2 26 | 5 3 | 24 11 | 1 9 | 22 17 | 2 26 | 24 5 | 0 47 | 4 4 | 1 7 | 22 11 | 1 8 | 21 48 | 0 7 | 15 50 | 0 9 | 10 5 | 12 31 | 22 48 | 22 48 | 3 57 | 17 57 | 4 42 |
| W10 | 22 49 | 3n34 | 4 30 | 24 22 | 1 14 | 22 2 | 2 26 | 24 5 | 0 47 | 4 8 | 1 8 | 22 11 | 1 8 | 21 48 | 0 7 | 15 50 | 0 9 | 10 5 | 12 31 | 22 48 | 22 47 | 3 55 | 17 57 | 4 42 |
| T 11 | 22 54 | 9 23 | 3 41 | 24 32 | 1 20 | 21 46 | 2 26 | 24 4 | 0 48 | 4 11 | 1 8 | 22 11 | 1 8 | 21 49 | 0 7 | 15 50 | 0 9 | 10 5 | 12 30 | 22 48 | 22 47 | 3 52 | 17 58 | 4 42 |
| F 12 | 22 59 | 14 42 | 2 38 | 24 41 | 1 25 | 21 29 | 2 25 | 24 3 | 0 48 | 4 14 | 1 8 | 22 11 | 1 8 | 21 49 | 0 7 | 15 49 | 0 9 | 10 6 | 12 30 | 22 48 | 22 47 | 3 49 | 17 58 | 4 43 |
| S 13 | 23 3 | 19 10 | 1 26 | 24 48 | 1 30 | 21 12 | 2 25 | 24 2 | 0 49 | 4 17 | 1 8 | 22 11 | 1 8 | 21 50 | 0 7 | 15 49 | 0 9 | 10 6 | 12 30 | 22 48 | 22 46 | 3 46 | 17 59 | 4 43 |
| S 14 | 23 6 | 22 28 | 0 10 | 24 54 | 1 35 | 20 54 | 2 25 | 24 1 | 0 49 | 4 19 | 1 8 | 22 11 | 1 8 | 21 50 | 0 7 | 15 48 | 0 9 | 10 6 | 12 30 | 22 48 | 22 46 | 3 43 | 17 59 | 4 43 |
| M15 | 23 10 | 24 24 | 1n 6 | 24 58 | 1 40 | 20 36 | 2 24 | 24 0 | 0 49 | 4 22 | 1 9 | 22 11 | 1 7 | 21 51 | 0 7 | 15 48 | 0 9 | 10 6 | 12 30 | 22 48 | 22 46 | 3 40 | 18 0 | 4 43 |
| T 16 | 23 12 | 24 52 | 2 16 | 25 2 | 1 44 | 20 17 | 2 23 | 23 58 | 0 50 | 4 25 | 1 9 | 22 11 | 1 7 | 21 51 | 0 7 | 15 47 | 0 9 | 10 7 | 12 30 | 22 48 | 22 46 | 3 38 | 18 0 | 4 44 |
| W17 | 23 14 | 23 56 | 3 17 | 25 4 | 1 49 | 19 58 | 2 23 | 23 56 | 0 50 | 4 28 | 1 9 | 22 11 | 1 7 | 21 52 | 0 7 | 15 47 | 0 9 | 10 7 | 12 30 | 22 48 | 22 45 | 3 35 | 18 1 | 4 44 |
| T 18 | 23 16 | 21 46 | 4 7 | 25 4 | 1 53 | 19 38 | 2 22 | 23 54 | 0 51 | 4 30 | 1 9 | 22 11 | 1 7 | 21 52 | 0 7 | 15 46 | 0 9 | 10 7 | 12 30 | 22 48 | 22 45 | 3 32 | 18 1 | 4 44 |
| F 19 | 23 17 | 18 37 | 4 44 | 25 4 | 1 57 | 19 18 | 2 21 | 23 51 | 0 51 | 4 33 | 1 9 | 22 11 | 1 7 | 21 53 | 0 7 | 15 46 | 0 9 | 10 7 | 12 30 | 22 47 | 22 45 | 3 29 | 18 2 | 4 44 |
| S 20 | 23 18 | 14 44 | 5 7 | 25 2 | 2 0 | 18 57 | 2 19 | 23 48 | 0 51 | 4 36 | 1 10 | 22 11 | 1 7 | 21 53 | 0 7 | 15 45 | 0 9 | 10 8 | 12 30 | 22 47 | 22 44 | 3 26 | 18 2 | 4 45 |
| S 21 | 23 19 | 10 19 | 5 16 | 24 58 | 2 3 | 18 36 | 2 18 | 23 45 | 0 52 | 4 38 | 1 10 | 22 11 | 1 7 | 21 54 | 0 7 | 15 45 | 0 9 | 10 8 | 12 30 | 22 47 | 22 44 | 3 23 | 18 2 | 4 45 |
| M22 | 23 19 | 5 33 | 5 12 | 24 53 | 2 6 | 18 14 | 2 17 | 23 42 | 0 52 | 4 41 | 1 10 | 22 11 | 1 7 | 21 54 | 0 7 | 15 44 | 0 9 | 10 8 | 12 30 | 22 47 | 22 44 | 3 20 | 18 3 | 4 45 |
| T 23 | 23 18 | 0 37 | 4 54 | 24 47 | 2 9 | 17 52 | 2 15 | 23 38 | 0 52 | 4 43 | 1 10 | 22 11 | 1 7 | 21 55 | 0 7 | 15 44 | 0 9 | 10 8 | 12 30 | 22 47 | 22 43 | 3 17 | 18 3 | 4 45 |
| W24 | 23 17 | 4s22 | 4 24 | 24 39 | 2 11 | 17 29 | 2 13 | 23 35 | 0 53 | 4 45 | 1 11 | 22 11 | 1 7 | 21 55 | 0 7 | 15 43 | 0 9 | 10 8 | 12 30 | 22 47 | 22 43 | 3 15 | 18 3 | 4 46 |
| T 25 | 23 15 | 9 15 | 3 42 | 24 31 | 2 13 | 17 6 | 2 12 | 23 30 | 0 53 | 4 48 | 1 11 | 22 11 | 1 7 | 21 56 | 0 7 | 15 43 | 0 9 | 10 8 | 12 31 | 22 47 | 22 43 | 3 12 | 18 4 | 4 46 |
| F 26 | 23 14 | 13 51 | 2 49 | 24 20 | 2 15 | 16 43 | 2 10 | 23 26 | 0 54 | 4 50 | 1 11 | 22 10 | 1 7 | 21 56 | 0 7 | 15 42 | 0 9 | 10 9 | 12 31 | 22 48 | 22 43 | 3 9 | 18 4 | 4 46 |
| S 27 | 23 11 | 17 59 | 1 47 | 24 9 | 2 16 | 16 19 | 2 8 | 23 22 | 0 54 | 4 52 | 1 11 | 22 10 | 1 7 | 21 57 | 0 7 | 15 42 | 0 9 | 10 9 | 12 31 | 22 48 | 22 42 | 3 6 | 18 4 | 4 47 |
| S 28 | 23 8 | 21 22 | 0 39 | 23 56 | 2 16 | 15 55 | 2 5 | 23 17 | 0 54 | 4 54 | 1 11 | 22 10 | 1 7 | 21 57 | 0 7 | 15 41 | 0 9 | 10 9 | 12 31 | 22 48 | 22 42 | 3 3 | 18 5 | 4 47 |
| M29 | 23 5 | 23 45 | 0s33 | 23 41 | 2 17 | 15 31 | 2 3 | 23 12 | 0 55 | 4 56 | 1 12 | 22 10 | 1 7 | 21 58 | 0 7 | 15 41 | 0 9 | 10 9 | 12 31 | 22 48 | 22 42 | 3 0 | 18 5 | 4 47 |
| T 30 | 23 1 | 24 50 | 1 45 | 23 25 | 2 17 | 15 6 | 2 1 | 23 6 | 0 55 | 4 58 | 1 12 | 22 10 | 1 6 | 21 58 | 0 7 | 15 40 | 0 9 | 10 9 | 12 31 | 22 48 | 22 41 | 2 57 | 18 5 | 4 48 |
| W31 | 22s57 | 24s27 | 2s53 | 23s 8 | 2s16 | 14s41 | 1s58 | 23s 1 | 0s55 | 5s 0 | 1n12 | 22s10 | 1n 6 | 21s59 | 0n 7 | 15s40 | 0n 9 | 10s 9 | 12n31 | 22n48 | 22n41 | 2n54 | 18s 5 | 4n48 |

Julian Day Number = 2812739.5, Delta T = 53m40s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°35'02, Lahiri = 37°42'02


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# ASTRODIENST EPHEMERIS for the year 2989
# geocentric

## JANUARY 2989 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 45 55 | 10♑52'55 | 5♒26 | 27♑ 3 | 26♒58 | 18♑49 | 15♎42 | 3♑17 | 11♐56 | 16♒33 | 16♐20 | 18°R10 | 17♊ 0 | 4♎11 | 19♐19 | T 1 |
| F 2 | 6 49 52 | 11°53'56 | 19°34 | 28°32 | 28° 5 | 19°35 | 15°47 | 3°24 | 12° 0 | 16°35 | 16°23 | 18♊ 6 | 16°56 | 4°18 | 19°26 | F 2 |
| S 3 | 6 53 49 | 12°54'58 | 3♓50 | 0♒ 0 | 29°12 | 20°20 | 15°52 | 3°31 | 12° 3 | 16°37 | 16°25 | 18° 3 | 16°53 | 4°25 | 19°33 | S 3 |
| S 4 | 6 57 45 | 13°56'00 | 18° 7 | 1°27 | 0♓18 | 21° 5 | 15°57 | 3°38 | 12° 7 | 16°39 | 16°27 | 18° 0 | 16°50 | 4°32 | 19°41 | S 4 |
| M 5 | 7 1 42 | 14°57'02 | 2♈23 | 2°53 | 1°25 | 21°51 | 16° 2 | 3°45 | 12°10 | 16°41 | 16°29 | 17°58 | 16°47 | 4°38 | 19°48 | M 5 |
| T 6 | 7 5 38 | 15°58'05 | 16°35 | 4°16 | 2°30 | 22°37 | 16° 7 | 3°52 | 12°13 | 16°43 | 16°31 | 17°D57 | 16°44 | 4°45 | 19°55 | T 6 |
| W 7 | 7 9 35 | 16°59'08 | 0♉40 | 5°38 | 3°36 | 23°22 | 16°11 | 3°59 | 12°16 | 16°45 | 16°33 | 17°58 | 16°40 | 4°52 | 20° 2 | W 7 |
| T 8 | 7 13 31 | 18° 0'11 | 14°37 | 6°58 | 4°42 | 24° 8 | 16°15 | 4° 6 | 12°20 | 16°47 | 16°35 | 17°59 | 16°37 | 4°58 | 20° 9 | T 8 |
| F 9 | 7 17 28 | 19° 1'14 | 28°25 | 8°15 | 5°47 | 24°53 | 16°20 | 4°13 | 12°23 | 16°49 | 16°38 | 18° 1 | 16°34 | 5° 5 | 20°16 | F 9 |
| S 10 | 7 21 24 | 20° 2'17 | 12♊ 4 | 9°28 | 6°52 | 25°39 | 16°23 | 4°20 | 12°26 | 16°51 | 16°40 | 18°R 2 | 16°31 | 5°12 | 20°23 | S 10 |
| S 11 | 7 25 21 | 21° 3'21 | 25°32 | 10°38 | 7°56 | 26°25 | 16°27 | 4°27 | 12°29 | 16°54 | 16°42 | 18° 2 | 16°28 | 5°19 | 20°30 | S 11 |
| M12 | 7 29 18 | 22° 4'24 | 8♋49 | 11°44 | 9° 1 | 27°11 | 16°31 | 4°34 | 12°32 | 16°56 | 16°44 | 18° 0 | 16°25 | 5°25 | 20°37 | M12 |
| T 13 | 7 33 14 | 23° 5'28 | 21°53 | 12°44 | 10° 5 | 27°57 | 16°34 | 4°41 | 12°35 | 16°58 | 16°46 | 17°57 | 16°21 | 5°32 | 20°44 | T 13 |
| W14 | 7 37 11 | 24° 6'33 | 4♌44 | 13°39 | 11° 8 | 28°43 | 16°37 | 4°48 | 12°38 | 17° 0 | 16°48 | 17°51 | 16°18 | 5°39 | 20°51 | W14 |
| T 15 | 7 41 7 | 25° 7'37 | 17°21 | 14°28 | 12°12 | 29°29 | 16°40 | 4°55 | 12°41 | 17° 2 | 16°50 | 17°45 | 16°15 | 5°45 | 20°57 | T 15 |
| F 16 | 7 45 4 | 26° 8'42 | 29°44 | 15° 8 | 13°15 | 0♒15 | 16°43 | 5° 2 | 12°44 | 17° 4 | 16°52 | 17°37 | 16°12 | 5°52 | 21° 4 | F 16 |
| S 17 | 7 49 0 | 27° 9'47 | 11♍55 | 15°41 | 14°18 | 1° 1 | 16°46 | 5° 9 | 12°47 | 17° 6 | 16°54 | 17°30 | 16° 9 | 5°59 | 21°11 | S 17 |
| S 18 | 7 52 57 | 28°10'52 | 23°56 | 16° 4 | 15°20 | 1°47 | 16°49 | 5°15 | 12°50 | 17° 9 | 16°56 | 17°24 | 16° 6 | 6° 6 | 21°18 | S 18 |
| M19 | 7 56 54 | 29°11'57 | 5♎50 | 16°17 | 16°22 | 2°33 | 16°51 | 5°22 | 12°53 | 17°11 | 16°57 | 17°19 | 16° 2 | 6°12 | 21°24 | M19 |
| T 20 | 8 0 50 | 0♒13'03 | 17°41 | 16°R19 | 17°24 | 3°19 | 16°53 | 5°29 | 12°56 | 17°13 | 16°59 | 17°16 | 15°59 | 6°19 | 21°31 | T 20 |
| W21 | 8 4 47 | 1°14'09 | 29°34 | 16°10 | 18°25 | 4° 5 | 16°55 | 5°35 | 12°59 | 17°15 | 17° 1 | 17°D15 | 15°56 | 6°26 | 21°37 | W21 |
| T 22 | 8 8 43 | 2°15'15 | 11♏33 | 15°49 | 19°26 | 4°51 | 16°57 | 5°42 | 13° 1 | 17°17 | 17° 3 | 17°15 | 15°53 | 6°32 | 21°44 | T 22 |
| F 23 | 8 12 40 | 3°16'22 | 23°44 | 15°16 | 20°26 | 5°38 | 16°58 | 5°49 | 13° 4 | 17°20 | 17° 5 | 17°17 | 15°50 | 6°39 | 21°50 | F 23 |
| S 24 | 8 16 36 | 4°17'28 | 6♐12 | 14°31 | 21°26 | 6°24 | 17° 0 | 5°55 | 13° 7 | 17°22 | 17° 7 | 17°18 | 15°46 | 6°46 | 21°56 | S 24 |
| S 25 | 8 20 33 | 5°18'35 | 19° 0 | 13°37 | 22°25 | 7°10 | 17° 1 | 6° 2 | 13°10 | 17°24 | 17° 8 | 17°R19 | 15°43 | 6°53 | 22° 3 | S 25 |
| M26 | 8 24 29 | 6°19'42 | 2♑13 | 12°33 | 23°24 | 7°57 | 17° 2 | 6° 8 | 13°12 | 17°26 | 17°10 | 17°18 | 15°40 | 6°59 | 22° 9 | M26 |
| T 27 | 8 28 26 | 7°20'48 | 15°52 | 11°21 | 24°23 | 8°43 | 17° 3 | 6°15 | 13°15 | 17°28 | 17°12 | 17°14 | 15°37 | 7° 6 | 22°15 | T 27 |
| W28 | 8 32 23 | 8°21'55 | 29°54 | 10° 5 | 25°21 | 9°30 | 17° 3 | 6°21 | 13°17 | 17°31 | 17°14 | 17° 8 | 15°34 | 7°13 | 22°21 | W28 |
| T 29 | 8 36 19 | 9°23'01 | 14♒18 | 8°46 | 26°19 | 10°16 | 17° 4 | 6°28 | 13°20 | 17°33 | 17°15 | 17° 1 | 15°31 | 7°19 | 22°27 | T 29 |
| F 30 | 8 40 16 | 10°24'07 | 28°56 | 7°27 | 27°16 | 11° 3 | 17° 4 | 6°34 | 13°22 | 17°35 | 17°17 | 16°52 | 15°27 | 7°26 | 22°33 | F 30 |
| S 31 | 8 44 12 | 11♒25'12 | 13♓41 | 6♒10 | 28♓12 | 11♒49 | 17°R 4 | 6♑40 | 13♐25 | 17♒38 | 17♐18 | 16♊43 | 15♊24 | 7♎33 | 22♐39 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22s52 | 22s33 | 3s51 | 22s50 | 2s15 | 14s16 | 1s55 | 22s55 | 0s56 | 5s 2 | 1n12 | 22s10 | 1n 6 | 21s59 | 0n 7 | 15s39 | 0n 9 | 10s 9 | 12n31 | 22n47 | 22n41 | 2n52 | 18s 6 | 4n48 | |
| F 2 | 22 47 | 19 14 | 4 36 | 22 31 | 2 13 | 13 50 | 1 52 | 22 49 | 0 56 | 5 4 | 1 13 | 22 10 | 1 6 | 22 0 | 0 7 | 15 39 | 0 9 | 10 10 | 12 31 | 22 47 | 22 40 | 2 49 | 18 6 | 4 49 | |
| S 3 | 22 41 | 14 46 | 5 4 | 22 10 | 2 10 | 13 24 | 1 49 | 22 43 | 0 56 | 5 5 | 1 13 | 22 10 | 1 6 | 22 0 | 0 7 | 15 38 | 0 9 | 10 10 | 12 31 | 22 47 | 22 40 | 2 46 | 18 6 | 4 49 | |
| S 4 | 22 35 | 9 29 | 5 14 | 21 48 | 2 7 | 12 58 | 1 46 | 22 36 | 0 57 | 5 7 | 1 13 | 22 9 | 1 6 | 22 1 | 0 7 | 15 37 | 0 9 | 10 10 | 12 31 | 22 46 | 22 40 | 2 43 | 18 6 | 4 49 | |
| M 5 | 22 29 | 3 42 | 5 4 | 21 25 | 2 4 | 12 31 | 1 43 | 22 29 | 0 57 | 5 9 | 1 13 | 22 9 | 1 6 | 22 1 | 0 7 | 15 37 | 0 9 | 10 10 | 12 31 | 22 46 | 22 40 | 2 40 | 18 6 | 4 50 | |
| T 6 | 22 22 | 2n14 | 4 35 | 21 1 | 1 59 | 12 4 | 1 39 | 22 22 | 0 57 | 5 10 | 1 14 | 22 9 | 1 6 | 22 1 | 0 7 | 15 36 | 0 9 | 10 10 | 12 32 | 22 46 | 22 39 | 2 37 | 18 7 | 4 50 | |
| W 7 | 22 14 | 8 2 | 3 51 | 20 36 | 1 54 | 11 37 | 1 36 | 22 15 | 0 57 | 5 12 | 1 14 | 22 9 | 1 6 | 22 2 | 0 7 | 15 36 | 0 9 | 10 10 | 12 32 | 22 46 | 22 39 | 2 34 | 18 7 | 4 50 | |
| T 8 | 22 7 | 13 23 | 2 53 | 20 10 | 1 48 | 11 10 | 1 32 | 22 7 | 0 58 | 5 13 | 1 14 | 22 9 | 1 6 | 22 2 | 0 7 | 15 35 | 0 9 | 10 10 | 12 32 | 22 46 | 22 39 | 2 31 | 18 7 | 4 51 | |
| F 9 | 21 58 | 17 59 | 1 45 | 19 44 | 1 41 | 10 43 | 1 28 | 21 59 | 0 58 | 5 14 | 1 14 | 22 9 | 1 6 | 22 3 | 0 7 | 15 34 | 0 9 | 10 10 | 12 32 | 22 46 | 22 38 | 2 28 | 18 7 | 4 51 | |
| S 10 | 21 50 | 21 35 | 0 33 | 19 17 | 1 33 | 10 15 | 1 24 | 21 51 | 0 58 | 5 16 | 1 15 | 22 8 | 1 6 | 22 3 | 0 7 | 15 34 | 0 9 | 10 10 | 12 32 | 22 47 | 22 38 | 2 26 | 18 7 | 4 52 | |
| S 11 | 21 40 | 23 55 | 0n41 | 18 50 | 1 24 | 9 47 | 1 20 | 21 43 | 0 59 | 5 17 | 1 15 | 22 8 | 1 6 | 22 3 | 0 7 | 15 33 | 0 9 | 10 10 | 12 32 | 22 47 | 22 38 | 2 23 | 18 7 | 4 52 | |
| M12 | 21 31 | 24 52 | 1 51 | 18 22 | 1 15 | 9 19 | 1 16 | 21 34 | 0 59 | 5 18 | 1 15 | 22 8 | 1 6 | 22 4 | 0 7 | 15 33 | 0 9 | 10 10 | 12 33 | 22 46 | 22 37 | 2 20 | 18 7 | 4 52 | |
| T 13 | 21 21 | 24 24 | 2 54 | 17 55 | 1 4 | 8 51 | 1 11 | 21 26 | 0 59 | 5 19 | 1 15 | 22 8 | 1 6 | 22 4 | 0 7 | 15 32 | 0 9 | 10 10 | 12 33 | 22 46 | 22 37 | 2 17 | 18 7 | 4 53 | |
| W14 | 21 10 | 22 39 | 3 47 | 17 28 | 0 52 | 8 23 | 1 7 | 21 17 | 0 59 | 5 20 | 1 16 | 22 8 | 1 6 | 22 5 | 0 7 | 15 31 | 0 8 | 10 10 | 12 33 | 22 46 | 22 37 | 2 14 | 18 7 | 4 53 | |
| T 15 | 21 0 | 19 48 | 4 27 | 17 2 | 0 39 | 7 54 | 1 2 | 21 7 | 1 0 | 5 21 | 1 16 | 22 7 | 1 6 | 22 5 | 0 7 | 15 31 | 0 8 | 10 10 | 12 33 | 22 45 | 22 36 | 2 11 | 18 7 | 4 54 | |
| F 16 | 20 48 | 16 6 | 4 55 | 16 36 | 0 25 | 7 26 | 0 57 | 20 58 | 1 0 | 5 22 | 1 16 | 22 7 | 1 6 | 22 5 | 0 7 | 15 30 | 0 8 | 10 10 | 12 33 | 22 44 | 22 36 | 2 8 | 18 7 | 4 54 | |
| S 17 | 20 37 | 11 48 | 5 8 | 16 12 | 0 10 | 6 57 | 0 52 | 20 48 | 1 0 | 5 23 | 1 16 | 22 7 | 1 6 | 22 6 | 0 7 | 15 29 | 0 8 | 10 10 | 12 33 | 22 44 | 22 36 | 2 5 | 18 7 | 4 55 | |
| S 18 | 20 25 | 7 6 | 5 7 | 15 50 | 0n 6 | 6 28 | 0 47 | 20 38 | 1 0 | 5 23 | 1 17 | 22 7 | 1 6 | 22 6 | 0 7 | 15 29 | 0 8 | 10 10 | 12 34 | 22 43 | 22 35 | 2 2 | 18 7 | 4 55 | |
| M19 | 20 13 | 2 11 | 4 54 | 15 30 | 0 23 | 5 59 | 0 41 | 20 28 | 1 1 | 5 24 | 1 17 | 22 6 | 1 6 | 22 7 | 0 7 | 15 28 | 0 8 | 10 10 | 12 34 | 22 43 | 22 35 | 1 59 | 18 7 | 4 56 | |
| T 20 | 20 0 | 2s47 | 4 27 | 15 12 | 0 41 | 5 30 | 0 36 | 20 18 | 1 1 | 5 25 | 1 17 | 22 6 | 1 6 | 22 7 | 0 7 | 15 28 | 0 8 | 10 10 | 12 34 | 22 42 | 22 35 | 1 56 | 18 7 | 4 56 | |
| W21 | 19 47 | 7 41 | 3 49 | 14 57 | 1 0 | 5 1 | 0 30 | 20 7 | 1 1 | 5 25 | 1 17 | 22 6 | 1 6 | 22 7 | 0 7 | 15 27 | 0 8 | 10 10 | 12 34 | 22 42 | 22 34 | 1 54 | 18 7 | 4 57 | |
| T 22 | 19 33 | 12 21 | 3 1 | 14 46 | 1 19 | 4 32 | 0 24 | 19 56 | 1 1 | 5 26 | 1 18 | 22 6 | 1 6 | 22 8 | 0 7 | 15 26 | 0 8 | 10 10 | 12 34 | 22 42 | 22 34 | 1 51 | 18 7 | 4 57 | |
| F 23 | 19 19 | 16 36 | 2 4 | 14 37 | 1 37 | 4 3 | 0 18 | 19 45 | 1 2 | 5 26 | 1 18 | 22 5 | 1 6 | 22 8 | 0 7 | 15 26 | 0 8 | 10 10 | 12 35 | 22 42 | 22 34 | 1 48 | 18 7 | 4 58 | |
| S 24 | 19 5 | 20 15 | 1 0 | 14 32 | 1 56 | 3 34 | 0 12 | 19 34 | 1 2 | 5 26 | 1 18 | 22 5 | 1 6 | 22 8 | 0 7 | 15 25 | 0 8 | 10 10 | 12 35 | 22 43 | 22 33 | 1 45 | 18 7 | 4 58 | |
| S 25 | 18 50 | 23 1 | 0s 9 | 14 31 | 2 14 | 3 5 | 0 6 | 19 23 | 1 2 | 5 26 | 1 19 | 22 5 | 1 6 | 22 9 | 0 7 | 15 24 | 0 8 | 10 10 | 12 35 | 22 43 | 22 33 | 1 42 | 18 6 | 4 59 | |
| M26 | 18 35 | 24 37 | 1 19 | 14 33 | 2 30 | 2 36 | 0n 0 | 19 11 | 1 2 | 5 27 | 1 19 | 22 5 | 1 6 | 22 9 | 0 7 | 15 24 | 0 8 | 10 10 | 12 35 | 22 42 | 22 33 | 1 39 | 18 6 | 4 59 | |
| T 27 | 18 20 | 24 49 | 2 27 | 14 38 | 2 45 | 2 7 | 0 7 | 18 59 | 1 2 | 5 27 | 1 19 | 22 4 | 1 6 | 22 9 | 0 7 | 15 23 | 0 8 | 10 9 | 12 36 | 22 42 | 22 32 | 1 36 | 18 6 | 5 0 | |
| W28 | 18 5 | 23 27 | 3 28 | 14 45 | 2 59 | 1 38 | 0 13 | 18 47 | 1 2 | 5 27 | 1 19 | 22 4 | 1 6 | 22 10 | 0 7 | 15 22 | 0 8 | 10 9 | 12 36 | 22 42 | 22 32 | 1 33 | 18 6 | 5 0 | |
| T 29 | 17 49 | 20 33 | 4 17 | 14 55 | 3 9 | 1 9 | 0 20 | 18 35 | 1 3 | 5 27 | 1 20 | 22 4 | 1 6 | 22 10 | 0 7 | 15 22 | 0 8 | 10 9 | 12 36 | 22 41 | 22 32 | 1 30 | 18 6 | 5 1 | |
| F 30 | 17 32 | 16 19 | 4 51 | 15 7 | 3 18 | 0 40 | 0 27 | 18 22 | 1 3 | 5 26 | 1 20 | 22 3 | 1 6 | 22 10 | 0 7 | 15 21 | 0 8 | 10 9 | 12 36 | 22 40 | 22 31 | 1 27 | 18 5 | 5 1 | |
| S 31 | 17s16 | 11s 4 | 5s 5 | 15s21 | 3n24 | 0s11 | 0n34 | 18s10 | 1s 3 | 5s26 | 1n20 | 22s 3 | 1n 6 | 22s11 | 0n 7 | 15s20 | 0n 8 | 10s 9 | 12n37 | 22n39 | 22n31 | 1n24 | 18s 5 | 5n 2 | |

Julian Day Number = 2812770.5, Delta T = 53m41s
Ecliptic obliquity = 23°18'42, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°35'06, Lahiri = 37°42'06


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# ASTRODIENST EPHEMERIS for the year 2989
# geocentric

## FEBRUARY 2989 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 48 9 | 12♒26'17 | 28♓25 | 4°R58 | 29♓ 8 | 12♒36 | 17°R 4 | 6♑46 | 13♐27 | 17♒40 | 17♐20 | 16°R35 | 15♊21 | 7♎40 | 22♐45 | S 1 |
| M 2 | 8 52 5 | 13°27'21 | 13♈ 1 | 3♒52 | 0♈ 3 | 13°23 | 17♎ 4 | 6°53 | 13°29 | 17°42 | 17°22 | 16♊29 | 15°18 | 7°46 | 22°51 | M 2 |
| T 3 | 8 56 2 | 14°28'24 | 27°24 | 2°53 | 0°58 | 14° 9 | 17° 3 | 6°59 | 13°32 | 17°44 | 17°23 | 16°26 | 15°15 | 7°53 | 22°56 | T 3 |
| W 4 | 8 59 58 | 15°29'27 | 11♉30 | 2° 3 | 1°52 | 14°56 | 17° 2 | 7° 5 | 13°34 | 17°47 | 17°25 | 16°D24 | 15°12 | 8° 0 | 23° 2 | W 4 |
| T 5 | 9 3 55 | 16°30'28 | 25°20 | 1°23 | 2°45 | 15°43 | 17° 1 | 7°11 | 13°36 | 17°49 | 17°26 | 16°24 | 15° 8 | 8° 6 | 23° 8 | T 5 |
| F 6 | 9 7 52 | 17°31'29 | 8♊53 | 0°51 | 3°37 | 16°30 | 17° 0 | 7°17 | 13°38 | 17°51 | 17°28 | 16°25 | 15° 5 | 8°13 | 23°13 | F 6 |
| S 7 | 9 11 48 | 18°32'29 | 22°11 | 0°29 | 4°29 | 17°16 | 16°59 | 7°23 | 13°40 | 17°53 | 17°29 | 16°R25 | 15° 2 | 8°20 | 23°19 | S 7 |
| S 8 | 9 15 45 | 19°33'28 | 5♋16 | 0°16 | 5°20 | 18° 3 | 16°58 | 7°29 | 13°42 | 17°56 | 17°30 | 16°23 | 14°59 | 8°27 | 23°24 | S 8 |
| M 9 | 9 19 41 | 20°34'26 | 18°10 | 0°D11 | 6°10 | 18°50 | 16°56 | 7°35 | 13°44 | 17°58 | 17°32 | 16°19 | 14°56 | 8°33 | 23°29 | M 9 |
| T 10 | 9 23 38 | 21°35'23 | 0♌53 | 0°14 | 7° 0 | 19°37 | 16°54 | 7°40 | 13°46 | 18° 0 | 17°33 | 16°12 | 14°52 | 8°40 | 23°34 | T 10 |
| W11 | 9 27 34 | 22°36'19 | 13°26 | 0°25 | 7°48 | 20°24 | 16°52 | 7°46 | 13°48 | 18° 3 | 17°34 | 16° 2 | 14°49 | 8°47 | 23°40 | W11 |
| T 12 | 9 31 31 | 23°37'15 | 25°49 | 0°43 | 8°36 | 21°11 | 16°50 | 7°52 | 13°50 | 18° 5 | 17°36 | 15°50 | 14°46 | 8°53 | 23°45 | T 12 |
| F 13 | 9 35 27 | 24°38'09 | 8♍ 3 | 1° 7 | 9°22 | 21°58 | 16°47 | 7°58 | 13°52 | 18° 7 | 17°37 | 15°37 | 14°43 | 9° 0 | 23°50 | F 13 |
| S 14 | 9 39 24 | 25°39'03 | 20° 8 | 1°37 | 10° 8 | 22°44 | 16°45 | 8° 3 | 13°54 | 18° 9 | 17°38 | 15°23 | 14°40 | 9° 7 | 23°55 | S 14 |
| S 15 | 9 43 21 | 26°39'56 | 2♎ 6 | 2°12 | 10°53 | 23°31 | 16°42 | 8° 9 | 13°55 | 18°12 | 17°39 | 15°11 | 14°37 | 9°14 | 23°59 | S 15 |
| M16 | 9 47 17 | 27°40'48 | 13°58 | 2°52 | 11°36 | 24°18 | 16°39 | 8°14 | 13°57 | 18°14 | 17°40 | 15° 1 | 14°33 | 9°20 | 24° 4 | M16 |
| T 17 | 9 51 14 | 28°41'39 | 25°48 | 3°37 | 12°19 | 25° 5 | 16°36 | 8°19 | 13°59 | 18°16 | 17°41 | 14°54 | 14°30 | 9°27 | 24° 9 | T 17 |
| W18 | 9 55 10 | 29°42'30 | 7♏39 | 4°26 | 13° 0 | 25°53 | 16°32 | 8°25 | 14° 0 | 18°18 | 17°42 | 14°49 | 14°27 | 9°34 | 24°13 | W18 |
| T 19 | 9 59 7 | 0♓43'19 | 19°35 | 5°18 | 13°40 | 26°40 | 16°29 | 8°30 | 14° 2 | 18°21 | 17°43 | 14°47 | 14°24 | 9°40 | 24°18 | T 19 |
| F 20 | 10 3 3 | 1°44'08 | 1♐43 | 6°13 | 14°19 | 27°27 | 16°25 | 8°35 | 14° 3 | 18°23 | 17°44 | 14°D46 | 14°21 | 9°47 | 24°22 | F 20 |
| S 21 | 10 7 0 | 2°44'57 | 14° 6 | 7°12 | 14°57 | 28°14 | 16°21 | 8°40 | 14° 5 | 18°25 | 17°45 | 14°R46 | 14°17 | 9°54 | 24°27 | S 21 |
| S 22 | 10 10 56 | 3°45'44 | 26°50 | 8°13 | 15°34 | 29° 1 | 16°17 | 8°45 | 14° 6 | 18°27 | 17°46 | 14°46 | 14°14 | 10° 1 | 24°31 | S 22 |
| M23 | 10 14 53 | 4°46'31 | 10♑ 1 | 9°17 | 16° 9 | 29°48 | 16°13 | 8°50 | 14° 7 | 18°29 | 17°47 | 14°44 | 14°11 | 10° 7 | 24°35 | M23 |
| T 24 | 10 18 50 | 5°47'16 | 23°40 | 10°23 | 16°42 | 0♓35 | 16° 9 | 8°55 | 14° 9 | 18°32 | 17°48 | 14°39 | 14° 8 | 10°14 | 24°39 | T 24 |
| W25 | 10 22 46 | 6°48'01 | 7♒49 | 11°31 | 17°14 | 1°22 | 16° 4 | 9° 0 | 14°10 | 18°34 | 17°49 | 14°31 | 14° 5 | 10°21 | 24°43 | W25 |
| T 26 | 10 26 43 | 7°48'44 | 22°24 | 12°42 | 17°45 | 2°10 | 16° 0 | 9° 5 | 14°11 | 18°36 | 17°50 | 14°22 | 14° 2 | 10°27 | 24°47 | T 26 |
| F 27 | 10 30 39 | 8°49'27 | 7♓21 | 13°54 | 18°14 | 2°57 | 15°55 | 9°10 | 14°12 | 18°38 | 17°51 | 14°10 | 13°58 | 10°34 | 24°51 | F 27 |
| S 28 | 10 34 36 | 9♓50'08 | 22♓29 | 15♒ 8 | 18♈41 | 3♓44 | 15♎50 | 9♑14 | 14♐13 | 18♒40 | 17♐51 | 13♊58 | 13♊55 | 10♎41 | 24♐55 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s59 | 5s12 | 4s59 | 15s35 | 3n27 | 0n18 | 0n42 | 17s57 | 1s 3 | 5s26 | 1n20 | 22s 3 | 1n 6 | 22s11 | 0n 7 | 15s20 | 0n 8 | 10s 9 | 12n37 | 22n38 | 22n31 | 1n21 | 18s 5 | 5n 2 |
| M 2 | 16 42 | 0n55 | 4 33 | 15 49 | 3 27 | 0 46 | 0 49 | 17 44 | 1 3 | 5 25 | 1 21 | 22 3 | 1 6 | 22 11 | 0 7 | 15 19 | 0 8 | 10 9 | 12 37 | 22 38 | 22 30 | 1 18 | 18 5 | 5 3 |
| T 3 | 16 24 | 6 54 | 3 51 | 16 4 | 3 26 | 1 15 | 0 57 | 17 30 | 1 3 | 5 25 | 1 21 | 22 2 | 1 6 | 22 11 | 0 7 | 15 18 | 0 8 | 10 9 | 12 38 | 22 37 | 22 30 | 1 16 | 18 5 | 5 3 |
| W 4 | 16 6 | 12 25 | 2 55 | 16 18 | 3 22 | 1 43 | 1 4 | 17 17 | 1 4 | 5 25 | 1 21 | 22 2 | 1 6 | 22 12 | 0 7 | 15 18 | 0 8 | 10 8 | 12 38 | 22 37 | 22 30 | 1 13 | 18 4 | 5 4 |
| T 5 | 15 48 | 17 13 | 1 50 | 16 32 | 3 17 | 2 12 | 1 12 | 17 3 | 1 4 | 5 24 | 1 21 | 22 2 | 1 6 | 22 12 | 0 7 | 15 17 | 0 8 | 10 8 | 12 38 | 22 37 | 22 29 | 1 10 | 18 4 | 5 5 |
| F 6 | 15 30 | 21 0 | 0 40 | 16 46 | 3 10 | 2 40 | 1 20 | 16 50 | 1 4 | 5 23 | 1 22 | 22 1 | 1 6 | 22 12 | 0 7 | 15 16 | 0 8 | 10 8 | 12 38 | 22 37 | 22 29 | 1 7 | 18 4 | 5 5 |
| S 7 | 15 11 | 23 36 | 0n31 | 16 58 | 3 2 | 3 8 | 1 29 | 16 36 | 1 4 | 5 23 | 1 22 | 22 1 | 1 6 | 22 12 | 0 7 | 15 15 | 0 8 | 10 8 | 12 39 | 22 37 | 22 29 | 1 4 | 18 3 | 5 6 |
| S 8 | 14 52 | 24 51 | 1 39 | 17 10 | 2 53 | 3 35 | 1 37 | 16 21 | 1 4 | 5 22 | 1 22 | 22 1 | 1 6 | 22 13 | 0 7 | 15 15 | 0 8 | 10 8 | 12 39 | 22 37 | 22 28 | 1 1 | 18 3 | 5 6 |
| M 9 | 14 33 | 24 44 | 2 40 | 17 20 | 2 44 | 4 3 | 1 45 | 16 7 | 1 4 | 5 21 | 1 22 | 22 0 | 1 6 | 22 13 | 0 7 | 15 14 | 0 8 | 10 8 | 12 39 | 22 37 | 22 28 | 0 58 | 18 3 | 5 7 |
| T 10 | 14 14 | 23 19 | 3 33 | 17 30 | 2 33 | 4 30 | 1 54 | 15 53 | 1 4 | 5 20 | 1 23 | 22 0 | 1 6 | 22 13 | 0 7 | 15 13 | 0 8 | 10 7 | 12 40 | 22 36 | 22 28 | 0 55 | 18 2 | 5 7 |
| W11 | 13 54 | 20 46 | 4 15 | 17 38 | 2 23 | 4 58 | 2 3 | 15 38 | 1 4 | 5 19 | 1 23 | 22 0 | 1 6 | 22 13 | 0 7 | 15 13 | 0 8 | 10 7 | 12 40 | 22 35 | 22 27 | 0 52 | 18 2 | 5 8 |
| T 12 | 13 35 | 17 17 | 4 43 | 17 45 | 2 12 | 5 24 | 2 11 | 15 23 | 1 4 | 5 18 | 1 23 | 21 59 | 1 6 | 22 14 | 0 7 | 15 12 | 0 8 | 10 7 | 12 40 | 22 34 | 22 27 | 0 49 | 18 2 | 5 9 |
| F 13 | 13 14 | 13 7 | 4 59 | 17 51 | 2 0 | 5 51 | 2 20 | 15 8 | 1 5 | 5 17 | 1 23 | 21 59 | 1 6 | 22 14 | 0 7 | 15 11 | 0 8 | 10 7 | 12 41 | 22 32 | 22 26 | 0 46 | 18 1 | 5 9 |
| S 14 | 12 54 | 8 29 | 5 0 | 17 55 | 1 49 | 6 17 | 2 30 | 14 53 | 1 5 | 5 15 | 1 24 | 21 59 | 1 6 | 22 14 | 0 7 | 15 11 | 0 8 | 10 7 | 12 41 | 22 31 | 22 26 | 0 43 | 18 1 | 5 10 |
| S 15 | 12 34 | 3 35 | 4 48 | 17 59 | 1 38 | 6 43 | 2 39 | 14 38 | 1 5 | 5 14 | 1 24 | 21 58 | 1 6 | 22 14 | 0 7 | 15 10 | 0 8 | 10 6 | 12 41 | 22 30 | 22 26 | 0 40 | 18 0 | 5 11 |
| M16 | 12 13 | 1s25 | 4 24 | 18 1 | 1 26 | 7 9 | 2 48 | 14 22 | 1 5 | 5 13 | 1 24 | 21 58 | 1 6 | 22 15 | 0 7 | 15 9 | 0 8 | 10 6 | 12 41 | 22 29 | 22 25 | 0 37 | 18 0 | 5 11 |
| T 17 | 11 52 | 6 22 | 3 49 | 18 1 | 1 15 | 7 34 | 2 58 | 14 6 | 1 5 | 5 11 | 1 24 | 21 58 | 1 6 | 22 15 | 0 7 | 15 9 | 0 8 | 10 6 | 12 42 | 22 28 | 22 25 | 0 34 | 17 59 | 5 12 |
| W18 | 11 31 | 11 6 | 3 3 | 18 1 | 1 4 | 7 59 | 3 8 | 13 51 | 1 5 | 5 10 | 1 25 | 21 57 | 1 6 | 22 15 | 0 7 | 15 8 | 0 8 | 10 6 | 12 42 | 22 27 | 22 25 | 0 31 | 17 59 | 5 13 |
| T 19 | 11 10 | 15 28 | 2 9 | 17 59 | 0 53 | 8 24 | 3 17 | 13 35 | 1 5 | 5 8 | 1 25 | 21 57 | 1 6 | 22 15 | 0 7 | 15 7 | 0 8 | 10 5 | 12 42 | 22 27 | 22 24 | 0 28 | 17 58 | 5 13 |
| F 20 | 10 48 | 19 16 | 1 9 | 17 56 | 0 43 | 8 48 | 3 27 | 13 19 | 1 5 | 5 7 | 1 25 | 21 56 | 1 6 | 22 15 | 0 7 | 15 7 | 0 8 | 10 5 | 12 43 | 22 27 | 22 24 | 0 25 | 17 58 | 5 14 |
| S 21 | 10 26 | 22 19 | 0 4 | 17 51 | 0 32 | 9 12 | 3 37 | 13 3 | 1 5 | 5 5 | 1 25 | 21 56 | 1 6 | 22 15 | 0 7 | 15 6 | 0 8 | 10 5 | 12 43 | 22 27 | 22 24 | 0 22 | 17 58 | 5 14 |
| S 22 | 10 5 | 24 20 | 1s 3 | 17 46 | 0 22 | 9 35 | 3 47 | 12 46 | 1 5 | 5 3 | 1 26 | 21 56 | 1 6 | 22 16 | 0 7 | 15 5 | 0 8 | 10 5 | 12 43 | 22 27 | 22 23 | 0 20 | 17 57 | 5 15 |
| M23 | 9 43 | 25 5 | 2 9 | 17 38 | 0 12 | 9 58 | 3 57 | 12 30 | 1 5 | 5 1 | 1 26 | 21 55 | 1 6 | 22 16 | 0 7 | 15 5 | 0 8 | 10 4 | 12 44 | 22 27 | 22 23 | 0 17 | 17 57 | 5 16 |
| T 24 | 9 20 | 24 22 | 3 10 | 17 30 | 0 3 | 10 21 | 4 8 | 12 13 | 1 5 | 5 0 | 1 26 | 21 55 | 1 6 | 22 16 | 0 7 | 15 4 | 0 8 | 10 4 | 12 44 | 22 26 | 22 22 | 0 14 | 17 56 | 5 17 |
| W25 | 8 58 | 22 6 | 4 1 | 17 21 | 0s 7 | 10 43 | 4 18 | 11 57 | 1 5 | 4 58 | 1 26 | 21 55 | 1 6 | 22 16 | 0 7 | 15 3 | 0 8 | 10 4 | 12 45 | 22 25 | 22 22 | 0 11 | 17 55 | 5 17 |
| T 26 | 8 36 | 18 22 | 4 39 | 17 10 | 0 16 | 11 4 | 4 29 | 11 40 | 1 5 | 4 56 | 1 26 | 21 54 | 1 6 | 22 16 | 0 7 | 15 3 | 0 8 | 10 4 | 12 45 | 22 24 | 22 22 | 0 8 | 17 55 | 5 18 |
| F 27 | 8 13 | 13 23 | 4 58 | 16 58 | 0 25 | 11 25 | 4 39 | 11 23 | 1 5 | 4 54 | 1 27 | 21 54 | 1 6 | 22 16 | 0 7 | 15 2 | 0 8 | 10 3 | 12 45 | 22 23 | 22 21 | 0 5 | 17 54 | 5 19 |
| S 28 | 7s50 | 7s31 | 4s57 | 16s44 | 0s33 | 11n45 | 4n50 | 11s 6 | 1s 5 | 4s52 | 1n27 | 21s54 | 1n 6 | 22s16 | 0n 7 | 15s 1 | 0n 8 | 10s 3 | 12n46 | 22n21 | 22n21 | 0n 2 | 17s54 | 5n19 |

Julian Day Number = 2812801.5, Delta T = 53m41s
Ecliptic obliquity = 23°18'43, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°35'10, Lahiri = 37°42'11


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# ASTRODIENST EPHEMERIS for the year 2989
# geocentric

## MARCH 2989 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 38 32 | 10♓50'47 | 7♈38 | 16♒24 | 19♈ 7 | 4♓31 | 15°R44 | 9♉19 | 14♐14 | 18♒43 | 17♐52 | 13°R47 | 13♊52 | 10♎47 | 24♐58 | S 1 |
| M 2 | 10 42 29 | 11°51'25 | 22°37 | 17°41 | 19°31 | 5°19 | 15♎39 | 9°23 | 14°15 | 18°45 | 17°53 | 13♊39 | 13°49 | 10°54 | 25° 2 | M 2 |
| T 3 | 10 46 25 | 12°52'02 | 7♉20 | 19° 0 | 19°53 | 6° 6 | 15°34 | 9°28 | 14°16 | 18°47 | 17°53 | 13°33 | 13°46 | 11° 1 | 25° 5 | T 3 |
| W 4 | 10 50 22 | 13°52'36 | 21°40 | 20°20 | 20°13 | 6°53 | 15°28 | 9°32 | 14°17 | 18°49 | 17°54 | 13°30 | 13°43 | 11° 8 | 25° 9 | W 4 |
| T 5 | 10 54 18 | 14°53'10 | 5♊36 | 21°41 | 20°31 | 7°40 | 15°22 | 9°36 | 14°17 | 18°51 | 17°54 | 13°29 | 13°39 | 11°14 | 25°12 | T 5 |
| F 6 | 10 58 15 | 15°53'41 | 19° 8 | 23° 4 | 20°47 | 8°28 | 15°16 | 9°41 | 14°18 | 18°53 | 17°55 | 13°29 | 13°36 | 11°21 | 25°15 | F 6 |
| S 7 | 11 2 12 | 16°54'11 | 2♋20 | 24°27 | 21° 1 | 9°15 | 15°10 | 9°45 | 14°19 | 18°55 | 17°55 | 13°28 | 13°33 | 11°28 | 25°18 | S 7 |
| S 8 | 11 6 8 | 17°54'38 | 15°13 | 25°53 | 21°13 | 10° 2 | 15° 4 | 9°49 | 14°19 | 18°57 | 17°56 | 13°26 | 13°30 | 11°34 | 25°21 | S 8 |
| M 9 | 11 10 5 | 18°55'05 | 27°52 | 27°19 | 21°23 | 10°50 | 14°58 | 9°53 | 14°20 | 18°59 | 17°56 | 13°21 | 13°27 | 11°41 | 25°24 | M 9 |
| T 10 | 11 14 1 | 19°55'29 | 10♌19 | 28°46 | 21°30 | 11°37 | 14°52 | 9°57 | 14°21 | 19° 1 | 17°57 | 13°13 | 13°23 | 11°48 | 25°27 | T 10 |
| W11 | 11 17 58 | 20°55'51 | 22°37 | 0♓14 | 21°35 | 12°24 | 14°45 | 10° 0 | 14°21 | 19° 3 | 17°57 | 13° 3 | 13°20 | 11°55 | 25°30 | W11 |
| T 12 | 11 21 54 | 21°56'12 | 4♍47 | 1°44 | 21°37 | 13°12 | 14°38 | 10° 4 | 14°21 | 19° 5 | 17°57 | 12°50 | 13°17 | 12° 1 | 25°32 | T 12 |
| F 13 | 11 25 51 | 22°56'31 | 16°50 | 3°14 | 21°R37 | 13°59 | 14°32 | 10° 8 | 14°22 | 19° 7 | 17°58 | 12°35 | 13°14 | 12° 8 | 25°35 | F 13 |
| S 14 | 11 29 47 | 23°56'48 | 28°48 | 4°46 | 21°35 | 14°46 | 14°25 | 10°11 | 14°22 | 19° 9 | 17°58 | 12°21 | 13°11 | 12°15 | 25°37 | S 14 |
| S 15 | 11 33 44 | 24°57'04 | 10♎42 | 6°19 | 21°30 | 15°34 | 14°18 | 10°15 | 14°22 | 19°11 | 17°58 | 12° 8 | 13° 8 | 12°21 | 25°39 | S 15 |
| M16 | 11 37 41 | 25°57'18 | 22°33 | 7°52 | 21°22 | 16°21 | 14°11 | 10°18 | 14°22 | 19°13 | 17°58 | 11°56 | 13° 4 | 12°28 | 25°42 | M16 |
| T 17 | 11 41 37 | 26°57'30 | 4♏22 | 9°27 | 21°13 | 17° 8 | 14° 4 | 10°21 | 14°22 | 19°15 | 17°58 | 11°48 | 13° 1 | 12°35 | 25°44 | T 17 |
| W18 | 11 45 34 | 27°57'41 | 16°14 | 11° 3 | 21° 0 | 17°56 | 13°57 | 10°24 | 14°23 | 19°17 | 17°58 | 11°42 | 12°58 | 12°41 | 25°46 | W18 |
| T 19 | 11 49 30 | 28°57'51 | 28°11 | 12°40 | 20°45 | 18°43 | 13°49 | 10°27 | 14°R23 | 19°19 | 17°59 | 11°39 | 12°55 | 12°48 | 25°48 | T 19 |
| F 20 | 11 53 27 | 29°57'59 | 10♐18 | 14°18 | 20°28 | 19°30 | 13°42 | 10°30 | 14°23 | 19°21 | 17°R59 | 11°D39 | 12°52 | 12°55 | 25°49 | F 20 |
| S 21 | 11 57 23 | 0♈58'05 | 22°39 | 15°57 | 20° 8 | 20°18 | 13°35 | 10°33 | 14°22 | 19°22 | 17°59 | 11°39 | 12°49 | 13° 2 | 25°51 | S 21 |
| S 22 | 12 1 20 | 1°58'10 | 5♉19 | 17°37 | 19°46 | 21° 5 | 13°27 | 10°36 | 14°22 | 19°24 | 17°59 | 11°R39 | 12°45 | 13° 8 | 25°53 | S 22 |
| M23 | 12 5 16 | 2°58'14 | 18°23 | 19°18 | 19°22 | 21°52 | 13°20 | 10°39 | 14°22 | 19°26 | 17°58 | 11°38 | 12°42 | 13°15 | 25°54 | M23 |
| T 24 | 12 9 13 | 3°58'16 | 1♒55 | 21° 1 | 18°55 | 22°40 | 13°12 | 10°42 | 14°22 | 19°28 | 17°58 | 11°35 | 12°39 | 13°22 | 25°55 | T 24 |
| W25 | 12 13 10 | 4°58'17 | 15°57 | 22°44 | 18°27 | 23°27 | 13° 5 | 10°44 | 14°22 | 19°30 | 17°58 | 11°29 | 12°36 | 13°28 | 25°57 | W25 |
| T 26 | 12 17 6 | 5°58'15 | 0♓28 | 24°29 | 17°57 | 24°14 | 12°57 | 10°47 | 14°21 | 19°31 | 17°58 | 11°21 | 12°33 | 13°35 | 25°58 | T 26 |
| F 27 | 12 21 3 | 6°58'12 | 15°24 | 26°15 | 17°25 | 25° 2 | 12°49 | 10°49 | 14°21 | 19°33 | 17°58 | 11°12 | 12°29 | 13°42 | 25°59 | F 27 |
| S 28 | 12 24 59 | 7°58'08 | 0♈37 | 28° 1 | 16°52 | 25°49 | 12°41 | 10°51 | 14°20 | 19°35 | 17°58 | 11° 2 | 12°26 | 13°48 | 26° 0 | S 28 |
| S 29 | 12 28 56 | 8°58'01 | 15°56 | 29°50 | 16°17 | 26°36 | 12°34 | 10°53 | 14°20 | 19°36 | 17°57 | 10°53 | 12°23 | 13°55 | 26° 1 | S 29 |
| M30 | 12 32 52 | 9°57'53 | 1♉11 | 1♈39 | 15°41 | 27°23 | 12°26 | 10°55 | 14°19 | 19°38 | 17°57 | 10°46 | 12°20 | 14° 2 | 26° 2 | M30 |
| T 31 | 12 36 49 | 10♈57'42 | 16♉10 | 3♈29 | 15♈ 5 | 28♓11 | 12♎18 | 10♉57 | 14♐19 | 19♒39 | 17♐57 | 10♊41 | 12♊17 | 14♎ 9 | 26♐ 2 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7s28 | 1s12 | 4s35 | 16s30 | 0s41 | 12n 5 | 5n 0 | 10s49 | 1s 5 | 4s49 | 1n27 | 21s53 | 1n 6 | 22s17 | 0n 7 | 15s 1 | 0n 8 | 10s 3 | 12n46 | 22n20 | 22n21 | 0s 1 | 17s53 | 5n20 |
| M 2 | 7 5 | 5n 8 | 3 54 | 16 14 | 0 49 | 12 24 | 5 11 | 10 31 | 1 5 | 4 47 | 1 27 | 21 53 | 1 6 | 22 17 | 0 7 | 15 0 | 0 8 | 10 2 | 12 46 | 22 19 | 22 20 | 0 4 | 17 53 | 5 21 |
| T 3 | 6 42 | 11 4 | 2 58 | 15 57 | 0 57 | 12 42 | 5 22 | 10 14 | 1 5 | 4 45 | 1 27 | 21 53 | 1 6 | 22 17 | 0 7 | 14 59 | 0 8 | 10 2 | 12 47 | 22 18 | 22 20 | 0 7 | 17 52 | 5 21 |
| W 4 | 6 19 | 16 16 | 1 52 | 15 39 | 1 4 | 13 0 | 5 33 | 9 56 | 1 5 | 4 43 | 1 28 | 21 52 | 1 6 | 22 17 | 0 7 | 14 59 | 0 8 | 10 2 | 12 47 | 22 18 | 22 19 | 0 10 | 17 52 | 5 22 |
| T 5 | 5 55 | 20 26 | 0 42 | 15 19 | 1 11 | 13 16 | 5 43 | 9 39 | 1 5 | 4 40 | 1 28 | 21 52 | 1 6 | 22 17 | 0 7 | 14 58 | 0 8 | 10 1 | 12 47 | 22 18 | 22 19 | 0 13 | 17 51 | 5 23 |
| F 6 | 5 32 | 23 22 | 0n30 | 14 59 | 1 17 | 13 32 | 5 54 | 9 21 | 1 5 | 4 38 | 1 28 | 21 52 | 1 6 | 22 17 | 0 7 | 14 57 | 0 8 | 10 1 | 12 48 | 22 18 | 22 19 | 0 16 | 17 50 | 5 24 |
| S 7 | 5 9 | 24 55 | 1 38 | 14 37 | 1 24 | 13 47 | 6 5 | 9 3 | 1 5 | 4 35 | 1 28 | 21 51 | 1 6 | 22 17 | 0 7 | 14 57 | 0 8 | 10 1 | 12 48 | 22 18 | 22 18 | 0 19 | 17 50 | 5 24 |
| S 8 | 4 45 | 25 5 | 2 39 | 14 14 | 1 30 | 14 2 | 6 15 | 8 46 | 1 5 | 4 33 | 1 28 | 21 51 | 1 6 | 22 17 | 0 7 | 14 56 | 0 8 | 10 0 | 12 48 | 22 17 | 22 18 | 0 22 | 17 49 | 5 25 |
| M 9 | 4 22 | 23 56 | 3 31 | 13 50 | 1 35 | 14 15 | 6 26 | 8 28 | 1 4 | 4 30 | 1 28 | 21 51 | 1 6 | 22 17 | 0 7 | 14 56 | 0 8 | 10 0 | 12 49 | 22 17 | 22 18 | 0 25 | 17 48 | 5 26 |
| T 10 | 3 58 | 21 37 | 4 12 | 13 25 | 1 40 | 14 27 | 6 36 | 8 10 | 1 4 | 4 28 | 1 29 | 21 50 | 1 6 | 22 17 | 0 7 | 14 55 | 0 8 | 10 0 | 12 49 | 22 16 | 22 17 | 0 28 | 17 48 | 5 26 |
| W11 | 3 35 | 18 20 | 4 41 | 12 58 | 1 45 | 14 38 | 6 46 | 7 52 | 1 4 | 4 25 | 1 29 | 21 50 | 1 6 | 22 17 | 0 7 | 14 54 | 0 8 | 10 0 | 12 50 | 22 15 | 22 17 | 0 31 | 17 47 | 5 27 |
| T 12 | 3 11 | 14 19 | 4 57 | 12 31 | 1 50 | 14 49 | 6 56 | 7 34 | 1 4 | 4 22 | 1 29 | 21 50 | 1 6 | 22 17 | 0 7 | 14 54 | 0 8 | 9 59 | 12 50 | 22 13 | 22 16 | 0 34 | 17 47 | 5 28 |
| F 13 | 2 47 | 9 46 | 4 59 | 12 2 | 1 54 | 14 58 | 7 6 | 7 15 | 1 4 | 4 20 | 1 29 | 21 49 | 1 6 | 22 18 | 0 7 | 14 53 | 0 8 | 9 59 | 12 50 | 22 11 | 22 16 | 0 37 | 17 46 | 5 29 |
| S 14 | 2 24 | 4 53 | 4 48 | 11 32 | 1 58 | 15 6 | 7 15 | 6 57 | 1 4 | 4 17 | 1 29 | 21 49 | 1 6 | 22 18 | 0 7 | 14 52 | 0 8 | 9 59 | 12 51 | 22 9 | 22 16 | 0 40 | 17 45 | 5 29 |
| S 15 | 2 0 | 0s10 | 4 24 | 11 1 | 2 1 | 15 12 | 7 24 | 6 39 | 1 4 | 4 14 | 1 29 | 21 49 | 1 6 | 22 18 | 0 7 | 14 52 | 0 8 | 9 58 | 12 51 | 22 8 | 22 15 | 0 43 | 17 45 | 5 30 |
| M16 | 1 36 | 5 11 | 3 49 | 10 29 | 2 4 | 15 17 | 7 33 | 6 20 | 1 4 | 4 11 | 1 29 | 21 49 | 1 6 | 22 18 | 0 7 | 14 51 | 0 8 | 9 58 | 12 51 | 22 6 | 22 15 | 0 46 | 17 44 | 5 31 |
| T 17 | 1 12 | 10 1 | 3 4 | 9 56 | 2 7 | 15 21 | 7 42 | 6 2 | 1 4 | 4 8 | 1 30 | 21 48 | 1 7 | 22 18 | 0 7 | 14 51 | 0 8 | 9 57 | 12 52 | 22 5 | 22 14 | 0 49 | 17 43 | 5 32 |
| W18 | 0 48 | 14 31 | 2 10 | 9 22 | 2 9 | 15 24 | 7 50 | 5 43 | 1 3 | 4 6 | 1 30 | 21 48 | 1 7 | 22 18 | 0 7 | 14 50 | 0 8 | 9 57 | 12 52 | 22 4 | 22 14 | 0 52 | 17 42 | 5 32 |
| T 19 | 0 25 | 18 30 | 1 11 | 8 47 | 2 11 | 15 25 | 7 57 | 5 25 | 1 3 | 4 3 | 1 30 | 21 48 | 1 7 | 22 18 | 0 7 | 14 50 | 0 8 | 9 57 | 12 52 | 22 4 | 22 14 | 0 55 | 17 42 | 5 33 |
| F 20 | 0 1 | 21 45 | 0 7 | 8 11 | 2 12 | 15 25 | 8 4 | 5 6 | 1 3 | 4 0 | 1 30 | 21 47 | 1 7 | 22 18 | 0 7 | 14 49 | 0 8 | 9 56 | 12 53 | 22 4 | 22 13 | 0 58 | 17 41 | 5 34 |
| S 21 | 0n23 | 24 5 | 0s58 | 7 34 | 2 13 | 15 24 | 8 11 | 4 47 | 1 3 | 3 57 | 1 30 | 21 47 | 1 7 | 22 18 | 0 7 | 14 48 | 0 8 | 9 56 | 12 53 | 22 4 | 22 13 | 1 1 | 17 40 | 5 35 |
| S 22 | 0 47 | 25 15 | 2 2 | 6 55 | 2 14 | 15 20 | 8 16 | 4 29 | 1 3 | 3 54 | 1 30 | 21 47 | 1 7 | 22 18 | 0 7 | 14 48 | 0 8 | 9 56 | 12 53 | 22 4 | 22 12 | 1 4 | 17 40 | 5 35 |
| M23 | 1 10 | 25 4 | 3 2 | 6 16 | 2 14 | 15 16 | 8 21 | 4 10 | 1 3 | 3 51 | 1 30 | 21 47 | 1 7 | 22 18 | 0 7 | 14 47 | 0 8 | 9 55 | 12 54 | 22 4 | 22 12 | 1 7 | 17 39 | 5 36 |
| T 24 | 1 34 | 23 26 | 3 54 | 5 36 | 2 14 | 15 10 | 8 26 | 3 51 | 1 2 | 3 48 | 1 30 | 21 46 | 1 7 | 22 18 | 0 7 | 14 47 | 0 8 | 9 55 | 12 54 | 22 3 | 22 12 | 1 10 | 17 38 | 5 37 |
| W25 | 1 58 | 20 20 | 4 34 | 4 54 | 2 13 | 15 2 | 8 29 | 3 32 | 1 2 | 3 45 | 1 30 | 21 46 | 1 7 | 22 18 | 0 7 | 14 46 | 0 8 | 9 55 | 12 54 | 22 2 | 22 11 | 1 13 | 17 37 | 5 38 |
| T 26 | 2 22 | 15 53 | 4 58 | 4 12 | 2 12 | 14 53 | 8 32 | 3 14 | 1 2 | 3 42 | 1 30 | 21 46 | 1 7 | 22 17 | 0 7 | 14 46 | 0 8 | 9 54 | 12 55 | 22 1 | 22 11 | 1 16 | 17 37 | 5 38 |
| F 27 | 2 45 | 10 22 | 5 2 | 3 29 | 2 10 | 14 42 | 8 34 | 2 55 | 1 2 | 3 39 | 1 30 | 21 46 | 1 7 | 22 17 | 0 7 | 14 45 | 0 8 | 9 54 | 12 55 | 22 0 | 22 10 | 1 19 | 17 36 | 5 39 |
| S 28 | 3 9 | 4 8 | 4 46 | 2 45 | 2 8 | 14 31 | 8 35 | 2 36 | 1 2 | 3 36 | 1 31 | 21 46 | 1 7 | 22 17 | 0 7 | 14 45 | 0 8 | 9 54 | 12 56 | 21 59 | 22 10 | 1 22 | 17 35 | 5 40 |
| S 29 | 3 32 | 2n24 | 4 9 | 1 59 | 2 6 | 14 17 | 8 35 | 2 17 | 1 1 | 3 33 | 1 31 | 21 45 | 1 7 | 22 17 | 0 7 | 14 44 | 0 8 | 9 53 | 12 56 | 21 57 | 22 10 | 1 25 | 17 35 | 5 41 |
| M30 | 3 56 | 8 47 | 3 14 | 1 13 | 2 3 | 14 3 | 8 34 | 1 58 | 1 1 | 3 30 | 1 31 | 21 45 | 1 7 | 22 17 | 0 7 | 14 44 | 0 8 | 9 53 | 12 56 | 21 56 | 22 9 | 1 28 | 17 34 | 5 41 |
| T 31 | 4n19 | 14n33 | 2s 7 | 0s27 | 1s59 | 13n47 | 8n32 | 1s39 | 1s 1 | 3s27 | 1n31 | 21s45 | 1n 7 | 22s17 | 0n 7 | 14s43 | 0n 8 | 9s52 | 12n57 | 21n56 | 22n 9 | 1s31 | 17s33 | 5n42 |

Julian Day Number = 2812829.5, Delta T = 53m42s
Ecliptic obliquity = 23°18'43, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°35'14, Lahiri = 37°42'14


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# ASTRODIENST EPHEMERIS for the year 2989
# geocentric

## APRIL 2989 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 40 45 | 11♈57'30 | 0♊46 | 5♈21 | 14°R28 | 28♓58 | 12°R10 | 10♑59 | 14°R18 | 19♒41 | 17°R56 | 10°R38 | 12♊14 | 14♎15 | 26♐ 3 | W 1 |
| T 2 | 12 44 42 | 12°57'15 | 14°55 | 7°14 | 13♈50 | 29°45 | 12♎ 3 | 11° 1 | 14♐17 | 19°43 | 17♐56 | 10°D38 | 12°10 | 14°22 | 26° 3 | T 2 |
| F 3 | 12 48 39 | 13°56'59 | 28°37 | 9° 8 | 13°13 | 0♈33 | 11°55 | 11° 3 | 14°16 | 19°44 | 17°55 | 10♊39 | 12° 7 | 14°29 | 26° 4 | F 3 |
| S 4 | 12 52 35 | 14°56'40 | 11♋53 | 11° 3 | 12°35 | 1°20 | 11°47 | 11° 4 | 14°15 | 19°46 | 17°55 | 10°R40 | 12° 4 | 14°35 | 26° 4 | S 4 |
| S 5 | 12 56 32 | 15°56'18 | 24°47 | 12°59 | 11°58 | 2° 7 | 11°39 | 11° 6 | 14°15 | 19°47 | 17°54 | 10°39 | 12° 1 | 14°42 | 26° 4 | S 5 |
| M 6 | 13 0 28 | 16°55'55 | 7♌22 | 14°57 | 11°22 | 2°54 | 11°31 | 11° 7 | 14°14 | 19°49 | 17°54 | 10°37 | 11°58 | 14°49 | 26°R 4 | M 6 |
| T 7 | 13 4 25 | 17°55'29 | 19°42 | 16°55 | 10°46 | 3°41 | 11°24 | 11° 8 | 14°13 | 19°50 | 17°53 | 10°32 | 11°55 | 14°56 | 26° 4 | T 7 |
| W 8 | 13 8 21 | 18°55'01 | 1♍51 | 18°55 | 10°12 | 4°28 | 11°16 | 11°10 | 14°12 | 19°51 | 17°53 | 10°26 | 11°51 | 15° 2 | 26° 4 | W 8 |
| T 9 | 13 12 18 | 19°54'31 | 13°52 | 20°55 | 9°38 | 5°16 | 11° 8 | 11°11 | 14°11 | 19°53 | 17°52 | 10°17 | 11°48 | 15° 9 | 26° 3 | T 9 |
| F 10 | 13 16 14 | 20°53'58 | 25°48 | 22°56 | 9° 7 | 6° 3 | 11° 1 | 11°12 | 14° 9 | 19°54 | 17°51 | 10° 8 | 11°45 | 15°16 | 26° 3 | F 10 |
| S 11 | 13 20 11 | 21°53'24 | 7♎40 | 24°58 | 8°37 | 6°50 | 10°53 | 11°12 | 14° 8 | 19°55 | 17°51 | 9°58 | 11°42 | 15°22 | 26° 3 | S 11 |
| S 12 | 13 24 7 | 22°52'47 | 19°31 | 27° 0 | 8° 9 | 7°37 | 10°46 | 11°13 | 14° 7 | 19°57 | 17°50 | 9°49 | 11°39 | 15°29 | 26° 2 | S 12 |
| M13 | 13 28 4 | 23°52'09 | 1♏23 | 29° 3 | 7°43 | 8°24 | 10°38 | 11°14 | 14° 6 | 19°58 | 17°49 | 9°42 | 11°35 | 15°36 | 26° 1 | M13 |
| T 14 | 13 32 1 | 24°51'29 | 13°16 | 1♑ 6 | 7°19 | 9°11 | 10°31 | 11°14 | 14° 5 | 19°59 | 17°48 | 9°36 | 11°32 | 15°42 | 26° 1 | T 14 |
| W15 | 13 35 57 | 25°50'46 | 25°13 | 3° 8 | 6°57 | 9°58 | 10°24 | 11°15 | 14° 3 | 20° 0 | 17°48 | 9°33 | 11°29 | 15°49 | 26° 0 | W15 |
| T 16 | 13 39 54 | 26°50'02 | 7♐16 | 5°10 | 6°38 | 10°45 | 10°16 | 11°15 | 14° 2 | 20° 2 | 17°47 | 9°D32 | 11°26 | 15°56 | 25°59 | T 16 |
| F 17 | 13 43 50 | 27°49'16 | 19°29 | 7°12 | 6°21 | 11°32 | 10° 9 | 11°16 | 14° 0 | 20° 3 | 17°46 | 9°32 | 11°23 | 16° 2 | 25°58 | F 17 |
| S 18 | 13 47 47 | 28°48'29 | 1♑54 | 9°12 | 6° 6 | 12°19 | 10° 2 | 11°16 | 13°59 | 20° 4 | 17°45 | 9°34 | 11°20 | 16° 9 | 25°57 | S 18 |
| S 19 | 13 51 43 | 29°47'40 | 14°36 | 11°11 | 5°54 | 13° 6 | 9°55 | 11°R16 | 13°57 | 20° 5 | 17°44 | 9°35 | 11°16 | 16°16 | 25°55 | S 19 |
| M20 | 13 55 40 | 0♒46'48 | 27°38 | 13° 9 | 5°45 | 13°53 | 9°48 | 11°16 | 13°56 | 20° 6 | 17°43 | 9°R36 | 11°13 | 16°23 | 25°54 | M20 |
| T 21 | 13 59 36 | 1°45'56 | 11♓ 4 | 15° 4 | 5°38 | 14°40 | 9°41 | 11°16 | 13°54 | 20° 7 | 17°42 | 9°36 | 11°10 | 16°29 | 25°52 | T 21 |
| W22 | 14 3 33 | 2°45'01 | 24°56 | 16°56 | 5°33 | 15°27 | 9°35 | 11°16 | 13°52 | 20° 8 | 17°41 | 9°34 | 11° 7 | 16°36 | 25°51 | W22 |
| T 23 | 14 7 30 | 3°44'05 | 9♓14 | 18°46 | 5°D31 | 16°13 | 9°28 | 11°15 | 13°51 | 20° 9 | 17°40 | 9°30 | 11° 4 | 16°43 | 25°49 | T 23 |
| F 24 | 14 11 26 | 4°43'07 | 23°56 | 20°33 | 5°31 | 17° 0 | 9°22 | 11°15 | 13°49 | 20°10 | 17°39 | 9°26 | 11° 0 | 16°49 | 25°48 | F 24 |
| S 25 | 14 15 23 | 5°42'07 | 8♈56 | 22°15 | 5°34 | 17°47 | 9°15 | 11°14 | 13°47 | 20°11 | 17°38 | 9°21 | 10°57 | 16°56 | 25°46 | S 25 |
| S 26 | 14 19 19 | 6°41'06 | 24° 7 | 23°54 | 5°38 | 18°34 | 9° 9 | 11°14 | 13°46 | 20°12 | 17°37 | 9°16 | 10°54 | 17° 3 | 25°44 | S 26 |
| M27 | 14 23 16 | 7°40'02 | 9♉17 | 25°29 | 5°46 | 19°21 | 9° 3 | 11°13 | 13°44 | 20°12 | 17°36 | 9°12 | 10°51 | 17° 9 | 25°42 | M27 |
| T 28 | 14 27 12 | 8°38'57 | 24°19 | 27° 0 | 5°55 | 20° 7 | 8°57 | 11°12 | 13°42 | 20°13 | 17°34 | 9°10 | 10°48 | 17°16 | 25°40 | T 28 |
| W29 | 14 31 9 | 9°37'50 | 9♊ 2 | 28°25 | 6° 6 | 20°54 | 8°51 | 11°11 | 13°40 | 20°14 | 17°33 | 9°D 9 | 10°45 | 17°23 | 25°38 | W29 |
| T 30 | 14 35 5 | 10♉36'40 | 23♊21 | 29♉46 | 6♈20 | 21♈41 | 8♎45 | 11♑10 | 13♐38 | 20♒15 | 17♐32 | 9♊10 | 10♊41 | 17♎30 | 25♐35 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4n42 | 19n21 | 0s53 | 0n21 | 1s55 | 13n30 | 8n30 | 1s20 | 1s 1 | 3s24 | 1n31 | 21s45 | 1n 7 | 22s17 | 0n 7 | 14s43 | 0n 8 | 9s52 | 12n57 | 21n55 | 22n 8 | 1s34 | 17s32 | 5n43 |
| T 2 | 5 5 | 22 51 | 0n23 | 1 10 | 1 50 | 13 12 | 8 26 | 1 1 | 1 0 | 3 21 | 1 31 | 21 45 | 1 7 | 22 17 | 0 7 | 14 42 | 0 8 | 9 52 | 12 57 | 21 55 | 22 8 | 1 37 | 17 32 | 5 44 |
| F 3 | 5 28 | 24 53 | 1 35 | 1 59 | 1 45 | 12 53 | 8 21 | 0 42 | 1 0 | 3 17 | 1 31 | 21 44 | 1 7 | 22 17 | 0 7 | 14 42 | 0 8 | 9 51 | 12 58 | 21 55 | 22 7 | 1 40 | 17 31 | 5 45 |
| S 4 | 5 51 | 25 26 | 2 39 | 2 49 | 1 40 | 12 33 | 8 16 | 0 23 | 1 0 | 3 14 | 1 31 | 21 44 | 1 7 | 22 17 | 0 7 | 14 41 | 0 8 | 9 51 | 12 58 | 21 56 | 22 7 | 1 43 | 17 30 | 5 45 |
| S 5 | 6 14 | 24 34 | 3 34 | 3 40 | 1 34 | 12 12 | 8 9 | 0 4 | 1 0 | 3 11 | 1 31 | 21 44 | 1 7 | 22 17 | 0 7 | 14 41 | 0 8 | 9 51 | 12 58 | 21 55 | 22 7 | 1 46 | 17 29 | 5 46 |
| M 6 | 6 37 | 22 28 | 4 17 | 4 31 | 1 27 | 11 51 | 8 2 | 0n14 | 0 59 | 3 8 | 1 31 | 21 44 | 1 7 | 22 17 | 0 7 | 14 40 | 0 8 | 9 50 | 12 59 | 21 55 | 22 6 | 1 49 | 17 29 | 5 47 |
| T 7 | 7 0 | 19 22 | 4 46 | 5 23 | 1 20 | 11 30 | 7 54 | 0 33 | 0 59 | 3 5 | 1 31 | 21 44 | 1 7 | 22 17 | 0 6 | 14 40 | 0 8 | 9 50 | 12 59 | 21 55 | 22 6 | 1 52 | 17 28 | 5 48 |
| W 8 | 7 22 | 15 28 | 5 3 | 6 15 | 1 12 | 11 8 | 7 45 | 0 52 | 0 59 | 3 3 | 1 31 | 21 44 | 1 7 | 22 16 | 0 6 | 14 40 | 0 8 | 9 50 | 12 59 | 21 54 | 22 5 | 1 55 | 17 27 | 5 48 |
| T 9 | 7 45 | 11 1 | 5 6 | 7 8 | 1 4 | 10 46 | 7 35 | 1 11 | 0 58 | 3 0 | 1 31 | 21 43 | 1 7 | 22 16 | 0 6 | 14 39 | 0 8 | 9 49 | 12 59 | 21 52 | 22 5 | 1 58 | 17 26 | 5 49 |
| F 10 | 8 7 | 6 11 | 4 55 | 8 0 | 0 56 | 10 24 | 7 25 | 1 30 | 0 58 | 2 57 | 1 31 | 21 43 | 1 8 | 22 16 | 0 6 | 14 39 | 0 8 | 9 49 | 13 0 | 21 51 | 22 5 | 2 1 | 17 26 | 5 50 |
| S 11 | 8 29 | 1 8 | 4 32 | 8 53 | 0 47 | 10 2 | 7 14 | 1 49 | 0 58 | 2 54 | 1 31 | 21 43 | 1 8 | 22 16 | 0 6 | 14 38 | 0 8 | 9 49 | 13 0 | 21 50 | 22 4 | 2 4 | 17 25 | 5 51 |
| S 12 | 8 51 | 3s57 | 3 57 | 9 46 | 0 37 | 9 41 | 7 2 | 2 8 | 0 57 | 2 51 | 1 31 | 21 43 | 1 8 | 22 16 | 0 6 | 14 38 | 0 8 | 9 48 | 13 0 | 21 48 | 22 4 | 2 7 | 17 24 | 5 51 |
| M13 | 9 13 | 8 54 | 3 11 | 10 39 | 0 27 | 9 20 | 6 50 | 2 26 | 0 57 | 2 48 | 1 31 | 21 43 | 1 8 | 22 16 | 0 6 | 14 38 | 0 8 | 9 48 | 13 1 | 21 47 | 22 3 | 2 10 | 17 23 | 5 52 |
| T 14 | 9 35 | 13 33 | 2 17 | 11 32 | 0 17 | 8 59 | 6 38 | 2 45 | 0 57 | 2 45 | 1 30 | 21 43 | 1 8 | 22 16 | 0 6 | 14 37 | 0 8 | 9 47 | 13 1 | 21 46 | 22 3 | 2 13 | 17 23 | 5 53 |
| W15 | 9 56 | 17 43 | 1 17 | 12 24 | 0 6 | 8 38 | 6 25 | 3 4 | 0 56 | 2 42 | 1 30 | 21 43 | 1 8 | 22 15 | 0 6 | 14 37 | 0 8 | 9 47 | 13 1 | 21 46 | 22 2 | 2 16 | 17 22 | 5 54 |
| T 16 | 10 17 | 21 12 | 0 12 | 13 15 | 0n 5 | 8 19 | 6 12 | 3 22 | 0 56 | 2 40 | 1 30 | 21 43 | 1 8 | 22 15 | 0 6 | 14 36 | 0 8 | 9 47 | 13 1 | 21 46 | 22 2 | 2 19 | 17 21 | 5 54 |
| F 17 | 10 39 | 23 48 | 0s54 | 14 5 | 0 16 | 8 0 | 5 59 | 3 41 | 0 56 | 2 37 | 1 30 | 21 43 | 1 8 | 22 15 | 0 6 | 14 36 | 0 8 | 9 46 | 13 2 | 21 46 | 22 2 | 2 22 | 17 20 | 5 55 |
| S 18 | 11 0 | 25 16 | 1 59 | 14 55 | 0 27 | 7 42 | 5 45 | 4 0 | 0 55 | 2 34 | 1 30 | 21 43 | 1 8 | 22 15 | 0 6 | 14 36 | 0 8 | 9 46 | 13 2 | 21 46 | 22 1 | 2 25 | 17 19 | 5 56 |
| S 19 | 11 20 | 25 29 | 2 59 | 15 43 | 0 38 | 7 24 | 5 31 | 4 18 | 0 55 | 2 32 | 1 30 | 21 43 | 1 8 | 22 15 | 0 6 | 14 35 | 0 8 | 9 46 | 13 2 | 21 46 | 22 1 | 2 28 | 17 19 | 5 56 |
| M20 | 11 41 | 24 19 | 3 52 | 16 30 | 0 50 | 7 8 | 5 18 | 4 37 | 0 55 | 2 29 | 1 30 | 21 43 | 1 8 | 22 15 | 0 6 | 14 35 | 0 8 | 9 45 | 13 3 | 21 46 | 22 0 | 2 31 | 17 18 | 5 57 |
| T 21 | 12 1 | 21 45 | 4 34 | 17 15 | 1 1 | 6 53 | 5 4 | 4 55 | 0 54 | 2 26 | 1 30 | 21 43 | 1 8 | 22 14 | 0 6 | 14 35 | 0 8 | 9 45 | 13 3 | 21 46 | 22 0 | 2 34 | 17 17 | 5 58 |
| W22 | 12 22 | 17 52 | 5 1 | 17 58 | 1 12 | 6 38 | 4 50 | 5 13 | 0 54 | 2 24 | 1 30 | 21 42 | 1 8 | 22 14 | 0 6 | 14 34 | 0 8 | 9 45 | 13 3 | 21 46 | 21 59 | 2 37 | 17 16 | 5 59 |
| T 23 | 12 42 | 12 52 | 5 11 | 18 39 | 1 23 | 6 25 | 4 36 | 5 32 | 0 53 | 2 21 | 1 30 | 21 42 | 1 8 | 22 14 | 0 6 | 14 34 | 0 8 | 9 44 | 13 3 | 21 45 | 21 59 | 2 40 | 17 16 | 5 59 |
| F 24 | 13 2 | 7 1 | 5 1 | 19 18 | 1 34 | 6 12 | 4 23 | 5 50 | 0 53 | 2 19 | 1 30 | 21 42 | 1 8 | 22 14 | 0 6 | 14 34 | 0 8 | 9 44 | 13 3 | 21 45 | 21 58 | 2 43 | 17 15 | 6 0 |
| S 25 | 13 21 | 0 38 | 4 31 | 19 55 | 1 44 | 6 1 | 4 9 | 6 8 | 0 53 | 2 17 | 1 29 | 21 42 | 1 8 | 22 14 | 0 6 | 14 34 | 0 8 | 9 44 | 13 4 | 21 44 | 21 58 | 2 46 | 17 14 | 6 1 |
| S 26 | 13 41 | 5n52 | 3 41 | 20 29 | 1 53 | 5 50 | 3 56 | 6 26 | 0 52 | 2 14 | 1 29 | 21 42 | 1 8 | 22 13 | 0 6 | 14 33 | 0 8 | 9 43 | 13 4 | 21 43 | 21 58 | 2 49 | 17 13 | 6 1 |
| M27 | 14 0 | 12 3 | 2 36 | 21 1 | 2 2 | 5 41 | 3 42 | 6 44 | 0 52 | 2 12 | 1 29 | 21 43 | 1 8 | 22 13 | 0 6 | 14 33 | 0 8 | 9 43 | 13 4 | 21 43 | 21 57 | 2 52 | 17 13 | 6 2 |
| T 28 | 14 19 | 17 27 | 1 20 | 21 30 | 2 11 | 5 33 | 3 29 | 7 2 | 0 51 | 2 10 | 1 29 | 21 43 | 1 8 | 22 13 | 0 6 | 14 33 | 0 8 | 9 43 | 13 4 | 21 42 | 21 57 | 2 55 | 17 12 | 6 3 |
| W29 | 14 37 | 21 41 | 0 1 | 21 57 | 2 19 | 5 25 | 3 16 | 7 20 | 0 51 | 2 8 | 1 29 | 21 43 | 1 8 | 22 13 | 0 6 | 14 33 | 0 8 | 9 43 | 13 5 | 21 42 | 21 56 | 2 58 | 17 11 | 6 3 |
| T 30 | 14n56 | 24n26 | 1n17 | 22n22 | 2n25 | 5n19 | 3n 4 | 7n37 | 0s51 | 2s 5 | 1n29 | 21s43 | 1n 8 | 22s13 | 0n 6 | 14s32 | 0n 8 | 9s42 | 13n 5 | 21n42 | 21n56 | 3s 1 | 17s11 | 6n 4 |

Julian Day Number = 2812860.5, Delta T = 53m42s
Ecliptic obliquity = 23°18'43, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°35'18, Lahiri = 37°42'19


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# ASTRODIENST EPHEMERIS for the year 2989
# geocentric

## MAY 2989 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 39 2 | 11♉35'29 | 7♋13 | 1♊ 2 | 6♈35 | 22♈27 | 8°R40 | 11°R 9 | 13°R36 | 20♒15 | 17°R31 | 9♊11 | 10♊38 | 17♎36 | 25°R33 | F 1 |
| S 2 | 14 42 59 | 12°34'15 | 20°38 | 2°12 | 6°53 | 23°14 | 8♎34 | 11♏ 8 | 13♐34 | 20°16 | 17♐30 | 9°13 | 10°35 | 17°43 | 25♐30 | S 2 |
| S 3 | 14 46 55 | 13°32'59 | 3♌38 | 3°18 | 7°12 | 24° 0 | 8°29 | 11° 7 | 13°32 | 20°17 | 17°28 | 9°14 | 10°32 | 17°50 | 25°28 | S 3 |
| M 4 | 14 50 52 | 14°31'41 | 16°17 | 4°17 | 7°34 | 24°47 | 8°24 | 11° 5 | 13°30 | 20°17 | 17°27 | 9°R14 | 10°29 | 17°56 | 25°25 | M 4 |
| T 5 | 14 54 48 | 15°30'21 | 28°37 | 5°11 | 7°57 | 25°33 | 8°19 | 11° 4 | 13°28 | 20°18 | 17°26 | 9°14 | 10°26 | 18° 3 | 25°23 | T 5 |
| W 6 | 14 58 45 | 16°28'58 | 10♍44 | 6° 0 | 8°21 | 26°20 | 8°14 | 11° 2 | 13°26 | 20°18 | 17°24 | 9°12 | 10°22 | 18°10 | 25°20 | W 6 |
| T 7 | 15 2 41 | 17°27'34 | 22°42 | 6°42 | 8°48 | 27° 6 | 8° 9 | 11° 1 | 13°23 | 20°19 | 17°23 | 9° 9 | 10°19 | 18°16 | 25°17 | T 7 |
| F 8 | 15 6 38 | 18°26'07 | 4♎35 | 7°19 | 9°16 | 27°53 | 8° 5 | 10°59 | 13°21 | 20°19 | 17°22 | 9° 6 | 10°16 | 18°23 | 25°14 | F 8 |
| S 9 | 15 10 34 | 19°24'38 | 16°25 | 7°50 | 9°45 | 28°39 | 8° 0 | 10°57 | 13°19 | 20°20 | 17°20 | 9° 3 | 10°13 | 18°30 | 25°11 | S 9 |
| S 10 | 15 14 31 | 20°23'07 | 28°16 | 8°16 | 10°16 | 29°25 | 7°56 | 10°55 | 13°17 | 20°20 | 17°19 | 9° 0 | 10°10 | 18°36 | 25° 8 | S 10 |
| M11 | 15 18 28 | 21°21'34 | 10♏10 | 8°35 | 10°48 | 0♉11 | 7°52 | 10°53 | 13°15 | 20°21 | 17°17 | 8°57 | 10° 6 | 18°43 | 25° 5 | M11 |
| T 12 | 15 22 24 | 22°20'00 | 22°10 | 8°49 | 11°22 | 0°58 | 7°48 | 10°51 | 13°12 | 20°21 | 17°16 | 8°56 | 10° 3 | 18°50 | 25° 2 | T 12 |
| W13 | 15 26 21 | 23°18'24 | 4♐17 | 8°57 | 11°57 | 1°44 | 7°44 | 10°49 | 13°10 | 20°21 | 17°15 | 8°D55 | 10° 0 | 18°57 | 24°59 | W13 |
| T 14 | 15 30 17 | 24°16'46 | 16°32 | 8°R59 | 12°34 | 2°30 | 7°41 | 10°46 | 13° 8 | 20°22 | 17°13 | 8°55 | 9°57 | 19° 3 | 24°55 | T 14 |
| F 15 | 15 34 14 | 25°15'06 | 28°58 | 8°56 | 13°11 | 3°16 | 7°37 | 10°44 | 13° 5 | 20°22 | 17°12 | 8°56 | 9°54 | 19°10 | 24°52 | F 15 |
| S 16 | 15 38 10 | 26°13'25 | 11♑37 | 8°48 | 13°50 | 4° 2 | 7°34 | 10°42 | 13° 3 | 20°22 | 17°10 | 8°57 | 9°51 | 19°17 | 24°48 | S 16 |
| S 17 | 15 42 7 | 27°11'42 | 24°30 | 8°35 | 14°30 | 4°48 | 7°31 | 10°39 | 13° 1 | 20°22 | 17° 9 | 8°58 | 9°47 | 19°23 | 24°45 | S 17 |
| M18 | 15 46 3 | 28° 9'58 | 7♒40 | 8°17 | 15°11 | 5°34 | 7°28 | 10°37 | 12°58 | 20°22 | 17° 7 | 8°59 | 9°44 | 19°30 | 24°41 | M18 |
| T 19 | 15 50 0 | 29° 8'12 | 21° 7 | 7°55 | 15°53 | 6°20 | 7°25 | 10°34 | 12°56 | 20°22 | 17° 6 | 8°59 | 9°41 | 19°37 | 24°38 | T 19 |
| W20 | 15 53 57 | 0♊ 6'25 | 4♓54 | 7°29 | 16°36 | 7° 6 | 7°23 | 10°31 | 12°53 | 20°23 | 17° 4 | 8°R59 | 9°38 | 19°43 | 24°34 | W20 |
| T 21 | 15 57 53 | 1° 4'36 | 19° 1 | 7° 0 | 17°20 | 7°52 | 7°20 | 10°28 | 12°51 | 20°23 | 17° 2 | 8°59 | 9°35 | 19°50 | 24°30 | T 21 |
| F 22 | 16 1 50 | 2° 2'46 | 3♈25 | 6°29 | 18° 5 | 8°37 | 7°18 | 10°25 | 12°49 | 20°R23 | 17° 1 | 8°58 | 9°32 | 19°57 | 24°27 | F 22 |
| S 23 | 16 5 46 | 3° 0'55 | 18° 5 | 5°55 | 18°50 | 9°23 | 7°16 | 10°22 | 12°46 | 20°23 | 16°59 | 8°58 | 9°28 | 20° 3 | 24°23 | S 23 |
| S 24 | 16 9 43 | 3°59'02 | 2♉53 | 5°19 | 19°37 | 10° 9 | 7°14 | 10°19 | 12°44 | 20°23 | 16°58 | 8°57 | 9°25 | 20°10 | 24°19 | S 24 |
| M25 | 16 13 39 | 4°57'08 | 17°45 | 4°43 | 20°24 | 10°55 | 7°13 | 10°16 | 12°41 | 20°22 | 16°56 | 8°57 | 9°22 | 20°17 | 24°15 | M25 |
| T 26 | 16 17 36 | 5°55'12 | 2♊32 | 4° 7 | 21°12 | 11°40 | 7°11 | 10°13 | 12°39 | 20°22 | 16°54 | 8°D56 | 9°19 | 20°24 | 24°11 | T 26 |
| W27 | 16 21 32 | 6°53'15 | 17° 6 | 3°30 | 22° 1 | 12°26 | 7°10 | 10°10 | 12°36 | 20°22 | 16°53 | 8°56 | 9°16 | 20°30 | 24° 7 | W27 |
| T 28 | 16 25 29 | 7°51'17 | 1♋23 | 2°55 | 22°51 | 13°11 | 7° 9 | 10° 6 | 12°34 | 20°22 | 16°51 | 8°57 | 9°12 | 20°37 | 24° 3 | T 28 |
| F 29 | 16 29 26 | 8°49'17 | 15°17 | 2°22 | 23°41 | 13°57 | 7° 8 | 10° 3 | 12°31 | 20°22 | 16°50 | 8°R57 | 9° 9 | 20°44 | 23°59 | F 29 |
| S 30 | 16 33 22 | 9°47'15 | 28°47 | 1°51 | 24°32 | 14°42 | 7° 7 | 9°59 | 12°29 | 20°22 | 16°48 | 8°57 | 9° 6 | 20°50 | 23°55 | S 30 |
| S 31 | 16 37 19 | 10♊45'11 | 11♌52 | 1♊22 | 25♈24 | 15♉28 | 7♎ 7 | 9♏56 | 12♐26 | 20♒21 | 16♐46 | 8♊56 | 9♊ 3 | 20♎57 | 23♐51 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 15n14 | 25n35 | 2n28 | 22n44 | 2n31 | 5n13 | 2n51 | 7n55 | 0s50 | 2s 3 | 1n29 | 21s43 | 1n 8 | 22s12 | 0n 6 | 14s32 | 0n 8 | 9s42 | 13n 5 | 21n43 | 21n55 | 3s 4 | 17s10 | 6n 5 | F 1 |
| S 2 | 15 32 | 25 10 | 3 28 | 23 3 | 2 37 | 5 9 | 2 39 | 8 13 | 0 50 | 2 1 | 1 29 | 21 43 | 1 8 | 22 12 | 0 6 | 14 32 | 0 8 | 9 42 | 13 5 | 21 43 | 21 55 | 3 7 | 17 9 | 6 5 | S 2 |
| S 3 | 15 49 | 23 23 | 4 16 | 23 20 | 2 41 | 5 6 | 2 27 | 8 30 | 0 49 | 1 59 | 1 28 | 21 43 | 1 8 | 22 12 | 0 6 | 14 32 | 0 8 | 9 41 | 13 5 | 21 43 | 21 54 | 3 10 | 17 8 | 6 6 | S 3 |
| M 4 | 16 7 | 20 29 | 4 50 | 23 34 | 2 44 | 5 3 | 2 15 | 8 48 | 0 49 | 1 58 | 1 28 | 21 43 | 1 8 | 22 12 | 0 6 | 14 32 | 0 8 | 9 41 | 13 6 | 21 43 | 21 54 | 3 13 | 17 8 | 6 7 | M 4 |
| T 5 | 16 24 | 16 43 | 5 9 | 23 46 | 2 46 | 5 2 | 2 3 | 9 5 | 0 48 | 1 56 | 1 28 | 21 43 | 1 8 | 22 11 | 0 6 | 14 31 | 0 8 | 9 41 | 13 6 | 21 43 | 21 54 | 3 16 | 17 7 | 6 7 | T 5 |
| W 6 | 16 41 | 12 21 | 5 14 | 23 56 | 2 47 | 5 1 | 1 52 | 9 22 | 0 48 | 1 54 | 1 28 | 21 43 | 1 8 | 22 11 | 0 6 | 14 31 | 0 8 | 9 40 | 13 6 | 21 43 | 21 53 | 3 19 | 17 6 | 6 8 | W 6 |
| T 7 | 16 57 | 7 34 | 5 6 | 24 3 | 2 47 | 5 1 | 1 41 | 9 39 | 0 47 | 1 52 | 1 28 | 21 43 | 1 8 | 22 11 | 0 6 | 14 31 | 0 8 | 9 40 | 13 6 | 21 42 | 21 53 | 3 22 | 17 6 | 6 8 | T 7 |
| F 8 | 17 13 | 2 32 | 4 44 | 24 8 | 2 45 | 5 2 | 1 30 | 9 56 | 0 47 | 1 51 | 1 28 | 21 43 | 1 9 | 22 11 | 0 6 | 14 31 | 0 8 | 9 40 | 13 6 | 21 42 | 21 52 | 3 25 | 17 5 | 6 9 | F 8 |
| S 9 | 17 29 | 2s34 | 4 10 | 24 11 | 2 43 | 5 4 | 1 20 | 10 13 | 0 46 | 1 49 | 1 27 | 21 43 | 1 9 | 22 10 | 0 6 | 14 31 | 0 8 | 9 40 | 13 6 | 21 41 | 21 52 | 3 28 | 17 4 | 6 10 | S 9 |
| S 10 | 17 45 | 7 36 | 3 26 | 24 11 | 2 39 | 5 6 | 1 9 | 10 30 | 0 46 | 1 48 | 1 27 | 21 44 | 1 9 | 22 10 | 0 6 | 14 31 | 0 8 | 9 39 | 13 6 | 21 41 | 21 51 | 3 31 | 17 4 | 6 10 | S 10 |
| M11 | 18 0 | 12 23 | 2 32 | 24 9 | 2 34 | 5 10 | 0 59 | 10 46 | 0 45 | 1 46 | 1 27 | 21 44 | 1 9 | 22 10 | 0 6 | 14 31 | 0 8 | 9 39 | 13 7 | 21 40 | 21 51 | 3 34 | 17 3 | 6 11 | M11 |
| T 12 | 18 15 | 16 45 | 1 31 | 24 5 | 2 28 | 5 14 | 0 49 | 11 3 | 0 45 | 1 45 | 1 27 | 21 44 | 1 9 | 22 10 | 0 6 | 14 30 | 0 8 | 9 39 | 13 7 | 21 40 | 21 50 | 3 37 | 17 2 | 6 11 | T 12 |
| W13 | 18 30 | 20 28 | 0 26 | 23 59 | 2 20 | 5 19 | 0 40 | 11 19 | 0 44 | 1 44 | 1 27 | 21 44 | 1 9 | 22 9 | 0 6 | 14 30 | 0 8 | 9 39 | 13 7 | 21 40 | 21 50 | 3 40 | 17 2 | 6 12 | W13 |
| T 14 | 18 44 | 23 20 | 0s42 | 23 50 | 2 11 | 5 24 | 0 31 | 11 35 | 0 44 | 1 42 | 1 26 | 21 44 | 1 9 | 22 9 | 0 6 | 14 30 | 0 8 | 9 38 | 13 7 | 21 40 | 21 49 | 3 43 | 17 1 | 6 12 | T 14 |
| F 15 | 18 59 | 25 7 | 1 49 | 23 40 | 2 1 | 5 31 | 0 22 | 11 52 | 0 43 | 1 41 | 1 26 | 21 44 | 1 9 | 22 9 | 0 6 | 14 30 | 0 8 | 9 38 | 13 7 | 21 40 | 21 49 | 3 46 | 17 0 | 6 13 | F 15 |
| S 16 | 19 12 | 25 39 | 2 51 | 23 28 | 1 50 | 5 38 | 0 13 | 12 8 | 0 43 | 1 40 | 1 26 | 21 45 | 1 9 | 22 8 | 0 6 | 14 30 | 0 8 | 9 38 | 13 7 | 21 40 | 21 48 | 3 49 | 17 0 | 6 13 | S 16 |
| S 17 | 19 26 | 24 49 | 3 46 | 23 13 | 1 37 | 5 45 | 0 4 | 12 23 | 0 42 | 1 39 | 1 26 | 21 45 | 1 9 | 22 8 | 0 6 | 14 30 | 0 7 | 9 38 | 13 7 | 21 41 | 21 48 | 3 52 | 16 59 | 6 14 | S 17 |
| M18 | 19 39 | 22 37 | 4 31 | 22 57 | 1 24 | 5 53 | 0s 4 | 12 39 | 0 42 | 1 38 | 1 26 | 21 45 | 1 9 | 22 8 | 0 6 | 14 30 | 0 7 | 9 38 | 13 7 | 21 41 | 21 48 | 3 55 | 16 58 | 6 14 | M18 |
| T 19 | 19 51 | 19 9 | 5 2 | 22 39 | 1 10 | 6 2 | 0 12 | 12 55 | 0 41 | 1 37 | 1 25 | 21 45 | 1 9 | 22 8 | 0 6 | 14 30 | 0 7 | 9 37 | 13 7 | 21 41 | 21 47 | 3 58 | 16 58 | 6 15 | T 19 |
| W20 | 20 4 | 14 34 | 5 16 | 22 20 | 0 54 | 6 11 | 0 20 | 13 10 | 0 41 | 1 36 | 1 25 | 21 45 | 1 9 | 22 7 | 0 6 | 14 30 | 0 7 | 9 37 | 13 7 | 21 41 | 21 47 | 4 1 | 16 57 | 6 15 | W20 |
| T 21 | 20 16 | 9 7 | 5 12 | 21 59 | 0 38 | 6 21 | 0 27 | 13 26 | 0 40 | 1 36 | 1 25 | 21 46 | 1 9 | 22 7 | 0 6 | 14 30 | 0 7 | 9 37 | 13 7 | 21 41 | 21 46 | 4 4 | 16 56 | 6 16 | T 21 |
| F 22 | 20 28 | 3 4 | 4 49 | 21 38 | 0 21 | 6 31 | 0 34 | 13 41 | 0 39 | 1 35 | 1 25 | 21 46 | 1 9 | 22 7 | 0 6 | 14 30 | 0 7 | 9 37 | 13 7 | 21 41 | 21 46 | 4 7 | 16 56 | 6 16 | F 22 |
| S 23 | 20 39 | 3n15 | 4 6 | 21 15 | 0 4 | 6 42 | 0 41 | 13 56 | 0 39 | 1 34 | 1 25 | 21 46 | 1 9 | 22 6 | 0 6 | 14 30 | 0 7 | 9 37 | 13 8 | 21 41 | 21 45 | 4 10 | 16 55 | 6 17 | S 23 |
| S 24 | 20 50 | 9 29 | 3 7 | 20 51 | 0s13 | 6 53 | 0 48 | 14 11 | 0 38 | 1 34 | 1 24 | 21 46 | 1 9 | 22 6 | 0 6 | 14 30 | 0 7 | 9 36 | 13 8 | 21 40 | 21 45 | 4 13 | 16 55 | 6 17 | S 24 |
| M25 | 21 1 | 15 12 | 1 55 | 20 27 | 0 31 | 7 5 | 0 55 | 14 25 | 0 38 | 1 34 | 1 24 | 21 47 | 1 9 | 22 6 | 0 6 | 14 30 | 0 7 | 9 36 | 13 8 | 21 40 | 21 44 | 4 16 | 16 54 | 6 18 | M25 |
| T 26 | 21 11 | 19 58 | 0 36 | 20 3 | 0 49 | 7 17 | 1 1 | 14 40 | 0 37 | 1 33 | 1 24 | 21 47 | 1 9 | 22 5 | 0 6 | 14 30 | 0 7 | 9 36 | 13 8 | 21 40 | 21 44 | 4 19 | 16 53 | 6 18 | T 26 |
| W27 | 21 21 | 23 26 | 0n45 | 19 40 | 1 6 | 7 29 | 1 7 | 14 54 | 0 37 | 1 33 | 1 24 | 21 47 | 1 9 | 22 5 | 0 6 | 14 30 | 0 7 | 9 36 | 13 8 | 21 40 | 21 43 | 4 22 | 16 53 | 6 18 | W27 |
| T 28 | 21 30 | 25 20 | 2 1 | 19 16 | 1 23 | 7 42 | 1 13 | 15 9 | 0 36 | 1 33 | 1 23 | 21 47 | 1 9 | 22 5 | 0 6 | 14 30 | 0 7 | 9 36 | 13 8 | 21 40 | 21 43 | 4 25 | 16 52 | 6 19 | T 28 |
| F 29 | 21 39 | 25 34 | 3 8 | 18 53 | 1 40 | 7 55 | 1 19 | 15 23 | 0 35 | 1 32 | 1 23 | 21 48 | 1 9 | 22 5 | 0 6 | 14 30 | 0 7 | 9 36 | 13 8 | 21 40 | 21 42 | 4 28 | 16 52 | 6 19 | F 29 |
| S 30 | 21 48 | 24 15 | 4 3 | 18 32 | 1 56 | 8 9 | 1 24 | 15 37 | 0 35 | 1 32 | 1 23 | 21 48 | 1 9 | 22 4 | 0 6 | 14 30 | 0 7 | 9 36 | 13 8 | 21 40 | 21 42 | 4 31 | 16 51 | 6 19 | S 30 |
| S 31 | 21n56 | 21n40 | 4n43 | 18n11 | 2s11 | 8n23 | 1s30 | 15n50 | 0s34 | 1s32 | 1n23 | 21s48 | 1n 9 | 22s 4 | 0n 6 | 14s30 | 0n 7 | 9s35 | 13n 8 | 21n40 | 21n41 | 4s35 | 16s51 | 6n20 | S 31 |

Julian Day Number = 2812890.5, Delta T = 53m43s
Ecliptic obliquity = 23°18'43, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°35'22, Lahiri = 37°42'23


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# ASTRODIENST EPHEMERIS for the year 2989
# geocentric

## JUNE 2989 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 41 15 | 11♊43'06 | 24♌35 | 0°R57 | 26♈16 | 16♉13 | 7°R 6 | 9°R52 | 12°R24 | 20°R21 | 16°R45 | 8°R56 | 9♊ 0 | 21♎ 4 | 23°R47 | M 1 |
| T 2 | 16 45 12 | 12°40'58 | 6♍59 | 0♊35 | 27° 9 | 16°58 | 7°D 6 | 9♑49 | 12♐21 | 20♒21 | 16♐43 | 8°D56 | 8°57 | 21°10 | 23♐43 | T 2 |
| W 3 | 16 49 8 | 13°38'50 | 19° 8 | 0°16 | 28° 2 | 17°44 | 7♎ 6 | 9°45 | 12°19 | 20°20 | 16°41 | 8♊56 | 8°53 | 21°17 | 23°38 | W 3 |
| T 4 | 16 53 5 | 14°36'39 | 1♎ 6 | 0° 2 | 28°56 | 18°29 | 7° 6 | 9°41 | 12°16 | 20°20 | 16°40 | 8°56 | 8°50 | 21°24 | 23°34 | T 4 |
| F 5 | 16 57 2 | 15°34'27 | 12°58 | 29♉52 | 29°51 | 19°14 | 7° 7 | 9°37 | 12°14 | 20°19 | 16°38 | 8°57 | 8°47 | 21°30 | 23°30 | F 5 |
| S 6 | 17 0 58 | 16°32'13 | 24°49 | 29°47 | 0♉46 | 19°59 | 7° 7 | 9°33 | 12°11 | 20°19 | 16°36 | 8°58 | 8°44 | 21°37 | 23°26 | S 6 |
| S 7 | 17 4 55 | 17°29'58 | 6♏42 | 29°D46 | 1°41 | 20°44 | 7° 8 | 9°30 | 12° 9 | 20°18 | 16°35 | 8°58 | 8°41 | 21°44 | 23°22 | S 7 |
| M 8 | 17 8 51 | 18°27'41 | 18°40 | 29°49 | 2°37 | 21°29 | 7° 9 | 9°26 | 12° 6 | 20°18 | 16°33 | 8°59 | 8°38 | 21°50 | 23°17 | M 8 |
| T 9 | 17 12 48 | 19°25'23 | 0♐48 | 29°57 | 3°34 | 22°14 | 7°10 | 9°22 | 12° 4 | 20°17 | 16°31 | 9° 0 | 8°34 | 21°57 | 23°13 | T 9 |
| W10 | 17 16 44 | 20°23'04 | 13° 6 | 0♊ 9 | 4°30 | 22°59 | 7°11 | 9°18 | 12° 1 | 20°17 | 16°30 | 9°R 0 | 8°31 | 22° 4 | 23° 9 | W10 |
| T 11 | 17 20 41 | 21°20'43 | 25°38 | 0°26 | 5°28 | 23°44 | 7°13 | 9°13 | 11°59 | 20°16 | 16°28 | 8°59 | 8°28 | 22°11 | 23° 4 | T 11 |
| F 12 | 17 24 37 | 22°18'22 | 8♑23 | 0°47 | 6°25 | 24°28 | 7°14 | 9° 9 | 11°56 | 20°15 | 16°27 | 8°58 | 8°25 | 22°17 | 23° 0 | F 12 |
| S 13 | 17 28 34 | 23°15'59 | 21°22 | 1°13 | 7°23 | 25°13 | 7°16 | 9° 5 | 11°54 | 20°15 | 16°25 | 8°57 | 8°22 | 22°24 | 22°56 | S 13 |
| S 14 | 17 32 31 | 24°13'35 | 4♒36 | 1°43 | 8°22 | 25°58 | 7°18 | 9° 1 | 11°51 | 20°14 | 16°23 | 8°55 | 8°18 | 22°31 | 22°52 | S 14 |
| M15 | 17 36 27 | 25°11'10 | 18° 3 | 2°16 | 9°21 | 26°42 | 7°20 | 8°57 | 11°49 | 20°13 | 16°22 | 8°52 | 8°15 | 22°37 | 22°47 | M15 |
| T 16 | 17 40 24 | 26° 8'45 | 1♓43 | 2°54 | 10°20 | 27°27 | 7°23 | 8°52 | 11°46 | 20°13 | 16°20 | 8°51 | 8°12 | 22°44 | 22°43 | T 16 |
| W17 | 17 44 20 | 27° 6'18 | 15°36 | 3°36 | 11°20 | 28°11 | 7°25 | 8°48 | 11°44 | 20°12 | 16°18 | 8°50 | 8° 9 | 22°51 | 22°39 | W17 |
| T 18 | 17 48 17 | 28° 3'51 | 29°39 | 4°22 | 12°20 | 28°56 | 7°28 | 8°44 | 11°42 | 20°11 | 16°17 | 8°D49 | 8° 6 | 22°57 | 22°34 | T 18 |
| F 19 | 17 52 13 | 29° 1'23 | 13♈52 | 5°11 | 13°20 | 29°40 | 7°31 | 8°40 | 11°39 | 20°10 | 16°15 | 8°50 | 8° 3 | 23° 4 | 22°30 | F 19 |
| S 20 | 17 56 10 | 29°58'54 | 28°12 | 6° 4 | 14°21 | 0♊25 | 7°34 | 8°35 | 11°37 | 20° 9 | 16°14 | 8°51 | 7°59 | 23°11 | 22°26 | S 20 |
| S 21 | 18 0 6 | 0♋56'25 | 12♉37 | 7° 1 | 15°22 | 1° 9 | 7°37 | 8°31 | 11°35 | 20° 8 | 16°12 | 8°52 | 7°56 | 23°17 | 22°22 | S 21 |
| M22 | 18 4 3 | 1°53'55 | 27° 2 | 8° 1 | 16°23 | 1°53 | 7°40 | 8°26 | 11°32 | 20° 8 | 16°10 | 8°53 | 7°53 | 23°24 | 22°18 | M22 |
| T 23 | 18 8 0 | 2°51'25 | 11♊24 | 9° 5 | 17°24 | 2°37 | 7°44 | 8°22 | 11°30 | 20° 7 | 16° 9 | 8°R54 | 7°50 | 23°31 | 22°13 | T 23 |
| W24 | 18 11 56 | 3°48'53 | 25°38 | 10°12 | 18°26 | 3°22 | 7°47 | 8°18 | 11°28 | 20° 6 | 16° 7 | 8°53 | 7°47 | 23°37 | 22° 9 | W24 |
| T 25 | 18 15 53 | 4°46'21 | 9♋39 | 11°22 | 19°28 | 4° 6 | 7°51 | 8°13 | 11°25 | 20° 5 | 16° 6 | 8°51 | 7°44 | 23°44 | 22° 5 | T 25 |
| F 26 | 18 19 49 | 5°43'48 | 23°23 | 12°35 | 20°30 | 4°50 | 7°55 | 8° 9 | 11°23 | 20° 4 | 16° 4 | 8°47 | 7°40 | 23°51 | 22° 1 | F 26 |
| S 27 | 18 23 46 | 6°41'15 | 6♌47 | 13°51 | 21°33 | 5°34 | 7°59 | 8° 4 | 11°21 | 20° 3 | 16° 3 | 8°43 | 7°37 | 23°58 | 21°57 | S 27 |
| S 28 | 18 27 42 | 7°38'40 | 19°51 | 15°11 | 22°36 | 6°17 | 8° 4 | 8° 0 | 11°19 | 20° 1 | 16° 1 | 8°39 | 7°34 | 24° 4 | 21°53 | S 28 |
| M29 | 18 31 39 | 8°36'04 | 2♍35 | 16°34 | 23°39 | 7° 1 | 8° 8 | 7°55 | 11°17 | 20° 0 | 16° 0 | 8°35 | 7°31 | 24°11 | 21°49 | M29 |
| T 30 | 18 35 36 | 9♋33'28 | 15♍ 0 | 17♊59 | 24♉42 | 7♊45 | 8♎13 | 7♑51 | 11♐15 | 19♒59 | 15♐58 | 8♊31 | 7♊28 | 24♎18 | 21♐45 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 22n 4 | 18n 5 | 5n 7 | 17n52 | 2s26 | 8n37 | 1s35 | 16n 4 | 0s34 | 1s32 | 1n23 | 21s48 | 1n 9 | 22s 4 | 0n 6 | 14s31 | 0n 7 | 9s35 | 13n 8 | 21n40 | 21n41 | 4s38 | 16s50 | 6n20 | |
| T 2 | 22 12 | 13 48 | 5 17 | 17 34 | 2 39 | 8 51 | 1 40 | 16 17 | 0 33 | 1 33 | 1 22 | 21 49 | 1 9 | 22 3 | 0 6 | 14 31 | 0 7 | 9 35 | 13 7 | 21 40 | 21 40 | 4 41 | 16 50 | 6 20 | |
| W 3 | 22 19 | 9 4 | 5 12 | 17 18 | 2 51 | 9 6 | 1 44 | 16 31 | 0 32 | 1 33 | 1 22 | 21 49 | 1 9 | 22 3 | 0 6 | 14 31 | 0 7 | 9 35 | 13 7 | 21 40 | 21 40 | 4 44 | 16 49 | 6 21 | |
| T 4 | 22 26 | 4 4 | 4 54 | 17 4 | 3 3 | 9 21 | 1 49 | 16 44 | 0 32 | 1 33 | 1 22 | 21 49 | 1 9 | 22 3 | 0 6 | 14 31 | 0 7 | 9 35 | 13 7 | 21 40 | 21 39 | 4 47 | 16 49 | 6 21 | |
| F 5 | 22 32 | 1s 3 | 4 23 | 16 52 | 3 13 | 9 36 | 1 53 | 16 56 | 0 31 | 1 33 | 1 22 | 21 50 | 1 9 | 22 2 | 0 6 | 14 31 | 0 7 | 9 35 | 13 7 | 21 40 | 21 39 | 4 50 | 16 48 | 6 21 | |
| S 6 | 22 38 | 6 7 | 3 41 | 16 42 | 3 22 | 9 51 | 1 57 | 17 9 | 0 31 | 1 34 | 1 21 | 21 50 | 1 8 | 22 2 | 0 6 | 14 31 | 0 7 | 9 35 | 13 7 | 21 41 | 21 38 | 4 53 | 16 48 | 6 22 | |
| S 7 | 22 44 | 11 0 | 2 50 | 16 34 | 3 30 | 10 6 | 2 1 | 17 22 | 0 30 | 1 34 | 1 21 | 21 50 | 1 8 | 22 2 | 0 6 | 14 31 | 0 7 | 9 35 | 13 7 | 21 41 | 21 38 | 4 56 | 16 47 | 6 22 | |
| M 8 | 22 49 | 15 31 | 1 50 | 16 28 | 3 37 | 10 22 | 2 5 | 17 34 | 0 29 | 1 35 | 1 21 | 21 50 | 1 8 | 22 1 | 0 6 | 14 32 | 0 7 | 9 35 | 13 7 | 21 41 | 21 37 | 4 59 | 16 47 | 6 22 | |
| T 9 | 22 54 | 19 28 | 0 45 | 16 24 | 3 43 | 10 38 | 2 8 | 17 46 | 0 29 | 1 36 | 1 21 | 21 51 | 1 8 | 22 1 | 0 6 | 14 32 | 0 7 | 9 35 | 13 7 | 21 41 | 21 37 | 5 2 | 16 46 | 6 22 | |
| W10 | 22 58 | 22 38 | 0s23 | 16 22 | 3 47 | 10 53 | 2 11 | 17 58 | 0 28 | 1 36 | 1 20 | 21 51 | 1 8 | 22 1 | 0 6 | 14 32 | 0 7 | 9 35 | 13 7 | 21 41 | 21 36 | 5 5 | 16 46 | 6 23 | |
| T 11 | 23 2 | 24 45 | 1 31 | 16 22 | 3 51 | 11 9 | 2 15 | 18 10 | 0 27 | 1 37 | 1 20 | 21 51 | 1 8 | 22 0 | 0 6 | 14 32 | 0 7 | 9 35 | 13 7 | 21 41 | 21 36 | 5 8 | 16 46 | 6 23 | |
| F 12 | 23 5 | 25 38 | 2 36 | 16 24 | 3 53 | 11 25 | 2 18 | 18 21 | 0 27 | 1 38 | 1 20 | 21 52 | 1 8 | 22 0 | 0 6 | 14 32 | 0 7 | 9 35 | 13 7 | 21 41 | 21 35 | 5 11 | 16 45 | 6 23 | |
| S 13 | 23 8 | 25 8 | 3 33 | 16 28 | 3 55 | 11 41 | 2 20 | 18 33 | 0 26 | 1 39 | 1 20 | 21 52 | 1 8 | 22 0 | 0 6 | 14 33 | 0 7 | 9 35 | 13 7 | 21 40 | 21 35 | 5 14 | 16 45 | 6 23 | |
| S 14 | 23 11 | 23 14 | 4 21 | 16 33 | 3 55 | 11 58 | 2 23 | 18 44 | 0 25 | 1 40 | 1 20 | 21 52 | 1 8 | 21 59 | 0 6 | 14 33 | 0 7 | 9 35 | 13 6 | 21 40 | 21 34 | 5 17 | 16 44 | 6 23 | |
| M15 | 23 13 | 20 1 | 4 55 | 16 40 | 3 55 | 12 14 | 2 26 | 18 55 | 0 25 | 1 41 | 1 19 | 21 53 | 1 8 | 21 59 | 0 6 | 14 33 | 0 7 | 9 35 | 13 6 | 21 40 | 21 34 | 5 20 | 16 44 | 6 23 | |
| T 16 | 23 15 | 15 41 | 5 13 | 16 48 | 3 54 | 12 30 | 2 28 | 19 6 | 0 24 | 1 42 | 1 19 | 21 53 | 1 8 | 21 59 | 0 6 | 14 33 | 0 7 | 9 35 | 13 6 | 21 39 | 21 33 | 5 23 | 16 44 | 6 24 | |
| W17 | 23 17 | 10 28 | 5 13 | 16 58 | 3 52 | 12 46 | 2 30 | 19 16 | 0 23 | 1 43 | 1 19 | 21 53 | 1 8 | 21 59 | 0 6 | 14 34 | 0 7 | 9 35 | 13 6 | 21 39 | 21 33 | 5 26 | 16 43 | 6 24 | |
| T 18 | 23 18 | 4 39 | 4 55 | 17 9 | 3 49 | 13 2 | 2 32 | 19 27 | 0 23 | 1 44 | 1 19 | 21 54 | 1 8 | 21 58 | 0 6 | 14 34 | 0 7 | 9 35 | 13 6 | 21 39 | 21 32 | 5 29 | 16 43 | 6 24 | |
| F 19 | 23 18 | 1n28 | 4 19 | 17 22 | 3 45 | 13 19 | 2 34 | 19 37 | 0 22 | 1 46 | 1 18 | 21 54 | 1 8 | 21 58 | 0 6 | 14 34 | 0 7 | 9 35 | 13 6 | 21 39 | 21 32 | 5 32 | 16 43 | 6 24 | |
| S 20 | 23 19 | 7 34 | 3 26 | 17 35 | 3 41 | 13 35 | 2 35 | 19 47 | 0 21 | 1 47 | 1 18 | 21 54 | 1 8 | 21 58 | 0 6 | 14 34 | 0 7 | 9 35 | 13 5 | 21 40 | 21 31 | 5 35 | 16 42 | 6 24 | |
| S 21 | 23 19 | 13 19 | 2 20 | 17 49 | 3 36 | 13 51 | 2 37 | 19 57 | 0 21 | 1 49 | 1 18 | 21 55 | 1 8 | 21 57 | 0 6 | 14 35 | 0 7 | 9 35 | 13 5 | 21 40 | 21 31 | 5 38 | 16 42 | 6 24 | |
| M22 | 23 18 | 18 20 | 1 5 | 18 5 | 3 30 | 14 7 | 2 38 | 20 6 | 0 20 | 1 50 | 1 18 | 21 55 | 1 8 | 21 57 | 0 6 | 14 35 | 0 7 | 9 35 | 13 5 | 21 40 | 21 30 | 5 41 | 16 42 | 6 24 | |
| T 23 | 23 17 | 22 15 | 0n14 | 18 21 | 3 23 | 14 23 | 2 40 | 20 16 | 0 19 | 1 52 | 1 17 | 21 55 | 1 8 | 21 57 | 0 6 | 14 35 | 0 7 | 9 35 | 13 5 | 21 40 | 21 30 | 5 44 | 16 41 | 6 24 | |
| W24 | 23 15 | 24 45 | 1 31 | 18 37 | 3 16 | 14 39 | 2 41 | 20 25 | 0 19 | 1 53 | 1 17 | 21 56 | 1 8 | 21 56 | 0 6 | 14 36 | 0 7 | 9 35 | 13 5 | 21 40 | 21 29 | 5 47 | 16 41 | 6 24 | |
| T 25 | 23 14 | 25 38 | 2 41 | 18 54 | 3 9 | 14 55 | 2 42 | 20 34 | 0 18 | 1 55 | 1 17 | 21 56 | 1 8 | 21 56 | 0 6 | 14 36 | 0 7 | 9 35 | 13 4 | 21 39 | 21 29 | 5 50 | 16 41 | 6 24 | |
| F 26 | 23 11 | 24 55 | 3 40 | 19 12 | 3 0 | 15 10 | 2 42 | 20 42 | 0 17 | 1 57 | 1 17 | 21 56 | 1 7 | 21 56 | 0 6 | 14 36 | 0 7 | 9 35 | 13 4 | 21 39 | 21 28 | 5 53 | 16 41 | 6 24 | |
| S 27 | 23 9 | 22 46 | 4 26 | 19 30 | 2 52 | 15 26 | 2 43 | 20 51 | 0 16 | 1 59 | 1 17 | 21 57 | 1 7 | 21 56 | 0 6 | 14 37 | 0 7 | 9 35 | 13 4 | 21 38 | 21 28 | 5 56 | 16 40 | 6 24 | |
| S 28 | 23 6 | 19 28 | 4 56 | 19 48 | 2 43 | 15 41 | 2 44 | 20 59 | 0 16 | 2 1 | 1 16 | 21 57 | 1 7 | 21 55 | 0 6 | 14 37 | 0 7 | 9 35 | 13 4 | 21 38 | 21 27 | 5 59 | 16 40 | 6 24 | |
| M29 | 23 2 | 15 20 | 5 11 | 20 6 | 2 33 | 15 56 | 2 44 | 21 7 | 0 15 | 2 3 | 1 16 | 21 57 | 1 7 | 21 55 | 0 6 | 14 37 | 0 7 | 9 35 | 13 3 | 21 37 | 21 27 | 6 2 | 16 40 | 6 24 | |
| T 30 | 22n58 | 10n39 | 5n11 | 20n24 | 2s23 | 16n11 | 2s44 | 21n15 | 0s14 | 2s 5 | 1n16 | 21s58 | 1n 7 | 21s55 | 0n 6 | 14s38 | 0n 7 | 9s35 | 13n 3 | 21n36 | 21n26 | 6s 5 | 16s40 | 6n24 | |

Julian Day Number = 2812921.5, Delta T = 53m43s
Ecliptic obliquity = 23°18'43, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°35'27, Lahiri = 37°42'27


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# ASTRODIENST EPHEMERIS for the year 2989
# geocentric

## JULY 2989 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 39 32 | 10♋30'50 | 27♍10 | 19♊28 | 25♉45 | 8♊29 | 8♎17 | 7°R47 | 11°R13 | 19°R58 | 15°R57 | 8°R29 | 7♊24 | 24♎24 | 21°R41 | W 1 |
| T 2 | 18 43 29 | 11°28'12 | 9♎ 9 | 21° 0 | 26°49 | 9°12 | 8°22 | 7♏42 | 11♐10 | 19♒57 | 15♐55 | 8°D28 | 7°21 | 24°31 | 21♐37 | T 2 |
| F 3 | 18 47 25 | 12°25'32 | 21° 1 | 22°35 | 27°53 | 9°56 | 8°27 | 7°38 | 11° 8 | 19°56 | 15°54 | 8♊28 | 7°18 | 24°38 | 21°33 | F 3 |
| S 4 | 18 51 22 | 13°22'52 | 2♏52 | 24°12 | 28°57 | 10°39 | 8°33 | 7°33 | 11° 6 | 19°55 | 15°52 | 8°30 | 7°15 | 24°44 | 21°30 | S 4 |
| S 5 | 18 55 18 | 14°20'11 | 14°46 | 25°53 | 0♊ 1 | 11°23 | 8°38 | 7°29 | 11° 4 | 19°53 | 15°51 | 8°31 | 7°12 | 24°51 | 21°26 | S 5 |
| M 6 | 18 59 15 | 15°17'30 | 26°48 | 27°36 | 1° 6 | 12° 6 | 8°44 | 7°24 | 11° 3 | 19°52 | 15°50 | 8°33 | 7° 9 | 24°58 | 21°22 | M 6 |
| T 7 | 19 3 11 | 16°14'47 | 9♐ 2 | 29°23 | 2°10 | 12°50 | 8°49 | 7°20 | 11° 1 | 19°51 | 15°48 | 8°R33 | 7° 5 | 25° 4 | 21°19 | T 7 |
| W 8 | 19 7 8 | 17°12'05 | 21°32 | 1♋12 | 3°15 | 13°33 | 8°55 | 7°16 | 10°59 | 19°49 | 15°47 | 8°33 | 7° 2 | 25°11 | 21°15 | W 8 |
| T 9 | 19 11 5 | 18° 9'21 | 4♑19 | 3° 4 | 4°20 | 14°16 | 9° 1 | 7°11 | 10°57 | 19°48 | 15°46 | 8°30 | 6°59 | 25°18 | 21°11 | T 9 |
| F 10 | 19 15 1 | 19° 6'37 | 17°24 | 4°58 | 5°26 | 14°59 | 9° 7 | 7° 7 | 10°55 | 19°47 | 15°44 | 8°26 | 6°56 | 25°24 | 21° 8 | F 10 |
| S 11 | 19 18 58 | 20° 3'53 | 0♒47 | 6°55 | 6°31 | 15°42 | 9°13 | 7° 3 | 10°53 | 19°46 | 15°43 | 8°20 | 6°53 | 25°31 | 21° 5 | S 11 |
| S 12 | 19 22 54 | 21° 1'09 | 14°26 | 8°55 | 7°37 | 16°26 | 9°20 | 6°59 | 10°52 | 19°44 | 15°42 | 8°13 | 6°50 | 25°38 | 21° 1 | S 12 |
| M13 | 19 26 51 | 21°58'24 | 28°18 | 10°56 | 8°42 | 17° 8 | 9°26 | 6°54 | 10°50 | 19°43 | 15°41 | 8° 6 | 6°46 | 25°44 | 20°58 | M13 |
| T 14 | 19 30 47 | 22°55'39 | 12♓20 | 13° 0 | 9°48 | 17°51 | 9°33 | 6°50 | 10°48 | 19°41 | 15°39 | 8° 0 | 6°43 | 25°51 | 20°55 | T 14 |
| W15 | 19 34 44 | 23°52'54 | 26°28 | 15° 5 | 10°54 | 18°34 | 9°40 | 6°46 | 10°47 | 19°40 | 15°38 | 7°56 | 6°40 | 25°58 | 20°52 | W15 |
| T 16 | 19 38 40 | 24°50'10 | 10♈39 | 17°12 | 12° 0 | 19°17 | 9°47 | 6°42 | 10°45 | 19°39 | 15°37 | 7°53 | 6°37 | 26° 4 | 20°48 | T 16 |
| F 17 | 19 42 37 | 25°47'25 | 24°51 | 19°21 | 13° 7 | 20° 0 | 9°54 | 6°38 | 10°44 | 19°37 | 15°36 | 7°D52 | 6°34 | 26°11 | 20°45 | F 17 |
| S 18 | 19 46 34 | 26°44'41 | 9♉ 0 | 21°30 | 14°13 | 20°42 | 10° 1 | 6°34 | 10°42 | 19°36 | 15°35 | 7°53 | 6°30 | 26°18 | 20°42 | S 18 |
| S 19 | 19 50 30 | 27°41'56 | 23° 7 | 23°40 | 15°20 | 21°25 | 10° 8 | 6°30 | 10°41 | 19°34 | 15°34 | 7°54 | 6°27 | 26°24 | 20°40 | S 19 |
| M20 | 19 54 27 | 28°39'13 | 7♊ 9 | 25°50 | 16°27 | 22° 8 | 10°16 | 6°26 | 10°39 | 19°33 | 15°32 | 7°R54 | 6°24 | 26°31 | 20°37 | M20 |
| T 21 | 19 58 23 | 29°36'29 | 21° 5 | 28° 1 | 17°34 | 22°50 | 10°23 | 6°22 | 10°38 | 19°31 | 15°31 | 7°54 | 6°21 | 26°38 | 20°34 | T 21 |
| W22 | 20 2 20 | 0♌33'45 | 4♋53 | 0♌11 | 18°41 | 23°33 | 10°31 | 6°18 | 10°36 | 19°30 | 15°30 | 7°51 | 6°18 | 26°45 | 20°31 | W22 |
| T 23 | 20 6 16 | 1°31'02 | 18°31 | 2°21 | 19°48 | 24°15 | 10°39 | 6°14 | 10°35 | 19°28 | 15°29 | 7°46 | 6°15 | 26°51 | 20°29 | T 23 |
| F 24 | 20 10 13 | 2°28'19 | 1♌56 | 4°30 | 20°56 | 24°57 | 10°47 | 6°11 | 10°34 | 19°27 | 15°28 | 7°38 | 6°11 | 26°58 | 20°26 | F 24 |
| S 25 | 20 14 9 | 3°25'36 | 15° 6 | 6°39 | 22° 3 | 25°39 | 10°55 | 6° 7 | 10°33 | 19°25 | 15°27 | 7°29 | 6° 8 | 27° 5 | 20°24 | S 25 |
| S 26 | 20 18 6 | 4°22'53 | 28° 0 | 8°46 | 23°11 | 26°22 | 11° 3 | 6° 3 | 10°32 | 19°24 | 15°26 | 7°19 | 6° 5 | 27°11 | 20°21 | S 26 |
| M27 | 20 22 3 | 5°20'09 | 10♍38 | 10°52 | 24°18 | 27° 4 | 11°11 | 6° 0 | 10°30 | 19°22 | 15°25 | 7°10 | 6° 2 | 27°18 | 20°19 | M27 |
| T 28 | 20 25 59 | 6°17'26 | 22°59 | 12°57 | 25°26 | 27°46 | 11°19 | 5°56 | 10°29 | 19°20 | 15°25 | 7° 1 | 5°59 | 27°25 | 20°17 | T 28 |
| W29 | 20 29 56 | 7°14'43 | 5♎ 7 | 15° 0 | 26°34 | 28°28 | 11°28 | 5°53 | 10°28 | 19°19 | 15°24 | 6°54 | 5°56 | 27°31 | 20°15 | W29 |
| T 30 | 20 33 52 | 8°12'00 | 17° 5 | 17° 2 | 27°42 | 29° 9 | 11°37 | 5°49 | 10°27 | 19°17 | 15°23 | 6°50 | 5°52 | 27°38 | 20°13 | T 30 |
| F 31 | 20 37 49 | 9♌ 9'17 | 28♎56 | 19♌ 2 | 28♊50 | 29♊51 | 11♎45 | 5♏46 | 10♐27 | 19♒16 | 15♐22 | 6♊47 | 5♊49 | 27♎45 | 20♐11 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n54 | 5n39 | 4n56 | 20n42 | 2s13 | 16n26 | 2s44 | 21n23 | 0s14 | 2s 7 | 1n16 | 21s58 | 1n 7 | 21s54 | 0n 6 | 14s38 | 0n 7 | 9s36 | 13n 3 | 21n36 | 21n26 | 6s 8 | 16s40 | 6n24 |
| T 2 | 22 49 | 0 31 | 4 29 | 20 59 | 2 2 | 16 40 | 2 44 | 21 30 | 0 13 | 2 9 | 1 16 | 21 58 | 1 7 | 21 54 | 0 6 | 14 38 | 0 7 | 9 36 | 13 3 | 21 36 | 21 25 | 6 11 | 16 39 | 6 24 |
| F 3 | 22 44 | 4s35 | 3 51 | 21 15 | 1 51 | 16 55 | 2 44 | 21 37 | 0 12 | 2 11 | 1 15 | 21 59 | 1 7 | 21 54 | 0 6 | 14 39 | 0 7 | 9 36 | 13 2 | 21 36 | 21 25 | 6 14 | 16 39 | 6 24 |
| S 4 | 22 39 | 9 32 | 3 2 | 21 32 | 1 40 | 17 9 | 2 44 | 21 44 | 0 12 | 2 13 | 1 15 | 21 59 | 1 7 | 21 54 | 0 6 | 14 39 | 0 7 | 9 36 | 13 2 | 21 36 | 21 24 | 6 17 | 16 39 | 6 24 |
| S 5 | 22 33 | 14 10 | 2 6 | 21 47 | 1 28 | 17 23 | 2 44 | 21 51 | 0 11 | 2 15 | 1 15 | 21 59 | 1 7 | 21 53 | 0 6 | 14 40 | 0 7 | 9 36 | 13 2 | 21 36 | 21 24 | 6 20 | 16 39 | 6 24 |
| M 6 | 22 26 | 18 18 | 1 4 | 22 1 | 1 17 | 17 36 | 2 43 | 21 57 | 0 10 | 2 18 | 1 15 | 22 0 | 1 7 | 21 53 | 0 6 | 14 40 | 0 7 | 9 36 | 13 1 | 21 37 | 21 23 | 6 23 | 16 39 | 6 24 |
| T 7 | 22 20 | 21 44 | 0s 3 | 22 14 | 1 5 | 17 50 | 2 43 | 22 4 | 0 9 | 2 20 | 1 14 | 22 0 | 1 7 | 21 53 | 0 6 | 14 40 | 0 7 | 9 36 | 13 1 | 21 37 | 21 23 | 6 26 | 16 39 | 6 24 |
| W 8 | 22 13 | 24 12 | 1 10 | 22 25 | 0 53 | 18 3 | 2 42 | 22 10 | 0 9 | 2 23 | 1 14 | 22 0 | 1 6 | 21 53 | 0 6 | 14 41 | 0 7 | 9 37 | 13 1 | 21 37 | 21 22 | 6 29 | 16 39 | 6 24 |
| T 9 | 22 5 | 25 30 | 2 15 | 22 35 | 0 41 | 18 15 | 2 41 | 22 16 | 0 8 | 2 25 | 1 14 | 22 1 | 1 6 | 21 52 | 0 6 | 14 41 | 0 7 | 9 37 | 13 1 | 21 36 | 21 22 | 6 32 | 16 39 | 6 23 |
| F 10 | 21 57 | 25 25 | 3 15 | 22 44 | 0 29 | 18 28 | 2 40 | 22 21 | 0 7 | 2 28 | 1 14 | 22 1 | 1 6 | 21 52 | 0 6 | 14 42 | 0 7 | 9 37 | 13 0 | 21 36 | 21 21 | 6 35 | 16 39 | 6 23 |
| S 11 | 21 49 | 23 52 | 4 5 | 22 50 | 0 18 | 18 40 | 2 39 | 22 27 | 0 6 | 2 30 | 1 14 | 22 1 | 1 6 | 21 52 | 0 6 | 14 42 | 0 7 | 9 37 | 13 0 | 21 35 | 21 21 | 6 38 | 16 39 | 6 23 |
| S 12 | 21 41 | 20 55 | 4 43 | 22 55 | 0 6 | 18 52 | 2 38 | 22 32 | 0 6 | 2 33 | 1 13 | 22 2 | 1 6 | 21 52 | 0 6 | 14 42 | 0 7 | 9 37 | 13 0 | 21 34 | 21 20 | 6 41 | 16 38 | 6 23 |
| M13 | 21 32 | 16 45 | 5 4 | 22 57 | 0n 5 | 19 3 | 2 37 | 22 37 | 0 5 | 2 36 | 1 13 | 22 2 | 1 6 | 21 52 | 0 6 | 14 43 | 0 7 | 9 38 | 12 59 | 21 33 | 21 20 | 6 44 | 16 38 | 6 23 |
| T 14 | 21 22 | 11 38 | 5 8 | 22 57 | 0 16 | 19 14 | 2 36 | 22 41 | 0 4 | 2 39 | 1 13 | 22 2 | 1 6 | 21 51 | 0 6 | 14 43 | 0 7 | 9 38 | 12 59 | 21 32 | 21 19 | 6 47 | 16 38 | 6 23 |
| W15 | 21 13 | 5 52 | 4 53 | 22 54 | 0 27 | 19 25 | 2 34 | 22 46 | 0 3 | 2 41 | 1 13 | 22 3 | 1 6 | 21 51 | 0 6 | 14 44 | 0 7 | 9 38 | 12 59 | 21 31 | 21 18 | 6 50 | 16 38 | 6 22 |
| T 16 | 21 3 | 0n13 | 4 20 | 22 49 | 0 37 | 19 35 | 2 33 | 22 50 | 0 3 | 2 44 | 1 13 | 22 3 | 1 6 | 21 51 | 0 6 | 14 44 | 0 7 | 9 38 | 12 58 | 21 30 | 21 18 | 6 53 | 16 38 | 6 22 |
| F 17 | 20 52 | 6 18 | 3 31 | 22 41 | 0 46 | 19 45 | 2 31 | 22 54 | 0 2 | 2 47 | 1 12 | 22 3 | 1 5 | 21 51 | 0 5 | 14 45 | 0 7 | 9 39 | 12 58 | 21 30 | 21 17 | 6 56 | 16 38 | 6 22 |
| S 18 | 20 42 | 12 4 | 2 29 | 22 31 | 0 55 | 19 55 | 2 30 | 22 58 | 0 1 | 2 50 | 1 12 | 22 4 | 1 5 | 21 50 | 0 5 | 14 45 | 0 7 | 9 39 | 12 57 | 21 30 | 21 17 | 7 0 | 16 39 | 6 22 |
| S 19 | 20 31 | 17 11 | 1 19 | 22 18 | 1 4 | 20 4 | 2 28 | 23 2 | 0 0 | 2 53 | 1 12 | 22 4 | 1 5 | 21 50 | 0 5 | 14 46 | 0 7 | 9 39 | 12 57 | 21 31 | 21 16 | 7 3 | 16 39 | 6 21 |
| M20 | 20 19 | 21 19 | 0 4 | 22 2 | 1 12 | 20 12 | 2 26 | 23 5 | 0n 0 | 2 56 | 1 12 | 22 4 | 1 5 | 21 50 | 0 5 | 14 46 | 0 7 | 9 39 | 12 57 | 21 31 | 21 16 | 7 6 | 16 39 | 6 21 |
| T 21 | 20 7 | 24 11 | 1n10 | 21 44 | 1 19 | 20 21 | 2 24 | 23 8 | 0 1 | 2 59 | 1 12 | 22 5 | 1 5 | 21 50 | 0 5 | 14 47 | 0 7 | 9 40 | 12 56 | 21 31 | 21 15 | 7 9 | 16 39 | 6 21 |
| W22 | 19 55 | 25 33 | 2 20 | 21 23 | 1 25 | 20 28 | 2 22 | 23 11 | 0 2 | 3 3 | 1 12 | 22 5 | 1 5 | 21 50 | 0 5 | 14 47 | 0 7 | 9 40 | 12 56 | 21 30 | 21 15 | 7 12 | 16 39 | 6 21 |
| T 23 | 19 43 | 25 21 | 3 20 | 21 0 | 1 31 | 20 36 | 2 20 | 23 14 | 0 3 | 3 6 | 1 11 | 22 5 | 1 5 | 21 50 | 0 5 | 14 47 | 0 7 | 9 40 | 12 55 | 21 29 | 21 14 | 7 15 | 16 39 | 6 20 |
| F 24 | 19 30 | 23 39 | 4 8 | 20 35 | 1 35 | 20 43 | 2 18 | 23 16 | 0 3 | 3 9 | 1 11 | 22 6 | 1 5 | 21 49 | 0 5 | 14 48 | 0 7 | 9 41 | 12 55 | 21 28 | 21 14 | 7 18 | 16 39 | 6 20 |
| S 25 | 19 17 | 20 43 | 4 42 | 20 7 | 1 39 | 20 49 | 2 16 | 23 19 | 0 4 | 3 12 | 1 11 | 22 6 | 1 4 | 21 49 | 0 5 | 14 48 | 0 7 | 9 41 | 12 55 | 21 27 | 21 13 | 7 21 | 16 39 | 6 20 |
| S 26 | 19 4 | 16 48 | 5 1 | 19 37 | 1 43 | 20 55 | 2 13 | 23 21 | 0 5 | 3 16 | 1 11 | 22 6 | 1 4 | 21 49 | 0 5 | 14 49 | 0 7 | 9 41 | 12 54 | 21 25 | 21 13 | 7 24 | 16 39 | 6 19 |
| M27 | 18 50 | 12 14 | 5 4 | 19 6 | 1 45 | 21 1 | 2 11 | 23 22 | 0 6 | 3 19 | 1 11 | 22 6 | 1 4 | 21 49 | 0 5 | 14 49 | 0 7 | 9 42 | 12 54 | 21 23 | 21 12 | 7 27 | 16 39 | 6 19 |
| T 28 | 18 36 | 7 16 | 4 53 | 18 33 | 1 47 | 21 5 | 2 9 | 23 24 | 0 6 | 3 22 | 1 10 | 22 7 | 1 4 | 21 49 | 0 5 | 14 50 | 0 7 | 9 42 | 12 53 | 21 22 | 21 11 | 7 30 | 16 40 | 6 19 |
| W29 | 18 22 | 2 6 | 4 29 | 17 58 | 1 48 | 21 10 | 2 6 | 23 25 | 0 7 | 3 26 | 1 10 | 22 7 | 1 4 | 21 49 | 0 5 | 14 50 | 0 7 | 9 42 | 12 53 | 21 21 | 21 11 | 7 33 | 16 40 | 6 19 |
| T 30 | 18 7 | 3s 5 | 3 53 | 17 22 | 1 48 | 21 14 | 2 4 | 23 27 | 0 8 | 3 29 | 1 10 | 22 7 | 1 4 | 21 49 | 0 5 | 14 51 | 0 7 | 9 43 | 12 53 | 21 20 | 21 10 | 7 36 | 16 40 | 6 18 |
| F 31 | 17n52 | 8s 6 | 3n 8 | 16n45 | 1n48 | 21n17 | 2s 1 | 23n28 | 0n 9 | 3s33 | 1n10 | 22s 8 | 1n 4 | 21s48 | 0n 5 | 14s51 | 0n 7 | 9s43 | 12n52 | 21n20 | 21n10 | 7s39 | 16s40 | 6n18 |

Julian Day Number = 2812951.5, Delta T = 53m44s
Ecliptic obliquity = 23°18'43, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°35'31, Lahiri = 37°42'31


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# ASTRODIENST EPHEMERIS for the year 2989
# geocentric

## AUGUST 2989 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 41 45 | 10♌ 6'34 | 10♏46 | 21♌ 0 | 29♊59 | 0♋33 | 11♎54 | 5°R43 | 10°R26 | 19°R14 | 15°R21 | 6°D47 | 5♊46 | 27♎51 | 20°R 9 | S 1 |
| S 2 | 20 45 42 | 11° 3'51 | 22°40 | 22°57 | 1♋ 7 | 1°15 | 12° 3 | 5♑39 | 10♐25 | 19♒12 | 15♐21 | 6♊47 | 5°43 | 27°58 | 20♐ 7 | S 2 |
| M 3 | 20 49 38 | 12° 1'08 | 4♐42 | 24°52 | 2°16 | 1°56 | 12°12 | 5°36 | 10°24 | 19°11 | 15°20 | 6°R48 | 5°40 | 28° 5 | 20° 6 | M 3 |
| T 4 | 20 53 35 | 12°58'25 | 17° 0 | 26°45 | 3°24 | 2°38 | 12°21 | 5°33 | 10°23 | 19° 9 | 15°19 | 6°47 | 5°36 | 28°11 | 20° 4 | T 4 |
| W 5 | 20 57 32 | 13°55'43 | 29°35 | 28°36 | 4°33 | 3°19 | 12°30 | 5°30 | 10°23 | 19° 8 | 15°19 | 6°45 | 5°33 | 28°18 | 20° 3 | W 5 |
| T 6 | 21 1 28 | 14°53'01 | 12♑33 | 0♍26 | 5°42 | 4° 1 | 12°40 | 5°27 | 10°22 | 19° 6 | 15°18 | 6°41 | 5°30 | 28°25 | 20° 1 | T 6 |
| F 7 | 21 5 25 | 15°50'19 | 25°53 | 2°14 | 6°51 | 4°42 | 12°49 | 5°24 | 10°21 | 19° 4 | 15°17 | 6°34 | 5°27 | 28°31 | 20° 0 | F 7 |
| S 8 | 21 9 21 | 16°47'37 | 9♒37 | 3°59 | 8° 0 | 5°23 | 12°59 | 5°22 | 10°21 | 19° 3 | 15°17 | 6°24 | 5°24 | 28°38 | 19°59 | S 8 |
| S 9 | 21 13 18 | 17°44'57 | 23°41 | 5°44 | 9° 9 | 6° 5 | 13° 8 | 5°19 | 10°20 | 19° 1 | 15°16 | 6°14 | 5°21 | 28°45 | 19°58 | S 9 |
| M10 | 21 17 14 | 18°42'16 | 8♓ 0 | 7°26 | 10°18 | 6°46 | 13°18 | 5°16 | 10°20 | 19° 0 | 15°16 | 6° 3 | 5°17 | 28°51 | 19°57 | M10 |
| T 11 | 21 21 11 | 19°39'36 | 22°28 | 9° 7 | 11°27 | 7°27 | 13°28 | 5°14 | 10°20 | 18°58 | 15°15 | 5°53 | 5°14 | 28°58 | 19°56 | T 11 |
| W12 | 21 25 7 | 20°36'57 | 6♈59 | 10°45 | 12°37 | 8° 8 | 13°38 | 5°11 | 10°19 | 18°56 | 15°15 | 5°46 | 5°11 | 29° 5 | 19°55 | W12 |
| T 13 | 21 29 4 | 21°34'19 | 21°27 | 12°22 | 13°46 | 8°49 | 13°48 | 5° 9 | 10°19 | 18°55 | 15°14 | 5°40 | 5° 8 | 29°11 | 19°54 | T 13 |
| F 14 | 21 33 1 | 22°31'42 | 5♉48 | 13°58 | 14°56 | 9°30 | 13°58 | 5° 7 | 10°19 | 18°53 | 15°14 | 5°38 | 5° 5 | 29°18 | 19°53 | F 14 |
| S 15 | 21 36 57 | 23°29'06 | 19°58 | 15°31 | 16° 6 | 10°10 | 14° 8 | 5° 4 | 10°19 | 18°51 | 15°14 | 5°D37 | 5° 2 | 29°25 | 19°53 | S 15 |
| S 16 | 21 40 54 | 24°26'32 | 3♊57 | 17° 3 | 17°15 | 10°51 | 14°18 | 5° 2 | 10°19 | 18°50 | 15°13 | 5°R37 | 4°58 | 29°31 | 19°52 | S 16 |
| M17 | 21 44 50 | 25°23'58 | 17°45 | 18°33 | 18°25 | 11°32 | 14°28 | 5° 0 | 10°18 | 18°48 | 15°13 | 5°37 | 4°55 | 29°38 | 19°52 | M17 |
| T 18 | 21 48 47 | 26°21'25 | 1♋21 | 20° 1 | 19°35 | 12°12 | 14°39 | 4°58 | 10°D18 | 18°47 | 15°13 | 5°35 | 4°52 | 29°45 | 19°52 | T 18 |
| W19 | 21 52 43 | 27°18'54 | 14°47 | 21°28 | 20°45 | 12°53 | 14°49 | 4°56 | 10°18 | 18°45 | 15°13 | 5°30 | 4°49 | 29°51 | 19°51 | W19 |
| T 20 | 21 56 40 | 28°16'24 | 28° 1 | 22°52 | 21°56 | 13°33 | 15° 0 | 4°55 | 10°19 | 18°43 | 15°12 | 5°23 | 4°46 | 29°58 | 19°D51 | T 20 |
| F 21 | 22 0 36 | 29°13'54 | 11♌ 5 | 24°15 | 23° 6 | 14°14 | 15°11 | 4°53 | 10°19 | 18°42 | 15°12 | 5°13 | 4°42 | 0♏ 5 | 19°51 | F 21 |
| S 22 | 22 4 33 | 0♍11'26 | 23°56 | 25°36 | 24°16 | 14°54 | 15°21 | 4°51 | 10°19 | 18°40 | 15°12 | 5° 1 | 4°39 | 0°11 | 19°51 | S 22 |
| S 23 | 22 8 30 | 1° 8'58 | 6♍34 | 26°55 | 25°27 | 15°34 | 15°32 | 4°50 | 10°19 | 18°39 | 15°12 | 4°48 | 4°36 | 0°18 | 19°52 | S 23 |
| M24 | 22 12 26 | 2° 6'32 | 19° 0 | 28°12 | 26°37 | 16°14 | 15°43 | 4°48 | 10°19 | 18°37 | 15°12 | 4°35 | 4°33 | 0°25 | 19°52 | M24 |
| T 25 | 22 16 23 | 3° 4'06 | 1♎14 | 29°27 | 27°48 | 16°54 | 15°54 | 4°47 | 10°20 | 18°35 | 15°D12 | 4°23 | 4°30 | 0°31 | 19°52 | T 25 |
| W26 | 22 20 19 | 4° 1'41 | 13°16 | 0♎40 | 28°58 | 17°34 | 16° 5 | 4°46 | 10°20 | 18°34 | 15°12 | 4°13 | 4°27 | 0°38 | 19°53 | W26 |
| T 27 | 22 24 16 | 4°59'18 | 25°10 | 1°51 | 0♌ 9 | 18°14 | 16°16 | 4°45 | 10°21 | 18°32 | 15°12 | 4° 6 | 4°23 | 0°45 | 19°53 | T 27 |
| F 28 | 22 28 12 | 5°56'55 | 6♏59 | 2°59 | 1°20 | 18°54 | 16°27 | 4°44 | 10°21 | 18°31 | 15°12 | 4° 1 | 4°20 | 0°51 | 19°54 | F 28 |
| S 29 | 22 32 9 | 6°54'33 | 18°47 | 4° 6 | 2°31 | 19°34 | 16°38 | 4°43 | 10°22 | 18°29 | 15°12 | 3°59 | 4°17 | 0°58 | 19°55 | S 29 |
| S 30 | 22 36 5 | 7°52'12 | 0♐39 | 5° 9 | 3°42 | 20°14 | 16°50 | 4°42 | 10°22 | 18°28 | 15°12 | 3°59 | 4°14 | 1° 5 | 19°56 | S 30 |
| M31 | 22 40 2 | 8♍49'52 | 12♐41 | 6♎11 | 4♌53 | 20♋53 | 17♎ 1 | 4♑41 | 10♐23 | 18♒26 | 15♐13 | 3♊59 | 4♊11 | 1♏11 | 19♐57 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n37 | 12s51 | 2n14 | 16n 6 | 1n47 | 21n20 | 1s58 | 23n28 | 0n10 | 3s37 | 1n10 | 22s 8 | 1n 4 | 21s48 | 0n 5 | 14s52 | 0n 7 | 9s43 | 12n52 | 21n20 | 21n 9 | 7s42 | 16s40 | 6n18 |
| S 2 | 17 22 | 17 8 | 1 15 | 15 27 | 1 45 | 21 23 | 1 56 | 23 29 | 0 10 | 3 40 | 1 10 | 22 8 | 1 3 | 21 48 | 0 5 | 14 52 | 0 7 | 9 44 | 12 51 | 21 20 | 21 9 | 7 45 | 16 41 | 6 17 |
| M 3 | 17 6 | 20 47 | 0 11 | 14 46 | 1 42 | 21 25 | 1 53 | 23 29 | 0 11 | 3 44 | 1 9 | 22 8 | 1 3 | 21 48 | 0 5 | 14 53 | 0 7 | 9 44 | 12 51 | 21 20 | 21 8 | 7 48 | 16 41 | 6 17 |
| T 4 | 16 50 | 23 35 | 0s54 | 14 5 | 1 40 | 21 26 | 1 50 | 23 29 | 0 12 | 3 47 | 1 9 | 22 9 | 1 3 | 21 48 | 0 5 | 14 53 | 0 7 | 9 44 | 12 50 | 21 20 | 21 8 | 7 51 | 16 41 | 6 16 |
| W 5 | 16 34 | 25 17 | 1 58 | 13 24 | 1 36 | 21 27 | 1 47 | 23 29 | 0 13 | 3 51 | 1 9 | 22 9 | 1 3 | 21 48 | 0 5 | 14 54 | 0 7 | 9 45 | 12 50 | 21 19 | 21 7 | 7 54 | 16 41 | 6 16 |
| T 6 | 16 17 | 25 41 | 2 58 | 12 42 | 1 32 | 21 27 | 1 44 | 23 29 | 0 13 | 3 55 | 1 9 | 22 9 | 1 3 | 21 48 | 0 5 | 14 55 | 0 7 | 9 45 | 12 49 | 21 19 | 21 6 | 7 57 | 16 42 | 6 16 |
| F 7 | 16 0 | 24 37 | 3 50 | 11 59 | 1 27 | 21 27 | 1 41 | 23 28 | 0 14 | 3 59 | 1 9 | 22 10 | 1 3 | 21 48 | 0 5 | 14 55 | 0 7 | 9 46 | 12 49 | 21 17 | 21 6 | 8 0 | 16 42 | 6 15 |
| S 8 | 15 43 | 22 5 | 4 30 | 11 16 | 1 22 | 21 26 | 1 38 | 23 27 | 0 15 | 4 3 | 1 9 | 22 10 | 1 2 | 21 48 | 0 5 | 14 56 | 0 7 | 9 46 | 12 49 | 21 16 | 21 5 | 8 3 | 16 42 | 6 15 |
| S 9 | 15 26 | 18 11 | 4 55 | 10 33 | 1 17 | 21 25 | 1 35 | 23 26 | 0 16 | 4 6 | 1 9 | 22 10 | 1 2 | 21 48 | 0 5 | 14 56 | 0 7 | 9 46 | 12 48 | 21 14 | 21 5 | 8 6 | 16 43 | 6 15 |
| M10 | 15 8 | 13 11 | 5 2 | 9 50 | 1 11 | 21 23 | 1 32 | 23 25 | 0 17 | 4 10 | 1 8 | 22 10 | 1 2 | 21 48 | 0 5 | 14 57 | 0 7 | 9 47 | 12 48 | 21 12 | 21 4 | 8 9 | 16 43 | 6 14 |
| T 11 | 14 51 | 7 24 | 4 49 | 9 7 | 1 5 | 21 20 | 1 29 | 23 24 | 0 17 | 4 14 | 1 8 | 22 11 | 1 2 | 21 48 | 0 5 | 14 57 | 0 7 | 9 47 | 12 47 | 21 11 | 21 4 | 8 12 | 16 43 | 6 14 |
| W12 | 14 33 | 1 12 | 4 19 | 8 23 | 0 58 | 21 17 | 1 26 | 23 22 | 0 18 | 4 18 | 1 8 | 22 11 | 1 2 | 21 48 | 0 5 | 14 58 | 0 7 | 9 48 | 12 47 | 21 9 | 21 3 | 8 15 | 16 44 | 6 13 |
| T 13 | 14 14 | 5n 3 | 3 31 | 7 40 | 0 51 | 21 14 | 1 23 | 23 20 | 0 19 | 4 22 | 1 8 | 22 11 | 1 2 | 21 48 | 0 5 | 14 58 | 0 7 | 9 48 | 12 46 | 21 8 | 21 2 | 8 18 | 16 44 | 6 13 |
| F 14 | 13 56 | 11 1 | 2 31 | 6 57 | 0 43 | 21 9 | 1 20 | 23 18 | 0 20 | 4 26 | 1 8 | 22 11 | 1 2 | 21 48 | 0 5 | 14 59 | 0 7 | 9 49 | 12 46 | 21 8 | 21 2 | 8 21 | 16 44 | 6 12 |
| S 15 | 13 37 | 16 19 | 1 22 | 6 14 | 0 36 | 21 5 | 1 17 | 23 16 | 0 21 | 4 30 | 1 8 | 22 12 | 1 1 | 21 48 | 0 5 | 14 59 | 0 7 | 9 49 | 12 45 | 21 8 | 21 1 | 8 24 | 16 45 | 6 12 |
| S 16 | 13 18 | 20 41 | 0 9 | 5 31 | 0 28 | 20 59 | 1 14 | 23 14 | 0 21 | 4 34 | 1 8 | 22 12 | 1 1 | 21 48 | 0 5 | 15 0 | 0 7 | 9 49 | 12 45 | 21 8 | 21 1 | 8 27 | 16 45 | 6 12 |
| M17 | 12 59 | 23 49 | 1n 4 | 4 48 | 0 19 | 20 53 | 1 10 | 23 11 | 0 22 | 4 38 | 1 7 | 22 12 | 1 1 | 21 48 | 0 5 | 15 0 | 0 7 | 9 50 | 12 44 | 21 8 | 21 0 | 8 30 | 16 45 | 6 11 |
| T 18 | 12 40 | 25 30 | 2 12 | 4 6 | 0 11 | 20 47 | 1 7 | 23 8 | 0 23 | 4 42 | 1 7 | 22 12 | 1 1 | 21 48 | 0 5 | 15 1 | 0 7 | 9 50 | 12 44 | 21 7 | 21 0 | 8 33 | 16 46 | 6 11 |
| W19 | 12 20 | 25 40 | 3 11 | 3 24 | 0 2 | 20 40 | 1 4 | 23 5 | 0 24 | 4 47 | 1 7 | 22 13 | 1 1 | 21 48 | 0 5 | 15 1 | 0 7 | 9 51 | 12 43 | 21 6 | 20 59 | 8 36 | 16 46 | 6 10 |
| T 20 | 12 1 | 24 21 | 3 59 | 2 42 | 0s 7 | 20 32 | 1 1 | 23 2 | 0 25 | 4 51 | 1 7 | 22 13 | 1 1 | 21 48 | 0 5 | 15 2 | 0 7 | 9 51 | 12 43 | 21 5 | 20 59 | 8 39 | 16 47 | 6 10 |
| F 21 | 11 41 | 21 45 | 4 34 | 2 1 | 0 16 | 20 24 | 0 57 | 22 59 | 0 26 | 4 55 | 1 7 | 22 13 | 1 0 | 21 48 | 0 5 | 15 2 | 0 7 | 9 52 | 12 42 | 21 3 | 20 58 | 8 42 | 16 47 | 6 9 |
| S 22 | 11 21 | 18 6 | 4 54 | 1 21 | 0 26 | 20 16 | 0 54 | 22 55 | 0 26 | 4 59 | 1 7 | 22 13 | 1 0 | 21 48 | 0 5 | 15 3 | 0 7 | 9 52 | 12 42 | 21 1 | 20 57 | 8 45 | 16 48 | 6 9 |
| S 23 | 11 1 | 13 42 | 5 0 | 0 40 | 0 36 | 20 6 | 0 51 | 22 52 | 0 27 | 5 3 | 1 7 | 22 13 | 1 0 | 21 48 | 0 5 | 15 3 | 0 7 | 9 53 | 12 41 | 20 59 | 20 57 | 8 48 | 16 48 | 6 9 |
| M24 | 10 40 | 8 47 | 4 51 | 0 1 | 0 45 | 19 57 | 0 47 | 22 48 | 0 28 | 5 8 | 1 7 | 22 14 | 1 0 | 21 48 | 0 5 | 15 4 | 0 7 | 9 53 | 12 41 | 20 56 | 20 56 | 8 51 | 16 49 | 6 8 |
| T 25 | 10 20 | 3 37 | 4 28 | 0s38 | 0 55 | 19 46 | 0 44 | 22 44 | 0 29 | 5 12 | 1 6 | 22 14 | 1 0 | 21 48 | 0 5 | 15 4 | 0 7 | 9 54 | 12 40 | 20 54 | 20 56 | 8 54 | 16 49 | 6 8 |
| W26 | 9 59 | 1s37 | 3 54 | 1 16 | 1 5 | 19 35 | 0 41 | 22 39 | 0 30 | 5 16 | 1 6 | 22 14 | 1 0 | 21 48 | 0 5 | 15 5 | 0 7 | 9 54 | 12 40 | 20 53 | 20 55 | 8 57 | 16 49 | 6 7 |
| T 27 | 9 38 | 6 44 | 3 10 | 1 53 | 1 16 | 19 24 | 0 38 | 22 35 | 0 30 | 5 21 | 1 6 | 22 14 | 0 59 | 21 48 | 0 5 | 15 5 | 0 7 | 9 55 | 12 39 | 20 51 | 20 54 | 9 0 | 16 50 | 6 7 |
| F 28 | 9 17 | 11 36 | 2 18 | 2 30 | 1 26 | 19 12 | 0 34 | 22 30 | 0 31 | 5 25 | 1 6 | 22 14 | 0 59 | 21 48 | 0 5 | 15 6 | 0 7 | 9 55 | 12 39 | 20 50 | 20 54 | 9 3 | 16 50 | 6 6 |
| S 29 | 8 56 | 16 3 | 1 20 | 3 5 | 1 36 | 18 59 | 0 31 | 22 25 | 0 32 | 5 29 | 1 6 | 22 15 | 0 59 | 21 48 | 0 5 | 15 6 | 0 7 | 9 56 | 12 38 | 20 50 | 20 53 | 9 6 | 16 51 | 6 6 |
| S 30 | 8 34 | 19 54 | 0 18 | 3 40 | 1 46 | 18 46 | 0 28 | 22 20 | 0 33 | 5 34 | 1 6 | 22 15 | 0 59 | 21 48 | 0 5 | 15 7 | 0 7 | 9 56 | 12 38 | 20 50 | 20 53 | 9 8 | 16 51 | 6 5 |
| M31 | 8n13 | 22s57 | 0s46 | 4s14 | 1s57 | 18n33 | 0s24 | 22n15 | 0n34 | 5s38 | 1n 6 | 22s15 | 0n59 | 21s48 | 0n 5 | 15s 7 | 0n 7 | 9s57 | 12n37 | 20n50 | 20n52 | 9s11 | 16s52 | 6n 5 |

Julian Day Number = 2812982.5, Delta T = 53m45s
Ecliptic obliquity = 23°18'44, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°35'35, Lahiri = 37°42'36


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# ASTRODIENST EPHEMERIS for the year 2989
# geocentric

## SEPTEMBER 2989 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 43 59 | 9♍47'33 | 24♐57 | 7♎ 9 | 6♌ 4 | 21♋33 | 17♎12 | 4°R40 | 10♐24 | 18°R25 | 15♐13 | 3°R58 | 4♊ 7 | 1♏18 | 19♐58 | T 1 |
| W 2 | 22 47 55 | 10°45'15 | 7♑33 | 8° 5 | 7°15 | 22°12 | 17°24 | 4♑40 | 10°24 | 18♒23 | 15°13 | 3♊56 | 4° 4 | 1°25 | 19°59 | W 2 |
| T 3 | 22 51 52 | 11°42'57 | 20°33 | 8°58 | 8°27 | 22°52 | 17°35 | 4°39 | 10°25 | 18°22 | 15°13 | 3°51 | 4° 1 | 1°31 | 20° 0 | T 3 |
| F 4 | 22 55 48 | 12°40'41 | 4♒ 1 | 9°48 | 9°38 | 23°31 | 17°47 | 4°39 | 10°26 | 18°20 | 15°14 | 3°44 | 3°58 | 1°38 | 20° 2 | F 4 |
| S 5 | 22 59 45 | 13°38'26 | 17°55 | 10°34 | 10°49 | 24°10 | 17°59 | 4°39 | 10°27 | 18°19 | 15°14 | 3°35 | 3°55 | 1°45 | 20° 3 | S 5 |
| S 6 | 23 3 41 | 14°36'12 | 2♓15 | 11°17 | 12° 1 | 24°49 | 18°10 | 4°39 | 10°28 | 18°17 | 15°14 | 3°24 | 3°52 | 1°51 | 20° 5 | S 6 |
| M 7 | 23 7 38 | 15°34'00 | 16°55 | 11°57 | 13°12 | 25°28 | 18°22 | 4°D38 | 10°29 | 18°16 | 15°15 | 3°13 | 3°48 | 1°58 | 20° 6 | M 7 |
| T 8 | 23 11 34 | 16°31'48 | 1♈47 | 12°32 | 14°24 | 26° 7 | 18°34 | 4°38 | 10°30 | 18°15 | 15°15 | 3° 3 | 3°45 | 2° 5 | 20° 8 | T 8 |
| W 9 | 23 15 31 | 17°29'39 | 16°42 | 13° 4 | 15°36 | 26°46 | 18°46 | 4°39 | 10°31 | 18°13 | 15°16 | 2°55 | 3°42 | 2°11 | 20°10 | W 9 |
| T 10 | 23 19 28 | 18°27'30 | 1♉32 | 13°31 | 16°48 | 27°25 | 18°58 | 4°39 | 10°32 | 18°12 | 15°16 | 2°50 | 3°39 | 2°18 | 20°12 | T 10 |
| F 11 | 23 23 24 | 19°25'24 | 16°10 | 13°54 | 17°59 | 28° 4 | 19°10 | 4°39 | 10°34 | 18°11 | 15°17 | 2°47 | 3°36 | 2°25 | 20°14 | F 11 |
| S 12 | 23 27 21 | 20°23'19 | 0♊32 | 14°11 | 19°11 | 28°43 | 19°22 | 4°39 | 10°35 | 18° 9 | 15°17 | 2°D46 | 3°33 | 2°31 | 20°16 | S 12 |
| S 13 | 23 31 17 | 21°21'16 | 14°35 | 14°24 | 20°23 | 29°21 | 19°34 | 4°40 | 10°36 | 18° 8 | 15°18 | 2°R46 | 3°29 | 2°38 | 20°18 | S 13 |
| M14 | 23 35 14 | 22°19'15 | 28°19 | 14°31 | 21°36 | 29°59 | 19°46 | 4°41 | 10°38 | 18° 7 | 15°19 | 2°46 | 3°26 | 2°45 | 20°20 | M14 |
| T 15 | 23 39 10 | 23°17'16 | 11♋46 | 14°R32 | 22°48 | 0♌38 | 19°58 | 4°41 | 10°39 | 18° 5 | 15°19 | 2°45 | 3°23 | 2°51 | 20°23 | T 15 |
| W16 | 23 43 7 | 24°15'19 | 24°57 | 14°28 | 24° 0 | 1°16 | 20°10 | 4°42 | 10°40 | 18° 4 | 15°20 | 2°41 | 3°20 | 2°58 | 20°25 | W16 |
| T 17 | 23 47 3 | 25°13'23 | 7♌54 | 14°17 | 25°12 | 1°55 | 20°22 | 4°43 | 10°42 | 18° 3 | 15°21 | 2°35 | 3°17 | 3° 5 | 20°28 | T 17 |
| F 18 | 23 51 0 | 26°11'29 | 20°38 | 14° 1 | 26°25 | 2°33 | 20°35 | 4°44 | 10°43 | 18° 2 | 15°22 | 2°26 | 3°13 | 3°11 | 20°31 | F 18 |
| S 19 | 23 54 57 | 27° 9'37 | 3♍11 | 13°38 | 27°37 | 3°11 | 20°47 | 4°45 | 10°45 | 18° 1 | 15°22 | 2°15 | 3°10 | 3°18 | 20°33 | S 19 |
| S 20 | 23 58 53 | 28° 7'46 | 15°34 | 13° 8 | 28°50 | 3°49 | 20°59 | 4°46 | 10°47 | 17°59 | 15°23 | 2° 4 | 3° 7 | 3°25 | 20°36 | S 20 |
| M21 | 0 2 50 | 29° 5'58 | 27°46 | 12°33 | 0♍ 2 | 4°27 | 21°12 | 4°48 | 10°48 | 17°58 | 15°24 | 1°52 | 3° 4 | 3°31 | 20°39 | M21 |
| T 22 | 0 6 46 | 0♎ 4'11 | 9♎50 | 11°52 | 1°15 | 5° 5 | 21°24 | 4°49 | 10°50 | 17°57 | 15°25 | 1°41 | 3° 1 | 3°38 | 20°42 | T 22 |
| W23 | 0 10 43 | 1° 2'25 | 21°46 | 11° 5 | 2°27 | 5°43 | 21°37 | 4°50 | 10°52 | 17°56 | 15°26 | 1°33 | 2°58 | 3°45 | 20°45 | W23 |
| T 24 | 0 14 39 | 2° 0'41 | 3♏36 | 10°13 | 3°40 | 6°20 | 21°49 | 4°52 | 10°54 | 17°55 | 15°27 | 1°26 | 2°54 | 3°51 | 20°48 | T 24 |
| F 25 | 0 18 36 | 2°58'59 | 15°23 | 9°18 | 4°53 | 6°58 | 22° 2 | 4°54 | 10°56 | 17°54 | 15°28 | 1°23 | 2°51 | 3°58 | 20°52 | F 25 |
| S 26 | 0 22 32 | 3°57'18 | 27°10 | 8°19 | 6° 6 | 7°35 | 22°14 | 4°55 | 10°58 | 17°53 | 15°29 | 1°D21 | 2°48 | 4° 5 | 20°55 | S 26 |
| S 27 | 0 26 29 | 4°55'39 | 9♐ 1 | 7°18 | 7°19 | 8°13 | 22°27 | 4°57 | 11° 0 | 17°52 | 15°30 | 1°21 | 2°45 | 4°11 | 20°58 | S 27 |
| M28 | 0 30 25 | 5°54'02 | 21° 1 | 6°17 | 8°32 | 8°50 | 22°40 | 4°59 | 11° 2 | 17°51 | 15°31 | 1°22 | 2°42 | 4°18 | 21° 2 | M28 |
| T 29 | 0 34 22 | 6°52'26 | 3♑15 | 5°16 | 9°45 | 9°27 | 22°52 | 5° 1 | 11° 4 | 17°50 | 15°32 | 1°R23 | 2°39 | 4°25 | 21° 6 | T 29 |
| W30 | 0 38 19 | 7♎50'51 | 15♑48 | 4♎18 | 10♍58 | 10♌ 4 | 23♎ 5 | 5♑ 3 | 11♐ 6 | 17♒49 | 15♐34 | 1♊23 | 2♊35 | 4♏31 | 21♐ 9 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n51 | 25s 2 | 1s49 | 4s46 | 2s 7 | 18n19 | 0s21 | 22n10 | 0n35 | 5s43 | 1n 6 | 22s15 | 0n59 | 21s49 | 0n 5 | 15s 8 | 0n 7 | 9s57 | 12n37 | 20n50 | 20n52 | 9s14 | 16s53 | 6n 5 |
| W 2 | 7 30 | 25 53 | 2 48 | 5 18 | 2 17 | 18 4 | 0 18 | 22 5 | 0 35 | 5 47 | 1 6 | 22 15 | 0 58 | 21 49 | 0 5 | 15 8 | 0 7 | 9 58 | 12 36 | 20 49 | 20 51 | 9 17 | 16 53 | 6 4 |
| T 3 | 7 8 | 25 22 | 3 40 | 5 48 | 2 28 | 17 49 | 0 15 | 21 59 | 0 36 | 5 52 | 1 5 | 22 16 | 0 58 | 21 49 | 0 5 | 15 8 | 0 7 | 9 58 | 12 36 | 20 49 | 20 50 | 9 20 | 16 54 | 6 4 |
| F 4 | 6 46 | 23 24 | 4 22 | 6 17 | 2 38 | 17 34 | 0 12 | 21 53 | 0 37 | 5 56 | 1 5 | 22 16 | 0 58 | 21 49 | 0 5 | 15 9 | 0 7 | 9 59 | 12 35 | 20 47 | 20 50 | 9 23 | 16 54 | 6 3 |
| S 5 | 6 24 | 19 59 | 4 50 | 6 44 | 2 48 | 17 18 | 0 8 | 21 47 | 0 38 | 6 1 | 1 5 | 22 16 | 0 58 | 21 49 | 0 5 | 15 9 | 0 7 | 9 59 | 12 35 | 20 46 | 20 49 | 9 26 | 16 55 | 6 3 |
| S 6 | 6 2 | 15 18 | 5 1 | 7 10 | 2 58 | 17 1 | 0 5 | 21 41 | 0 39 | 6 5 | 1 5 | 22 16 | 0 58 | 21 49 | 0 5 | 15 10 | 0 6 | 10 0 | 12 34 | 20 43 | 20 49 | 9 29 | 16 55 | 6 2 |
| M 7 | 5 40 | 9 38 | 4 53 | 7 35 | 3 7 | 16 44 | 0 2 | 21 35 | 0 40 | 6 10 | 1 5 | 22 16 | 0 58 | 21 49 | 0 5 | 15 10 | 0 6 | 10 1 | 12 34 | 20 41 | 20 48 | 9 32 | 16 56 | 6 2 |
| T 8 | 5 17 | 3 21 | 4 25 | 7 57 | 3 17 | 16 26 | 0n 1 | 21 28 | 0 40 | 6 14 | 1 5 | 22 16 | 0 57 | 21 50 | 0 5 | 15 11 | 0 6 | 10 1 | 12 33 | 20 39 | 20 47 | 9 35 | 16 56 | 6 1 |
| W 9 | 4 55 | 3n10 | 3 38 | 8 18 | 3 26 | 16 8 | 0 4 | 21 22 | 0 41 | 6 19 | 1 5 | 22 17 | 0 57 | 21 50 | 0 5 | 15 11 | 0 6 | 10 2 | 12 33 | 20 38 | 20 47 | 9 38 | 16 57 | 6 1 |
| T 10 | 4 32 | 9 29 | 2 37 | 8 36 | 3 35 | 15 50 | 0 7 | 21 15 | 0 42 | 6 23 | 1 5 | 22 17 | 0 57 | 21 50 | 0 5 | 15 12 | 0 6 | 10 2 | 12 32 | 20 37 | 20 46 | 9 41 | 16 58 | 6 1 |
| F 11 | 4 10 | 15 12 | 1 27 | 8 53 | 3 43 | 15 31 | 0 10 | 21 8 | 0 43 | 6 28 | 1 5 | 22 17 | 0 57 | 21 50 | 0 5 | 15 12 | 0 6 | 10 3 | 12 32 | 20 36 | 20 46 | 9 44 | 16 58 | 6 0 |
| S 12 | 3 47 | 19 58 | 0 12 | 9 7 | 3 51 | 15 12 | 0 13 | 21 1 | 0 44 | 6 32 | 1 5 | 22 17 | 0 57 | 21 50 | 0 5 | 15 12 | 0 6 | 10 3 | 12 31 | 20 36 | 20 45 | 9 47 | 16 59 | 6 0 |
| S 13 | 3 25 | 23 28 | 1n 2 | 9 18 | 3 58 | 14 52 | 0 16 | 20 54 | 0 45 | 6 37 | 1 5 | 22 17 | 0 57 | 21 50 | 0 5 | 15 13 | 0 6 | 10 4 | 12 31 | 20 36 | 20 44 | 9 50 | 16 59 | 5 59 |
| M14 | 3 2 | 25 29 | 2 11 | 9 27 | 4 4 | 14 32 | 0 19 | 20 47 | 0 45 | 6 42 | 1 4 | 22 17 | 0 56 | 21 51 | 0 5 | 15 13 | 0 6 | 10 4 | 12 30 | 20 36 | 20 44 | 9 53 | 17 0 | 5 59 |
| T 15 | 2 39 | 25 58 | 3 12 | 9 33 | 4 10 | 14 11 | 0 22 | 20 40 | 0 46 | 6 46 | 1 4 | 22 18 | 0 56 | 21 51 | 0 5 | 15 14 | 0 6 | 10 5 | 12 30 | 20 36 | 20 43 | 9 56 | 17 1 | 5 58 |
| W16 | 2 16 | 24 58 | 4 0 | 9 35 | 4 15 | 13 50 | 0 25 | 20 32 | 0 47 | 6 51 | 1 4 | 22 18 | 0 56 | 21 51 | 0 5 | 15 14 | 0 6 | 10 6 | 12 29 | 20 35 | 20 43 | 9 59 | 17 1 | 5 58 |
| T 17 | 1 53 | 22 38 | 4 36 | 9 35 | 4 18 | 13 29 | 0 28 | 20 25 | 0 48 | 6 56 | 1 4 | 22 18 | 0 56 | 21 51 | 0 5 | 15 14 | 0 6 | 10 6 | 12 29 | 20 34 | 20 42 | 10 2 | 17 2 | 5 57 |
| F 18 | 1 30 | 19 13 | 4 56 | 9 30 | 4 21 | 13 7 | 0 30 | 20 17 | 0 49 | 7 0 | 1 4 | 22 18 | 0 56 | 21 52 | 0 5 | 15 15 | 0 6 | 10 7 | 12 28 | 20 32 | 20 41 | 10 5 | 17 2 | 5 57 |
| S 19 | 1 7 | 14 59 | 5 3 | 9 23 | 4 22 | 12 45 | 0 33 | 20 9 | 0 50 | 7 5 | 1 4 | 22 18 | 0 56 | 21 52 | 0 5 | 15 15 | 0 6 | 10 7 | 12 28 | 20 30 | 20 41 | 10 8 | 17 3 | 5 57 |
| S 20 | 0 44 | 10 11 | 4 55 | 9 11 | 4 22 | 12 23 | 0 36 | 20 1 | 0 51 | 7 10 | 1 4 | 22 18 | 0 55 | 21 52 | 0 5 | 15 15 | 0 6 | 10 8 | 12 27 | 20 28 | 20 40 | 10 11 | 17 4 | 5 56 |
| M21 | 0 21 | 5 3 | 4 33 | 8 56 | 4 20 | 12 0 | 0 38 | 19 53 | 0 52 | 7 14 | 1 4 | 22 18 | 0 55 | 21 52 | 0 5 | 15 16 | 0 6 | 10 8 | 12 27 | 20 26 | 20 40 | 10 14 | 17 4 | 5 56 |
| T 22 | 0s 2 | 0s12 | 3 59 | 8 36 | 4 17 | 11 37 | 0 41 | 19 45 | 0 52 | 7 19 | 1 4 | 22 18 | 0 55 | 21 53 | 0 5 | 15 16 | 0 6 | 10 9 | 12 26 | 20 23 | 20 39 | 10 17 | 17 5 | 5 55 |
| W23 | 0 25 | 5 25 | 3 15 | 8 13 | 4 12 | 11 13 | 0 43 | 19 36 | 0 53 | 7 24 | 1 4 | 22 19 | 0 55 | 21 53 | 0 5 | 15 17 | 0 6 | 10 10 | 12 26 | 20 22 | 20 38 | 10 20 | 17 5 | 5 55 |
| T 24 | 0 48 | 10 24 | 2 23 | 7 47 | 4 5 | 10 49 | 0 46 | 19 28 | 0 54 | 7 28 | 1 4 | 22 19 | 0 55 | 21 53 | 0 5 | 15 17 | 0 6 | 10 10 | 12 25 | 20 20 | 20 38 | 10 23 | 17 6 | 5 54 |
| F 25 | 1 11 | 15 1 | 1 25 | 7 17 | 3 56 | 10 25 | 0 48 | 19 19 | 0 55 | 7 33 | 1 4 | 22 19 | 0 55 | 21 53 | 0 4 | 15 17 | 0 6 | 10 11 | 12 25 | 20 20 | 20 37 | 10 26 | 17 7 | 5 54 |
| S 26 | 1 34 | 19 3 | 0 22 | 6 44 | 3 45 | 10 1 | 0 51 | 19 11 | 0 56 | 7 38 | 1 4 | 22 19 | 0 54 | 21 54 | 0 4 | 15 18 | 0 6 | 10 11 | 12 24 | 20 19 | 20 37 | 10 29 | 17 7 | 5 54 |
| S 27 | 1 57 | 22 22 | 0s41 | 6 8 | 3 32 | 9 36 | 0 53 | 19 2 | 0 57 | 7 42 | 1 4 | 22 19 | 0 54 | 21 54 | 0 4 | 15 18 | 0 6 | 10 12 | 12 24 | 20 19 | 20 36 | 10 32 | 17 8 | 5 53 |
| M28 | 2 20 | 24 44 | 1 44 | 5 30 | 3 18 | 9 11 | 0 55 | 18 53 | 0 58 | 7 47 | 1 4 | 22 19 | 0 54 | 21 54 | 0 4 | 15 18 | 0 6 | 10 12 | 12 23 | 20 20 | 20 35 | 10 34 | 17 9 | 5 53 |
| T 29 | 2 43 | 25 59 | 2 43 | 4 52 | 3 2 | 8 46 | 0 57 | 18 44 | 0 59 | 7 52 | 1 4 | 22 19 | 0 54 | 21 55 | 0 4 | 15 18 | 0 6 | 10 13 | 12 23 | 20 20 | 20 35 | 10 37 | 17 9 | 5 52 |
| W30 | 3s 6 | 25s57 | 3s36 | 4s13 | 2s44 | 8n20 | 1n 0 | 18n35 | 0n59 | 7s57 | 1n 3 | 22s19 | 0n54 | 21s55 | 0n 4 | 15s19 | 0n 6 | 10s14 | 12n23 | 20n20 | 20n34 | 10s40 | 17s10 | 5n52 |

Julian Day Number = 2813013.5, Delta T = 53m45s
Ecliptic obliquity = 23°18'44, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°35'39, Lahiri = 37°42'40


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# ASTRODIENST EPHEMERIS for the year 2989
# geocentric

## OCTOBER 2989 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 42 15 | 8♎49'19 | 28♉45 | 3°R23 | 12♍11 | 10♌41 | 23♎18 | 5♉ 6 | 11♐ 8 | 17°R48 | 15♐35 | 1°R21 | 2♊32 | 4♏38 | 21♐13 | T 1 |
| F 2 | 0 46 12 | 9°47'47 | 12♒10 | 2♎33 | 13°24 | 11°18 | 23°30 | 5° 8 | 11°10 | 17♒47 | 15°36 | 1♊17 | 2°29 | 4°45 | 21°17 | F 2 |
| S 3 | 0 50 8 | 10°46'17 | 26° 4 | 1°50 | 14°38 | 11°55 | 23°43 | 5°10 | 11°12 | 17°47 | 15°37 | 1°11 | 2°26 | 4°51 | 21°21 | S 3 |
| S 4 | 0 54 5 | 11°44'49 | 10♓26 | 1°14 | 15°51 | 12°32 | 23°56 | 5°13 | 11°15 | 17°46 | 15°39 | 1° 4 | 2°23 | 4°58 | 21°25 | S 4 |
| M 5 | 0 58 1 | 12°43'22 | 25°13 | 0°46 | 17° 4 | 13° 8 | 24° 9 | 5°15 | 11°17 | 17°45 | 15°40 | 0°56 | 2°19 | 5° 5 | 21°29 | M 5 |
| T 6 | 1 1 58 | 13°41'57 | 10♈16 | 0°27 | 18°18 | 13°45 | 24°22 | 5°18 | 11°19 | 17°44 | 15°41 | 0°49 | 2°16 | 5°11 | 21°33 | T 6 |
| W 7 | 1 5 54 | 14°40'34 | 25°28 | 0°D18 | 19°31 | 14°21 | 24°34 | 5°21 | 11°22 | 17°44 | 15°43 | 0°44 | 2°13 | 5°18 | 21°37 | W 7 |
| T 8 | 1 9 51 | 15°39'13 | 10♉37 | 0°19 | 20°45 | 14°57 | 24°47 | 5°24 | 11°24 | 17°43 | 15°44 | 0°40 | 2°10 | 5°25 | 21°42 | T 8 |
| F 9 | 1 13 48 | 16°37'54 | 25°34 | 0°29 | 21°58 | 15°34 | 25° 0 | 5°27 | 11°27 | 17°42 | 15°45 | 0°D38 | 2° 7 | 5°31 | 21°46 | F 9 |
| S 10 | 1 17 44 | 17°36'38 | 10♊12 | 0°50 | 23°12 | 16°10 | 25°13 | 5°30 | 11°29 | 17°42 | 15°47 | 0°39 | 2° 4 | 5°38 | 21°50 | S 10 |
| S 11 | 1 21 41 | 18°35'23 | 24°28 | 1°20 | 24°26 | 16°46 | 25°26 | 5°33 | 11°32 | 17°41 | 15°48 | 0°40 | 2° 0 | 5°45 | 21°55 | S 11 |
| M12 | 1 25 37 | 19°34'11 | 8♋20 | 1°59 | 25°39 | 17°22 | 25°39 | 5°36 | 11°35 | 17°40 | 15°50 | 0°41 | 1°57 | 5°51 | 22° 0 | M12 |
| T 13 | 1 29 34 | 20°33'01 | 21°48 | 2°47 | 26°53 | 17°57 | 25°52 | 5°39 | 11°37 | 17°40 | 15°51 | 0°R42 | 1°54 | 5°58 | 22° 4 | T 13 |
| W14 | 1 33 30 | 21°31'53 | 4♌55 | 3°43 | 28° 7 | 18°33 | 26° 5 | 5°43 | 11°40 | 17°39 | 15°53 | 0°41 | 1°51 | 6° 5 | 22° 9 | W14 |
| T 15 | 1 37 27 | 22°30'47 | 17°43 | 4°46 | 29°21 | 19° 9 | 26°18 | 5°46 | 11°43 | 17°39 | 15°54 | 0°38 | 1°48 | 6°11 | 22°14 | T 15 |
| F 16 | 1 41 23 | 23°29'44 | 0♍16 | 5°56 | 0♎35 | 19°44 | 26°31 | 5°50 | 11°45 | 17°39 | 15°56 | 0°34 | 1°44 | 6°18 | 22°19 | F 16 |
| S 17 | 1 45 20 | 24°28'42 | 12°36 | 7°11 | 1°49 | 20°20 | 26°43 | 5°53 | 11°48 | 17°38 | 15°58 | 0°28 | 1°41 | 6°25 | 22°24 | S 17 |
| S 18 | 1 49 17 | 25°27'43 | 24°45 | 8°32 | 3° 3 | 20°55 | 26°56 | 5°57 | 11°51 | 17°38 | 15°59 | 0°22 | 1°38 | 6°31 | 22°29 | S 18 |
| M19 | 1 53 13 | 26°26'46 | 6♎46 | 9°58 | 4°17 | 21°30 | 27° 9 | 6° 1 | 11°54 | 17°37 | 16° 1 | 0°15 | 1°35 | 6°38 | 22°34 | M19 |
| T 20 | 1 57 10 | 27°25'51 | 18°41 | 11°28 | 5°31 | 22° 5 | 27°22 | 6° 5 | 11°57 | 17°37 | 16° 3 | 0°10 | 1°32 | 6°44 | 22°39 | T 20 |
| W21 | 2 1 6 | 28°24'58 | 0♏32 | 13° 1 | 6°45 | 22°40 | 27°35 | 6° 9 | 12° 0 | 17°37 | 16° 4 | 0° 5 | 1°29 | 6°51 | 22°44 | W21 |
| T 22 | 2 5 3 | 29°24'07 | 12°19 | 14°36 | 7°59 | 23°15 | 27°48 | 6°13 | 12° 3 | 17°37 | 16° 6 | 0° 2 | 1°25 | 6°58 | 22°49 | T 22 |
| F 23 | 2 8 59 | 0♏23'18 | 24° 7 | 16°14 | 9°13 | 23°49 | 28° 1 | 6°17 | 12° 6 | 17°36 | 16° 8 | 0° 1 | 1°22 | 7° 4 | 22°55 | F 23 |
| S 24 | 2 12 56 | 1°22'30 | 5♐56 | 17°54 | 10°28 | 24°24 | 28°14 | 6°21 | 12° 9 | 17°36 | 16°10 | 0°D 1 | 1°19 | 7°11 | 23° 0 | S 24 |
| S 25 | 2 16 52 | 2°21'45 | 17°50 | 19°35 | 11°42 | 24°58 | 28°27 | 6°25 | 12°12 | 17°36 | 16°12 | 0° 2 | 1°16 | 7°18 | 23° 6 | S 25 |
| M26 | 2 20 49 | 3°21'02 | 29°53 | 21°18 | 12°56 | 25°32 | 28°40 | 6°30 | 12°15 | 17°36 | 16°14 | 0° 3 | 1°13 | 7°24 | 23°11 | M26 |
| T 27 | 2 24 46 | 4°20'20 | 12♑ 8 | 23° 1 | 14°11 | 26° 7 | 28°53 | 6°34 | 12°18 | 17°36 | 16°15 | 0° 5 | 1°10 | 7°31 | 23°17 | T 27 |
| W28 | 2 28 42 | 5°19'40 | 24°40 | 24°44 | 15°25 | 26°41 | 29° 6 | 6°39 | 12°21 | 17°36 | 16°17 | 0° 6 | 1° 6 | 7°38 | 23°22 | W28 |
| T 29 | 2 32 39 | 6°19'02 | 7♒33 | 26°28 | 16°40 | 27°14 | 29°19 | 6°43 | 12°24 | 17°D36 | 16°19 | 0°R 7 | 1° 3 | 7°44 | 23°28 | T 29 |
| F 30 | 2 36 35 | 7°18'25 | 20°51 | 28°12 | 17°54 | 27°48 | 29°32 | 6°48 | 12°27 | 17°36 | 16°21 | 0° 6 | 1° 0 | 7°51 | 23°34 | F 30 |
| S 31 | 2 40 32 | 8♏17'50 | 4♓35 | 29♎56 | 19♎ 9 | 28♌22 | 29♎45 | 6♉52 | 12♐31 | 17♒36 | 16♐23 | 0♊ 4 | 0♊57 | 7♏58 | 23♐40 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 3s29 | 24s32 | 4s20 | 3s34 | 2s26 | 7n54 | 1n 2 | 18n26 | 1n 0 | 8s 1 | 1n 3 | 22s19 | 0n54 | 21s55 | 0n 4 | 15s19 | 0n 6 | 10s14 | 12n22 | 20n19 | 20n33 | 10s43 | 17s11 | 5n52 |
| F 2 | 3 52 | 21 43 | 4 51 | 2 57 | 2 6 | 7 28 | 1 4 | 18 17 | 1 1 | 8 6 | 1 3 | 22 19 | 0 53 | 21 55 | 0 4 | 15 19 | 0 6 | 10 15 | 12 22 | 20 18 | 20 33 | 10 46 | 17 11 | 5 51 |
| S 3 | 4 14 | 17 34 | 5 6 | 2 21 | 1 46 | 7 2 | 1 6 | 18 7 | 1 2 | 8 11 | 1 3 | 22 19 | 0 53 | 21 56 | 0 4 | 15 20 | 0 6 | 10 15 | 12 21 | 20 17 | 20 32 | 10 49 | 17 12 | 5 51 |
| S 4 | 4 37 | 12 18 | 5 4 | 1 48 | 1 26 | 6 35 | 1 7 | 17 58 | 1 3 | 8 15 | 1 3 | 22 20 | 0 53 | 21 56 | 0 4 | 15 20 | 0 6 | 10 16 | 12 21 | 20 16 | 20 32 | 10 52 | 17 12 | 5 50 |
| M 5 | 5 0 | 6 11 | 4 41 | 1 19 | 1 6 | 6 9 | 1 9 | 17 48 | 1 4 | 8 20 | 1 3 | 22 20 | 0 53 | 21 56 | 0 4 | 15 20 | 0 6 | 10 16 | 12 20 | 20 14 | 20 31 | 10 55 | 17 13 | 5 50 |
| T 6 | 5 23 | 0n23 | 3 58 | 0 53 | 0 46 | 5 42 | 1 11 | 17 39 | 1 5 | 8 25 | 1 3 | 22 20 | 0 53 | 21 57 | 0 4 | 15 20 | 0 6 | 10 17 | 12 20 | 20 13 | 20 30 | 10 58 | 17 14 | 5 50 |
| W 7 | 5 45 | 7 1 | 2 59 | 0 32 | 0 27 | 5 15 | 1 13 | 17 29 | 1 6 | 8 29 | 1 3 | 22 20 | 0 53 | 21 57 | 0 4 | 15 21 | 0 6 | 10 18 | 12 19 | 20 12 | 20 30 | 11 1 | 17 14 | 5 49 |
| T 8 | 6 8 | 13 15 | 1 46 | 0 16 | 0 9 | 4 47 | 1 14 | 17 19 | 1 7 | 8 34 | 1 3 | 22 20 | 0 53 | 21 57 | 0 4 | 15 21 | 0 6 | 10 18 | 12 19 | 20 11 | 20 29 | 11 4 | 17 15 | 5 49 |
| F 9 | 6 30 | 18 36 | 0 28 | 0 4 | 0n 8 | 4 20 | 1 16 | 17 10 | 1 8 | 8 39 | 1 3 | 22 20 | 0 52 | 21 58 | 0 4 | 15 21 | 0 6 | 10 19 | 12 19 | 20 11 | 20 28 | 11 7 | 17 16 | 5 49 |
| S 10 | 6 53 | 22 43 | 0n52 | 0n 3 | 0 24 | 3 52 | 1 17 | 17 0 | 1 8 | 8 44 | 1 3 | 22 20 | 0 52 | 21 58 | 0 4 | 15 21 | 0 6 | 10 19 | 12 18 | 20 11 | 20 28 | 11 10 | 17 16 | 5 48 |
| S 11 | 7 15 | 25 17 | 2 6 | 0 4 | 0 39 | 3 25 | 1 19 | 16 50 | 1 9 | 8 48 | 1 3 | 22 20 | 0 52 | 21 59 | 0 4 | 15 21 | 0 6 | 10 20 | 12 18 | 20 11 | 20 27 | 11 13 | 17 17 | 5 48 |
| M12 | 7 37 | 26 13 | 3 10 | 0 1 | 0 53 | 2 57 | 1 20 | 16 40 | 1 10 | 8 53 | 1 3 | 22 20 | 0 52 | 21 59 | 0 4 | 15 22 | 0 6 | 10 20 | 12 17 | 20 11 | 20 27 | 11 16 | 17 17 | 5 48 |
| T 13 | 7 59 | 25 33 | 4 2 | 0s 6 | 1 5 | 2 29 | 1 22 | 16 30 | 1 11 | 8 58 | 1 3 | 22 20 | 0 52 | 21 59 | 0 4 | 15 22 | 0 6 | 10 21 | 12 17 | 20 11 | 20 26 | 11 19 | 17 18 | 5 47 |
| W14 | 8 21 | 23 28 | 4 40 | 0 18 | 1 16 | 2 1 | 1 23 | 16 20 | 1 12 | 9 2 | 1 3 | 22 20 | 0 52 | 22 0 | 0 4 | 15 22 | 0 6 | 10 21 | 12 16 | 20 11 | 20 25 | 11 21 | 17 19 | 5 47 |
| T 15 | 8 43 | 20 15 | 5 3 | 0 34 | 1 25 | 1 33 | 1 24 | 16 10 | 1 13 | 9 7 | 1 3 | 22 20 | 0 51 | 22 0 | 0 4 | 15 22 | 0 6 | 10 22 | 12 16 | 20 11 | 20 25 | 11 24 | 17 19 | 5 46 |
| F 16 | 9 5 | 16 10 | 5 11 | 0 55 | 1 34 | 1 4 | 1 25 | 15 59 | 1 14 | 9 12 | 1 3 | 22 20 | 0 51 | 22 0 | 0 4 | 15 22 | 0 6 | 10 23 | 12 16 | 20 10 | 20 24 | 11 27 | 17 20 | 5 46 |
| S 17 | 9 26 | 11 29 | 5 4 | 1 18 | 1 40 | 0 36 | 1 26 | 15 49 | 1 15 | 9 16 | 1 3 | 22 20 | 0 51 | 22 1 | 0 4 | 15 22 | 0 6 | 10 23 | 12 15 | 20 8 | 20 23 | 11 30 | 17 20 | 5 46 |
| S 18 | 9 48 | 6 25 | 4 43 | 1 45 | 1 46 | 0 8 | 1 27 | 15 39 | 1 16 | 9 21 | 1 3 | 22 20 | 0 51 | 22 1 | 0 4 | 15 22 | 0 6 | 10 24 | 12 15 | 20 7 | 20 23 | 11 33 | 17 21 | 5 46 |
| M19 | 10 9 | 1 10 | 4 11 | 2 14 | 1 50 | 0s21 | 1 28 | 15 29 | 1 17 | 9 26 | 1 3 | 22 20 | 0 51 | 22 2 | 0 4 | 15 23 | 0 6 | 10 24 | 12 14 | 20 6 | 20 22 | 11 36 | 17 22 | 5 45 |
| T 20 | 10 30 | 4s 5 | 3 27 | 2 46 | 1 53 | 0 49 | 1 29 | 15 18 | 1 18 | 9 30 | 1 3 | 22 20 | 0 51 | 22 2 | 0 4 | 15 23 | 0 6 | 10 25 | 12 14 | 20 5 | 20 21 | 11 39 | 17 22 | 5 45 |
| W21 | 10 51 | 9 11 | 2 34 | 3 20 | 1 56 | 1 18 | 1 29 | 15 8 | 1 19 | 9 35 | 1 3 | 22 20 | 0 51 | 22 2 | 0 4 | 15 23 | 0 6 | 10 25 | 12 14 | 20 4 | 20 21 | 11 42 | 17 23 | 5 45 |
| T 22 | 11 12 | 13 56 | 1 35 | 3 56 | 1 57 | 1 46 | 1 30 | 14 57 | 1 20 | 9 39 | 1 3 | 22 20 | 0 50 | 22 3 | 0 4 | 15 23 | 0 6 | 10 26 | 12 13 | 20 3 | 20 20 | 11 45 | 17 23 | 5 44 |
| F 23 | 11 33 | 18 11 | 0 32 | 4 33 | 1 57 | 2 15 | 1 31 | 14 47 | 1 21 | 9 44 | 1 3 | 22 20 | 0 50 | 22 3 | 0 4 | 15 23 | 0 6 | 10 26 | 12 13 | 20 3 | 20 20 | 11 48 | 17 24 | 5 44 |
| S 24 | 11 53 | 21 43 | 0s33 | 5 11 | 1 57 | 2 43 | 1 31 | 14 36 | 1 22 | 9 49 | 1 3 | 22 20 | 0 50 | 22 4 | 0 4 | 15 23 | 0 6 | 10 27 | 12 13 | 20 3 | 20 19 | 11 51 | 17 24 | 5 44 |
| S 25 | 12 14 | 24 22 | 1 37 | 5 51 | 1 55 | 3 12 | 1 32 | 14 26 | 1 23 | 9 53 | 1 3 | 22 20 | 0 50 | 22 4 | 0 4 | 15 23 | 0 6 | 10 27 | 12 12 | 20 3 | 20 18 | 11 54 | 17 25 | 5 43 |
| M26 | 12 34 | 25 56 | 2 37 | 6 31 | 1 53 | 3 40 | 1 32 | 14 15 | 1 24 | 9 58 | 1 3 | 22 19 | 0 50 | 22 4 | 0 4 | 15 23 | 0 6 | 10 28 | 12 12 | 20 3 | 20 18 | 11 56 | 17 26 | 5 43 |
| T 27 | 12 54 | 26 16 | 3 32 | 7 11 | 1 51 | 4 9 | 1 32 | 14 4 | 1 25 | 10 2 | 1 3 | 22 19 | 0 50 | 22 5 | 0 4 | 15 23 | 0 6 | 10 28 | 12 11 | 20 4 | 20 17 | 11 59 | 17 26 | 5 43 |
| W28 | 13 14 | 25 18 | 4 17 | 7 52 | 1 47 | 4 37 | 1 32 | 13 54 | 1 26 | 10 7 | 1 3 | 22 19 | 0 50 | 22 5 | 0 4 | 15 23 | 0 6 | 10 29 | 12 11 | 20 4 | 20 16 | 12 2 | 17 27 | 5 43 |
| T 29 | 13 33 | 22 59 | 4 51 | 8 33 | 1 44 | 5 5 | 1 33 | 13 43 | 1 27 | 10 11 | 1 3 | 22 19 | 0 49 | 22 6 | 0 4 | 15 23 | 0 6 | 10 30 | 12 11 | 20 4 | 20 16 | 12 5 | 17 27 | 5 42 |
| F 30 | 13 53 | 19 23 | 5 11 | 9 14 | 1 39 | 5 33 | 1 33 | 13 33 | 1 28 | 10 16 | 1 3 | 22 19 | 0 49 | 22 6 | 0 4 | 15 23 | 0 6 | 10 30 | 12 10 | 20 4 | 20 15 | 12 8 | 17 28 | 5 42 |
| S 31 | 14s12 | 14s39 | 5s14 | 9s55 | 1n35 | 6s 2 | 1n33 | 13n22 | 1n29 | 10s20 | 1n 3 | 22s19 | 0n49 | 22s 7 | 0n 4 | 15s23 | 0n 6 | 10s31 | 12n10 | 20n 3 | 20n14 | 12s11 | 17s28 | 5n42 |

Julian Day Number = 2813043.5, Delta T = 53m46s
Ecliptic obliquity = 23°18'45, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°35'44, Lahiri = 37°42'44


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# ASTRODIENST EPHEMERIS for the year 2989
# geocentric

## NOVEMBER 2989 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 44 28 | 9♏17'17 | 18♓47 | 1♏40 | 20♎23 | 28♌55 | 29♎58 | 6♑57 | 12♐34 | 17♒36 | 16♐25 | 0°R 2 | 0♊54 | 8♏ 4 | 23♐46 | S 1 |
| M 2 | 2 48 25 | 10°16'45 | 3♈25 | 3°24 | 21°38 | 29°29 | 0♏10 | 7° 2 | 12°37 | 17°36 | 16°27 | 29♉59 | 0°50 | 8°11 | 23°51 | M 2 |
| T 3 | 2 52 21 | 11°16'15 | 18°24 | 5° 7 | 22°52 | 0♍ 2 | 0°23 | 7° 7 | 12°40 | 17°36 | 16°29 | 29°57 | 0°47 | 8°18 | 23°57 | T 3 |
| W 4 | 2 56 18 | 12°15'47 | 3♉35 | 6°50 | 24° 7 | 0°35 | 0°36 | 7°12 | 12°44 | 17°36 | 16°31 | 29°55 | 0°44 | 8°24 | 24° 3 | W 4 |
| T 5 | 3 0 14 | 13°15'21 | 18°50 | 8°33 | 25°22 | 1° 8 | 0°49 | 7°17 | 12°47 | 17°37 | 16°33 | 29°54 | 0°41 | 8°31 | 24° 9 | T 5 |
| F 6 | 3 4 11 | 14°14'57 | 3♊58 | 10°15 | 26°36 | 1°41 | 1° 2 | 7°22 | 12°50 | 17°37 | 16°35 | 29°D54 | 0°38 | 8°38 | 24°16 | F 6 |
| S 7 | 3 8 8 | 15°14'36 | 18°51 | 11°57 | 27°51 | 2°13 | 1°15 | 7°27 | 12°54 | 17°37 | 16°37 | 29°54 | 0°35 | 8°44 | 24°22 | S 7 |
| S 8 | 3 12 4 | 16°14'16 | 3♋21 | 13°38 | 29° 6 | 2°46 | 1°27 | 7°33 | 12°57 | 17°37 | 16°39 | 29°55 | 0°31 | 8°51 | 24°28 | S 8 |
| M 9 | 3 16 1 | 17°13'58 | 17°26 | 15°18 | 0♏20 | 3°18 | 1°40 | 7°38 | 13° 1 | 17°38 | 16°42 | 29°56 | 0°28 | 8°58 | 24°34 | M 9 |
| T 10 | 3 19 57 | 18°13'43 | 1♌ 3 | 16°58 | 1°35 | 3°50 | 1°53 | 7°43 | 13° 4 | 17°38 | 16°44 | 29°57 | 0°25 | 9° 4 | 24°40 | T 10 |
| W11 | 3 23 54 | 19°13'30 | 14°15 | 18°38 | 2°50 | 4°22 | 2° 6 | 7°49 | 13° 8 | 17°39 | 16°46 | 29°R58 | 0°22 | 9°11 | 24°47 | W11 |
| T 12 | 3 27 50 | 20°13'19 | 27° 3 | 20°17 | 4° 5 | 4°54 | 2°18 | 7°54 | 13°11 | 17°39 | 16°48 | 29°58 | 0°19 | 9°18 | 24°53 | T 12 |
| F 13 | 3 31 47 | 21°13'10 | 9♍33 | 21°55 | 5°20 | 5°26 | 2°31 | 8° 0 | 13°15 | 17°40 | 16°50 | 29°57 | 0°16 | 9°24 | 25° 0 | F 13 |
| S 14 | 3 35 44 | 22°13'03 | 21°46 | 23°33 | 6°35 | 5°57 | 2°43 | 8° 5 | 13°18 | 17°40 | 16°52 | 29°56 | 0°12 | 9°31 | 25° 6 | S 14 |
| S 15 | 3 39 40 | 23°12'58 | 3♎48 | 25°11 | 7°50 | 6°28 | 2°56 | 8°11 | 13°22 | 17°41 | 16°55 | 29°55 | 0° 9 | 9°38 | 25°13 | S 15 |
| M16 | 3 43 37 | 24°12'55 | 15°42 | 26°48 | 9° 5 | 7° 0 | 3° 9 | 8°17 | 13°25 | 17°41 | 16°57 | 29°54 | 0° 6 | 9°44 | 25°19 | M16 |
| T 17 | 3 47 33 | 25°12'55 | 27°32 | 28°24 | 10°20 | 7°31 | 3°21 | 8°22 | 13°29 | 17°42 | 16°59 | 29°54 | 0° 3 | 9°51 | 25°26 | T 17 |
| W18 | 3 51 30 | 26°12'56 | 9♏19 | 0♐ 1 | 11°35 | 8° 1 | 3°34 | 8°28 | 13°32 | 17°42 | 17° 1 | 29°53 | 29♉59 | 9°58 | 25°32 | W18 |
| T 19 | 3 55 26 | 27°12'59 | 21° 8 | 1°36 | 12°50 | 8°32 | 3°46 | 8°34 | 13°36 | 17°43 | 17° 3 | 29°53 | 29°56 | 10° 4 | 25°39 | T 19 |
| F 20 | 3 59 23 | 28°13'04 | 2♐59 | 3°11 | 14° 5 | 9° 2 | 3°58 | 8°40 | 13°40 | 17°44 | 17° 6 | 29°D53 | 29°53 | 10°11 | 25°46 | F 20 |
| S 21 | 4 3 19 | 29°13'11 | 14°56 | 4°46 | 15°20 | 9°33 | 4°11 | 8°46 | 13°43 | 17°45 | 17° 8 | 29°53 | 29°50 | 10°17 | 25°52 | S 21 |
| S 22 | 4 7 16 | 0♐13'20 | 26°59 | 6°21 | 16°35 | 10° 3 | 4°23 | 8°52 | 13°47 | 17°45 | 17°10 | 29°R53 | 29°47 | 10°24 | 25°59 | S 22 |
| M23 | 4 11 13 | 1°13'30 | 9♑12 | 7°55 | 17°50 | 10°33 | 4°35 | 8°58 | 13°51 | 17°46 | 17°13 | 29°53 | 29°44 | 10°31 | 26° 6 | M23 |
| T 24 | 4 15 9 | 2°13'42 | 21°36 | 9°29 | 19° 5 | 11° 2 | 4°48 | 9° 4 | 13°54 | 17°47 | 17°15 | 29°53 | 29°41 | 10°37 | 26°13 | T 24 |
| W25 | 4 19 6 | 3°13'55 | 4♒14 | 11° 2 | 20°20 | 11°32 | 5° 0 | 9°11 | 13°58 | 17°48 | 17°17 | 29°52 | 29°37 | 10°44 | 26°19 | W25 |
| T 26 | 4 23 2 | 4°14'10 | 17° 9 | 12°35 | 21°36 | 12° 1 | 5°12 | 9°17 | 14° 2 | 17°49 | 17°19 | 29°52 | 29°34 | 10°51 | 26°26 | T 26 |
| F 27 | 4 26 59 | 5°14'26 | 0♓23 | 14° 8 | 22°51 | 12°30 | 5°24 | 9°23 | 14° 5 | 17°50 | 17°22 | 29°D52 | 29°31 | 10°57 | 26°33 | F 27 |
| S 28 | 4 30 55 | 6°14'44 | 13°59 | 15°40 | 24° 6 | 12°59 | 5°36 | 9°29 | 14° 9 | 17°51 | 17°24 | 29°52 | 29°28 | 11° 4 | 26°40 | S 28 |
| S 29 | 4 34 52 | 7°15'02 | 27°56 | 17°12 | 25°21 | 13°27 | 5°48 | 9°36 | 14°13 | 17°52 | 17°26 | 29°52 | 29°25 | 11°11 | 26°47 | S 29 |
| M30 | 4 38 48 | 8♐15'22 | 12♈16 | 18♐44 | 26♏36 | 13♍56 | 6♏ 0 | 9♑42 | 14♐16 | 17♒53 | 17♐29 | 29♉53 | 29♉22 | 11♏17 | 26♐54 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s31 | 9s 0 | 4s59 | 10s35 | 1n30 | 6s30 | 1n33 | 13n11 | 1n30 | 10s25 | 1n 3 | 22s19 | 0n49 | 22s 7 | 0n 4 | 15s23 | 0n 6 | 10s31 | 12n10 | 20n 3 | 20n14 | 12s14 | 17s29 | 5n42 |
| M 2 | 14 49 | 2 41 | 4 24 | 11 15 | 1 25 | 6 57 | 1 32 | 13 1 | 1 31 | 10 29 | 1 3 | 22 19 | 0 49 | 22 7 | 0 4 | 15 23 | 0 6 | 10 32 | 12 10 | 20 2 | 20 13 | 12 17 | 17 29 | 5 41 |
| T 3 | 15 8 | 3n56 | 3 30 | 11 55 | 1 19 | 7 25 | 1 32 | 12 50 | 1 32 | 10 34 | 1 3 | 22 19 | 0 49 | 22 8 | 0 4 | 15 23 | 0 6 | 10 32 | 12 9 | 20 2 | 20 12 | 12 20 | 17 30 | 5 41 |
| W 4 | 15 26 | 10 26 | 2 20 | 12 34 | 1 13 | 7 53 | 1 32 | 12 39 | 1 33 | 10 38 | 1 3 | 22 19 | 0 49 | 22 8 | 0 4 | 15 23 | 0 6 | 10 33 | 12 9 | 20 1 | 20 12 | 12 22 | 17 30 | 5 41 |
| T 5 | 15 44 | 16 21 | 1 1 | 13 13 | 1 7 | 8 20 | 1 32 | 12 28 | 1 34 | 10 43 | 1 3 | 22 18 | 0 49 | 22 9 | 0 4 | 15 23 | 0 6 | 10 33 | 12 9 | 20 1 | 20 11 | 12 25 | 17 31 | 5 41 |
| F 6 | 16 2 | 21 12 | 0n23 | 13 51 | 1 1 | 8 47 | 1 31 | 12 18 | 1 35 | 10 47 | 1 3 | 22 18 | 0 48 | 22 9 | 0 4 | 15 23 | 0 6 | 10 33 | 12 8 | 20 1 | 20 10 | 12 28 | 17 31 | 5 41 |
| S 7 | 16 19 | 24 34 | 1 43 | 14 28 | 0 55 | 9 14 | 1 31 | 12 7 | 1 36 | 10 51 | 1 3 | 22 18 | 0 48 | 22 10 | 0 4 | 15 23 | 0 6 | 10 34 | 12 8 | 20 1 | 20 10 | 12 31 | 17 31 | 5 40 |
| S 8 | 16 36 | 26 11 | 2 55 | 15 5 | 0 48 | 9 41 | 1 30 | 11 56 | 1 37 | 10 56 | 1 3 | 22 18 | 0 48 | 22 10 | 0 4 | 15 23 | 0 6 | 10 34 | 12 8 | 20 2 | 20 9 | 12 34 | 17 32 | 5 40 |
| M 9 | 16 53 | 26 3 | 3 54 | 15 40 | 0 42 | 10 8 | 1 30 | 11 46 | 1 38 | 11 0 | 1 3 | 22 18 | 0 48 | 22 10 | 0 4 | 15 23 | 0 6 | 10 35 | 12 7 | 20 2 | 20 8 | 12 37 | 17 32 | 5 40 |
| T 10 | 17 10 | 24 20 | 4 38 | 16 15 | 0 35 | 10 34 | 1 29 | 11 35 | 1 39 | 11 4 | 1 3 | 22 18 | 0 48 | 22 11 | 0 4 | 15 23 | 0 6 | 10 35 | 12 7 | 20 2 | 20 8 | 12 40 | 17 33 | 5 40 |
| W11 | 17 26 | 21 20 | 5 6 | 16 49 | 0 28 | 11 1 | 1 28 | 11 24 | 1 40 | 11 9 | 1 3 | 22 17 | 0 48 | 22 11 | 0 4 | 15 22 | 0 6 | 10 36 | 12 7 | 20 2 | 20 7 | 12 43 | 17 33 | 5 40 |
| T 12 | 17 42 | 17 23 | 5 17 | 17 22 | 0 22 | 11 26 | 1 27 | 11 14 | 1 41 | 11 13 | 1 3 | 22 17 | 0 48 | 22 12 | 0 4 | 15 22 | 0 6 | 10 36 | 12 7 | 20 2 | 20 6 | 12 46 | 17 34 | 5 40 |
| F 13 | 17 58 | 12 47 | 5 13 | 17 55 | 0 15 | 11 52 | 1 26 | 11 3 | 1 42 | 11 17 | 1 3 | 22 17 | 0 47 | 22 12 | 0 4 | 15 22 | 0 6 | 10 37 | 12 6 | 20 2 | 20 6 | 12 48 | 17 34 | 5 39 |
| S 14 | 18 14 | 7 46 | 4 55 | 18 26 | 0 8 | 12 18 | 1 26 | 10 53 | 1 43 | 11 22 | 1 3 | 22 17 | 0 47 | 22 13 | 0 4 | 15 22 | 0 6 | 10 37 | 12 6 | 20 2 | 20 5 | 12 51 | 17 34 | 5 39 |
| S 15 | 18 29 | 2 32 | 4 24 | 18 56 | 0 1 | 12 43 | 1 25 | 10 42 | 1 44 | 11 26 | 1 3 | 22 17 | 0 47 | 22 13 | 0 4 | 15 22 | 0 6 | 10 38 | 12 6 | 20 2 | 20 5 | 12 54 | 17 35 | 5 39 |
| M16 | 18 44 | 2s44 | 3 42 | 19 26 | 0s 6 | 13 8 | 1 24 | 10 32 | 1 45 | 11 30 | 1 3 | 22 16 | 0 47 | 22 14 | 0 4 | 15 22 | 0 6 | 10 38 | 12 6 | 20 1 | 20 4 | 12 57 | 17 35 | 5 39 |
| T 17 | 18 58 | 7 53 | 2 50 | 19 54 | 0 12 | 13 32 | 1 22 | 10 21 | 1 46 | 11 34 | 1 4 | 22 16 | 0 47 | 22 14 | 0 4 | 15 22 | 0 6 | 10 38 | 12 5 | 20 1 | 20 3 | 13 0 | 17 35 | 5 39 |
| W18 | 19 12 | 12 45 | 1 52 | 20 21 | 0 19 | 13 56 | 1 21 | 10 11 | 1 47 | 11 38 | 1 4 | 22 16 | 0 47 | 22 14 | 0 4 | 15 21 | 0 6 | 10 39 | 12 5 | 20 1 | 20 2 | 13 3 | 17 36 | 5 39 |
| T 19 | 19 26 | 17 10 | 0 48 | 20 48 | 0 26 | 14 20 | 1 20 | 10 0 | 1 49 | 11 42 | 1 4 | 22 16 | 0 47 | 22 15 | 0 4 | 15 21 | 0 5 | 10 39 | 12 5 | 20 1 | 20 2 | 13 6 | 17 36 | 5 39 |
| F 20 | 19 39 | 20 56 | 0s17 | 21 13 | 0 32 | 14 44 | 1 19 | 9 50 | 1 50 | 11 47 | 1 4 | 22 15 | 0 47 | 22 15 | 0 4 | 15 21 | 0 5 | 10 40 | 12 5 | 20 1 | 20 1 | 13 8 | 17 36 | 5 38 |
| S 21 | 19 53 | 23 50 | 1 23 | 21 37 | 0 39 | 15 7 | 1 17 | 9 40 | 1 51 | 11 51 | 1 4 | 22 15 | 0 47 | 22 16 | 0 4 | 15 21 | 0 5 | 10 40 | 12 5 | 20 1 | 20 0 | 13 11 | 17 37 | 5 38 |
| S 22 | 20 5 | 25 42 | 2 25 | 22 0 | 0 45 | 15 30 | 1 16 | 9 29 | 1 52 | 11 55 | 1 4 | 22 15 | 0 46 | 22 16 | 0 4 | 15 21 | 0 5 | 10 40 | 12 4 | 20 1 | 20 0 | 13 14 | 17 37 | 5 38 |
| M23 | 20 18 | 26 21 | 3 22 | 22 22 | 0 52 | 15 52 | 1 14 | 9 19 | 1 53 | 11 59 | 1 4 | 22 14 | 0 46 | 22 17 | 0 4 | 15 20 | 0 5 | 10 41 | 12 4 | 20 1 | 19 59 | 13 17 | 17 37 | 5 38 |
| T 24 | 20 30 | 25 42 | 4 10 | 22 43 | 0 58 | 16 14 | 1 13 | 9 9 | 1 54 | 12 3 | 1 4 | 22 14 | 0 46 | 22 17 | 0 4 | 15 20 | 0 5 | 10 41 | 12 4 | 20 1 | 19 58 | 13 20 | 17 38 | 5 38 |
| W25 | 20 41 | 23 44 | 4 47 | 23 2 | 1 4 | 16 35 | 1 11 | 8 59 | 1 55 | 12 7 | 1 4 | 22 14 | 0 46 | 22 18 | 0 4 | 15 20 | 0 5 | 10 42 | 12 4 | 20 1 | 19 58 | 13 23 | 17 38 | 5 38 |
| T 26 | 20 53 | 20 32 | 5 10 | 23 21 | 1 10 | 16 57 | 1 10 | 8 49 | 1 57 | 12 11 | 1 4 | 22 13 | 0 46 | 22 18 | 0 4 | 15 20 | 0 5 | 10 42 | 12 4 | 20 1 | 19 57 | 13 26 | 17 38 | 5 38 |
| F 27 | 21 4 | 16 14 | 5 18 | 23 38 | 1 16 | 17 17 | 1 8 | 8 39 | 1 58 | 12 15 | 1 4 | 22 13 | 0 46 | 22 18 | 0 4 | 15 19 | 0 5 | 10 42 | 12 4 | 20 1 | 19 56 | 13 28 | 17 38 | 5 38 |
| S 28 | 21 14 | 11 1 | 5 8 | 23 54 | 1 22 | 17 37 | 1 6 | 8 29 | 1 59 | 12 19 | 1 4 | 22 13 | 0 46 | 22 19 | 0 4 | 15 19 | 0 5 | 10 43 | 12 3 | 20 1 | 19 56 | 13 31 | 17 38 | 5 38 |
| S 29 | 21 24 | 5 6 | 4 40 | 24 9 | 1 27 | 17 57 | 1 5 | 8 19 | 2 0 | 12 22 | 1 4 | 22 12 | 0 46 | 22 19 | 0 4 | 15 19 | 0 5 | 10 43 | 12 3 | 20 1 | 19 55 | 13 34 | 17 39 | 5 38 |
| M30 | 21s34 | 1n13 | 3s55 | 24s23 | 1s33 | 18s16 | 1n 3 | 8n 9 | 2n 1 | 12s26 | 1n 4 | 22s12 | 0n46 | 22s20 | 0n 4 | 15s18 | 0n 5 | 10s43 | 12n 3 | 20n 1 | 19n54 | 13s37 | 17s39 | 5n38 |

Julian Day Number = 2813074.5, Delta T = 53m46s
Ecliptic obliquity = 23°18'44, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°35'48, Lahiri = 37°42'48


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# ASTRODIENST EPHEMERIS for the year 2989
# geocentric

## DECEMBER 2989 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 42 45 | 9♐15'44 | 26♈55 | 20♐16 | 27♏52 | 14♍24 | 6♏12 | 9♑48 | 14♐20 | 17♒54 | 17♐31 | 29♉54 | 29♉18 | 11♏24 | 27♐ 1 | T 1 |
| W 2 | 4 46 42 | 10°16'07 | 11♉50 | 21°47 | 29° 7 | 14°52 | 6°24 | 9°55 | 14°24 | 17°55 | 17°34 | 29°54 | 29°15 | 11°31 | 27° 8 | W 2 |
| T 3 | 4 50 38 | 11°16'31 | 26°52 | 23°18 | 0♐22 | 15°19 | 6°35 | 10° 1 | 14°27 | 17°56 | 17°36 | 29°R55 | 29°12 | 11°37 | 27°15 | T 3 |
| F 4 | 4 54 35 | 12°16'57 | 11♊54 | 24°49 | 1°37 | 15°47 | 6°47 | 10° 8 | 14°31 | 17°57 | 17°38 | 29°55 | 29° 9 | 11°44 | 27°22 | F 4 |
| S 5 | 4 58 31 | 13°17'24 | 26°48 | 26°19 | 2°53 | 16°14 | 6°59 | 10°15 | 14°35 | 17°59 | 17°41 | 29°54 | 29° 6 | 11°51 | 27°29 | S 5 |
| S 6 | 5 2 28 | 14°17'53 | 11♋24 | 27°50 | 4° 8 | 16°41 | 7°10 | 10°21 | 14°39 | 18° 0 | 17°43 | 29°52 | 29° 2 | 11°57 | 27°36 | S 6 |
| M 7 | 5 6 24 | 15°18'24 | 25°38 | 29°19 | 5°23 | 17° 7 | 7°22 | 10°28 | 14°42 | 18° 1 | 17°45 | 29°50 | 28°59 | 12° 4 | 27°43 | M 7 |
| T 8 | 5 10 21 | 16°18'56 | 9♌25 | 0♑49 | 6°38 | 17°34 | 7°33 | 10°34 | 14°46 | 18° 2 | 17°48 | 29°48 | 28°56 | 12°11 | 27°50 | T 8 |
| W 9 | 5 14 17 | 17°19'29 | 22°45 | 2°18 | 7°54 | 18° 0 | 7°45 | 10°41 | 14°50 | 18° 4 | 17°50 | 29°46 | 28°53 | 12°17 | 27°57 | W 9 |
| T 10 | 5 18 14 | 18°20'05 | 5♍40 | 3°47 | 9° 9 | 18°26 | 7°56 | 10°48 | 14°54 | 18° 5 | 17°52 | 29°45 | 28°50 | 12°24 | 28° 4 | T 10 |
| F 11 | 5 22 11 | 19°20'42 | 18°12 | 5°15 | 10°24 | 18°52 | 8° 7 | 10°55 | 14°57 | 18° 6 | 17°55 | 29°D44 | 28°47 | 12°31 | 28°12 | F 11 |
| S 12 | 5 26 7 | 20°21'20 | 0♎25 | 6°43 | 11°40 | 19°17 | 8°18 | 11° 1 | 15° 1 | 18° 8 | 17°57 | 29°44 | 28°43 | 12°37 | 28°19 | S 12 |
| S 13 | 5 30 4 | 21°22'00 | 12°25 | 8°10 | 12°55 | 19°42 | 8°29 | 11° 8 | 15° 5 | 18° 9 | 18° 0 | 29°46 | 28°40 | 12°44 | 28°26 | S 13 |
| M14 | 5 34 0 | 22°22'42 | 24°17 | 9°37 | 14°11 | 20° 7 | 8°41 | 11°15 | 15° 8 | 18°11 | 18° 2 | 29°47 | 28°37 | 12°50 | 28°33 | M14 |
| T 15 | 5 37 57 | 23°23'25 | 6♏ 4 | 11° 3 | 15°26 | 20°31 | 8°51 | 11°22 | 15°12 | 18°12 | 18° 4 | 29°49 | 28°34 | 12°57 | 28°40 | T 15 |
| W16 | 5 41 53 | 24°24'10 | 17°52 | 12°28 | 16°41 | 20°55 | 9° 2 | 11°29 | 15°16 | 18°14 | 18° 7 | 29°50 | 28°31 | 13° 4 | 28°47 | W16 |
| T 17 | 5 45 50 | 25°24'56 | 29°43 | 13°52 | 17°57 | 21°19 | 9°13 | 11°36 | 15°20 | 18°15 | 18° 9 | 29°R51 | 28°28 | 13°10 | 28°54 | T 17 |
| F 18 | 5 49 46 | 26°25'43 | 11♐41 | 15°15 | 19°12 | 21°43 | 9°24 | 11°43 | 15°23 | 18°17 | 18°11 | 29°50 | 28°24 | 13°17 | 29° 2 | F 18 |
| S 19 | 5 53 43 | 27°26'32 | 23°48 | 16°37 | 20°28 | 22° 6 | 9°35 | 11°50 | 15°27 | 18°18 | 18°14 | 29°48 | 28°21 | 13°24 | 29° 9 | S 19 |
| S 20 | 5 57 40 | 28°27'21 | 6♑ 5 | 17°57 | 21°43 | 22°29 | 9°45 | 11°57 | 15°31 | 18°20 | 18°16 | 29°45 | 28°18 | 13°30 | 29°16 | S 20 |
| M21 | 6 1 36 | 29°28'12 | 18°35 | 19°16 | 22°58 | 22°51 | 9°56 | 12° 4 | 15°34 | 18°21 | 18°18 | 29°40 | 28°15 | 13°37 | 29°23 | M21 |
| T 22 | 6 5 33 | 0♑29'04 | 1♒17 | 20°32 | 24°14 | 23°13 | 10° 6 | 12°11 | 15°38 | 18°23 | 18°21 | 29°35 | 28°12 | 13°44 | 29°30 | T 22 |
| W23 | 6 9 29 | 1°29'57 | 14°11 | 21°46 | 25°29 | 23°35 | 10°16 | 12°18 | 15°41 | 18°25 | 18°23 | 29°29 | 28° 8 | 13°50 | 29°37 | W23 |
| T 24 | 6 13 26 | 2°30'50 | 27°19 | 22°58 | 26°45 | 23°56 | 10°26 | 12°25 | 15°45 | 18°26 | 18°25 | 29°24 | 28° 5 | 13°57 | 29°45 | T 24 |
| F 25 | 6 17 22 | 3°31'44 | 10♓41 | 24° 7 | 28° 0 | 24°17 | 10°36 | 12°32 | 15°49 | 18°28 | 18°28 | 29°21 | 28° 2 | 14° 4 | 29°52 | F 25 |
| S 26 | 6 21 19 | 4°32'38 | 24°16 | 25°12 | 29°16 | 24°38 | 10°46 | 12°39 | 15°52 | 18°30 | 18°30 | 29°19 | 27°59 | 14°10 | 29°59 | S 26 |
| S 27 | 6 25 16 | 5°33'33 | 8♈ 6 | 26°13 | 0♑31 | 24°58 | 10°56 | 12°46 | 15°56 | 18°32 | 18°32 | 29°D18 | 27°56 | 14°17 | 0♑ 6 | S 27 |
| M28 | 6 29 12 | 6°34'29 | 22°10 | 27° 9 | 1°47 | 25°18 | 11° 6 | 12°53 | 15°59 | 18°33 | 18°35 | 29°19 | 27°53 | 14°24 | 0°13 | M28 |
| T 29 | 6 33 9 | 7°35'25 | 6♉28 | 28° 0 | 3° 2 | 25°38 | 11°16 | 13° 0 | 16° 3 | 18°35 | 18°37 | 29°20 | 27°49 | 14°30 | 0°20 | T 29 |
| W30 | 6 37 5 | 8°36'22 | 20°57 | 28°44 | 4°18 | 25°57 | 11°25 | 13° 7 | 16° 6 | 18°37 | 18°39 | 29°22 | 27°46 | 14°37 | 0°27 | W30 |
| T 31 | 6 41 2 | 9♑37'20 | 5♊34 | 29♑22 | 5♑33 | 26♍15 | 11♏35 | 13♑14 | 16♐10 | 18♒39 | 18♐41 | 29°R22 | 27♉43 | 14♏44 | 0♑34 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s43 | 7n38 | 2s53 | 24s35 | 1s38 | 18s35 | 1n 1 | 8n 0 | 2n 3 | 12s30 | 1n 4 | 22s12 | 0n45 | 22s20 | 0n 4 | 15s18 | 0n 5 | 10s44 | 12n 3 | 20n 1 | 19n54 | 13s40 | 17s39 | 5n38 |
| W 2 | 21 52 | 13 44 | 1 39 | 24 46 | 1 43 | 18 53 | 0 59 | 7 50 | 2 4 | 12 34 | 1 4 | 22 11 | 0 45 | 22 21 | 0 4 | 15 18 | 0 5 | 10 44 | 12 3 | 20 1 | 19 53 | 13 43 | 17 39 | 5 38 |
| T 3 | 22 1 | 19 5 | 0 17 | 24 56 | 1 48 | 19 11 | 0 57 | 7 41 | 2 5 | 12 38 | 1 5 | 22 11 | 0 45 | 22 21 | 0 4 | 15 17 | 0 5 | 10 44 | 12 3 | 20 1 | 19 52 | 13 45 | 17 39 | 5 38 |
| F 4 | 22 9 | 23 11 | 1n 6 | 25 5 | 1 52 | 19 28 | 0 55 | 7 31 | 2 6 | 12 41 | 1 5 | 22 11 | 0 45 | 22 22 | 0 4 | 15 17 | 0 5 | 10 45 | 12 3 | 20 1 | 19 52 | 13 48 | 17 40 | 5 38 |
| S 5 | 22 16 | 25 40 | 2 24 | 25 12 | 1 57 | 19 45 | 0 53 | 7 22 | 2 7 | 12 45 | 1 5 | 22 10 | 0 45 | 22 22 | 0 4 | 15 17 | 0 5 | 10 45 | 12 2 | 20 1 | 19 51 | 13 51 | 17 40 | 5 38 |
| S 6 | 22 24 | 26 19 | 3 30 | 25 19 | 2 1 | 20 1 | 0 51 | 7 13 | 2 9 | 12 49 | 1 5 | 22 10 | 0 45 | 22 22 | 0 4 | 15 16 | 0 5 | 10 45 | 12 2 | 20 1 | 19 50 | 13 54 | 17 40 | 5 38 |
| M 7 | 22 30 | 25 12 | 4 22 | 25 23 | 2 5 | 20 17 | 0 49 | 7 3 | 2 10 | 12 52 | 1 5 | 22 9 | 0 45 | 22 23 | 0 4 | 15 16 | 0 5 | 10 46 | 12 2 | 20 0 | 19 50 | 13 57 | 17 40 | 5 38 |
| T 8 | 22 37 | 22 34 | 4 57 | 25 27 | 2 8 | 20 32 | 0 47 | 6 54 | 2 11 | 12 56 | 1 5 | 22 9 | 0 45 | 22 23 | 0 4 | 15 16 | 0 5 | 10 46 | 12 2 | 20 0 | 19 49 | 13 59 | 17 40 | 5 38 |
| W 9 | 22 43 | 18 48 | 5 14 | 25 29 | 2 12 | 20 46 | 0 45 | 6 45 | 2 13 | 13 0 | 1 5 | 22 9 | 0 45 | 22 24 | 0 4 | 15 15 | 0 5 | 10 46 | 12 2 | 20 0 | 19 48 | 14 2 | 17 40 | 5 38 |
| T 10 | 22 48 | 14 16 | 5 15 | 25 30 | 2 14 | 21 0 | 0 43 | 6 36 | 2 14 | 13 3 | 1 5 | 22 8 | 0 45 | 22 24 | 0 4 | 15 15 | 0 5 | 10 46 | 12 2 | 19 59 | 19 48 | 14 5 | 17 40 | 5 38 |
| F 11 | 22 53 | 9 15 | 5 0 | 25 29 | 2 17 | 21 13 | 0 41 | 6 28 | 2 15 | 13 7 | 1 5 | 22 8 | 0 44 | 22 25 | 0 4 | 15 14 | 0 5 | 10 47 | 12 2 | 19 59 | 19 47 | 14 8 | 17 40 | 5 38 |
| S 12 | 22 58 | 4 0 | 4 32 | 25 28 | 2 19 | 21 26 | 0 38 | 6 19 | 2 16 | 13 10 | 1 5 | 22 7 | 0 44 | 22 25 | 0 4 | 15 14 | 0 5 | 10 47 | 12 2 | 19 59 | 19 46 | 14 11 | 17 40 | 5 38 |
| S 13 | 23 2 | 1s18 | 3 53 | 25 24 | 2 21 | 21 38 | 0 36 | 6 10 | 2 18 | 13 13 | 1 5 | 22 7 | 0 44 | 22 25 | 0 4 | 15 14 | 0 5 | 10 47 | 12 2 | 20 0 | 19 45 | 14 14 | 17 40 | 5 38 |
| M14 | 23 6 | 6 31 | 3 4 | 25 20 | 2 22 | 21 49 | 0 34 | 6 2 | 2 19 | 13 17 | 1 6 | 22 6 | 0 44 | 22 26 | 0 4 | 15 13 | 0 5 | 10 47 | 12 2 | 20 0 | 19 45 | 14 16 | 17 40 | 5 38 |
| T 15 | 23 9 | 11 28 | 2 7 | 25 14 | 2 23 | 22 0 | 0 32 | 5 53 | 2 20 | 13 20 | 1 6 | 22 6 | 0 44 | 22 26 | 0 4 | 15 13 | 0 5 | 10 48 | 12 2 | 20 0 | 19 44 | 14 19 | 17 40 | 5 38 |
| W16 | 23 12 | 16 1 | 1 6 | 25 7 | 2 24 | 22 10 | 0 29 | 5 45 | 2 22 | 13 24 | 1 6 | 22 5 | 0 44 | 22 27 | 0 4 | 15 12 | 0 5 | 10 48 | 12 2 | 20 1 | 19 43 | 14 22 | 17 40 | 5 38 |
| T 17 | 23 14 | 19 58 | 0 1 | 24 59 | 2 24 | 22 19 | 0 27 | 5 37 | 2 23 | 13 27 | 1 6 | 22 5 | 0 44 | 22 27 | 0 4 | 15 12 | 0 5 | 10 48 | 12 2 | 20 1 | 19 43 | 14 25 | 17 40 | 5 38 |
| F 18 | 23 16 | 23 8 | 1s 5 | 24 49 | 2 23 | 22 28 | 0 25 | 5 29 | 2 25 | 13 30 | 1 6 | 22 4 | 0 44 | 22 27 | 0 4 | 15 11 | 0 5 | 10 48 | 12 2 | 20 1 | 19 42 | 14 28 | 17 40 | 5 38 |
| S 19 | 23 17 | 25 18 | 2 8 | 24 38 | 2 22 | 22 36 | 0 22 | 5 21 | 2 26 | 13 33 | 1 6 | 22 4 | 0 44 | 22 28 | 0 4 | 15 11 | 0 5 | 10 49 | 12 2 | 20 0 | 19 41 | 14 30 | 17 40 | 5 39 |
| S 20 | 23 18 | 26 16 | 3 6 | 24 26 | 2 21 | 22 44 | 0 20 | 5 14 | 2 27 | 13 37 | 1 6 | 22 3 | 0 44 | 22 28 | 0 4 | 15 10 | 0 5 | 10 49 | 12 2 | 19 59 | 19 41 | 14 33 | 17 40 | 5 39 |
| M21 | 23 19 | 25 56 | 3 56 | 24 13 | 2 18 | 22 50 | 0 17 | 5 6 | 2 29 | 13 40 | 1 6 | 22 3 | 0 44 | 22 29 | 0 4 | 15 10 | 0 5 | 10 49 | 12 2 | 19 58 | 19 40 | 14 36 | 17 40 | 5 39 |
| T 22 | 23 19 | 24 14 | 4 35 | 23 59 | 2 15 | 22 56 | 0 15 | 4 59 | 2 30 | 13 43 | 1 6 | 22 2 | 0 44 | 22 29 | 0 4 | 15 9 | 0 5 | 10 49 | 12 2 | 19 57 | 19 39 | 14 39 | 17 40 | 5 39 |
| W23 | 23 18 | 21 17 | 5 1 | 23 44 | 2 12 | 23 2 | 0 13 | 4 51 | 2 32 | 13 46 | 1 7 | 22 2 | 0 43 | 22 29 | 0 4 | 15 9 | 0 5 | 10 49 | 12 2 | 19 56 | 19 38 | 14 41 | 17 40 | 5 39 |
| T 24 | 23 17 | 17 13 | 5 12 | 23 27 | 2 7 | 23 6 | 0 10 | 4 44 | 2 33 | 13 49 | 1 7 | 22 1 | 0 43 | 22 30 | 0 3 | 15 8 | 0 5 | 10 49 | 12 2 | 19 55 | 19 38 | 14 44 | 17 40 | 5 39 |
| F 25 | 23 16 | 12 15 | 5 6 | 23 10 | 2 2 | 23 10 | 0 8 | 4 37 | 2 35 | 13 52 | 1 7 | 22 0 | 0 43 | 22 30 | 0 3 | 15 8 | 0 5 | 10 50 | 12 2 | 19 54 | 19 37 | 14 47 | 17 39 | 5 39 |
| S 26 | 23 14 | 6 36 | 4 43 | 22 52 | 1 55 | 23 13 | 0 5 | 4 31 | 2 36 | 13 55 | 1 7 | 22 0 | 0 43 | 22 31 | 0 3 | 15 7 | 0 5 | 10 50 | 12 2 | 19 54 | 19 36 | 14 50 | 17 39 | 5 39 |
| S 27 | 23 12 | 0 32 | 4 4 | 22 34 | 1 48 | 23 16 | 0 3 | 4 24 | 2 37 | 13 58 | 1 7 | 21 59 | 0 43 | 22 31 | 0 3 | 15 7 | 0 5 | 10 50 | 12 2 | 19 54 | 19 36 | 14 53 | 17 39 | 5 40 |
| M28 | 23 9 | 5n40 | 3 9 | 22 15 | 1 40 | 23 17 | 0 1 | 4 17 | 2 39 | 14 1 | 1 7 | 21 59 | 0 43 | 22 31 | 0 3 | 15 6 | 0 5 | 10 50 | 12 2 | 19 54 | 19 35 | 14 55 | 17 39 | 5 40 |
| T 29 | 23 6 | 11 41 | 2 2 | 21 55 | 1 30 | 23 19 | 0s 2 | 4 11 | 2 40 | 14 4 | 1 7 | 21 58 | 0 43 | 22 32 | 0 3 | 15 6 | 0 5 | 10 50 | 12 2 | 19 54 | 19 34 | 14 58 | 17 39 | 5 40 |
| W30 | 23 2 | 17 10 | 0 46 | 21 36 | 1 20 | 23 19 | 0 4 | 4 5 | 2 42 | 14 6 | 1 7 | 21 57 | 0 43 | 22 32 | 0 3 | 15 5 | 0 5 | 10 50 | 12 2 | 19 54 | 19 33 | 15 1 | 17 38 | 5 40 |
| T 31 | 22s58 | 21n40 | 0n34 | 21s17 | 1s 8 | 23s18 | 0s 7 | 3n59 | 2n44 | 14s 9 | 1n 8 | 21s57 | 0n43 | 22s32 | 0n 3 | 15s 5 | 0n 5 | 10s50 | 12n 2 | 19n54 | 19n33 | 15s 4 | 17s38 | 5n40 |

Julian Day Number = 2813104.5, Delta T = 53m47s
Ecliptic obliquity = 23°18'44, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°35'52, Lahiri = 37°42'53


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# ASTRODIENST EPHEMERIS for the year 2990
# geocentric

## JANUARY 2990 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 6 44 58 | 10♑38'18 | 20♊14 | 29♑52 | 6♑49 | 26♍34 | 11♏44 | 13♑21 | 16♐13 | 18♒41 | 18♐44 | 29°R20 | 27♉40 | 14♏50 | 0♑42 | F 1 |
| S 2 | 6 48 55 | 11°39'16 | 4♋51 | 0♒13 | 8° 4 | 26°51 | 11°54 | 13°28 | 16°17 | 18°43 | 18°46 | 29♉16 | 27°37 | 14°57 | 0°49 | S 2 |
| S 3 | 6 52 51 | 12°40'15 | 19°17 | 0°25 | 9°20 | 27° 9 | 12° 3 | 13°35 | 16°20 | 18°45 | 18°48 | 29°10 | 27°34 | 15° 3 | 0°56 | S 3 |
| M 4 | 6 56 48 | 13°41'15 | 3♌27 | 0°R26 | 10°35 | 27°26 | 12°12 | 13°43 | 16°24 | 18°47 | 18°50 | 29° 3 | 27°30 | 15°10 | 1° 3 | M 4 |
| T 5 | 7 0 45 | 14°42'15 | 17°15 | 0°16 | 11°50 | 27°42 | 12°21 | 13°50 | 16°27 | 18°49 | 18°52 | 28°55 | 27°27 | 15°17 | 1°10 | T 5 |
| W 6 | 7 4 41 | 15°43'16 | 0♍38 | 29♑54 | 13° 6 | 27°58 | 12°30 | 13°57 | 16°31 | 18°51 | 18°55 | 28°47 | 27°24 | 15°23 | 1°17 | W 6 |
| T 7 | 7 8 38 | 16°44'18 | 13°37 | 29°21 | 14°21 | 28°14 | 12°38 | 14° 4 | 16°34 | 18°53 | 18°57 | 28°41 | 27°21 | 15°30 | 1°24 | T 7 |
| F 8 | 7 12 34 | 17°45'21 | 26°13 | 28°36 | 15°37 | 28°28 | 12°47 | 14°11 | 16°37 | 18°55 | 18°59 | 28°36 | 27°18 | 15°37 | 1°31 | F 8 |
| S 9 | 7 16 31 | 18°46'24 | 8♎30 | 27°41 | 16°52 | 28°43 | 12°55 | 14°18 | 16°41 | 18°57 | 19° 1 | 28°34 | 27°14 | 15°43 | 1°38 | S 9 |
| S 10 | 7 20 27 | 19°47'27 | 20°31 | 26°35 | 18° 8 | 28°57 | 13° 4 | 14°25 | 16°44 | 18°59 | 19° 3 | 28°D33 | 27°11 | 15°50 | 1°44 | S 10 |
| M11 | 7 24 24 | 20°48'32 | 2♏23 | 25°22 | 19°23 | 29°10 | 13°12 | 14°32 | 16°47 | 19° 1 | 19° 5 | 28°34 | 27° 8 | 15°57 | 1°51 | M11 |
| T 12 | 7 28 20 | 21°49'37 | 14°10 | 24° 3 | 20°39 | 29°23 | 13°20 | 14°39 | 16°50 | 19° 3 | 19° 7 | 28°35 | 27° 5 | 16° 3 | 1°58 | T 12 |
| W13 | 7 32 17 | 22°50'42 | 25°59 | 22°42 | 21°54 | 29°35 | 13°28 | 14°46 | 16°54 | 19° 5 | 19° 9 | 28°R36 | 27° 2 | 16°10 | 2° 5 | W13 |
| T 14 | 7 36 14 | 23°51'49 | 7♐53 | 21°20 | 23°10 | 29°47 | 13°36 | 14°53 | 16°57 | 19° 7 | 19°11 | 28°35 | 26°59 | 16°17 | 2°12 | T 14 |
| F 15 | 7 40 10 | 24°52'55 | 19°57 | 20° 0 | 24°25 | 29°58 | 13°44 | 15° 1 | 17° 0 | 19° 9 | 19°13 | 28°33 | 26°55 | 16°23 | 2°19 | F 15 |
| S 16 | 7 44 7 | 25°54'02 | 2♑14 | 18°46 | 25°41 | 0♎ 9 | 13°51 | 15° 8 | 17° 3 | 19°11 | 19°15 | 28°28 | 26°52 | 16°30 | 2°25 | S 16 |
| S 17 | 7 48 3 | 26°55'09 | 14°46 | 17°38 | 26°56 | 0°19 | 13°59 | 15°15 | 17° 6 | 19°13 | 19°17 | 28°20 | 26°49 | 16°37 | 2°32 | S 17 |
| M18 | 7 52 0 | 27°56'17 | 27°35 | 16°39 | 28°12 | 0°28 | 14° 6 | 15°22 | 17° 9 | 19°15 | 19°19 | 28°10 | 26°46 | 16°43 | 2°39 | M18 |
| T 19 | 7 55 56 | 28°57'24 | 10♒39 | 15°49 | 29°28 | 0°37 | 14°13 | 15°29 | 17°12 | 19°18 | 19°21 | 27°59 | 26°43 | 16°50 | 2°45 | T 19 |
| W20 | 7 59 53 | 29°58'31 | 23°58 | 15° 9 | 0♒43 | 0°45 | 14°20 | 15°36 | 17°15 | 19°20 | 19°23 | 27°48 | 26°40 | 16°56 | 2°52 | W20 |
| T 21 | 8 3 50 | 0♒59'39 | 7♓30 | 14°39 | 1°59 | 0°53 | 14°27 | 15°43 | 17°18 | 19°22 | 19°25 | 27°37 | 26°36 | 17° 3 | 2°59 | T 21 |
| F 22 | 8 7 46 | 2° 0'46 | 21°11 | 14°20 | 3°14 | 0°59 | 14°34 | 15°49 | 17°21 | 19°24 | 19°27 | 27°29 | 26°33 | 17°10 | 3° 5 | F 22 |
| S 23 | 8 11 43 | 3° 1'52 | 5♈ 0 | 14°10 | 4°30 | 1° 5 | 14°41 | 15°56 | 17°24 | 19°26 | 19°29 | 27°23 | 26°30 | 17°16 | 3°12 | S 23 |
| S 24 | 8 15 39 | 4° 2'58 | 18°55 | 14°D 9 | 5°45 | 1°11 | 14°47 | 16° 3 | 17°27 | 19°28 | 19°31 | 27°20 | 26°27 | 17°23 | 3°18 | S 24 |
| M25 | 8 19 36 | 5° 4'04 | 2♉56 | 14°17 | 7° 0 | 1°16 | 14°54 | 16°10 | 17°30 | 19°31 | 19°33 | 27°D19 | 26°24 | 17°30 | 3°24 | M25 |
| T 26 | 8 23 32 | 6° 5'09 | 17° 1 | 14°33 | 8°16 | 1°20 | 15° 0 | 16°17 | 17°32 | 19°33 | 19°34 | 27°19 | 26°20 | 17°36 | 3°31 | T 26 |
| W27 | 8 27 29 | 7° 6'14 | 1♊10 | 14°56 | 9°31 | 1°23 | 15° 6 | 16°24 | 17°35 | 19°35 | 19°36 | 27°R19 | 26°17 | 17°43 | 3°37 | W27 |
| T 28 | 8 31 25 | 8° 7'19 | 15°22 | 15°25 | 10°47 | 1°26 | 15°12 | 16°31 | 17°38 | 19°37 | 19°38 | 27°18 | 26°14 | 17°50 | 3°43 | T 28 |
| F 29 | 8 35 22 | 9° 8'22 | 29°34 | 16° 1 | 12° 2 | 1°28 | 15°17 | 16°37 | 17°41 | 19°40 | 19°40 | 27°14 | 26°11 | 17°56 | 3°50 | F 29 |
| S 30 | 8 39 19 | 10° 9'26 | 13♋44 | 16°42 | 13°18 | 1°29 | 15°23 | 16°44 | 17°43 | 19°42 | 19°41 | 27° 8 | 26° 8 | 18° 3 | 3°56 | S 30 |
| S 31 | 8 43 15 | 11♒10'28 | 27♋46 | 17♑27 | 14♒33 | 1°R29 | 15♏28 | 16♑51 | 17♐46 | 19♒44 | 19♐43 | 26♉58 | 26♉ 5 | 18♏10 | 4♑ 2 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s53 | 24n48 | 1n51 | 20s58 | 0s55 | 23s17 | 0s 9 | 3n53 | 2n45 | 14s12 | 1n 8 | 21s56 | 0n43 | 22s33 | 0n 3 | 15s 4 | 0n 5 | 10s51 | 12n 2 | 19n54 | 19n32 | 15s 6 | 17s38 | 5n41 |
| S 2 | 22 48 | 26 14 | 3 0 | 20 39 | 0 41 | 23 16 | 0 11 | 3 48 | 2 47 | 14 15 | 1 8 | 21 56 | 0 43 | 22 33 | 0 3 | 15 4 | 0 5 | 10 51 | 12 2 | 19 53 | 19 31 | 15 9 | 17 38 | 5 41 |
| S 3 | 22 43 | 25 51 | 3 57 | 20 22 | 0 25 | 23 13 | 0 14 | 3 42 | 2 48 | 14 17 | 1 8 | 21 55 | 0 43 | 22 34 | 0 3 | 15 3 | 0 5 | 10 51 | 12 2 | 19 52 | 19 31 | 15 12 | 17 38 | 5 41 |
| M 4 | 22 37 | 23 48 | 4 38 | 20 5 | 0 8 | 23 10 | 0 16 | 3 37 | 2 50 | 14 20 | 1 8 | 21 54 | 0 43 | 22 34 | 0 3 | 15 2 | 0 5 | 10 51 | 12 2 | 19 50 | 19 30 | 15 15 | 17 37 | 5 41 |
| T 5 | 22 30 | 20 23 | 5 2 | 19 50 | 0n 9 | 23 6 | 0 19 | 3 32 | 2 51 | 14 23 | 1 8 | 21 54 | 0 43 | 22 34 | 0 3 | 15 2 | 0 5 | 10 51 | 12 2 | 19 49 | 19 29 | 15 17 | 17 37 | 5 42 |
| W 6 | 22 23 | 15 59 | 5 8 | 19 37 | 0 28 | 23 1 | 0 21 | 3 27 | 2 53 | 14 25 | 1 8 | 21 53 | 0 42 | 22 35 | 0 3 | 15 1 | 0 5 | 10 51 | 12 2 | 19 47 | 19 28 | 15 20 | 17 37 | 5 42 |
| T 7 | 22 16 | 11 0 | 4 58 | 19 25 | 0 47 | 22 56 | 0 23 | 3 22 | 2 55 | 14 28 | 1 9 | 21 52 | 0 42 | 22 35 | 0 3 | 15 1 | 0 5 | 10 51 | 12 3 | 19 46 | 19 28 | 15 23 | 17 36 | 5 42 |
| F 8 | 22 8 | 5 41 | 4 34 | 19 15 | 1 7 | 22 50 | 0 26 | 3 18 | 2 56 | 14 30 | 1 9 | 21 52 | 0 42 | 22 35 | 0 3 | 15 0 | 0 5 | 10 51 | 12 3 | 19 45 | 19 27 | 15 26 | 17 36 | 5 42 |
| S 9 | 22 0 | 0 17 | 3 57 | 19 6 | 1 26 | 22 43 | 0 28 | 3 14 | 2 58 | 14 32 | 1 9 | 21 51 | 0 42 | 22 36 | 0 3 | 14 59 | 0 5 | 10 51 | 12 3 | 19 44 | 19 26 | 15 28 | 17 36 | 5 43 |
| S 10 | 21 52 | 5s 2 | 3 11 | 19 0 | 1 45 | 22 35 | 0 30 | 3 10 | 2 59 | 14 35 | 1 9 | 21 50 | 0 42 | 22 36 | 0 3 | 14 59 | 0 5 | 10 51 | 12 3 | 19 44 | 19 26 | 15 31 | 17 35 | 5 43 |
| M11 | 21 43 | 10 6 | 2 16 | 18 56 | 2 3 | 22 27 | 0 32 | 3 6 | 3 1 | 14 37 | 1 9 | 21 50 | 0 42 | 22 36 | 0 3 | 14 58 | 0 5 | 10 51 | 12 3 | 19 44 | 19 25 | 15 34 | 17 35 | 5 43 |
| T 12 | 21 33 | 14 47 | 1 17 | 18 53 | 2 20 | 22 18 | 0 35 | 3 2 | 3 3 | 14 39 | 1 9 | 21 49 | 0 42 | 22 37 | 0 3 | 14 57 | 0 5 | 10 51 | 12 3 | 19 44 | 19 24 | 15 37 | 17 35 | 5 43 |
| W13 | 21 23 | 18 55 | 0 14 | 18 52 | 2 35 | 22 9 | 0 37 | 2 59 | 3 4 | 14 42 | 1 10 | 21 48 | 0 42 | 22 37 | 0 3 | 14 57 | 0 5 | 10 51 | 12 3 | 19 44 | 19 23 | 15 39 | 17 34 | 5 44 |
| T 14 | 21 13 | 22 19 | 0s50 | 18 52 | 2 48 | 21 59 | 0 39 | 2 56 | 3 6 | 14 44 | 1 10 | 21 47 | 0 42 | 22 37 | 0 3 | 14 56 | 0 5 | 10 51 | 12 3 | 19 44 | 19 23 | 15 42 | 17 34 | 5 44 |
| F 15 | 21 2 | 24 48 | 1 52 | 18 53 | 2 58 | 21 48 | 0 41 | 2 53 | 3 8 | 14 46 | 1 10 | 21 47 | 0 42 | 22 38 | 0 3 | 14 56 | 0 5 | 10 51 | 12 4 | 19 44 | 19 22 | 15 45 | 17 33 | 5 44 |
| S 16 | 20 51 | 26 8 | 2 50 | 18 56 | 3 6 | 21 36 | 0 43 | 2 50 | 3 9 | 14 48 | 1 10 | 21 46 | 0 42 | 22 38 | 0 3 | 14 55 | 0 5 | 10 51 | 12 4 | 19 43 | 19 21 | 15 47 | 17 33 | 5 45 |
| S 17 | 20 40 | 26 10 | 3 41 | 19 0 | 3 11 | 21 24 | 0 45 | 2 48 | 3 11 | 14 50 | 1 10 | 21 45 | 0 42 | 22 38 | 0 3 | 14 54 | 0 5 | 10 51 | 12 4 | 19 41 | 19 21 | 15 50 | 17 32 | 5 45 |
| M18 | 20 28 | 24 49 | 4 22 | 19 4 | 3 14 | 21 11 | 0 47 | 2 46 | 3 13 | 14 52 | 1 10 | 21 45 | 0 42 | 22 38 | 0 3 | 14 54 | 0 5 | 10 51 | 12 4 | 19 39 | 19 20 | 15 53 | 17 32 | 5 45 |
| T 19 | 20 16 | 22 7 | 4 50 | 19 9 | 3 15 | 20 58 | 0 49 | 2 44 | 3 15 | 14 54 | 1 11 | 21 44 | 0 42 | 22 39 | 0 3 | 14 53 | 0 5 | 10 51 | 12 4 | 19 36 | 19 19 | 15 56 | 17 31 | 5 46 |
| W20 | 20 3 | 18 13 | 5 3 | 19 15 | 3 13 | 20 43 | 0 51 | 2 42 | 3 16 | 14 56 | 1 11 | 21 43 | 0 42 | 22 39 | 0 3 | 14 52 | 0 5 | 10 51 | 12 4 | 19 34 | 19 18 | 15 58 | 17 31 | 5 46 |
| T 21 | 19 50 | 13 20 | 4 59 | 19 22 | 3 10 | 20 29 | 0 53 | 2 41 | 3 18 | 14 58 | 1 11 | 21 42 | 0 42 | 22 39 | 0 3 | 14 52 | 0 5 | 10 51 | 12 5 | 19 32 | 19 18 | 16 1 | 17 30 | 5 46 |
| F 22 | 19 36 | 7 45 | 4 38 | 19 29 | 3 5 | 20 13 | 0 55 | 2 40 | 3 20 | 14 59 | 1 11 | 21 42 | 0 42 | 22 40 | 0 3 | 14 51 | 0 5 | 10 51 | 12 5 | 19 30 | 19 17 | 16 4 | 17 30 | 5 47 |
| S 23 | 19 23 | 1 43 | 4 1 | 19 36 | 2 59 | 19 57 | 0 57 | 2 39 | 3 21 | 15 1 | 1 11 | 21 41 | 0 42 | 22 40 | 0 3 | 14 50 | 0 5 | 10 51 | 12 5 | 19 28 | 19 16 | 16 6 | 17 29 | 5 47 |
| S 24 | 19 8 | 4n27 | 3 9 | 19 43 | 2 52 | 19 41 | 0 59 | 2 39 | 3 23 | 15 3 | 1 11 | 21 40 | 0 41 | 22 40 | 0 3 | 14 50 | 0 5 | 10 51 | 12 5 | 19 28 | 19 15 | 16 9 | 17 29 | 5 47 |
| M25 | 18 54 | 10 27 | 2 6 | 19 50 | 2 44 | 19 24 | 1 0 | 2 38 | 3 25 | 15 5 | 1 12 | 21 39 | 0 41 | 22 40 | 0 3 | 14 49 | 0 5 | 10 51 | 12 5 | 19 27 | 19 15 | 16 12 | 17 28 | 5 48 |
| T 26 | 18 39 | 15 57 | 0 55 | 19 57 | 2 36 | 19 6 | 1 2 | 2 38 | 3 27 | 15 6 | 1 12 | 21 38 | 0 41 | 22 41 | 0 3 | 14 48 | 0 5 | 10 51 | 12 6 | 19 27 | 19 14 | 16 14 | 17 28 | 5 48 |
| W27 | 18 24 | 20 37 | 0n20 | 20 3 | 2 27 | 18 48 | 1 4 | 2 38 | 3 28 | 15 8 | 1 12 | 21 38 | 0 41 | 22 41 | 0 3 | 14 48 | 0 5 | 10 51 | 12 6 | 19 27 | 19 13 | 16 17 | 17 27 | 5 49 |
| T 28 | 18 8 | 24 5 | 1 34 | 20 9 | 2 17 | 18 29 | 1 5 | 2 39 | 3 30 | 15 9 | 1 12 | 21 37 | 0 41 | 22 41 | 0 3 | 14 47 | 0 5 | 10 51 | 12 6 | 19 27 | 19 12 | 16 20 | 17 27 | 5 49 |
| F 29 | 17 53 | 26 1 | 2 42 | 20 15 | 2 7 | 18 10 | 1 7 | 2 40 | 3 32 | 15 11 | 1 12 | 21 36 | 0 41 | 22 41 | 0 3 | 14 46 | 0 5 | 10 50 | 12 6 | 19 26 | 19 12 | 16 23 | 17 26 | 5 50 |
| S 30 | 17 36 | 26 15 | 3 40 | 20 20 | 1 57 | 17 50 | 1 9 | 2 41 | 3 34 | 15 12 | 1 13 | 21 35 | 0 41 | 22 42 | 0 3 | 14 45 | 0 5 | 10 50 | 12 7 | 19 25 | 19 11 | 16 25 | 17 25 | 5 50 |
| S 31 | 17s20 | 24n48 | 4n23 | 20s24 | 1n47 | 17s30 | 1s10 | 2n42 | 3n35 | 15s14 | 1n13 | 21s35 | 0n41 | 22s42 | 0n 3 | 14s45 | 0n 5 | 10s50 | 12n 7 | 19n23 | 19n10 | 16s28 | 17s25 | 5n50 |

Julian Day Number = 2813135.5, Delta T = 53m47s
Ecliptic obliquity = 23°18'44, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°35'56, Lahiri = 37°42'57


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# ASTRODIENST EPHEMERIS for the year 2990
# geocentric

## FEBRUARY 2990 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 8 47 12 | 12♒11'31 | 11♌37 | 18♑17 | 15♒49 | 1°R29 | 15♏34 | 16♑57 | 17♐48 | 19♒46 | 19♐45 | 26°R47 | 26♉ 1 | 18♏16 | 4♑ 8 | M 1 |
| T 2 | 8 51 8 | 13°12'32 | 25°12 | 19°11 | 17° 4 | 1♎28 | 15°39 | 17° 4 | 17°51 | 19°49 | 19°46 | 26♉34 | 25°58 | 18°23 | 4°14 | T 2 |
| W 3 | 8 55 5 | 14°13'34 | 8♍28 | 20° 8 | 18°20 | 1°26 | 15°44 | 17°11 | 17°53 | 19°51 | 19°48 | 26°21 | 25°55 | 18°30 | 4°20 | W 3 |
| T 4 | 8 59 1 | 15°14'34 | 21°23 | 21° 8 | 19°35 | 1°24 | 15°48 | 17°17 | 17°56 | 19°53 | 19°49 | 26°10 | 25°52 | 18°36 | 4°26 | T 4 |
| F 5 | 9 2 58 | 16°15'35 | 3♎58 | 22°11 | 20°50 | 1°20 | 15°53 | 17°24 | 17°58 | 19°55 | 19°51 | 26° 1 | 25°49 | 18°43 | 4°32 | F 5 |
| S 6 | 9 6 54 | 17°16'35 | 16°15 | 23°17 | 22° 6 | 1°16 | 15°57 | 17°30 | 18° 1 | 19°58 | 19°52 | 25°55 | 25°46 | 18°49 | 4°38 | S 6 |
| S 7 | 9 10 51 | 18°17'34 | 28°18 | 24°25 | 23°21 | 1°11 | 16° 2 | 17°37 | 18° 3 | 20° 0 | 19°54 | 25°51 | 25°42 | 18°56 | 4°44 | S 7 |
| M 8 | 9 14 48 | 19°18'34 | 10♏11 | 25°35 | 24°37 | 1° 5 | 16° 6 | 17°43 | 18° 5 | 20° 2 | 19°55 | 25°50 | 25°39 | 19° 3 | 4°49 | M 8 |
| T 9 | 9 18 44 | 20°19'33 | 21°58 | 26°47 | 25°52 | 0°59 | 16°10 | 17°50 | 18° 7 | 20° 5 | 19°57 | 25°49 | 25°36 | 19° 9 | 4°55 | T 9 |
| W10 | 9 22 41 | 21°20'31 | 3♐47 | 28° 1 | 27° 7 | 0°52 | 16°13 | 17°56 | 18°10 | 20° 7 | 19°58 | 25°49 | 25°33 | 19°16 | 5° 1 | W10 |
| T 11 | 9 26 37 | 22°21'29 | 15°42 | 29°16 | 28°23 | 0°43 | 16°17 | 18° 2 | 18°12 | 20° 9 | 20° 0 | 25°48 | 25°30 | 19°23 | 5° 6 | T 11 |
| F 12 | 9 30 34 | 23°22'27 | 27°49 | 0♒33 | 29°38 | 0°34 | 16°20 | 18° 9 | 18°14 | 20°11 | 20° 1 | 25°45 | 25°26 | 19°29 | 5°12 | F 12 |
| S 13 | 9 34 30 | 24°23'24 | 10♑12 | 1°51 | 0♓53 | 0°25 | 16°24 | 18°15 | 18°16 | 20°14 | 20° 2 | 25°39 | 25°23 | 19°36 | 5°17 | S 13 |
| S 14 | 9 38 27 | 25°24'20 | 22°54 | 3°11 | 2° 9 | 0°14 | 16°27 | 18°21 | 18°18 | 20°16 | 20° 4 | 25°30 | 25°20 | 19°43 | 5°23 | S 14 |
| M15 | 9 42 23 | 26°25'15 | 5♒57 | 4°32 | 3°24 | 0° 3 | 16°29 | 18°27 | 18°20 | 20°18 | 20° 5 | 25°19 | 25°17 | 19°49 | 5°28 | M15 |
| T 16 | 9 46 20 | 27°26'10 | 19°21 | 5°54 | 4°39 | 29♍51 | 16°32 | 18°33 | 18°22 | 20°21 | 20° 6 | 25° 6 | 25°14 | 19°56 | 5°33 | T 16 |
| W17 | 9 50 17 | 28°27'04 | 3♓ 5 | 7°17 | 5°55 | 29°38 | 16°35 | 18°39 | 18°23 | 20°23 | 20° 7 | 24°53 | 25°11 | 20° 3 | 5°38 | W17 |
| T 18 | 9 54 13 | 29°27'56 | 17° 3 | 8°41 | 7°10 | 29°24 | 16°37 | 18°45 | 18°25 | 20°25 | 20° 8 | 24°40 | 25° 7 | 20° 9 | 5°44 | T 18 |
| F 19 | 9 58 10 | 0♓28'48 | 1♈11 | 10° 6 | 8°25 | 29° 9 | 16°39 | 18°51 | 18°27 | 20°27 | 20° 9 | 24°30 | 25° 4 | 20°16 | 5°49 | F 19 |
| S 20 | 10 2 6 | 1°29'38 | 15°25 | 11°32 | 9°41 | 28°54 | 16°41 | 18°57 | 18°29 | 20°30 | 20°10 | 24°23 | 25° 1 | 20°23 | 5°54 | S 20 |
| S 21 | 10 6 3 | 2°30'27 | 29°40 | 12°59 | 10°56 | 28°38 | 16°43 | 19° 3 | 18°30 | 20°32 | 20°12 | 24°19 | 24°58 | 20°29 | 5°59 | S 21 |
| M22 | 10 9 59 | 3°31'15 | 13♉52 | 14°27 | 12°11 | 28°22 | 16°44 | 19° 8 | 18°32 | 20°34 | 20°13 | 24°17 | 24°55 | 20°36 | 6° 3 | M22 |
| T 23 | 10 13 56 | 4°32'01 | 28° 1 | 15°56 | 13°26 | 28° 5 | 16°46 | 19°14 | 18°33 | 20°36 | 20°14 | 24°17 | 24°52 | 20°42 | 6° 8 | T 23 |
| W24 | 10 17 52 | 5°32'46 | 12♊ 3 | 17°25 | 14°42 | 27°47 | 16°47 | 19°20 | 18°35 | 20°38 | 20°14 | 24°17 | 24°48 | 20°49 | 6°13 | W24 |
| T 25 | 10 21 49 | 6°33'29 | 26° 0 | 18°56 | 15°57 | 27°28 | 16°48 | 19°25 | 18°36 | 20°41 | 20°15 | 24°15 | 24°45 | 20°56 | 6°18 | T 25 |
| F 26 | 10 25 46 | 7°34'11 | 9♋51 | 20°27 | 17°12 | 27° 9 | 16°49 | 19°31 | 18°38 | 20°43 | 20°16 | 24°12 | 24°42 | 21° 2 | 6°22 | F 26 |
| S 27 | 10 29 42 | 8°34'51 | 23°35 | 22° 0 | 18°27 | 26°49 | 16°49 | 19°36 | 18°39 | 20°45 | 20°17 | 24° 5 | 24°39 | 21° 9 | 6°27 | S 27 |
| S 28 | 10 33 39 | 9♓35'30 | 7♌10 | 23♒33 | 19♓42 | 26♍29 | 16♏50 | 19♑42 | 18♐40 | 20♒47 | 20♐18 | 23♉56 | 24♉36 | 21♏16 | 6♑31 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17s 3 | 21n52 | 4n51 | 20s28 | 1n37 | 17s 9 | 1s11 | 2n44 | 3n37 | 15s15 | 1n13 | 21s34 | 0n41 | 22s42 | 0n 3 | 14s44 | 0n 5 | 10s50 | 12n 7 | 19n20 | 19n 9 | 16s31 | 17s24 | 5n51 |
| T 2 | 16 46 | 17 47 | 5 1 | 20 31 | 1 27 | 16 48 | 1 13 | 2 46 | 3 39 | 15 16 | 1 13 | 21 33 | 0 41 | 22 42 | 0 3 | 14 43 | 0 5 | 10 50 | 12 7 | 19 17 | 19 9 | 16 33 | 17 24 | 5 51 |
| W 3 | 16 28 | 12 54 | 4 54 | 20 33 | 1 17 | 16 26 | 1 14 | 2 48 | 3 40 | 15 17 | 1 13 | 21 32 | 0 41 | 22 43 | 0 3 | 14 43 | 0 5 | 10 50 | 12 8 | 19 14 | 19 8 | 16 36 | 17 23 | 5 52 |
| T 4 | 16 11 | 7 35 | 4 33 | 20 34 | 1 7 | 16 4 | 1 15 | 2 51 | 3 42 | 15 19 | 1 14 | 21 31 | 0 41 | 22 43 | 0 3 | 14 42 | 0 5 | 10 50 | 12 8 | 19 12 | 19 7 | 16 39 | 17 22 | 5 52 |
| F 5 | 15 53 | 2 5 | 3 58 | 20 34 | 0 57 | 15 41 | 1 17 | 2 54 | 3 44 | 15 20 | 1 14 | 21 31 | 0 41 | 22 43 | 0 3 | 14 41 | 0 5 | 10 49 | 12 8 | 19 9 | 19 7 | 16 41 | 17 22 | 5 53 |
| S 6 | 15 34 | 3s23 | 3 13 | 20 32 | 0 47 | 15 18 | 1 18 | 2 57 | 3 45 | 15 21 | 1 14 | 21 30 | 0 41 | 22 43 | 0 3 | 14 41 | 0 5 | 10 49 | 12 8 | 19 8 | 19 6 | 16 44 | 17 21 | 5 53 |
| S 7 | 15 16 | 8 38 | 2 20 | 20 30 | 0 38 | 14 54 | 1 19 | 3 0 | 3 47 | 15 22 | 1 14 | 21 29 | 0 41 | 22 44 | 0 3 | 14 40 | 0 5 | 10 49 | 12 9 | 19 7 | 19 5 | 16 47 | 17 20 | 5 54 |
| M 8 | 14 57 | 13 30 | 1 22 | 20 27 | 0 28 | 14 30 | 1 20 | 3 4 | 3 48 | 15 23 | 1 14 | 21 28 | 0 41 | 22 44 | 0 3 | 14 39 | 0 5 | 10 49 | 12 9 | 19 7 | 19 4 | 16 49 | 17 20 | 5 54 |
| T 9 | 14 38 | 17 50 | 0 20 | 20 23 | 0 19 | 14 6 | 1 21 | 3 8 | 3 50 | 15 24 | 1 15 | 21 27 | 0 41 | 22 44 | 0 3 | 14 38 | 0 5 | 10 49 | 12 9 | 19 7 | 19 4 | 16 52 | 17 19 | 5 55 |
| W10 | 14 19 | 21 29 | 0s42 | 20 17 | 0 10 | 13 41 | 1 22 | 3 12 | 3 51 | 15 25 | 1 15 | 21 27 | 0 41 | 22 44 | 0 3 | 14 38 | 0 5 | 10 49 | 12 9 | 19 7 | 19 3 | 16 54 | 17 18 | 5 55 |
| T 11 | 13 59 | 24 16 | 1 43 | 20 11 | 0 1 | 13 16 | 1 23 | 3 17 | 3 53 | 15 25 | 1 15 | 21 26 | 0 41 | 22 44 | 0 3 | 14 37 | 0 4 | 10 48 | 12 10 | 19 6 | 19 2 | 16 57 | 17 18 | 5 56 |
| F 12 | 13 39 | 25 58 | 2 41 | 20 3 | 0s 7 | 12 51 | 1 23 | 3 21 | 3 54 | 15 26 | 1 15 | 21 25 | 0 41 | 22 45 | 0 3 | 14 36 | 0 4 | 10 48 | 12 10 | 19 6 | 19 1 | 17 0 | 17 17 | 5 56 |
| S 13 | 13 19 | 26 26 | 3 32 | 19 54 | 0 16 | 12 25 | 1 24 | 3 27 | 3 56 | 15 27 | 1 15 | 21 24 | 0 41 | 22 45 | 0 3 | 14 36 | 0 4 | 10 48 | 12 10 | 19 4 | 19 1 | 17 2 | 17 16 | 5 57 |
| S 14 | 12 59 | 25 33 | 4 14 | 19 44 | 0 24 | 11 59 | 1 25 | 3 32 | 3 57 | 15 28 | 1 16 | 21 24 | 0 41 | 22 45 | 0 3 | 14 35 | 0 4 | 10 48 | 12 11 | 19 2 | 19 0 | 17 5 | 17 15 | 5 57 |
| M15 | 12 39 | 23 16 | 4 43 | 19 32 | 0 32 | 11 32 | 1 26 | 3 38 | 3 58 | 15 28 | 1 16 | 21 23 | 0 41 | 22 45 | 0 3 | 14 34 | 0 4 | 10 48 | 12 11 | 18 59 | 18 59 | 17 8 | 17 15 | 5 58 |
| T 16 | 12 18 | 19 40 | 4 59 | 19 20 | 0 39 | 11 5 | 1 26 | 3 44 | 4 0 | 15 29 | 1 16 | 21 22 | 0 41 | 22 45 | 0 3 | 14 34 | 0 4 | 10 47 | 12 11 | 18 56 | 18 58 | 17 10 | 17 14 | 5 58 |
| W17 | 11 57 | 14 56 | 4 57 | 19 6 | 0 47 | 10 38 | 1 27 | 3 50 | 4 1 | 15 29 | 1 16 | 21 21 | 0 41 | 22 45 | 0 3 | 14 33 | 0 4 | 10 47 | 12 11 | 18 53 | 18 57 | 17 13 | 17 13 | 5 59 |
| T 18 | 11 36 | 9 21 | 4 38 | 18 51 | 0 54 | 10 11 | 1 27 | 3 56 | 4 2 | 15 30 | 1 16 | 21 20 | 0 41 | 22 46 | 0 3 | 14 32 | 0 4 | 10 47 | 12 12 | 18 50 | 18 57 | 17 15 | 17 12 | 5 59 |
| F 19 | 11 15 | 3 14 | 4 2 | 18 35 | 1 0 | 9 43 | 1 27 | 4 3 | 4 3 | 15 30 | 1 17 | 21 20 | 0 40 | 22 46 | 0 3 | 14 31 | 0 4 | 10 47 | 12 12 | 18 48 | 18 56 | 17 18 | 17 12 | 6 0 |
| S 20 | 10 53 | 3n 7 | 3 10 | 18 18 | 1 7 | 9 15 | 1 28 | 4 10 | 4 4 | 15 30 | 1 17 | 21 19 | 0 40 | 22 46 | 0 3 | 14 31 | 0 4 | 10 47 | 12 12 | 18 46 | 18 55 | 17 21 | 17 11 | 6 1 |
| S 21 | 10 32 | 9 19 | 2 6 | 18 0 | 1 13 | 8 47 | 1 28 | 4 17 | 4 5 | 15 31 | 1 17 | 21 18 | 0 40 | 22 46 | 0 3 | 14 30 | 0 4 | 10 46 | 12 13 | 18 45 | 18 54 | 17 23 | 17 10 | 6 1 |
| M22 | 10 10 | 15 3 | 0 55 | 17 40 | 1 19 | 8 19 | 1 28 | 4 25 | 4 6 | 15 31 | 1 17 | 21 17 | 0 40 | 22 46 | 0 3 | 14 29 | 0 4 | 10 46 | 12 13 | 18 45 | 18 54 | 17 26 | 17 9 | 6 2 |
| T 23 | 9 48 | 19 56 | 0n20 | 17 20 | 1 25 | 7 50 | 1 28 | 4 32 | 4 7 | 15 31 | 1 17 | 21 16 | 0 40 | 22 46 | 0 3 | 14 29 | 0 4 | 10 46 | 12 13 | 18 44 | 18 53 | 17 28 | 17 8 | 6 2 |
| W24 | 9 26 | 23 39 | 1 33 | 16 58 | 1 30 | 7 21 | 1 28 | 4 40 | 4 8 | 15 31 | 1 18 | 21 16 | 0 40 | 22 46 | 0 3 | 14 28 | 0 4 | 10 46 | 12 14 | 18 44 | 18 52 | 17 31 | 17 8 | 6 3 |
| T 25 | 9 3 | 25 55 | 2 40 | 16 35 | 1 35 | 6 52 | 1 28 | 4 48 | 4 8 | 15 31 | 1 18 | 21 15 | 0 40 | 22 47 | 0 3 | 14 27 | 0 4 | 10 45 | 12 14 | 18 44 | 18 51 | 17 34 | 17 7 | 6 3 |
| F 26 | 8 41 | 26 33 | 3 36 | 16 10 | 1 40 | 6 23 | 1 28 | 4 56 | 4 9 | 15 31 | 1 18 | 21 14 | 0 40 | 22 47 | 0 3 | 14 27 | 0 4 | 10 45 | 12 14 | 18 43 | 18 51 | 17 36 | 17 6 | 6 4 |
| S 27 | 8 19 | 25 32 | 4 20 | 15 45 | 1 44 | 5 54 | 1 28 | 5 4 | 4 9 | 15 31 | 1 18 | 21 13 | 0 40 | 22 47 | 0 3 | 14 26 | 0 4 | 10 45 | 12 15 | 18 42 | 18 50 | 17 39 | 17 5 | 6 5 |
| S 28 | 7s56 | 23n 2 | 4n49 | 15s18 | 1s48 | 5s24 | 1s28 | 5n13 | 4n10 | 15s31 | 1n18 | 21s13 | 0n40 | 22s47 | 0n 3 | 14s25 | 0n 4 | 10s44 | 12n15 | 18n39 | 18n49 | 17s41 | 17s 4 | 6n 5 |

Julian Day Number = 2813166.5, Delta T = 53m48s
Ecliptic obliquity = 23°18'45, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'01, Lahiri = 37°43'01


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# ASTRODIENST EPHEMERIS for the year 2990
# geocentric

## MARCH 2990 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 37 35 | 10♓36'07 | 20♌35 | 25♒ 7 | 20♓57 | 26°R 8 | 16♏50 | 19♉47 | 18♐42 | 20♒49 | 20♐19 | 23°R45 | 24♉32 | 21♏22 | 6♉35 | M 1 |
| T 2 | 10 41 32 | 11°36'43 | 3♍47 | 26°41 | 22°12 | 25♍47 | 16°R50 | 19°52 | 18°43 | 20°52 | 20°20 | 23♉32 | 24°29 | 21°29 | 6°40 | T 2 |
| W 3 | 10 45 28 | 12°37'17 | 16°45 | 28°17 | 23°28 | 25°26 | 16°50 | 19°58 | 18°44 | 20°54 | 20°20 | 23°20 | 24°26 | 21°36 | 6°44 | W 3 |
| T 4 | 10 49 25 | 13°37'50 | 29°28 | 29°54 | 24°43 | 25° 4 | 16°50 | 20° 3 | 18°45 | 20°56 | 20°21 | 23° 8 | 24°23 | 21°42 | 6°48 | T 4 |
| F 5 | 10 53 21 | 14°38'21 | 11♎55 | 1♓31 | 25°58 | 24°41 | 16°49 | 20° 8 | 18°46 | 20°58 | 20°22 | 22°59 | 24°20 | 21°49 | 6°52 | F 5 |
| S 6 | 10 57 18 | 15°38'52 | 24° 7 | 3° 9 | 27°13 | 24°18 | 16°49 | 20°13 | 18°47 | 21° 0 | 20°22 | 22°53 | 24°17 | 21°56 | 6°56 | S 6 |
| S 7 | 11 1 14 | 16°39'20 | 6♏ 8 | 4°49 | 28°28 | 23°55 | 16°48 | 20°18 | 18°48 | 21° 2 | 20°23 | 22°49 | 24°13 | 22° 2 | 7° 0 | S 7 |
| M 8 | 11 5 11 | 17°39'48 | 18° 0 | 6°29 | 29°43 | 23°32 | 16°47 | 20°23 | 18°49 | 21° 4 | 20°23 | 22°D47 | 24°10 | 22° 9 | 7° 3 | M 8 |
| T 9 | 11 9 8 | 18°40'15 | 29°47 | 8°10 | 0♈58 | 23° 9 | 16°45 | 20°28 | 18°50 | 21° 6 | 20°24 | 22°47 | 24° 7 | 22°15 | 7° 7 | T 9 |
| W10 | 11 13 4 | 19°40'40 | 11♐35 | 9°52 | 2°13 | 22°45 | 16°44 | 20°32 | 18°50 | 21° 8 | 20°24 | 22°48 | 24° 4 | 22°22 | 7°11 | W10 |
| T 11 | 11 17 1 | 20°41'04 | 23°30 | 11°35 | 3°27 | 22°21 | 16°42 | 20°37 | 18°51 | 21°11 | 20°25 | 22°R48 | 24° 1 | 22°29 | 7°14 | T 11 |
| F 12 | 11 20 57 | 21°41'26 | 5♉36 | 13°19 | 4°42 | 21°57 | 16°41 | 20°42 | 18°52 | 21°13 | 20°25 | 22°47 | 23°57 | 22°35 | 7°18 | F 12 |
| S 13 | 11 24 54 | 22°41'48 | 17°59 | 15° 4 | 5°57 | 21°33 | 16°39 | 20°46 | 18°52 | 21°15 | 20°26 | 22°44 | 23°54 | 22°42 | 7°21 | S 13 |
| S 14 | 11 28 50 | 23°42'08 | 0♒44 | 16°50 | 7°12 | 21° 9 | 16°36 | 20°51 | 18°53 | 21°17 | 20°26 | 22°38 | 23°51 | 22°49 | 7°24 | S 14 |
| M15 | 11 32 47 | 24°42'26 | 13°52 | 18°37 | 8°27 | 20°46 | 16°34 | 20°55 | 18°53 | 21°19 | 20°26 | 22°31 | 23°48 | 22°55 | 7°28 | M15 |
| T 16 | 11 36 43 | 25°42'43 | 27°26 | 20°25 | 9°42 | 20°22 | 16°31 | 20°59 | 18°54 | 21°21 | 20°26 | 22°22 | 23°45 | 23° 2 | 7°31 | T 16 |
| W17 | 11 40 40 | 26°42'58 | 11♓24 | 22°14 | 10°57 | 19°58 | 16°29 | 21° 4 | 18°54 | 21°23 | 20°27 | 22°12 | 23°42 | 23° 9 | 7°34 | W17 |
| T 18 | 11 44 37 | 27°43'12 | 25°43 | 24° 4 | 12°11 | 19°35 | 16°26 | 21° 8 | 18°55 | 21°24 | 20°27 | 22° 3 | 23°38 | 23°15 | 7°37 | T 18 |
| F 19 | 11 48 33 | 28°43'24 | 10♈16 | 25°55 | 13°26 | 19°12 | 16°23 | 21°12 | 18°55 | 21°26 | 20°27 | 21°55 | 23°35 | 23°22 | 7°39 | F 19 |
| S 20 | 11 52 30 | 29°43'34 | 24°57 | 27°47 | 14°41 | 18°49 | 16°19 | 21°16 | 18°55 | 21°28 | 20°27 | 21°50 | 23°32 | 23°29 | 7°42 | S 20 |
| S 21 | 11 56 26 | 0♈43'43 | 9♉38 | 29°40 | 15°55 | 18°27 | 16°16 | 21°20 | 18°55 | 21°30 | 20°27 | 21°47 | 23°29 | 23°35 | 7°45 | S 21 |
| M22 | 12 0 23 | 1°43'49 | 24°13 | 1♈34 | 17°10 | 18° 5 | 16°12 | 21°23 | 18°55 | 21°32 | 20°27 | 21°D47 | 23°26 | 23°42 | 7°47 | M22 |
| T 23 | 12 4 19 | 2°43'53 | 8♊38 | 3°29 | 18°25 | 17°43 | 16° 9 | 21°27 | 18°55 | 21°34 | 20°R27 | 21°48 | 23°23 | 23°48 | 7°50 | T 23 |
| W24 | 12 8 16 | 3°43'56 | 22°49 | 5°24 | 19°39 | 17°22 | 16° 5 | 21°31 | 18°R55 | 21°36 | 20°27 | 21°49 | 23°19 | 23°55 | 7°52 | W24 |
| T 25 | 12 12 12 | 4°43'56 | 6♋46 | 7°21 | 20°54 | 17° 1 | 16° 1 | 21°34 | 18°55 | 21°37 | 20°27 | 21°R49 | 23°16 | 24° 2 | 7°54 | T 25 |
| F 26 | 12 16 9 | 5°43'54 | 20°29 | 9°18 | 22° 9 | 16°41 | 15°56 | 21°38 | 18°55 | 21°39 | 20°27 | 21°48 | 23°13 | 24° 8 | 7°57 | F 26 |
| S 27 | 12 20 6 | 6°43'50 | 3♌58 | 11°16 | 23°23 | 16°21 | 15°52 | 21°41 | 18°55 | 21°41 | 20°27 | 21°45 | 23°10 | 24°15 | 7°59 | S 27 |
| S 28 | 12 24 2 | 7°43'44 | 17°13 | 13°14 | 24°37 | 16° 2 | 15°47 | 21°45 | 18°55 | 21°43 | 20°27 | 21°40 | 23° 7 | 24°22 | 8° 1 | S 28 |
| M29 | 12 27 59 | 8°43'35 | 0♍15 | 15°12 | 25°52 | 15°44 | 15°42 | 21°48 | 18°55 | 21°44 | 20°27 | 21°33 | 23° 3 | 24°28 | 8° 3 | M29 |
| T 30 | 12 31 55 | 9°43'25 | 13° 4 | 17°11 | 27° 6 | 15°26 | 15°38 | 21°51 | 18°54 | 21°46 | 20°26 | 21°26 | 23° 0 | 24°35 | 8° 4 | T 30 |
| W31 | 12 35 52 | 10♈43'12 | 25♍41 | 19♈ 9 | 28♈21 | 15♍ 9 | 15♏32 | 21♉54 | 18♐54 | 21♒48 | 20♐26 | 21♉18 | 22♉57 | 24♏42 | 8♉ 6 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7s33 | 19n18 | 5n 1 | 14s51 | 1s52 | 4s54 | 1s27 | 5n21 | 4n10 | 15s31 | 1n19 | 21s12 | 0n40 | 22s47 | 0n 3 | 14s25 | 0n 4 | 10s44 | 12n15 | 18n37 | 18n48 | 17s44 | 17s 3 | 6n 6 |
| T 2 | 7 10 | 14 40 | 4 57 | 14 22 | 1 56 | 4 25 | 1 27 | 5 30 | 4 10 | 15 31 | 1 19 | 21 11 | 0 40 | 22 47 | 0 3 | 14 24 | 0 4 | 10 44 | 12 16 | 18 34 | 18 48 | 17 47 | 17 3 | 6 7 |
| W 3 | 6 47 | 9 27 | 4 37 | 13 52 | 1 59 | 3 55 | 1 27 | 5 39 | 4 10 | 15 31 | 1 19 | 21 10 | 0 40 | 22 47 | 0 3 | 14 23 | 0 4 | 10 44 | 12 16 | 18 30 | 18 47 | 17 49 | 17 2 | 6 7 |
| T 4 | 6 24 | 3 56 | 4 4 | 13 21 | 2 1 | 3 25 | 1 26 | 5 47 | 4 11 | 15 31 | 1 19 | 21 10 | 0 40 | 22 47 | 0 3 | 14 23 | 0 4 | 10 43 | 12 16 | 18 28 | 18 46 | 17 52 | 17 1 | 6 8 |
| F 5 | 6 1 | 1s37 | 3 19 | 12 48 | 2 4 | 2 54 | 1 26 | 5 56 | 4 11 | 15 30 | 1 19 | 21 9 | 0 40 | 22 47 | 0 3 | 14 22 | 0 4 | 10 43 | 12 17 | 18 25 | 18 45 | 17 54 | 17 0 | 6 8 |
| S 6 | 5 38 | 7 2 | 2 26 | 12 15 | 2 6 | 2 24 | 1 25 | 6 5 | 4 10 | 15 30 | 1 20 | 21 8 | 0 40 | 22 48 | 0 3 | 14 21 | 0 4 | 10 43 | 12 17 | 18 24 | 18 44 | 17 57 | 16 59 | 6 9 |
| S 7 | 5 14 | 12 7 | 1 28 | 11 40 | 2 7 | 1 54 | 1 24 | 6 14 | 4 10 | 15 29 | 1 20 | 21 8 | 0 40 | 22 48 | 0 3 | 14 21 | 0 4 | 10 42 | 12 17 | 18 23 | 18 44 | 17 59 | 16 58 | 6 10 |
| M 8 | 4 51 | 16 41 | 0 26 | 11 5 | 2 8 | 1 24 | 1 23 | 6 23 | 4 10 | 15 29 | 1 20 | 21 7 | 0 40 | 22 48 | 0 3 | 14 20 | 0 4 | 10 42 | 12 18 | 18 22 | 18 43 | 18 2 | 16 58 | 6 10 |
| T 9 | 4 28 | 20 36 | 0s37 | 10 28 | 2 9 | 0 53 | 1 23 | 6 32 | 4 9 | 15 28 | 1 20 | 21 6 | 0 40 | 22 48 | 0 3 | 14 19 | 0 4 | 10 42 | 12 18 | 18 22 | 18 42 | 18 4 | 16 57 | 6 11 |
| W10 | 4 4 | 23 41 | 1 39 | 9 50 | 2 10 | 0 23 | 1 22 | 6 41 | 4 9 | 15 28 | 1 20 | 21 5 | 0 40 | 22 48 | 0 3 | 14 19 | 0 4 | 10 42 | 12 18 | 18 22 | 18 41 | 18 7 | 16 56 | 6 12 |
| T 11 | 3 40 | 25 46 | 2 37 | 9 11 | 2 10 | 0n 8 | 1 21 | 6 49 | 4 8 | 15 27 | 1 21 | 21 5 | 0 40 | 22 48 | 0 3 | 14 18 | 0 4 | 10 41 | 12 19 | 18 23 | 18 41 | 18 10 | 16 55 | 6 12 |
| F 12 | 3 17 | 26 40 | 3 28 | 8 31 | 2 9 | 0 38 | 1 20 | 6 58 | 4 8 | 15 26 | 1 21 | 21 4 | 0 40 | 22 48 | 0 3 | 14 17 | 0 4 | 10 41 | 12 19 | 18 22 | 18 40 | 18 12 | 16 54 | 6 13 |
| S 13 | 2 53 | 26 16 | 4 11 | 7 50 | 2 8 | 1 9 | 1 19 | 7 7 | 4 7 | 15 26 | 1 21 | 21 3 | 0 40 | 22 48 | 0 3 | 14 17 | 0 4 | 10 41 | 12 19 | 18 21 | 18 39 | 18 15 | 16 53 | 6 14 |
| S 14 | 2 29 | 24 30 | 4 44 | 7 8 | 2 7 | 1 39 | 1 18 | 7 15 | 4 6 | 15 25 | 1 21 | 21 3 | 0 40 | 22 48 | 0 3 | 14 16 | 0 4 | 10 40 | 12 20 | 18 20 | 18 38 | 18 17 | 16 52 | 6 15 |
| M15 | 2 6 | 21 23 | 5 2 | 6 24 | 2 5 | 2 10 | 1 16 | 7 24 | 4 5 | 15 24 | 1 21 | 21 2 | 0 40 | 22 48 | 0 3 | 14 15 | 0 4 | 10 40 | 12 20 | 18 18 | 18 37 | 18 20 | 16 52 | 6 15 |
| T 16 | 1 42 | 17 3 | 5 4 | 5 40 | 2 3 | 2 40 | 1 15 | 7 32 | 4 4 | 15 23 | 1 22 | 21 2 | 0 40 | 22 48 | 0 3 | 14 15 | 0 4 | 10 40 | 12 20 | 18 16 | 18 37 | 18 22 | 16 51 | 6 16 |
| W17 | 1 18 | 11 42 | 4 49 | 4 55 | 2 0 | 3 10 | 1 14 | 7 40 | 4 2 | 15 22 | 1 22 | 21 1 | 0 40 | 22 48 | 0 3 | 14 14 | 0 4 | 10 39 | 12 21 | 18 13 | 18 36 | 18 25 | 16 50 | 6 17 |
| T 18 | 0 54 | 5 36 | 4 15 | 4 8 | 1 57 | 3 41 | 1 13 | 7 48 | 4 1 | 15 21 | 1 22 | 21 0 | 0 40 | 22 48 | 0 3 | 14 14 | 0 4 | 10 39 | 12 21 | 18 11 | 18 35 | 18 27 | 16 49 | 6 17 |
| F 19 | 0 30 | 0n55 | 3 24 | 3 21 | 1 53 | 4 11 | 1 11 | 7 56 | 4 0 | 15 20 | 1 22 | 21 0 | 0 40 | 22 48 | 0 3 | 14 13 | 0 4 | 10 39 | 12 21 | 18 9 | 18 34 | 18 30 | 16 48 | 6 18 |
| S 20 | 0 7 | 7 27 | 2 19 | 2 33 | 1 49 | 4 41 | 1 10 | 8 3 | 3 58 | 15 19 | 1 22 | 20 59 | 0 40 | 22 48 | 0 3 | 14 12 | 0 4 | 10 38 | 12 22 | 18 8 | 18 33 | 18 32 | 16 47 | 6 19 |
| S 21 | 0n17 | 13 35 | 1 5 | 1 44 | 1 44 | 5 11 | 1 8 | 8 11 | 3 57 | 15 18 | 1 22 | 20 58 | 0 40 | 22 48 | 0 3 | 14 12 | 0 4 | 10 38 | 12 22 | 18 7 | 18 33 | 18 35 | 16 46 | 6 19 |
| M22 | 0 41 | 18 56 | 0n13 | 0 54 | 1 39 | 5 41 | 1 6 | 8 18 | 3 55 | 15 17 | 1 23 | 20 58 | 0 40 | 22 48 | 0 3 | 14 11 | 0 4 | 10 38 | 12 22 | 18 7 | 18 32 | 18 37 | 16 46 | 6 20 |
| T 23 | 1 5 | 23 6 | 1 30 | 0 3 | 1 33 | 6 11 | 1 5 | 8 25 | 3 53 | 15 16 | 1 23 | 20 57 | 0 40 | 22 48 | 0 3 | 14 11 | 0 4 | 10 37 | 12 23 | 18 7 | 18 31 | 18 40 | 16 45 | 6 21 |
| W24 | 1 29 | 25 46 | 2 40 | 0n49 | 1 27 | 6 41 | 1 3 | 8 31 | 3 52 | 15 14 | 1 23 | 20 57 | 0 40 | 22 48 | 0 3 | 14 10 | 0 4 | 10 37 | 12 23 | 18 7 | 18 30 | 18 42 | 16 44 | 6 22 |
| T 25 | 1 52 | 26 47 | 3 39 | 1 41 | 1 20 | 7 10 | 1 1 | 8 38 | 3 50 | 15 13 | 1 23 | 20 56 | 0 40 | 22 48 | 0 3 | 14 9 | 0 4 | 10 37 | 12 23 | 18 7 | 18 30 | 18 45 | 16 43 | 6 22 |
| F 26 | 2 16 | 26 7 | 4 24 | 2 34 | 1 12 | 7 39 | 1 0 | 8 44 | 3 48 | 15 12 | 1 23 | 20 56 | 0 40 | 22 48 | 0 3 | 14 9 | 0 4 | 10 36 | 12 24 | 18 7 | 18 29 | 18 47 | 16 42 | 6 23 |
| S 27 | 2 40 | 23 56 | 4 54 | 3 27 | 1 4 | 8 9 | 0 58 | 8 49 | 3 46 | 15 10 | 1 23 | 20 55 | 0 40 | 22 48 | 0 3 | 14 8 | 0 4 | 10 36 | 12 24 | 18 6 | 18 28 | 18 50 | 16 41 | 6 24 |
| S 28 | 3 3 | 20 29 | 5 8 | 4 21 | 0 55 | 8 38 | 0 56 | 8 55 | 3 44 | 15 9 | 1 24 | 20 55 | 0 40 | 22 48 | 0 3 | 14 8 | 0 4 | 10 36 | 12 24 | 18 5 | 18 27 | 18 52 | 16 40 | 6 25 |
| M29 | 3 27 | 16 5 | 5 5 | 5 15 | 0 46 | 9 6 | 0 54 | 9 0 | 3 42 | 15 7 | 1 24 | 20 54 | 0 40 | 22 48 | 0 3 | 14 7 | 0 4 | 10 35 | 12 25 | 18 3 | 18 26 | 18 55 | 16 40 | 6 25 |
| T 30 | 3 50 | 11 3 | 4 47 | 6 9 | 0 37 | 9 35 | 0 52 | 9 5 | 3 39 | 15 6 | 1 24 | 20 54 | 0 40 | 22 48 | 0 3 | 14 7 | 0 4 | 10 35 | 12 25 | 18 1 | 18 26 | 18 57 | 16 39 | 6 26 |
| W31 | 4n13 | 5n37 | 4n16 | 7n 3 | 0s27 | 10n 3 | 0s50 | 9n10 | 3n37 | 15s 4 | 1n24 | 20s53 | 0n40 | 22s48 | 0n 3 | 14s 6 | 0n 4 | 10s35 | 12n25 | 17n59 | 18n25 | 19s 0 | 16s38 | 6n27 |

Julian Day Number = 2813194.5, Delta T = 53m48s
Ecliptic obliquity = 23°18'45, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'05, Lahiri = 37°43'05


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# ASTRODIENST EPHEMERIS for the year 2990
# geocentric

## APRIL 2990 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 39 48 | 11♈42'58 | 8♎ 6 | 21♈ 7 | 29♈35 | 14°R53 | 15°R27 | 21♑57 | 18°R53 | 21♒49 | 20°R26 | 21°R11 | 22♉54 | 24♏48 | 8♑ 8 | T 1 |
| F 2 | 12 43 45 | 12°42'41 | 20°20 | 23° 4 | 0♉49 | 14♍37 | 15♏22 | 22° 0 | 18♐53 | 21°51 | 20♐26 | 21♉ 6 | 22°51 | 24°55 | 8° 9 | F 2 |
| S 3 | 12 47 41 | 13°42'23 | 2♏24 | 25° 0 | 2° 4 | 14°22 | 15°16 | 22° 3 | 18°52 | 21°53 | 20°25 | 21° 2 | 22°48 | 25° 2 | 8°11 | S 3 |
| S 4 | 12 51 38 | 14°42'03 | 14°19 | 26°55 | 3°18 | 14° 7 | 15°11 | 22° 5 | 18°52 | 21°54 | 20°25 | 21° 0 | 22°44 | 25° 8 | 8°12 | S 4 |
| M 5 | 12 55 35 | 15°41'41 | 26° 8 | 28°48 | 4°32 | 13°54 | 15° 5 | 22° 8 | 18°51 | 21°56 | 20°24 | 21°D 0 | 22°41 | 25°15 | 8°13 | M 5 |
| T 6 | 12 59 31 | 16°41'17 | 7♐56 | 0♉38 | 5°46 | 13°41 | 14°59 | 22°10 | 18°51 | 21°57 | 20°24 | 21° 1 | 22°38 | 25°21 | 8°14 | T 6 |
| W 7 | 13 3 28 | 17°40'52 | 19°44 | 2°26 | 7° 1 | 13°29 | 14°53 | 22°13 | 18°50 | 21°59 | 20°24 | 21° 3 | 22°35 | 25°28 | 8°16 | W 7 |
| T 8 | 13 7 24 | 18°40'25 | 1♑39 | 4°11 | 8°15 | 13°17 | 14°47 | 22°15 | 18°49 | 22° 0 | 20°23 | 21° 5 | 22°32 | 25°35 | 8°16 | T 8 |
| F 9 | 13 11 21 | 19°39'56 | 13°44 | 5°52 | 9°29 | 13° 7 | 14°41 | 22°17 | 18°48 | 22° 2 | 20°22 | 21° 6 | 22°29 | 25°41 | 8°17 | F 9 |
| S 10 | 13 15 17 | 20°39'26 | 26° 5 | 7°29 | 10°43 | 12°57 | 14°34 | 22°20 | 18°47 | 22° 3 | 20°22 | 21°R 6 | 22°25 | 25°48 | 8°18 | S 10 |
| S 11 | 13 19 14 | 21°38'54 | 8♒46 | 9° 1 | 11°57 | 12°48 | 14°28 | 22°22 | 18°46 | 22° 4 | 20°21 | 21° 5 | 22°22 | 25°55 | 8°19 | S 11 |
| M12 | 13 23 10 | 22°38'20 | 21°52 | 10°29 | 13°11 | 12°39 | 14°21 | 22°24 | 18°45 | 22° 6 | 20°21 | 21° 2 | 22°19 | 26° 1 | 8°19 | M12 |
| T 13 | 13 27 7 | 23°37'44 | 5♓24 | 11°52 | 14°25 | 12°32 | 14°15 | 22°25 | 18°44 | 22° 7 | 20°20 | 20°59 | 22°16 | 26° 8 | 8°20 | T 13 |
| W14 | 13 31 4 | 24°37'07 | 19°24 | 13° 9 | 15°39 | 12°25 | 14° 8 | 22°27 | 18°43 | 22° 8 | 20°19 | 20°55 | 22°13 | 26°15 | 8°20 | W14 |
| T 15 | 13 35 0 | 25°36'27 | 3♈48 | 14°20 | 16°53 | 12°19 | 14° 1 | 22°29 | 18°42 | 22°10 | 20°19 | 20°51 | 22° 9 | 26°21 | 8°20 | T 15 |
| F 16 | 13 38 57 | 26°35'46 | 18°33 | 15°25 | 18° 6 | 12°14 | 13°54 | 22°30 | 18°41 | 22°11 | 20°18 | 20°48 | 22° 6 | 26°28 | 8°21 | F 16 |
| S 17 | 13 42 53 | 27°35'03 | 3♉32 | 16°24 | 19°20 | 12°10 | 13°47 | 22°32 | 18°40 | 22°12 | 20°17 | 20°46 | 22° 3 | 26°35 | 8°R21 | S 17 |
| S 18 | 13 46 50 | 28°34'18 | 18°34 | 17°16 | 20°34 | 12° 6 | 13°40 | 22°33 | 18°38 | 22°13 | 20°16 | 20°D45 | 22° 0 | 26°41 | 8°21 | S 18 |
| M19 | 13 50 46 | 29°33'31 | 3♊33 | 18° 2 | 21°48 | 12° 3 | 13°32 | 22°34 | 18°37 | 22°14 | 20°15 | 20°46 | 21°57 | 26°48 | 8°21 | M19 |
| T 20 | 13 54 43 | 0♉32'42 | 18°20 | 18°41 | 23° 2 | 12° 1 | 13°25 | 22°36 | 18°36 | 22°15 | 20°14 | 20°47 | 21°54 | 26°54 | 8°20 | T 20 |
| W21 | 13 58 39 | 1°31'50 | 2♋49 | 19°12 | 24°15 | 12° 0 | 13°18 | 22°37 | 18°34 | 22°17 | 20°13 | 20°48 | 21°50 | 27° 1 | 8°20 | W21 |
| T 22 | 14 2 36 | 2°30'57 | 16°58 | 19°37 | 25°29 | 11°D59 | 13°10 | 22°38 | 18°33 | 22°18 | 20°13 | 20°49 | 21°47 | 27° 8 | 8°20 | T 22 |
| F 23 | 14 6 33 | 3°30'01 | 0♌45 | 19°55 | 26°42 | 12° 0 | 13° 3 | 22°38 | 18°31 | 22°19 | 20°12 | 20°R50 | 21°44 | 27°14 | 8°19 | F 23 |
| S 24 | 14 10 29 | 4°29'03 | 14°11 | 20° 7 | 27°56 | 12° 1 | 12°55 | 22°39 | 18°30 | 22°20 | 20°11 | 20°49 | 21°41 | 27°21 | 8°19 | S 24 |
| S 25 | 14 14 26 | 5°28'02 | 27°17 | 20°R11 | 29° 9 | 12° 2 | 12°48 | 22°40 | 18°28 | 22°21 | 20°10 | 20°48 | 21°38 | 27°28 | 8°18 | S 25 |
| M26 | 14 18 22 | 6°26'59 | 10♍ 5 | 20° 9 | 0♊23 | 12° 5 | 12°40 | 22°40 | 18°27 | 22°22 | 20° 9 | 20°47 | 21°35 | 27°34 | 8°17 | M26 |
| T 27 | 14 22 19 | 7°25'54 | 22°38 | 20° 0 | 1°36 | 12° 8 | 12°33 | 22°41 | 18°25 | 22°23 | 20° 7 | 20°45 | 21°31 | 27°41 | 8°16 | T 27 |
| W28 | 14 26 15 | 8°24'47 | 4♎58 | 19°46 | 2°50 | 12°12 | 12°25 | 22°41 | 18°23 | 22°23 | 20° 6 | 20°43 | 21°28 | 27°48 | 8°15 | W28 |
| T 29 | 14 30 12 | 9°23'37 | 17° 8 | 19°26 | 4° 3 | 12°16 | 12°17 | 22°42 | 18°22 | 22°24 | 20° 5 | 20°41 | 21°25 | 27°54 | 8°14 | T 29 |
| F 30 | 14 34 8 | 10♉22'26 | 29♎ 9 | 19♉ 1 | 5♊16 | 12♍21 | 12♏10 | 22♑42 | 18♐20 | 22♒25 | 20♐ 4 | 20♉40 | 21♉22 | 28♏ 1 | 8♑13 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4n37 | 0n 3 | 3n32 | 7n57 | 0s16 | 10n31 | 0s48 | 9n14 | 3n35 | 15s 2 | 1n24 | 20s53 | 0n40 | 22s48 | 0n 3 | 14s 6 | 0n 4 | 10s34 | 12n26 | 17n58 | 18n24 | 19s 2 | 16s37 | 6n27 |
| F 2 | 5 0 | 5s27 | 2 39 | 8 51 | 0 5 | 10 59 | 0 45 | 9 18 | 3 33 | 15 1 | 1 24 | 20 52 | 0 40 | 22 48 | 0 3 | 14 5 | 0 4 | 10 34 | 12 26 | 17 56 | 18 23 | 19 5 | 16 36 | 6 28 |
| S 3 | 5 23 | 10 41 | 1 40 | 9 44 | 0n 6 | 11 27 | 0 43 | 9 21 | 3 30 | 14 59 | 1 24 | 20 52 | 0 40 | 22 48 | 0 3 | 14 5 | 0 4 | 10 34 | 12 26 | 17 55 | 18 22 | 19 7 | 16 35 | 6 29 |
| S 4 | 5 46 | 15 28 | 0 36 | 10 36 | 0 18 | 11 54 | 0 41 | 9 25 | 3 28 | 14 57 | 1 24 | 20 51 | 0 40 | 22 48 | 0 3 | 14 4 | 0 4 | 10 33 | 12 27 | 17 55 | 18 22 | 19 9 | 16 35 | 6 30 |
| M 5 | 6 9 | 19 38 | 0s28 | 11 27 | 0 30 | 12 21 | 0 39 | 9 28 | 3 25 | 14 56 | 1 25 | 20 51 | 0 40 | 22 48 | 0 3 | 14 4 | 0 4 | 10 33 | 12 27 | 17 55 | 18 21 | 19 12 | 16 34 | 6 30 |
| T 6 | 6 32 | 23 1 | 1 31 | 12 17 | 0 42 | 12 48 | 0 37 | 9 31 | 3 23 | 14 54 | 1 25 | 20 51 | 0 40 | 22 48 | 0 3 | 14 3 | 0 4 | 10 33 | 12 27 | 17 55 | 18 20 | 19 14 | 16 33 | 6 31 |
| W 7 | 6 54 | 25 25 | 2 31 | 13 6 | 0 54 | 13 15 | 0 34 | 9 33 | 3 20 | 14 52 | 1 25 | 20 50 | 0 40 | 22 48 | 0 3 | 14 3 | 0 4 | 10 32 | 12 27 | 17 56 | 18 19 | 19 17 | 16 32 | 6 32 |
| T 8 | 7 17 | 26 43 | 3 24 | 13 53 | 1 6 | 13 41 | 0 32 | 9 35 | 3 18 | 14 50 | 1 25 | 20 50 | 0 40 | 22 48 | 0 3 | 14 2 | 0 4 | 10 32 | 12 28 | 17 56 | 18 18 | 19 19 | 16 31 | 6 33 |
| F 9 | 7 39 | 26 45 | 4 10 | 14 38 | 1 18 | 14 7 | 0 29 | 9 37 | 3 15 | 14 48 | 1 25 | 20 50 | 0 40 | 22 48 | 0 3 | 14 2 | 0 4 | 10 32 | 12 28 | 17 56 | 18 18 | 19 22 | 16 31 | 6 33 |
| S 10 | 8 2 | 25 29 | 4 45 | 15 21 | 1 30 | 14 32 | 0 27 | 9 38 | 3 13 | 14 46 | 1 25 | 20 49 | 0 40 | 22 48 | 0 3 | 14 1 | 0 4 | 10 31 | 12 28 | 17 56 | 18 17 | 19 24 | 16 30 | 6 34 |
| S 11 | 8 24 | 22 54 | 5 7 | 16 2 | 1 41 | 14 57 | 0 24 | 9 39 | 3 10 | 14 44 | 1 25 | 20 49 | 0 40 | 22 48 | 0 3 | 14 1 | 0 4 | 10 31 | 12 29 | 17 56 | 18 16 | 19 27 | 16 29 | 6 35 |
| M12 | 8 46 | 19 6 | 5 14 | 16 40 | 1 53 | 15 22 | 0 22 | 9 40 | 3 8 | 14 42 | 1 25 | 20 49 | 0 40 | 22 48 | 0 3 | 14 1 | 0 4 | 10 31 | 12 29 | 17 55 | 18 15 | 19 29 | 16 28 | 6 36 |
| T 13 | 9 8 | 14 12 | 5 4 | 17 16 | 2 3 | 15 46 | 0 19 | 9 41 | 3 5 | 14 40 | 1 25 | 20 48 | 0 40 | 22 48 | 0 3 | 14 0 | 0 4 | 10 30 | 12 29 | 17 54 | 18 14 | 19 31 | 16 27 | 6 36 |
| W14 | 9 29 | 8 25 | 4 36 | 17 49 | 2 13 | 16 10 | 0 17 | 9 41 | 3 3 | 14 38 | 1 25 | 20 48 | 0 40 | 22 48 | 0 3 | 14 0 | 0 4 | 10 30 | 12 29 | 17 53 | 18 13 | 19 34 | 16 27 | 6 37 |
| T 15 | 9 51 | 2 1 | 3 50 | 18 20 | 2 23 | 16 34 | 0 14 | 9 41 | 3 0 | 14 36 | 1 25 | 20 48 | 0 40 | 22 47 | 0 3 | 13 59 | 0 4 | 10 30 | 12 30 | 17 52 | 18 13 | 19 36 | 16 26 | 6 38 |
| F 16 | 10 12 | 4n38 | 2 48 | 18 47 | 2 32 | 16 57 | 0 12 | 9 40 | 2 58 | 14 34 | 1 25 | 20 48 | 0 40 | 22 47 | 0 3 | 13 59 | 0 4 | 10 29 | 12 30 | 17 52 | 18 12 | 19 39 | 16 25 | 6 39 |
| S 17 | 10 34 | 11 9 | 1 34 | 19 12 | 2 39 | 17 20 | 0 9 | 9 40 | 2 55 | 14 32 | 1 25 | 20 47 | 0 40 | 22 47 | 0 3 | 13 59 | 0 4 | 10 29 | 12 30 | 17 51 | 18 11 | 19 41 | 16 24 | 6 39 |
| S 18 | 10 55 | 17 4 | 0 12 | 19 33 | 2 46 | 17 42 | 0 6 | 9 39 | 2 53 | 14 30 | 1 26 | 20 47 | 0 40 | 22 47 | 0 3 | 13 58 | 0 4 | 10 29 | 12 31 | 17 51 | 18 10 | 19 43 | 16 24 | 6 40 |
| M19 | 11 15 | 21 54 | 1n10 | 19 52 | 2 52 | 18 4 | 0 4 | 9 37 | 2 50 | 14 27 | 1 26 | 20 47 | 0 40 | 22 47 | 0 3 | 13 58 | 0 4 | 10 28 | 12 31 | 17 51 | 18 9 | 19 46 | 16 23 | 6 41 |
| T 20 | 11 36 | 25 14 | 2 26 | 20 7 | 2 57 | 18 25 | 0 1 | 9 36 | 2 47 | 14 25 | 1 26 | 20 47 | 0 40 | 22 47 | 0 3 | 13 57 | 0 4 | 10 28 | 12 31 | 17 51 | 18 9 | 19 48 | 16 22 | 6 42 |
| W21 | 11 57 | 26 49 | 3 32 | 20 20 | 3 1 | 18 46 | 0n 2 | 9 34 | 2 45 | 14 23 | 1 26 | 20 47 | 0 40 | 22 47 | 0 3 | 13 57 | 0 4 | 10 28 | 12 31 | 17 52 | 18 8 | 19 51 | 16 22 | 6 42 |
| T 22 | 12 17 | 26 35 | 4 23 | 20 29 | 3 3 | 19 6 | 0 4 | 9 32 | 2 42 | 14 21 | 1 26 | 20 46 | 0 40 | 22 47 | 0 3 | 13 57 | 0 4 | 10 28 | 12 32 | 17 52 | 18 7 | 19 53 | 16 21 | 6 43 |
| F 23 | 12 37 | 24 43 | 4 57 | 20 35 | 3 4 | 19 26 | 0 7 | 9 29 | 2 40 | 14 19 | 1 26 | 20 46 | 0 40 | 22 47 | 0 3 | 13 56 | 0 4 | 10 27 | 12 32 | 17 52 | 18 6 | 19 55 | 16 20 | 6 44 |
| S 24 | 12 57 | 21 30 | 5 14 | 20 37 | 3 4 | 19 45 | 0 10 | 9 27 | 2 37 | 14 16 | 1 26 | 20 46 | 0 40 | 22 47 | 0 3 | 13 56 | 0 4 | 10 27 | 12 32 | 17 52 | 18 5 | 19 58 | 16 20 | 6 44 |
| S 25 | 13 17 | 17 16 | 5 14 | 20 37 | 3 2 | 20 4 | 0 13 | 9 24 | 2 35 | 14 14 | 1 26 | 20 46 | 0 40 | 22 46 | 0 3 | 13 56 | 0 4 | 10 27 | 12 32 | 17 52 | 18 5 | 20 0 | 16 19 | 6 45 |
| M26 | 13 36 | 12 21 | 4 59 | 20 33 | 2 59 | 20 22 | 0 15 | 9 21 | 2 33 | 14 12 | 1 26 | 20 46 | 0 40 | 22 46 | 0 3 | 13 56 | 0 4 | 10 26 | 12 32 | 17 51 | 18 4 | 20 2 | 16 18 | 6 46 |
| T 27 | 13 55 | 7 2 | 4 29 | 20 26 | 2 54 | 20 40 | 0 18 | 9 17 | 2 30 | 14 10 | 1 26 | 20 46 | 0 40 | 22 46 | 0 3 | 13 55 | 0 4 | 10 26 | 12 33 | 17 51 | 18 3 | 20 5 | 16 18 | 6 47 |
| W28 | 14 14 | 1 31 | 3 47 | 20 16 | 2 48 | 20 57 | 0 21 | 9 14 | 2 28 | 14 7 | 1 26 | 20 46 | 0 40 | 22 46 | 0 3 | 13 55 | 0 4 | 10 26 | 12 33 | 17 50 | 18 2 | 20 7 | 16 17 | 6 47 |
| T 29 | 14 33 | 3s59 | 2 55 | 20 4 | 2 40 | 21 14 | 0 24 | 9 10 | 2 25 | 14 5 | 1 26 | 20 46 | 0 40 | 22 46 | 0 3 | 13 55 | 0 4 | 10 25 | 12 33 | 17 50 | 18 1 | 20 9 | 16 16 | 6 48 |
| F 30 | 14n51 | 9s18 | 1n57 | 19n48 | 2n31 | 21n30 | 0n26 | 9n 6 | 2n23 | 14s 3 | 1n26 | 20s46 | 0n40 | 22s46 | 0n 3 | 13s54 | 0n 4 | 10s25 | 12n33 | 17n50 | 18n 0 | 20s12 | 16s16 | 6n49 |

Julian Day Number = 2813225.5, Delta T = 53m49s
Ecliptic obliquity = 23°18'46, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'09, Lahiri = 37°43'09


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# ASTRODIENST EPHEMERIS for the year 2990
# geocentric

## MAY 2990 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 38 5 | 11♉21'13 | 11♏ 4 | 18°R31 | 6♊30 | 12♍27 | 12°R 2 | 22°R42 | 18°R18 | 22♒26 | 20°R 3 | 20°R40 | 21♉19 | 28♏ 8 | 8°R12 | S 1 |
| S 2 | 14 42 1 | 12°19'57 | 22°54 | 17♉58 | 7°43 | 12°33 | 11♏54 | 22♑42 | 18♐16 | 22°27 | 20♐ 2 | 20°D39 | 21°15 | 28°14 | 8♑10 | S 2 |
| M 3 | 14 45 58 | 13°18'40 | 4♐42 | 17°21 | 8°56 | 12°40 | 11°47 | 22°42 | 18°14 | 22°27 | 20° 1 | 20♉40 | 21°12 | 28°21 | 8° 9 | M 3 |
| T 4 | 14 49 55 | 14°17'21 | 16°30 | 16°41 | 10° 9 | 12°48 | 11°39 | 22°41 | 18°13 | 22°28 | 19°59 | 20°40 | 21° 9 | 28°28 | 8° 8 | T 4 |
| W 5 | 14 53 51 | 15°16'01 | 28°21 | 16° 0 | 11°22 | 12°56 | 11°31 | 22°41 | 18°11 | 22°29 | 19°58 | 20°41 | 21° 6 | 28°34 | 8° 6 | W 5 |
| T 6 | 14 57 48 | 16°14'39 | 10♑19 | 15°18 | 12°35 | 13° 5 | 11°24 | 22°41 | 18° 9 | 22°29 | 19°57 | 20°41 | 21° 3 | 28°41 | 8° 4 | T 6 |
| F 7 | 15 1 44 | 17°13'15 | 22°26 | 14°36 | 13°48 | 13°15 | 11°16 | 22°40 | 18° 7 | 22°30 | 19°56 | 20°42 | 21° 0 | 28°47 | 8° 3 | F 7 |
| S 8 | 15 5 41 | 18°11'49 | 4♒47 | 13°54 | 15° 1 | 13°25 | 11° 9 | 22°40 | 18° 5 | 22°30 | 19°54 | 20°42 | 20°56 | 28°54 | 8° 1 | S 8 |
| S 9 | 15 9 37 | 19°10'22 | 17°26 | 13°14 | 16°14 | 13°35 | 11° 1 | 22°39 | 18° 3 | 22°31 | 19°53 | 20°R42 | 20°53 | 29° 1 | 7°59 | S 9 |
| M10 | 15 13 34 | 20° 8'53 | 0♓26 | 12°36 | 17°27 | 13°46 | 10°53 | 22°38 | 18° 0 | 22°31 | 19°52 | 20°42 | 20°50 | 29° 7 | 7°57 | M10 |
| T 11 | 15 17 31 | 21° 7'23 | 13°51 | 12° 0 | 18°40 | 13°58 | 10°46 | 22°37 | 17°58 | 22°32 | 19°50 | 20°D42 | 20°47 | 29°14 | 7°55 | T 11 |
| W12 | 15 21 27 | 22° 5'51 | 27°42 | 11°28 | 19°52 | 14°10 | 10°38 | 22°36 | 17°56 | 22°32 | 19°49 | 20°42 | 20°44 | 29°21 | 7°52 | W12 |
| T 13 | 15 25 24 | 23° 4'17 | 12♈ 0 | 10°59 | 21° 5 | 14°23 | 10°31 | 22°35 | 17°54 | 22°33 | 19°47 | 20°42 | 20°40 | 29°27 | 7°50 | T 13 |
| F 14 | 15 29 20 | 24° 2'42 | 26°41 | 10°34 | 22°18 | 14°36 | 10°24 | 22°34 | 17°52 | 22°33 | 19°46 | 20°43 | 20°37 | 29°34 | 7°48 | F 14 |
| S 15 | 15 33 17 | 25° 1'05 | 11♉41 | 10°14 | 23°30 | 14°50 | 10°16 | 22°33 | 17°50 | 22°33 | 19°45 | 20°43 | 20°34 | 29°41 | 7°45 | S 15 |
| S 16 | 15 37 13 | 25°59'27 | 26°51 | 9°58 | 24°43 | 15° 4 | 10° 9 | 22°31 | 17°47 | 22°34 | 19°43 | 20°R43 | 20°31 | 29°47 | 7°43 | S 16 |
| M17 | 15 41 10 | 26°57'47 | 12♊ 2 | 9°47 | 25°55 | 15°19 | 10° 2 | 22°30 | 17°45 | 22°34 | 19°42 | 20°43 | 20°28 | 29°54 | 7°40 | M17 |
| T 18 | 15 45 6 | 27°56'05 | 27° 6 | 9°40 | 27° 8 | 15°34 | 9°55 | 22°28 | 17°43 | 22°34 | 19°40 | 20°42 | 20°25 | 0♐ 1 | 7°38 | T 18 |
| W19 | 15 49 3 | 28°54'22 | 11♋52 | 9°D39 | 28°20 | 15°50 | 9°48 | 22°26 | 17°41 | 22°34 | 19°39 | 20°41 | 20°21 | 0° 7 | 7°35 | W19 |
| T 20 | 15 53 0 | 29°52'36 | 26°16 | 9°42 | 29°33 | 16° 6 | 9°41 | 22°25 | 17°38 | 22°35 | 19°37 | 20°40 | 20°18 | 0°14 | 7°32 | T 20 |
| F 21 | 15 56 56 | 0♊50'49 | 10♌14 | 9°49 | 0♋45 | 16°23 | 9°34 | 22°23 | 17°36 | 22°35 | 19°36 | 20°39 | 20°15 | 0°21 | 7°30 | F 21 |
| S 22 | 16 0 53 | 1°48'59 | 23°46 | 10° 2 | 1°57 | 16°40 | 9°28 | 22°21 | 17°33 | 22°35 | 19°34 | 20°39 | 20°12 | 0°27 | 7°27 | S 22 |
| S 23 | 16 4 49 | 2°47'07 | 6♍52 | 10°19 | 3° 9 | 16°58 | 9°21 | 22°19 | 17°31 | 22°35 | 19°33 | 20°D39 | 20° 9 | 0°34 | 7°24 | S 23 |
| M24 | 16 8 46 | 3°45'14 | 19°37 | 10°40 | 4°22 | 17°16 | 9°15 | 22°17 | 17°29 | 22°R35 | 19°31 | 20°39 | 20° 6 | 0°40 | 7°21 | M24 |
| T 25 | 16 12 42 | 4°43'18 | 2♎ 2 | 11° 6 | 5°34 | 17°34 | 9° 8 | 22°15 | 17°26 | 22°35 | 19°29 | 20°40 | 20° 2 | 0°47 | 7°17 | T 25 |
| W26 | 16 16 39 | 5°41'21 | 14°13 | 11°36 | 6°46 | 17°53 | 9° 2 | 22°12 | 17°24 | 22°35 | 19°28 | 20°41 | 19°59 | 0°54 | 7°14 | W26 |
| T 27 | 16 20 35 | 6°39'22 | 26°13 | 12°10 | 7°58 | 18°12 | 8°56 | 22°10 | 17°21 | 22°35 | 19°26 | 20°43 | 19°56 | 1° 0 | 7°11 | T 27 |
| F 28 | 16 24 32 | 7°37'22 | 8♏ 5 | 12°48 | 9°10 | 18°31 | 8°50 | 22° 8 | 17°19 | 22°35 | 19°25 | 20°44 | 19°53 | 1° 7 | 7° 8 | F 28 |
| S 29 | 16 28 29 | 8°35'19 | 19°54 | 13°30 | 10°21 | 18°51 | 8°44 | 22° 5 | 17°16 | 22°35 | 19°23 | 20°R44 | 19°50 | 1°14 | 7° 4 | S 29 |
| S 30 | 16 32 25 | 9°33'15 | 1♐42 | 14°16 | 11°33 | 19°12 | 8°38 | 22° 2 | 17°14 | 22°34 | 19°21 | 20°44 | 19°46 | 1°20 | 7° 1 | S 30 |
| M31 | 16 36 22 | 10♊31'10 | 13♐30 | 15♉ 5 | 12♋45 | 19♍32 | 8♏33 | 22♑ 0 | 17♐12 | 22♒34 | 19♐20 | 20♉42 | 19♉43 | 1♐27 | 6♑58 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n 9 | 14s14 | 0n53 | 19n30 | 2n20 | 21n45 | 0n29 | 9n 1 | 2n20 | 14s 0 | 1n26 | 20s46 | 0n40 | 22s46 | 0n 2 | 13s54 | 0n 4 | 10s25 | 12n34 | 17n49 | 18n 0 | 20s14 | 16s15 | 6n49 |
| S 2 | 15 27 | 18 36 | 0s12 | 19 9 | 2 8 | 22 0 | 0 32 | 8 57 | 2 18 | 13 58 | 1 26 | 20 46 | 0 40 | 22 45 | 0 2 | 13 54 | 0 4 | 10 25 | 12 34 | 17 49 | 17 59 | 20 16 | 16 14 | 6 50 |
| M 3 | 15 45 | 22 14 | 1 17 | 18 46 | 1 55 | 22 15 | 0 35 | 8 52 | 2 16 | 13 56 | 1 26 | 20 46 | 0 39 | 22 45 | 0 2 | 13 54 | 0 4 | 10 24 | 12 34 | 17 49 | 17 58 | 20 19 | 16 14 | 6 51 |
| T 4 | 16 3 | 24 56 | 2 19 | 18 21 | 1 41 | 22 28 | 0 37 | 8 47 | 2 14 | 13 54 | 1 25 | 20 46 | 0 39 | 22 45 | 0 2 | 13 54 | 0 4 | 10 24 | 12 34 | 17 50 | 17 57 | 20 21 | 16 13 | 6 51 |
| W 5 | 16 20 | 26 33 | 3 15 | 17 55 | 1 26 | 22 41 | 0 40 | 8 41 | 2 11 | 13 51 | 1 25 | 20 46 | 0 39 | 22 45 | 0 2 | 13 53 | 0 4 | 10 24 | 12 34 | 17 50 | 17 56 | 20 23 | 16 13 | 6 52 |
| T 6 | 16 37 | 26 57 | 4 2 | 17 27 | 1 10 | 22 54 | 0 43 | 8 36 | 2 9 | 13 49 | 1 25 | 20 46 | 0 39 | 22 45 | 0 2 | 13 53 | 0 4 | 10 24 | 12 34 | 17 50 | 17 55 | 20 26 | 16 12 | 6 53 |
| F 7 | 16 53 | 26 4 | 4 40 | 16 59 | 0 53 | 23 5 | 0 45 | 8 30 | 2 7 | 13 47 | 1 25 | 20 46 | 0 39 | 22 45 | 0 2 | 13 53 | 0 4 | 10 23 | 12 35 | 17 50 | 17 55 | 20 28 | 16 11 | 6 53 |
| S 8 | 17 9 | 23 55 | 5 6 | 16 31 | 0 36 | 23 16 | 0 48 | 8 24 | 2 5 | 13 44 | 1 25 | 20 46 | 0 39 | 22 44 | 0 2 | 13 53 | 0 4 | 10 23 | 12 35 | 17 50 | 17 54 | 20 30 | 16 11 | 6 54 |
| S 9 | 17 25 | 20 34 | 5 17 | 16 2 | 0 19 | 23 27 | 0 51 | 8 18 | 2 2 | 13 42 | 1 25 | 20 46 | 0 39 | 22 44 | 0 2 | 13 53 | 0 4 | 10 23 | 12 35 | 17 50 | 17 53 | 20 33 | 16 10 | 6 55 |
| M10 | 17 41 | 16 9 | 5 13 | 15 34 | 0 2 | 23 37 | 0 53 | 8 12 | 2 0 | 13 40 | 1 25 | 20 47 | 0 39 | 22 44 | 0 2 | 13 52 | 0 4 | 10 23 | 12 35 | 17 50 | 17 52 | 20 35 | 16 10 | 6 55 |
| T 11 | 17 57 | 10 49 | 4 52 | 15 7 | 0s15 | 23 46 | 0 56 | 8 6 | 1 58 | 13 38 | 1 25 | 20 47 | 0 39 | 22 44 | 0 2 | 13 52 | 0 4 | 10 22 | 12 35 | 17 50 | 17 51 | 20 37 | 16 9 | 6 56 |
| W12 | 18 12 | 4 48 | 4 14 | 14 41 | 0 32 | 23 54 | 0 59 | 7 59 | 1 56 | 13 36 | 1 25 | 20 47 | 0 39 | 22 44 | 0 2 | 13 52 | 0 4 | 10 22 | 12 35 | 17 50 | 17 50 | 20 40 | 16 9 | 6 57 |
| T 13 | 18 27 | 1n40 | 3 19 | 14 16 | 0 49 | 24 2 | 1 1 | 7 52 | 1 54 | 13 33 | 1 25 | 20 47 | 0 39 | 22 44 | 0 2 | 13 52 | 0 4 | 10 22 | 12 35 | 17 50 | 17 50 | 20 42 | 16 8 | 6 57 |
| F 14 | 18 41 | 8 13 | 2 10 | 13 53 | 1 5 | 24 9 | 1 4 | 7 45 | 1 52 | 13 31 | 1 25 | 20 47 | 0 39 | 22 43 | 0 2 | 13 52 | 0 4 | 10 22 | 12 35 | 17 50 | 17 49 | 20 44 | 16 8 | 6 58 |
| S 15 | 18 55 | 14 28 | 0 50 | 13 32 | 1 20 | 24 15 | 1 6 | 7 38 | 1 50 | 13 29 | 1 25 | 20 48 | 0 39 | 22 43 | 0 2 | 13 52 | 0 4 | 10 22 | 12 36 | 17 50 | 17 48 | 20 46 | 16 7 | 6 58 |
| S 16 | 19 9 | 19 54 | 0n34 | 13 14 | 1 35 | 24 21 | 1 9 | 7 30 | 1 48 | 13 27 | 1 24 | 20 48 | 0 39 | 22 43 | 0 2 | 13 52 | 0 4 | 10 21 | 12 36 | 17 50 | 17 47 | 20 49 | 16 7 | 6 59 |
| M17 | 19 23 | 24 2 | 1 56 | 12 57 | 1 49 | 24 26 | 1 11 | 7 23 | 1 46 | 13 25 | 1 24 | 20 48 | 0 39 | 22 43 | 0 2 | 13 52 | 0 4 | 10 21 | 12 36 | 17 50 | 17 46 | 20 51 | 16 6 | 7 0 |
| T 18 | 19 36 | 26 25 | 3 9 | 12 43 | 2 2 | 24 30 | 1 14 | 7 15 | 1 44 | 13 23 | 1 24 | 20 48 | 0 39 | 22 43 | 0 2 | 13 52 | 0 4 | 10 21 | 12 36 | 17 50 | 17 45 | 20 53 | 16 6 | 7 0 |
| W19 | 19 49 | 26 54 | 4 8 | 12 30 | 2 14 | 24 34 | 1 16 | 7 7 | 1 42 | 13 21 | 1 24 | 20 49 | 0 39 | 22 42 | 0 2 | 13 52 | 0 4 | 10 21 | 12 36 | 17 50 | 17 45 | 20 55 | 16 6 | 7 1 |
| T 20 | 20 1 | 25 31 | 4 49 | 12 21 | 2 25 | 24 37 | 1 18 | 6 59 | 1 40 | 13 19 | 1 24 | 20 49 | 0 39 | 22 42 | 0 2 | 13 52 | 0 4 | 10 21 | 12 36 | 17 49 | 17 44 | 20 58 | 16 5 | 7 1 |
| F 21 | 20 13 | 22 35 | 5 12 | 12 13 | 2 35 | 24 39 | 1 21 | 6 51 | 1 38 | 13 17 | 1 24 | 20 49 | 0 39 | 22 42 | 0 2 | 13 51 | 0 4 | 10 20 | 12 36 | 17 49 | 17 43 | 21 0 | 16 5 | 7 2 |
| S 22 | 20 25 | 18 30 | 5 17 | 12 8 | 2 45 | 24 41 | 1 23 | 6 43 | 1 36 | 13 15 | 1 24 | 20 50 | 0 39 | 22 42 | 0 2 | 13 51 | 0 4 | 10 20 | 12 36 | 17 49 | 17 42 | 21 2 | 16 4 | 7 2 |
| S 23 | 20 36 | 13 39 | 5 5 | 12 6 | 2 53 | 24 41 | 1 25 | 6 34 | 1 34 | 13 13 | 1 23 | 20 50 | 0 39 | 22 42 | 0 2 | 13 51 | 0 4 | 10 20 | 12 36 | 17 49 | 17 41 | 21 4 | 16 4 | 7 3 |
| M24 | 20 47 | 8 21 | 4 38 | 12 5 | 3 0 | 24 42 | 1 27 | 6 25 | 1 32 | 13 11 | 1 23 | 20 50 | 0 39 | 22 41 | 0 2 | 13 51 | 0 4 | 10 20 | 12 36 | 17 49 | 17 40 | 21 7 | 16 4 | 7 3 |
| T 25 | 20 58 | 2 51 | 3 58 | 12 7 | 3 7 | 24 41 | 1 29 | 6 17 | 1 30 | 13 9 | 1 23 | 20 51 | 0 39 | 22 41 | 0 2 | 13 51 | 0 4 | 10 20 | 12 36 | 17 49 | 17 39 | 21 9 | 16 3 | 7 4 |
| W26 | 21 8 | 2s40 | 3 9 | 12 11 | 3 13 | 24 40 | 1 31 | 6 8 | 1 29 | 13 7 | 1 23 | 20 51 | 0 39 | 22 41 | 0 2 | 13 51 | 0 4 | 10 20 | 12 36 | 17 50 | 17 39 | 21 11 | 16 3 | 7 5 |
| T 27 | 21 18 | 8 1 | 2 12 | 12 16 | 3 17 | 24 38 | 1 33 | 5 59 | 1 27 | 13 6 | 1 23 | 20 52 | 0 39 | 22 41 | 0 2 | 13 52 | 0 4 | 10 20 | 12 36 | 17 50 | 17 38 | 21 13 | 16 3 | 7 5 |
| F 28 | 21 28 | 13 2 | 1 9 | 12 24 | 3 21 | 24 35 | 1 35 | 5 49 | 1 25 | 13 4 | 1 23 | 20 52 | 0 39 | 22 40 | 0 2 | 13 52 | 0 4 | 10 19 | 12 36 | 17 50 | 17 37 | 21 16 | 16 2 | 7 5 |
| S 29 | 21 37 | 17 33 | 0 5 | 12 33 | 3 24 | 24 31 | 1 37 | 5 40 | 1 23 | 13 2 | 1 22 | 20 52 | 0 39 | 22 40 | 0 2 | 13 52 | 0 4 | 10 19 | 12 36 | 17 51 | 17 36 | 21 18 | 16 2 | 7 6 |
| S 30 | 21 46 | 21 22 | 1s 0 | 12 44 | 3 27 | 24 27 | 1 39 | 5 30 | 1 22 | 13 0 | 1 22 | 20 53 | 0 39 | 22 40 | 0 2 | 13 52 | 0 4 | 10 19 | 12 36 | 17 50 | 17 35 | 21 20 | 16 2 | 7 6 |
| M31 | 21n54 | 24s20 | 2s 3 | 12n57 | 3s28 | 24n23 | 1n41 | 5n21 | 1n20 | 12s59 | 1n22 | 20s53 | 0n39 | 22s40 | 0n 2 | 13s52 | 0n 4 | 10s19 | 12n36 | 17n50 | 17n34 | 21s22 | 16s 2 | 7n 7 |

Julian Day Number = 2813255.5, Delta T = 53m49s
Ecliptic obliquity = 23°18'45, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'13, Lahiri = 37°43'13


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# ASTRODIENST EPHEMERIS for the year 2990
# geocentric

## JUNE 2990 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 40 18 | 11♊29'03 | 25♐23 | 15♉57 | 13♋57 | 19♍53 | 8°R27 | 21°R57 | 17°R 9 | 22°R34 | 19°R18 | 20°R40 | 19♉40 | 1♐34 | 6°R54 | T 1 |
| W 2 | 16 44 15 | 12°26'55 | 7♑20 | 16°53 | 15° 8 | 20°14 | 8♏22 | 21♑54 | 17♐ 7 | 22♒34 | 19♐17 | 20♉37 | 19°37 | 1°40 | 6♑51 | W 2 |
| T 3 | 16 48 11 | 13°24'46 | 19°25 | 17°52 | 16°20 | 20°36 | 8°17 | 21°51 | 17° 4 | 22°33 | 19°15 | 20°33 | 19°34 | 1°47 | 6°47 | T 3 |
| F 4 | 16 52 8 | 14°22'35 | 1♒40 | 18°54 | 17°31 | 20°58 | 8°12 | 21°48 | 17° 2 | 22°33 | 19°13 | 20°30 | 19°31 | 1°54 | 6°43 | F 4 |
| S 5 | 16 56 4 | 15°20'23 | 14° 7 | 19°59 | 18°43 | 21°20 | 8° 7 | 21°45 | 16°59 | 22°33 | 19°12 | 20°26 | 19°27 | 2° 0 | 6°40 | S 5 |
| S 6 | 17 0 1 | 16°18'10 | 26°49 | 21° 6 | 19°54 | 21°43 | 8° 2 | 21°42 | 16°57 | 22°32 | 19°10 | 20°24 | 19°24 | 2° 7 | 6°36 | S 6 |
| M 7 | 17 3 58 | 17°15'56 | 9♓48 | 22°17 | 21° 5 | 22° 6 | 7°57 | 21°39 | 16°54 | 22°32 | 19° 8 | 20°23 | 19°21 | 2°14 | 6°32 | M 7 |
| T 8 | 17 7 54 | 18°13'41 | 23° 8 | 23°31 | 22°17 | 22°29 | 7°53 | 21°36 | 16°52 | 22°31 | 19° 7 | 20°D22 | 19°18 | 2°20 | 6°28 | T 8 |
| W 9 | 17 11 51 | 19°11'25 | 6♈49 | 24°47 | 23°28 | 22°53 | 7°48 | 21°32 | 16°49 | 22°31 | 19° 5 | 20°23 | 19°15 | 2°27 | 6°25 | W 9 |
| T 10 | 17 15 47 | 20° 9'07 | 20°54 | 26° 6 | 24°39 | 23°17 | 7°44 | 21°29 | 16°47 | 22°30 | 19° 3 | 20°25 | 19°12 | 2°33 | 6°21 | T 10 |
| F 11 | 17 19 44 | 21° 6'49 | 5♉22 | 27°27 | 25°50 | 23°41 | 7°40 | 21°25 | 16°44 | 22°30 | 19° 2 | 20°26 | 19° 8 | 2°40 | 6°17 | F 11 |
| S 12 | 17 23 40 | 22° 4'30 | 20° 9 | 28°52 | 27° 1 | 24° 5 | 7°36 | 21°22 | 16°42 | 22°29 | 19° 0 | 20°R27 | 19° 5 | 2°47 | 6°13 | S 12 |
| S 13 | 17 27 37 | 23° 2'10 | 5♊10 | 0♊18 | 28°12 | 24°30 | 7°33 | 21°18 | 16°39 | 22°29 | 18°59 | 20°26 | 19° 2 | 2°53 | 6° 9 | S 13 |
| M14 | 17 31 33 | 23°59'50 | 20°18 | 1°47 | 29°23 | 24°55 | 7°29 | 21°15 | 16°37 | 22°28 | 18°57 | 20°24 | 18°59 | 3° 0 | 6° 5 | M14 |
| T 15 | 17 35 30 | 24°57'28 | 5♋23 | 3°19 | 0♌33 | 25°20 | 7°26 | 21°11 | 16°34 | 22°27 | 18°55 | 20°20 | 18°56 | 3° 7 | 6° 1 | T 15 |
| W16 | 17 39 27 | 25°55'04 | 20°16 | 4°54 | 1°44 | 25°46 | 7°23 | 21° 7 | 16°32 | 22°27 | 18°54 | 20°15 | 18°53 | 3°13 | 5°57 | W16 |
| T 17 | 17 43 23 | 26°52'40 | 4♌49 | 6°30 | 2°55 | 26°11 | 7°20 | 21° 4 | 16°29 | 22°26 | 18°52 | 20°10 | 18°49 | 3°20 | 5°53 | T 17 |
| F 18 | 17 47 20 | 27°50'14 | 18°56 | 8°10 | 4° 5 | 26°37 | 7°17 | 21° 0 | 16°27 | 22°25 | 18°50 | 20° 4 | 18°46 | 3°27 | 5°49 | F 18 |
| S 19 | 17 51 16 | 28°47'47 | 2♍35 | 9°51 | 5°16 | 27° 4 | 7°14 | 20°56 | 16°24 | 22°25 | 18°49 | 20° 0 | 18°43 | 3°33 | 5°45 | S 19 |
| S 20 | 17 55 13 | 29°45'19 | 15°46 | 11°36 | 6°26 | 27°30 | 7°12 | 20°52 | 16°22 | 22°24 | 18°47 | 19°58 | 18°40 | 3°40 | 5°41 | S 20 |
| M21 | 17 59 9 | 0♋42'50 | 28°32 | 13°22 | 7°36 | 27°57 | 7° 9 | 20°48 | 16°19 | 22°23 | 18°46 | 19°D57 | 18°37 | 3°47 | 5°37 | M21 |
| T 22 | 18 3 6 | 1°40'19 | 10♎57 | 15°11 | 8°46 | 28°24 | 7° 7 | 20°44 | 16°17 | 22°22 | 18°44 | 19°57 | 18°33 | 3°53 | 5°33 | T 22 |
| W23 | 18 7 3 | 2°37'47 | 23° 5 | 17° 3 | 9°56 | 28°51 | 7° 5 | 20°40 | 16°15 | 22°21 | 18°42 | 19°58 | 18°30 | 4° 0 | 5°28 | W23 |
| T 24 | 18 10 59 | 3°35'14 | 5♏ 1 | 18°57 | 11° 6 | 29°19 | 7° 3 | 20°36 | 16°12 | 22°20 | 18°41 | 20° 0 | 18°27 | 4° 7 | 5°24 | T 24 |
| F 25 | 18 14 56 | 4°32'40 | 16°50 | 20°53 | 12°16 | 29°46 | 7° 2 | 20°32 | 16°10 | 22°19 | 18°39 | 20°R 1 | 18°24 | 4°13 | 5°20 | F 25 |
| S 26 | 18 18 52 | 5°30'05 | 28°37 | 22°51 | 13°26 | 0♎14 | 7° 0 | 20°27 | 16° 8 | 22°18 | 18°38 | 20° 0 | 18°21 | 4°20 | 5°16 | S 26 |
| S 27 | 18 22 49 | 6°27'29 | 10♐25 | 24°52 | 14°36 | 0°42 | 6°59 | 20°23 | 16° 5 | 22°17 | 18°36 | 19°58 | 18°18 | 4°27 | 5°12 | S 27 |
| M28 | 18 26 45 | 7°24'52 | 22°18 | 26°55 | 15°45 | 1°11 | 6°58 | 20°19 | 16° 3 | 22°16 | 18°35 | 19°54 | 18°14 | 4°33 | 5° 8 | M28 |
| T 29 | 18 30 42 | 8°22'14 | 4♑17 | 28°59 | 16°55 | 1°39 | 6°57 | 20°15 | 16° 1 | 22°15 | 18°33 | 19°48 | 18°11 | 4°40 | 5° 4 | T 29 |
| W30 | 18 34 38 | 9♋19'36 | 16♑25 | 1♋ 5 | 18♌ 4 | 2♎ 8 | 6♏57 | 20♑10 | 15♐59 | 22♒14 | 18♐32 | 19♉40 | 18♉ 8 | 4♐46 | 5♑ 0 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n 2 | 26s14 | 3s 0 | 13n11 | 3s29 | 24n17 | 1n42 | 5n11 | 1n18 | 12s57 | 1n22 | 20s54 | 0n39 | 22s40 | 0n 2 | 13s52 | 0n 4 | 10s19 | 12n36 | 17n49 | 17n34 | 21s24 | 16s 1 | 7n 7 |
| W 2 | 22 10 | 26 56 | 3 49 | 13 27 | 3 29 | 24 11 | 1 44 | 5 1 | 1 17 | 12 56 | 1 22 | 20 54 | 0 39 | 22 39 | 0 2 | 13 52 | 0 4 | 10 19 | 12 36 | 17 49 | 17 33 | 21 27 | 16 1 | 7 8 |
| T 3 | 22 17 | 26 21 | 4 29 | 13 44 | 3 28 | 24 4 | 1 46 | 4 51 | 1 15 | 12 54 | 1 21 | 20 55 | 0 39 | 22 39 | 0 2 | 13 52 | 0 4 | 10 19 | 12 36 | 17 48 | 17 32 | 21 29 | 16 1 | 7 8 |
| F 4 | 22 24 | 24 31 | 4 58 | 14 2 | 3 26 | 23 57 | 1 47 | 4 41 | 1 13 | 12 53 | 1 21 | 20 55 | 0 39 | 22 39 | 0 2 | 13 52 | 0 3 | 10 19 | 12 36 | 17 47 | 17 31 | 21 31 | 16 1 | 7 9 |
| S 5 | 22 31 | 21 29 | 5 12 | 14 22 | 3 24 | 23 48 | 1 49 | 4 31 | 1 12 | 12 51 | 1 21 | 20 56 | 0 39 | 22 39 | 0 2 | 13 52 | 0 3 | 10 19 | 12 36 | 17 46 | 17 30 | 21 33 | 16 0 | 7 9 |
| S 6 | 22 37 | 17 24 | 5 12 | 14 42 | 3 21 | 23 40 | 1 50 | 4 21 | 1 10 | 12 50 | 1 21 | 20 56 | 0 39 | 22 38 | 0 2 | 13 52 | 0 3 | 10 19 | 12 36 | 17 45 | 17 29 | 21 35 | 16 0 | 7 9 |
| M 7 | 22 42 | 12 26 | 4 56 | 15 3 | 3 18 | 23 30 | 1 51 | 4 10 | 1 8 | 12 49 | 1 21 | 20 57 | 0 39 | 22 38 | 0 2 | 13 53 | 0 3 | 10 19 | 12 36 | 17 45 | 17 28 | 21 37 | 16 0 | 7 10 |
| T 8 | 22 48 | 6 46 | 4 24 | 15 26 | 3 13 | 23 20 | 1 53 | 3 59 | 1 7 | 12 48 | 1 20 | 20 57 | 0 39 | 22 38 | 0 2 | 13 53 | 0 3 | 10 18 | 12 36 | 17 45 | 17 28 | 21 40 | 16 0 | 7 10 |
| W 9 | 22 52 | 0 38 | 3 37 | 15 49 | 3 9 | 23 9 | 1 54 | 3 49 | 1 5 | 12 46 | 1 20 | 20 58 | 0 38 | 22 38 | 0 2 | 13 53 | 0 3 | 10 18 | 12 36 | 17 45 | 17 27 | 21 42 | 16 0 | 7 10 |
| T 10 | 22 57 | 5n43 | 2 35 | 16 12 | 3 3 | 22 58 | 1 55 | 3 38 | 1 4 | 12 45 | 1 20 | 20 59 | 0 38 | 22 37 | 0 2 | 13 53 | 0 3 | 10 18 | 12 36 | 17 45 | 17 26 | 21 44 | 16 0 | 7 11 |
| F 11 | 23 1 | 11 57 | 1 22 | 16 36 | 2 57 | 22 46 | 1 56 | 3 27 | 1 2 | 12 44 | 1 20 | 20 59 | 0 38 | 22 37 | 0 2 | 13 53 | 0 3 | 10 18 | 12 36 | 17 46 | 17 25 | 21 46 | 15 59 | 7 11 |
| S 12 | 23 5 | 17 40 | 0 2 | 17 1 | 2 51 | 22 33 | 1 57 | 3 16 | 1 1 | 12 43 | 1 19 | 21 0 | 0 38 | 22 37 | 0 2 | 13 53 | 0 3 | 10 18 | 12 36 | 17 46 | 17 24 | 21 48 | 15 59 | 7 11 |
| S 13 | 23 8 | 22 21 | 1n20 | 17 26 | 2 44 | 22 20 | 1 58 | 3 5 | 0 59 | 12 42 | 1 19 | 21 0 | 0 38 | 22 37 | 0 2 | 13 54 | 0 3 | 10 18 | 12 36 | 17 46 | 17 23 | 21 50 | 15 59 | 7 12 |
| M14 | 23 11 | 25 33 | 2 36 | 17 51 | 2 37 | 22 6 | 1 58 | 2 54 | 0 58 | 12 41 | 1 19 | 21 1 | 0 38 | 22 37 | 0 2 | 13 54 | 0 3 | 10 18 | 12 35 | 17 45 | 17 22 | 21 52 | 15 59 | 7 12 |
| T 15 | 23 13 | 26 53 | 3 41 | 18 17 | 2 29 | 21 52 | 1 59 | 2 43 | 0 56 | 12 41 | 1 19 | 21 1 | 0 38 | 22 36 | 0 2 | 13 54 | 0 3 | 10 18 | 12 35 | 17 44 | 17 21 | 21 55 | 15 59 | 7 12 |
| W16 | 23 15 | 26 14 | 4 30 | 18 42 | 2 20 | 21 37 | 2 0 | 2 31 | 0 55 | 12 40 | 1 19 | 21 2 | 0 38 | 22 36 | 0 2 | 13 54 | 0 3 | 10 18 | 12 35 | 17 43 | 17 21 | 21 57 | 15 59 | 7 12 |
| T 17 | 23 17 | 23 49 | 5 0 | 19 7 | 2 11 | 21 21 | 2 0 | 2 20 | 0 54 | 12 39 | 1 18 | 21 3 | 0 38 | 22 36 | 0 2 | 13 54 | 0 3 | 10 18 | 12 35 | 17 41 | 17 20 | 21 59 | 15 59 | 7 13 |
| F 18 | 23 18 | 20 0 | 5 11 | 19 32 | 2 2 | 21 5 | 2 1 | 2 8 | 0 52 | 12 38 | 1 18 | 21 3 | 0 38 | 22 36 | 0 2 | 13 55 | 0 3 | 10 18 | 12 35 | 17 40 | 17 19 | 22 1 | 15 59 | 7 13 |
| S 19 | 23 18 | 15 13 | 5 4 | 19 57 | 1 53 | 20 48 | 2 1 | 1 56 | 0 51 | 12 38 | 1 18 | 21 4 | 0 38 | 22 35 | 0 2 | 13 55 | 0 3 | 10 18 | 12 35 | 17 39 | 17 18 | 22 3 | 15 59 | 7 13 |
| S 20 | 23 19 | 9 54 | 4 40 | 20 22 | 1 43 | 20 31 | 2 1 | 1 45 | 0 49 | 12 37 | 1 18 | 21 5 | 0 38 | 22 35 | 0 2 | 13 55 | 0 3 | 10 18 | 12 35 | 17 38 | 17 17 | 22 5 | 15 59 | 7 13 |
| M21 | 23 19 | 4 19 | 4 4 | 20 45 | 1 32 | 20 14 | 2 1 | 1 33 | 0 48 | 12 37 | 1 17 | 21 5 | 0 38 | 22 35 | 0 2 | 13 56 | 0 3 | 10 18 | 12 34 | 17 38 | 17 16 | 22 7 | 15 59 | 7 13 |
| T 22 | 23 18 | 1s18 | 3 16 | 21 8 | 1 22 | 19 55 | 2 1 | 1 21 | 0 47 | 12 36 | 1 17 | 21 6 | 0 38 | 22 35 | 0 2 | 13 56 | 0 3 | 10 19 | 12 34 | 17 38 | 17 15 | 22 9 | 15 59 | 7 13 |
| W23 | 23 17 | 6 44 | 2 21 | 21 30 | 1 11 | 19 37 | 2 1 | 1 9 | 0 45 | 12 36 | 1 17 | 21 7 | 0 38 | 22 34 | 0 2 | 13 56 | 0 3 | 10 19 | 12 34 | 17 38 | 17 15 | 22 11 | 15 59 | 7 14 |
| T 24 | 23 16 | 11 51 | 1 21 | 21 51 | 1 0 | 19 18 | 2 1 | 0 57 | 0 44 | 12 35 | 1 17 | 21 7 | 0 38 | 22 34 | 0 2 | 13 56 | 0 3 | 10 19 | 12 34 | 17 39 | 17 14 | 22 13 | 15 59 | 7 14 |
| F 25 | 23 14 | 16 30 | 0 17 | 22 11 | 0 49 | 18 58 | 2 1 | 0 45 | 0 43 | 12 35 | 1 16 | 21 8 | 0 38 | 22 34 | 0 2 | 13 57 | 0 3 | 10 19 | 12 34 | 17 39 | 17 13 | 22 16 | 15 59 | 7 14 |
| S 26 | 23 12 | 20 30 | 0s46 | 22 29 | 0 38 | 18 38 | 2 1 | 0 32 | 0 42 | 12 35 | 1 16 | 21 9 | 0 38 | 22 34 | 0 2 | 13 57 | 0 3 | 10 19 | 12 33 | 17 39 | 17 12 | 22 18 | 15 59 | 7 14 |
| S 27 | 23 9 | 23 41 | 1 48 | 22 46 | 0 27 | 18 17 | 2 0 | 0 20 | 0 40 | 12 35 | 1 16 | 21 9 | 0 37 | 22 34 | 0 2 | 13 57 | 0 3 | 10 19 | 12 33 | 17 38 | 17 11 | 22 20 | 15 59 | 7 14 |
| M28 | 23 6 | 25 51 | 2 45 | 23 1 | 0 16 | 17 56 | 2 0 | 0 8 | 0 39 | 12 35 | 1 16 | 21 10 | 0 37 | 22 33 | 0 2 | 13 58 | 0 3 | 10 19 | 12 33 | 17 37 | 17 10 | 22 22 | 15 59 | 7 14 |
| T 29 | 23 3 | 26 50 | 3 36 | 23 14 | 0 5 | 17 35 | 1 59 | 0s 5 | 0 38 | 12 35 | 1 15 | 21 11 | 0 37 | 22 33 | 0 2 | 13 58 | 0 3 | 10 19 | 12 33 | 17 36 | 17 9 | 22 24 | 15 59 | 7 14 |
| W30 | 22n59 | 26s33 | 4s17 | 23n25 | 0n 6 | 17n13 | 1n59 | 0s17 | 0n37 | 12s35 | 1n15 | 21s12 | 0n37 | 22s33 | 0n 2 | 13s58 | 0n 3 | 10s19 | 12n33 | 17n33 | 17n 8 | 22s26 | 15s59 | 7n14 |

Julian Day Number = 2813286.5, Delta T = 53m50s
Ecliptic obliquity = 23°18'45, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'17, Lahiri = 37°43'18


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# ASTRODIENST EPHEMERIS for the year 2990
# geocentric

## JULY 2990 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 38 35 | 10♋16'57 | 28♉43 | 3♋13 | 19♌14 | 2♎37 | 6°R56 | 20°R 6 | 15°R56 | 22°R13 | 18°R30 | 19°R31 | 18♉ 5 | 4♐53 | 4°R56 | T 1 |
| F 2 | 18 42 32 | 11°14'17 | 11♒11 | 5°22 | 20°23 | 3° 6 | 6♏56 | 20♉ 2 | 15♐54 | 22♒12 | 18♐29 | 19♉22 | 18° 2 | 5° 0 | 4♉51 | F 2 |
| S 3 | 18 46 28 | 12°11'37 | 23°51 | 7°32 | 21°32 | 3°35 | 6°D56 | 19°57 | 15°52 | 22°11 | 18°27 | 19°13 | 17°59 | 5° 6 | 4°47 | S 3 |
| S 4 | 18 50 25 | 13° 8'57 | 6♓44 | 9°43 | 22°41 | 4° 5 | 6°56 | 19°53 | 15°50 | 22°10 | 18°26 | 19° 6 | 17°55 | 5°13 | 4°43 | S 4 |
| M 5 | 18 54 21 | 14° 6'16 | 19°50 | 11°55 | 23°50 | 4°35 | 6°56 | 19°49 | 15°48 | 22° 9 | 18°24 | 19° 2 | 17°52 | 5°20 | 4°39 | M 5 |
| T 6 | 18 58 18 | 15° 3'35 | 3♈12 | 14° 7 | 24°59 | 5° 5 | 6°56 | 19°44 | 15°46 | 22° 7 | 18°23 | 18°59 | 17°49 | 5°26 | 4°35 | T 6 |
| W 7 | 19 2 14 | 16° 0'54 | 16°49 | 16°19 | 26° 7 | 5°35 | 6°57 | 19°40 | 15°44 | 22° 6 | 18°21 | 18°D58 | 17°46 | 5°33 | 4°31 | W 7 |
| T 8 | 19 6 11 | 16°58'12 | 0♉44 | 18°30 | 27°16 | 6° 5 | 6°57 | 19°35 | 15°42 | 22° 5 | 18°20 | 18°59 | 17°43 | 5°40 | 4°27 | T 8 |
| F 9 | 19 10 7 | 17°55'30 | 14°57 | 20°41 | 28°24 | 6°35 | 6°58 | 19°31 | 15°40 | 22° 4 | 18°19 | 18°R59 | 17°39 | 5°46 | 4°23 | F 9 |
| S 10 | 19 14 4 | 18°52'49 | 29°26 | 22°51 | 29°33 | 7° 6 | 6°59 | 19°26 | 15°38 | 22° 2 | 18°17 | 18°59 | 17°36 | 5°53 | 4°20 | S 10 |
| S 11 | 19 18 1 | 19°50'07 | 14♊ 9 | 25° 0 | 0♍41 | 7°37 | 7° 1 | 19°22 | 15°36 | 22° 1 | 18°16 | 18°57 | 17°33 | 6° 0 | 4°16 | S 11 |
| M12 | 19 21 57 | 20°47'26 | 29° 0 | 27° 8 | 1°49 | 8° 8 | 7° 2 | 19°18 | 15°34 | 22° 0 | 18°15 | 18°52 | 17°30 | 6° 6 | 4°12 | M12 |
| T 13 | 19 25 54 | 21°44'44 | 13♋51 | 29°15 | 2°57 | 8°39 | 7° 4 | 19°13 | 15°32 | 21°59 | 18°13 | 18°45 | 17°27 | 6°13 | 4° 8 | T 13 |
| W14 | 19 29 50 | 22°42'01 | 28°35 | 1♌20 | 4° 5 | 9°10 | 7° 6 | 19° 9 | 15°30 | 21°57 | 18°12 | 18°36 | 17°24 | 6°20 | 4° 4 | W14 |
| T 15 | 19 33 47 | 23°39'19 | 13♌ 4 | 3°23 | 5°12 | 9°41 | 7° 8 | 19° 4 | 15°28 | 21°56 | 18°11 | 18°26 | 17°20 | 6°26 | 4° 0 | T 15 |
| F 16 | 19 37 43 | 24°36'36 | 27°10 | 5°25 | 6°20 | 10°13 | 7°10 | 19° 0 | 15°27 | 21°54 | 18°10 | 18°17 | 17°17 | 6°33 | 3°57 | F 16 |
| S 17 | 19 41 40 | 25°33'53 | 10♍51 | 7°25 | 7°27 | 10°45 | 7°12 | 18°56 | 15°25 | 21°53 | 18° 8 | 18° 8 | 17°14 | 6°40 | 3°53 | S 17 |
| S 18 | 19 45 36 | 26°31'09 | 24° 5 | 9°23 | 8°35 | 11°17 | 7°15 | 18°51 | 15°23 | 21°52 | 18° 7 | 18° 2 | 17°11 | 6°46 | 3°50 | S 18 |
| M19 | 19 49 33 | 27°28'25 | 6♎53 | 11°19 | 9°42 | 11°49 | 7°17 | 18°47 | 15°22 | 21°50 | 18° 6 | 17°58 | 17° 8 | 6°53 | 3°46 | M19 |
| T 20 | 19 53 30 | 28°25'41 | 19°19 | 13°13 | 10°49 | 12°21 | 7°20 | 18°42 | 15°20 | 21°49 | 18° 5 | 17°56 | 17° 5 | 7° 0 | 3°42 | T 20 |
| W21 | 19 57 26 | 29°22'56 | 1♏27 | 15° 5 | 11°56 | 12°53 | 7°23 | 18°38 | 15°18 | 21°47 | 18° 4 | 17°D56 | 17° 1 | 7° 6 | 3°39 | W21 |
| T 22 | 20 1 23 | 0♎20'11 | 13°24 | 16°55 | 13° 2 | 13°26 | 7°26 | 18°34 | 15°17 | 21°46 | 18° 3 | 17°R56 | 16°58 | 7°13 | 3°36 | T 22 |
| F 23 | 20 5 19 | 1°17'26 | 25°13 | 18°43 | 14° 9 | 13°59 | 7°30 | 18°30 | 15°15 | 21°44 | 18° 1 | 17°56 | 16°55 | 7°19 | 3°32 | F 23 |
| S 24 | 20 9 16 | 2°14'40 | 7♐ 1 | 20°29 | 15°15 | 14°31 | 7°33 | 18°25 | 15°14 | 21°43 | 18° 0 | 17°54 | 16°52 | 7°26 | 3°29 | S 24 |
| S 25 | 20 13 12 | 3°11'55 | 18°52 | 22°13 | 16°21 | 15° 4 | 7°37 | 18°21 | 15°13 | 21°41 | 17°59 | 17°51 | 16°49 | 7°33 | 3°26 | S 25 |
| M26 | 20 17 9 | 4° 9'10 | 0♑49 | 23°55 | 17°27 | 15°37 | 7°41 | 18°17 | 15°11 | 21°40 | 17°58 | 17°44 | 16°45 | 7°39 | 3°22 | M26 |
| T 27 | 20 21 6 | 5° 6'24 | 12°57 | 25°35 | 18°33 | 16°11 | 7°45 | 18°13 | 15°10 | 21°38 | 17°57 | 17°35 | 16°42 | 7°46 | 3°19 | T 27 |
| W28 | 20 25 2 | 6° 3'39 | 25°17 | 27°12 | 19°39 | 16°44 | 7°49 | 18° 9 | 15° 9 | 21°37 | 17°56 | 17°24 | 16°39 | 7°53 | 3°16 | W28 |
| T 29 | 20 28 59 | 7° 0'53 | 7♒50 | 28°48 | 20°44 | 17°18 | 7°53 | 18° 5 | 15° 7 | 21°35 | 17°55 | 17°12 | 16°36 | 7°59 | 3°13 | T 29 |
| F 30 | 20 32 55 | 7°58'08 | 20°37 | 0♍22 | 21°49 | 17°51 | 7°58 | 18° 1 | 15° 6 | 21°34 | 17°55 | 16°59 | 16°33 | 8° 6 | 3°10 | F 30 |
| S 31 | 20 36 52 | 8♌55'23 | 3♓36 | 1♍54 | 22♍55 | 18♎25 | 8♏ 2 | 17♉57 | 15♐ 5 | 21♒32 | 17♐54 | 16♉47 | 16♉30 | 8♐13 | 3♉ 7 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n55 | 24s59 | 4s47 | 23n33 | 0n17 | 16n51 | 1n58 | 0s30 | 0n35 | 12s35 | 1n15 | 21s12 | 0n37 | 22s33 | 0n 2 | 13s59 | 0n 3 | 10s19 | 12n32 | 17n31 | 17n 8 | 22s28 | 15s59 | 7n14 |
| F 2 | 22 50 | 22 11 | 5 3 | 23 39 | 0 27 | 16 28 | 1 57 | 0 42 | 0 34 | 12 35 | 1 14 | 21 13 | 0 37 | 22 32 | 0 2 | 13 59 | 0 3 | 10 19 | 12 32 | 17 29 | 17 7 | 22 30 | 15 59 | 7 14 |
| S 3 | 22 45 | 18 18 | 5 5 | 23 43 | 0 37 | 16 5 | 1 56 | 0 55 | 0 33 | 12 35 | 1 14 | 21 14 | 0 37 | 22 32 | 0 2 | 14 0 | 0 3 | 10 20 | 12 32 | 17 26 | 17 6 | 22 32 | 15 59 | 7 14 |
| S 4 | 22 40 | 13 31 | 4 52 | 23 44 | 0 47 | 15 41 | 1 55 | 1 8 | 0 32 | 12 35 | 1 14 | 21 14 | 0 37 | 22 32 | 0 2 | 14 0 | 0 3 | 10 20 | 12 32 | 17 24 | 17 5 | 22 34 | 16 0 | 7 14 |
| M 5 | 22 34 | 8 3 | 4 23 | 23 43 | 0 56 | 15 18 | 1 54 | 1 21 | 0 31 | 12 36 | 1 14 | 21 15 | 0 37 | 22 32 | 0 2 | 14 0 | 0 3 | 10 20 | 12 31 | 17 23 | 17 4 | 22 36 | 16 0 | 7 14 |
| T 6 | 22 28 | 2 6 | 3 40 | 23 38 | 1 4 | 14 53 | 1 52 | 1 33 | 0 29 | 12 36 | 1 13 | 21 16 | 0 37 | 22 32 | 0 2 | 14 1 | 0 3 | 10 20 | 12 31 | 17 22 | 17 3 | 22 38 | 16 0 | 7 14 |
| W 7 | 22 21 | 4n 3 | 2 44 | 23 31 | 1 12 | 14 29 | 1 51 | 1 46 | 0 28 | 12 36 | 1 13 | 21 16 | 0 37 | 22 31 | 0 2 | 14 1 | 0 3 | 10 20 | 12 31 | 17 22 | 17 2 | 22 40 | 16 0 | 7 14 |
| T 8 | 22 14 | 10 10 | 1 36 | 23 21 | 1 19 | 14 4 | 1 49 | 1 59 | 0 27 | 12 37 | 1 13 | 21 17 | 0 37 | 22 31 | 0 2 | 14 1 | 0 3 | 10 20 | 12 30 | 17 22 | 17 1 | 22 42 | 16 0 | 7 14 |
| F 9 | 22 7 | 15 53 | 0 22 | 23 9 | 1 26 | 13 39 | 1 48 | 2 12 | 0 26 | 12 37 | 1 13 | 21 18 | 0 37 | 22 31 | 0 2 | 14 2 | 0 3 | 10 21 | 12 30 | 17 23 | 17 0 | 22 44 | 16 0 | 7 14 |
| S 10 | 21 59 | 20 50 | 0n56 | 22 54 | 1 32 | 13 14 | 1 46 | 2 25 | 0 25 | 12 38 | 1 12 | 21 19 | 0 37 | 22 31 | 0 2 | 14 2 | 0 3 | 10 21 | 12 30 | 17 22 | 17 0 | 22 46 | 16 1 | 7 14 |
| S 11 | 21 51 | 24 32 | 2 10 | 22 36 | 1 37 | 12 48 | 1 44 | 2 38 | 0 24 | 12 39 | 1 12 | 21 19 | 0 36 | 22 31 | 0 2 | 14 3 | 0 3 | 10 21 | 12 30 | 17 22 | 16 59 | 22 48 | 16 1 | 7 14 |
| M12 | 21 43 | 26 35 | 3 17 | 22 17 | 1 41 | 12 22 | 1 42 | 2 52 | 0 23 | 12 39 | 1 12 | 21 20 | 0 36 | 22 30 | 0 2 | 14 3 | 0 3 | 10 21 | 12 29 | 17 21 | 16 58 | 22 50 | 16 1 | 7 14 |
| T 13 | 21 34 | 26 44 | 4 10 | 21 55 | 1 45 | 11 56 | 1 40 | 3 5 | 0 22 | 12 40 | 1 12 | 21 21 | 0 36 | 22 30 | 0 2 | 14 4 | 0 3 | 10 21 | 12 29 | 17 19 | 16 57 | 22 52 | 16 1 | 7 14 |
| W14 | 21 25 | 24 59 | 4 45 | 21 30 | 1 48 | 11 29 | 1 38 | 3 18 | 0 20 | 12 41 | 1 11 | 21 21 | 0 36 | 22 30 | 0 2 | 14 4 | 0 3 | 10 22 | 12 29 | 17 16 | 16 56 | 22 54 | 16 2 | 7 14 |
| T 15 | 21 15 | 21 38 | 5 2 | 21 4 | 1 50 | 11 2 | 1 36 | 3 31 | 0 19 | 12 42 | 1 11 | 21 22 | 0 36 | 22 30 | 0 2 | 14 5 | 0 3 | 10 22 | 12 28 | 17 13 | 16 55 | 22 56 | 16 2 | 7 14 |
| F 16 | 21 5 | 17 5 | 5 0 | 20 37 | 1 51 | 10 35 | 1 33 | 3 45 | 0 18 | 12 43 | 1 11 | 21 23 | 0 36 | 22 30 | 0 2 | 14 5 | 0 3 | 10 22 | 12 28 | 17 11 | 16 54 | 22 58 | 16 2 | 7 13 |
| S 17 | 20 55 | 11 47 | 4 40 | 20 7 | 1 52 | 10 8 | 1 31 | 3 58 | 0 17 | 12 44 | 1 11 | 21 24 | 0 36 | 22 29 | 0 2 | 14 5 | 0 3 | 10 22 | 12 28 | 17 8 | 16 53 | 23 0 | 16 2 | 7 13 |
| S 18 | 20 44 | 6 6 | 4 6 | 19 36 | 1 51 | 9 41 | 1 28 | 4 11 | 0 16 | 12 45 | 1 10 | 21 24 | 0 36 | 22 29 | 0 2 | 14 6 | 0 3 | 10 23 | 12 27 | 17 7 | 16 52 | 23 2 | 16 3 | 7 13 |
| M19 | 20 33 | 0 21 | 3 20 | 19 4 | 1 51 | 9 13 | 1 26 | 4 25 | 0 15 | 12 46 | 1 10 | 21 25 | 0 36 | 22 29 | 0 2 | 14 6 | 0 3 | 10 23 | 12 27 | 17 6 | 16 52 | 23 4 | 16 3 | 7 13 |
| T 20 | 20 22 | 5s16 | 2 26 | 18 30 | 1 49 | 8 45 | 1 23 | 4 38 | 0 14 | 12 47 | 1 10 | 21 26 | 0 36 | 22 29 | 0 2 | 14 7 | 0 3 | 10 23 | 12 27 | 17 5 | 16 51 | 23 6 | 16 3 | 7 13 |
| W21 | 20 10 | 10 34 | 1 27 | 17 56 | 1 47 | 8 17 | 1 20 | 4 52 | 0 13 | 12 48 | 1 10 | 21 26 | 0 36 | 22 29 | 0 2 | 14 7 | 0 3 | 10 23 | 12 26 | 17 5 | 16 50 | 23 8 | 16 3 | 7 12 |
| T 22 | 19 58 | 15 24 | 0 24 | 17 20 | 1 44 | 7 49 | 1 17 | 5 5 | 0 12 | 12 50 | 1 9 | 21 27 | 0 35 | 22 29 | 0 2 | 14 8 | 0 3 | 10 24 | 12 26 | 17 5 | 16 49 | 23 10 | 16 4 | 7 12 |
| F 23 | 19 46 | 19 36 | 0s39 | 16 44 | 1 41 | 7 21 | 1 14 | 5 19 | 0 11 | 12 51 | 1 9 | 21 28 | 0 35 | 22 29 | 0 2 | 14 8 | 0 3 | 10 24 | 12 25 | 17 5 | 16 48 | 23 11 | 16 4 | 7 12 |
| S 24 | 19 33 | 23 0 | 1 40 | 16 7 | 1 36 | 6 52 | 1 11 | 5 32 | 0 10 | 12 52 | 1 9 | 21 28 | 0 35 | 22 28 | 0 2 | 14 9 | 0 3 | 10 24 | 12 25 | 17 5 | 16 47 | 23 13 | 16 4 | 7 12 |
| S 25 | 19 20 | 25 27 | 2 36 | 15 29 | 1 32 | 6 23 | 1 7 | 5 46 | 0 9 | 12 54 | 1 9 | 21 29 | 0 35 | 22 28 | 0 2 | 14 9 | 0 3 | 10 25 | 12 25 | 17 4 | 16 46 | 23 15 | 16 5 | 7 11 |
| M26 | 19 7 | 26 45 | 3 27 | 14 51 | 1 27 | 5 55 | 1 4 | 6 0 | 0 8 | 12 55 | 1 8 | 21 30 | 0 35 | 22 28 | 0 2 | 14 10 | 0 3 | 10 25 | 12 24 | 17 2 | 16 45 | 23 17 | 16 5 | 7 11 |
| T 27 | 18 53 | 26 48 | 4 8 | 14 12 | 1 21 | 5 26 | 1 0 | 6 13 | 0 7 | 12 57 | 1 8 | 21 30 | 0 35 | 22 28 | 0 2 | 14 10 | 0 3 | 10 25 | 12 24 | 16 59 | 16 44 | 23 19 | 16 5 | 7 11 |
| W28 | 18 39 | 25 32 | 4 39 | 13 33 | 1 15 | 4 57 | 0 57 | 6 27 | 0 6 | 12 58 | 1 8 | 21 31 | 0 35 | 22 28 | 0 2 | 14 11 | 0 3 | 10 25 | 12 23 | 16 56 | 16 44 | 23 21 | 16 6 | 7 11 |
| T 29 | 18 25 | 22 59 | 4 57 | 12 54 | 1 8 | 4 28 | 0 53 | 6 40 | 0 5 | 13 0 | 1 8 | 21 32 | 0 35 | 22 28 | 0 2 | 14 11 | 0 3 | 10 26 | 12 23 | 16 53 | 16 43 | 23 23 | 16 6 | 7 10 |
| F 30 | 18 11 | 19 17 | 5 0 | 12 14 | 1 1 | 3 59 | 0 49 | 6 54 | 0 4 | 13 2 | 1 7 | 21 32 | 0 35 | 22 28 | 0 2 | 14 12 | 0 3 | 10 26 | 12 23 | 16 49 | 16 42 | 23 25 | 16 7 | 7 10 |
| S 31 | 17n56 | 14s36 | 4s48 | 11n35 | 0n54 | 3n29 | 0n45 | 7s 8 | 0n 3 | 13s 3 | 1n 7 | 21s33 | 0n35 | 22s27 | 0n 2 | 14s12 | 0n 3 | 10s26 | 12n22 | 16n46 | 16n41 | 23s27 | 16s 7 | 7n10 |

Julian Day Number = 2813316.5, Delta T = 53m50s
Ecliptic obliquity = 23°18'45, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'21, Lahiri = 37°43'22


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# ASTRODIENST EPHEMERIS for the year 2990
# geocentric

## AUGUST 2990 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 40 48 | 9♌52'39 | 16♓47 | 3♍24 | 23♍59 | 18♎59 | 8♏ 7 | 17°R53 | 15°R 4 | 21°R30 | 17°R53 | 16°R38 | 16♉26 | 8♐19 | 3°R 5 | S 1 |
| M 2 | 20 44 45 | 10°49'55 | 0♈10 | 4°51 | 25° 4 | 19°33 | 8°12 | 17♑49 | 15♐ 3 | 21♒29 | 17♐52 | 16♉30 | 16°23 | 8°26 | 3♑ 2 | M 2 |
| T 3 | 20 48 41 | 11°47'11 | 13°43 | 6°17 | 26° 8 | 20° 7 | 8°17 | 17°45 | 15° 2 | 21°27 | 17°51 | 16°26 | 16°20 | 8°33 | 2°59 | T 3 |
| W 4 | 20 52 38 | 12°44'29 | 27°26 | 7°41 | 27°13 | 20°41 | 8°22 | 17°41 | 15° 1 | 21°26 | 17°50 | 16°24 | 16°17 | 8°39 | 2°57 | W 4 |
| T 5 | 20 56 34 | 13°41'47 | 11♉20 | 9° 2 | 28°17 | 21°16 | 8°28 | 17°37 | 15° 0 | 21°24 | 17°50 | 16°24 | 16°14 | 8°46 | 2°54 | T 5 |
| F 6 | 21 0 31 | 14°39'05 | 25°25 | 10°21 | 29°20 | 21°50 | 8°33 | 17°34 | 14°59 | 21°22 | 17°49 | 16°23 | 16°10 | 8°53 | 2°52 | F 6 |
| S 7 | 21 4 28 | 15°36'25 | 9♊39 | 11°38 | 0♎24 | 22°25 | 8°39 | 17°30 | 14°58 | 21°21 | 17°48 | 16°22 | 16° 7 | 8°59 | 2°49 | S 7 |
| S 8 | 21 8 24 | 16°33'46 | 24° 2 | 12°53 | 1°27 | 23° 0 | 8°45 | 17°26 | 14°57 | 21°19 | 17°48 | 16°19 | 16° 4 | 9° 6 | 2°47 | S 8 |
| M 9 | 21 12 21 | 17°31'07 | 8♋30 | 14° 5 | 2°30 | 23°35 | 8°51 | 17°23 | 14°57 | 21°18 | 17°47 | 16°14 | 16° 1 | 9°13 | 2°45 | M 9 |
| T 10 | 21 16 17 | 18°28'29 | 22°58 | 15°15 | 3°33 | 24°10 | 8°57 | 17°19 | 14°56 | 21°16 | 17°47 | 16° 5 | 15°58 | 9°19 | 2°42 | T 10 |
| W11 | 21 20 14 | 19°25'52 | 7♌21 | 16°22 | 4°36 | 24°45 | 9° 3 | 17°16 | 14°55 | 21°14 | 17°46 | 15°55 | 15°55 | 9°26 | 2°40 | W11 |
| T 12 | 21 24 10 | 20°23'15 | 21°32 | 17°27 | 5°38 | 25°20 | 9° 9 | 17°13 | 14°55 | 21°13 | 17°45 | 15°43 | 15°51 | 9°33 | 2°38 | T 12 |
| F 13 | 21 28 7 | 21°20'39 | 5♍26 | 18°30 | 6°40 | 25°55 | 9°16 | 17° 9 | 14°54 | 21°11 | 17°45 | 15°31 | 15°48 | 9°39 | 2°36 | F 13 |
| S 14 | 21 32 4 | 22°18'04 | 18°58 | 19°29 | 7°42 | 26°31 | 9°23 | 17° 6 | 14°54 | 21° 9 | 17°44 | 15°21 | 15°45 | 9°46 | 2°34 | S 14 |
| S 15 | 21 36 0 | 23°15'29 | 2♎ 7 | 20°26 | 8°43 | 27° 6 | 9°29 | 17° 3 | 14°53 | 21° 8 | 17°44 | 15°13 | 15°42 | 9°53 | 2°33 | S 15 |
| M16 | 21 39 57 | 24°12'55 | 14°53 | 21°19 | 9°44 | 27°42 | 9°36 | 17° 0 | 14°53 | 21° 6 | 17°44 | 15° 8 | 15°39 | 9°59 | 2°31 | M16 |
| T 17 | 21 43 53 | 25°10'21 | 27°19 | 22°10 | 10°45 | 28°18 | 9°43 | 16°57 | 14°53 | 21° 5 | 17°43 | 15° 5 | 15°36 | 10° 6 | 2°29 | T 17 |
| W18 | 21 47 50 | 26° 7'48 | 9♏28 | 22°57 | 11°45 | 28°54 | 9°51 | 16°54 | 14°52 | 21° 3 | 17°43 | 15° 4 | 15°32 | 10°13 | 2°28 | W18 |
| T 19 | 21 51 46 | 27° 5'15 | 21°25 | 23°40 | 12°46 | 29°30 | 9°58 | 16°51 | 14°52 | 21° 1 | 17°43 | 15° 4 | 15°29 | 10°19 | 2°26 | T 19 |
| F 20 | 21 55 43 | 28° 2'43 | 3♐15 | 24°20 | 13°45 | 0♏ 6 | 10° 5 | 16°48 | 14°52 | 21° 0 | 17°42 | 15° 3 | 15°26 | 10°26 | 2°25 | F 20 |
| S 21 | 21 59 39 | 29° 0'12 | 15° 4 | 24°57 | 14°45 | 0°42 | 10°13 | 16°46 | 14°52 | 20°58 | 17°42 | 15° 2 | 15°23 | 10°33 | 2°24 | S 21 |
| S 22 | 22 3 36 | 29°57'42 | 26°57 | 25°29 | 15°44 | 1°19 | 10°21 | 16°43 | 14°52 | 20°56 | 17°42 | 14°59 | 15°20 | 10°39 | 2°23 | S 22 |
| M23 | 22 7 33 | 0♍55'12 | 8♑59 | 25°57 | 16°43 | 1°55 | 10°29 | 16°40 | 14°D52 | 20°55 | 17°42 | 14°54 | 15°16 | 10°46 | 2°22 | M23 |
| T 24 | 22 11 29 | 1°52'43 | 21°14 | 26°20 | 17°41 | 2°32 | 10°36 | 16°38 | 14°52 | 20°53 | 17°42 | 14°46 | 15°13 | 10°53 | 2°21 | T 24 |
| W25 | 22 15 26 | 2°50'15 | 3♒44 | 26°39 | 18°39 | 3° 9 | 10°45 | 16°35 | 14°52 | 20°52 | 17°41 | 14°36 | 15°10 | 10°59 | 2°20 | W25 |
| T 26 | 22 19 22 | 3°47'47 | 16°32 | 26°54 | 19°36 | 3°45 | 10°53 | 16°33 | 14°52 | 20°50 | 17°41 | 14°25 | 15° 7 | 11° 6 | 2°19 | T 26 |
| F 27 | 22 23 19 | 4°45'21 | 29°36 | 27° 3 | 20°33 | 4°22 | 11° 1 | 16°31 | 14°52 | 20°49 | 17°41 | 14°13 | 15° 4 | 11°12 | 2°18 | F 27 |
| S 28 | 22 27 15 | 5°42'56 | 12♓57 | 27°R 7 | 21°30 | 4°59 | 11° 9 | 16°29 | 14°53 | 20°47 | 17°D41 | 14° 3 | 15° 1 | 11°19 | 2°17 | S 28 |
| S 29 | 22 31 12 | 6°40'31 | 26°31 | 27° 6 | 22°26 | 5°36 | 11°18 | 16°27 | 14°53 | 20°45 | 17°41 | 13°54 | 14°57 | 11°26 | 2°17 | S 29 |
| M30 | 22 35 8 | 7°38'08 | 10♈17 | 26°59 | 23°22 | 6°14 | 11°27 | 16°25 | 14°53 | 20°44 | 17°41 | 13°47 | 14°54 | 11°32 | 2°16 | M30 |
| T 31 | 22 39 5 | 8♍35'47 | 24♈11 | 26♍46 | 24♎17 | 6♏51 | 11♏35 | 16♑23 | 14♐54 | 20♒42 | 17♐41 | 13♉43 | 14♉51 | 11♐39 | 2♑16 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 17n41 | 9s11 | 4s20 | 10n55 | 0n46 | 3n 0 | 0n41 | 7s21 | 0n 3 | 13s 5 | 1n 7 | 21s33 | 0n34 | 22s27 | 0n 2 | 14s13 | 0n 3 | 10s27 | 12n22 | 16n43 | 16n40 | 23s29 | 16s 7 | 7n 9 | |
| M 2 | 17 25 | 3 17 | 3 38 | 10 16 | 0 38 | 2 31 | 0 37 | 7 35 | 0 2 | 13 7 | 1 7 | 21 34 | 0 34 | 22 27 | 0 1 | 14 13 | 0 3 | 10 27 | 12 21 | 16 41 | 16 39 | 23 30 | 16 8 | 7 9 | |
| T 3 | 17 10 | 2n52 | 2 44 | 9 36 | 0 29 | 2 1 | 0 33 | 7 49 | 0 1 | 13 9 | 1 6 | 21 35 | 0 34 | 22 27 | 0 1 | 14 14 | 0 3 | 10 27 | 12 21 | 16 40 | 16 38 | 23 32 | 16 8 | 7 9 | |
| W 4 | 16 54 | 8 58 | 1 38 | 8 57 | 0 20 | 1 32 | 0 28 | 8 2 | 0s 0 | 13 11 | 1 6 | 21 35 | 0 34 | 22 27 | 0 1 | 14 14 | 0 3 | 10 28 | 12 21 | 16 39 | 16 37 | 23 34 | 16 9 | 7 8 | |
| T 5 | 16 38 | 14 44 | 0 27 | 8 18 | 0 11 | 1 3 | 0 24 | 8 16 | 0 1 | 13 12 | 1 6 | 21 36 | 0 34 | 22 27 | 0 1 | 14 15 | 0 3 | 10 28 | 12 20 | 16 39 | 16 36 | 23 36 | 16 9 | 7 8 | |
| F 6 | 16 21 | 19 47 | 0n48 | 7 40 | 0 1 | 0 33 | 0 19 | 8 30 | 0 2 | 13 14 | 1 6 | 21 36 | 0 34 | 22 27 | 0 1 | 14 15 | 0 3 | 10 29 | 12 20 | 16 39 | 16 35 | 23 38 | 16 9 | 7 8 | |
| S 7 | 16 4 | 23 45 | 2 0 | 7 1 | 0s 9 | 0 4 | 0 14 | 8 43 | 0 3 | 13 16 | 1 5 | 21 37 | 0 34 | 22 27 | 0 1 | 14 16 | 0 3 | 10 29 | 12 19 | 16 39 | 16 34 | 23 40 | 16 10 | 7 7 | |
| S 8 | 15 47 | 26 15 | 3 5 | 6 23 | 0 19 | 0s26 | 0 10 | 8 57 | 0 4 | 13 19 | 1 5 | 21 38 | 0 34 | 22 27 | 0 1 | 14 16 | 0 3 | 10 29 | 12 19 | 16 38 | 16 34 | 23 41 | 16 10 | 7 7 | |
| M 9 | 15 30 | 27 0 | 3 58 | 5 46 | 0 30 | 0 55 | 0 5 | 9 11 | 0 5 | 13 21 | 1 5 | 21 38 | 0 34 | 22 27 | 0 1 | 14 17 | 0 3 | 10 30 | 12 18 | 16 36 | 16 33 | 23 43 | 16 11 | 7 6 | |
| T 10 | 15 13 | 25 55 | 4 37 | 5 9 | 0 41 | 1 25 | 0s 0 | 9 24 | 0 5 | 13 23 | 1 5 | 21 39 | 0 33 | 22 27 | 0 1 | 14 18 | 0 3 | 10 30 | 12 18 | 16 34 | 16 32 | 23 45 | 16 11 | 7 6 | |
| W11 | 14 55 | 23 7 | 4 57 | 4 33 | 0 52 | 1 54 | 0 5 | 9 38 | 0 6 | 13 25 | 1 5 | 21 39 | 0 33 | 22 27 | 0 1 | 14 18 | 0 3 | 10 31 | 12 17 | 16 31 | 16 31 | 23 47 | 16 12 | 7 6 | |
| T 12 | 14 37 | 18 58 | 4 59 | 3 58 | 1 3 | 2 23 | 0 11 | 9 52 | 0 7 | 13 27 | 1 4 | 21 40 | 0 33 | 22 26 | 0 1 | 14 19 | 0 3 | 10 31 | 12 17 | 16 28 | 16 30 | 23 49 | 16 12 | 7 5 | |
| F 13 | 14 19 | 13 51 | 4 43 | 3 23 | 1 14 | 2 53 | 0 16 | 10 5 | 0 8 | 13 30 | 1 4 | 21 40 | 0 33 | 22 26 | 0 1 | 14 19 | 0 3 | 10 31 | 12 17 | 16 24 | 16 29 | 23 51 | 16 13 | 7 5 | |
| S 14 | 14 0 | 8 12 | 4 11 | 2 50 | 1 26 | 3 22 | 0 21 | 10 19 | 0 9 | 13 32 | 1 4 | 21 41 | 0 33 | 22 26 | 0 1 | 14 20 | 0 3 | 10 32 | 12 16 | 16 21 | 16 28 | 23 52 | 16 13 | 7 4 | |
| S 15 | 13 42 | 2 19 | 3 26 | 2 17 | 1 37 | 3 51 | 0 27 | 10 32 | 0 10 | 13 34 | 1 4 | 21 41 | 0 33 | 22 26 | 0 1 | 14 20 | 0 3 | 10 32 | 12 16 | 16 19 | 16 27 | 23 54 | 16 14 | 7 4 | |
| M16 | 13 23 | 3s29 | 2 33 | 1 45 | 1 49 | 4 20 | 0 32 | 10 46 | 0 11 | 13 37 | 1 3 | 21 42 | 0 33 | 22 26 | 0 1 | 14 21 | 0 3 | 10 33 | 12 15 | 16 17 | 16 26 | 23 56 | 16 14 | 7 3 | |
| T 17 | 13 4 | 9 1 | 1 33 | 1 14 | 2 1 | 4 49 | 0 38 | 10 59 | 0 11 | 13 39 | 1 3 | 21 42 | 0 33 | 22 26 | 0 1 | 14 21 | 0 3 | 10 33 | 12 15 | 16 16 | 16 25 | 23 58 | 16 15 | 7 3 | |
| W18 | 12 45 | 14 6 | 0 30 | 0 45 | 2 13 | 5 18 | 0 44 | 11 13 | 0 12 | 13 41 | 1 3 | 21 43 | 0 32 | 22 26 | 0 1 | 14 22 | 0 3 | 10 34 | 12 14 | 16 16 | 16 24 | 24 0 | 16 15 | 7 2 | |
| T 19 | 12 25 | 18 34 | 0s34 | 0 17 | 2 25 | 5 47 | 0 50 | 11 26 | 0 13 | 13 44 | 1 3 | 21 43 | 0 32 | 22 26 | 0 1 | 14 22 | 0 3 | 10 34 | 12 14 | 16 16 | 16 24 | 24 1 | 16 16 | 7 2 | |
| F 20 | 12 5 | 22 15 | 1 35 | 0s10 | 2 36 | 6 15 | 0 56 | 11 40 | 0 14 | 13 46 | 1 3 | 21 44 | 0 32 | 22 26 | 0 1 | 14 23 | 0 3 | 10 34 | 12 13 | 16 16 | 16 23 | 24 3 | 16 16 | 7 2 | |
| S 21 | 11 46 | 25 0 | 2 32 | 0 35 | 2 48 | 6 44 | 1 2 | 11 53 | 0 15 | 13 49 | 1 2 | 21 44 | 0 32 | 22 26 | 0 1 | 14 23 | 0 3 | 10 35 | 12 13 | 16 16 | 16 22 | 24 5 | 16 17 | 7 1 | |
| S 22 | 11 26 | 26 40 | 3 23 | 0 58 | 3 0 | 7 12 | 1 8 | 12 7 | 0 15 | 13 52 | 1 2 | 21 45 | 0 32 | 22 26 | 0 1 | 14 24 | 0 3 | 10 35 | 12 12 | 16 15 | 16 21 | 24 7 | 16 17 | 7 1 | |
| M23 | 11 5 | 27 5 | 4 5 | 1 20 | 3 11 | 7 40 | 1 14 | 12 20 | 0 16 | 13 54 | 1 2 | 21 45 | 0 32 | 22 26 | 0 1 | 14 24 | 0 3 | 10 36 | 12 12 | 16 13 | 16 20 | 24 8 | 16 18 | 7 0 | |
| T 24 | 10 45 | 26 13 | 4 37 | 1 39 | 3 22 | 8 9 | 1 20 | 12 33 | 0 17 | 13 57 | 1 2 | 21 46 | 0 32 | 22 26 | 0 1 | 14 25 | 0 3 | 10 36 | 12 11 | 16 11 | 16 19 | 24 10 | 16 18 | 7 0 | |
| W25 | 10 25 | 24 1 | 4 57 | 1 57 | 3 33 | 8 36 | 1 27 | 12 46 | 0 18 | 14 0 | 1 2 | 21 46 | 0 32 | 22 26 | 0 1 | 14 25 | 0 3 | 10 37 | 12 11 | 16 8 | 16 18 | 24 12 | 16 19 | 6 59 | |
| T 26 | 10 4 | 20 36 | 5 2 | 2 12 | 3 44 | 9 4 | 1 33 | 13 0 | 0 18 | 14 2 | 1 1 | 21 46 | 0 31 | 22 26 | 0 1 | 14 26 | 0 3 | 10 37 | 12 10 | 16 5 | 16 17 | 24 13 | 16 19 | 6 59 | |
| F 27 | 9 43 | 16 6 | 4 51 | 2 25 | 3 54 | 9 32 | 1 40 | 13 13 | 0 19 | 14 5 | 1 1 | 21 47 | 0 31 | 22 26 | 0 1 | 14 26 | 0 3 | 10 38 | 12 10 | 16 1 | 16 16 | 24 15 | 16 20 | 6 58 | |
| S 28 | 9 22 | 10 45 | 4 25 | 2 35 | 4 3 | 9 59 | 1 46 | 13 26 | 0 20 | 14 8 | 1 1 | 21 47 | 0 31 | 22 26 | 0 1 | 14 27 | 0 3 | 10 38 | 12 9 | 15 58 | 16 15 | 24 17 | 16 20 | 6 58 | |
| S 29 | 9 1 | 4 48 | 3 43 | 2 42 | 4 12 | 10 26 | 1 53 | 13 39 | 0 21 | 14 11 | 1 1 | 21 47 | 0 31 | 22 26 | 0 1 | 14 27 | 0 3 | 10 39 | 12 9 | 15 56 | 16 14 | 24 19 | 16 21 | 6 57 | |
| M30 | 8 40 | 1n28 | 2 48 | 2 47 | 4 20 | 10 53 | 2 0 | 13 52 | 0 21 | 14 13 | 1 1 | 21 48 | 0 31 | 22 27 | 0 1 | 14 28 | 0 3 | 10 39 | 12 8 | 15 54 | 16 13 | 24 20 | 16 21 | 6 56 | |
| T 31 | 8n18 | 7n45 | 1s42 | 2s49 | 4s27 | 11s20 | 2s 7 | 14s 5 | 0s22 | 14s16 | 1n 0 | 21s48 | 0n31 | 22s27 | 0n 1 | 14s28 | 0n 3 | 10s40 | 12n 8 | 15n52 | 16n12 | 24s22 | 16s22 | 6n56 | |

Julian Day Number = 2813347.5, Delta T = 53m51s
Ecliptic obliquity = 23°18'46, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'26, Lahiri = 37°43'26


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# ASTRODIENST EPHEMERIS for the year 2990
# geocentric

## SEPTEMBER 2990 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 22 43 1 | 9♍33'26 | 8♉11 | 26°R28 | 25♎12 | 7♏28 | 11♏44 | 16°R21 | 14♐54 | 20°R41 | 17♐42 | 13°D42 | 14♉48 | 11♐46 | 2°R16 | W 1 |
| T 2 | 22 46 58 | 10°31'08 | 22°15 | 26♍ 5 | 26° 6 | 8° 6 | 11°53 | 16♑19 | 14°55 | 20♒39 | 17°42 | 13♉42 | 14°45 | 11°52 | 2♑15 | T 2 |
| F 3 | 22 50 55 | 11°28'51 | 6♊22 | 25°36 | 27° 0 | 8°43 | 12° 2 | 16°18 | 14°55 | 20°38 | 17°42 | 13°R42 | 14°42 | 11°59 | 2°15 | F 3 |
| S 4 | 22 54 51 | 12°26'35 | 20°31 | 25° 2 | 27°53 | 9°21 | 12°11 | 16°16 | 14°56 | 20°36 | 17°42 | 13°42 | 14°38 | 12° 6 | 2°D15 | S 4 |
| S 5 | 22 58 48 | 13°24'21 | 4♋40 | 24°23 | 28°45 | 9°59 | 12°21 | 16°15 | 14°56 | 20°35 | 17°42 | 13°40 | 14°35 | 12°12 | 2°15 | S 5 |
| M 6 | 23 2 44 | 14°22'09 | 18°48 | 23°39 | 29°37 | 10°37 | 12°30 | 16°14 | 14°57 | 20°33 | 17°43 | 13°36 | 14°32 | 12°19 | 2°16 | M 6 |
| T 7 | 23 6 41 | 15°19'58 | 2♌51 | 22°52 | 0♏28 | 11°15 | 12°40 | 16°12 | 14°58 | 20°32 | 17°43 | 13°30 | 14°29 | 12°26 | 2°16 | T 7 |
| W 8 | 23 10 37 | 16°17'49 | 16°48 | 22° 1 | 1°19 | 11°53 | 12°49 | 16°11 | 14°59 | 20°30 | 17°43 | 13°22 | 14°26 | 12°32 | 2°16 | W 8 |
| T 9 | 23 14 34 | 17°15'42 | 0♍34 | 21° 8 | 2° 9 | 12°31 | 12°59 | 16°10 | 15° 0 | 20°29 | 17°44 | 13°12 | 14°22 | 12°39 | 2°17 | T 9 |
| F 10 | 23 18 30 | 18°13'35 | 14° 5 | 20°14 | 2°58 | 13°10 | 13° 9 | 16° 9 | 15° 0 | 20°28 | 17°44 | 13° 3 | 14°19 | 12°46 | 2°17 | F 10 |
| S 11 | 23 22 27 | 19°11'30 | 27°20 | 19°20 | 3°47 | 13°48 | 13°19 | 16° 8 | 15° 1 | 20°26 | 17°45 | 12°55 | 14°16 | 12°52 | 2°18 | S 11 |
| S 12 | 23 26 24 | 20° 9'27 | 10♎16 | 18°26 | 4°35 | 14°26 | 13°29 | 16° 8 | 15° 2 | 20°25 | 17°45 | 12°48 | 14°13 | 12°59 | 2°18 | S 12 |
| M13 | 23 30 20 | 21° 7'25 | 22°54 | 17°34 | 5°22 | 15° 5 | 13°39 | 16° 7 | 15° 3 | 20°24 | 17°46 | 12°44 | 14°10 | 13° 6 | 2°19 | M13 |
| T 14 | 23 34 17 | 22° 5'24 | 5♏15 | 16°46 | 6° 8 | 15°44 | 13°49 | 16° 6 | 15° 5 | 20°22 | 17°46 | 12°42 | 14° 7 | 13°12 | 2°20 | T 14 |
| W15 | 23 38 13 | 23° 3'25 | 17°22 | 16° 2 | 6°53 | 16°22 | 13°59 | 16° 6 | 15° 6 | 20°21 | 17°47 | 12°D42 | 14° 3 | 13°19 | 2°21 | W15 |
| T 16 | 23 42 10 | 24° 1'27 | 29°18 | 15°23 | 7°38 | 17° 1 | 14° 9 | 16° 5 | 15° 7 | 20°20 | 17°47 | 12°43 | 14° 0 | 13°26 | 2°22 | T 16 |
| F 17 | 23 46 6 | 24°59'31 | 11♐ 8 | 14°50 | 8°21 | 17°40 | 14°20 | 16° 5 | 15° 8 | 20°18 | 17°48 | 12°44 | 13°57 | 13°32 | 2°23 | F 17 |
| S 18 | 23 50 3 | 25°57'36 | 22°58 | 14°24 | 9° 4 | 18°19 | 14°30 | 16° 5 | 15°10 | 20°17 | 17°49 | 12°R45 | 13°54 | 13°39 | 2°25 | S 18 |
| S 19 | 23 53 59 | 26°55'42 | 4♑51 | 14° 6 | 9°46 | 18°59 | 14°41 | 16°D 5 | 15°11 | 20°16 | 17°49 | 12°45 | 13°51 | 13°46 | 2°26 | S 19 |
| M20 | 23 57 56 | 27°53'49 | 16°55 | 13°56 | 10°26 | 19°38 | 14°51 | 16° 5 | 15°12 | 20°15 | 17°50 | 12°43 | 13°48 | 13°52 | 2°27 | M20 |
| T 21 | 0 1 53 | 28°51'58 | 29°12 | 13°D54 | 11° 6 | 20°17 | 15° 2 | 16° 5 | 15°14 | 20°13 | 17°51 | 12°39 | 13°44 | 13°59 | 2°29 | T 21 |
| W22 | 0 5 49 | 29°50'09 | 11♒47 | 14° 1 | 11°44 | 20°57 | 15°13 | 16° 5 | 15°15 | 20°12 | 17°52 | 12°34 | 13°41 | 14° 6 | 2°31 | W22 |
| T 23 | 0 9 46 | 0♎48'20 | 24°42 | 14°17 | 12°22 | 21°36 | 15°24 | 16° 6 | 15°17 | 20°11 | 17°53 | 12°27 | 13°38 | 14°12 | 2°32 | T 23 |
| F 24 | 0 13 42 | 1°46'34 | 7♓59 | 14°42 | 12°58 | 22°16 | 15°35 | 16° 6 | 15°19 | 20°10 | 17°54 | 12°20 | 13°35 | 14°19 | 2°34 | F 24 |
| S 25 | 0 17 39 | 2°44'48 | 21°37 | 15°16 | 13°32 | 22°55 | 15°46 | 16° 6 | 15°20 | 20° 9 | 17°54 | 12°14 | 13°32 | 14°26 | 2°36 | S 25 |
| S 26 | 0 21 35 | 3°43'05 | 5♈33 | 15°58 | 14° 6 | 23°35 | 15°57 | 16° 7 | 15°22 | 20° 8 | 17°55 | 12° 9 | 13°28 | 14°32 | 2°38 | S 26 |
| M27 | 0 25 32 | 4°41'23 | 19°44 | 16°48 | 14°38 | 24°15 | 16° 8 | 16° 8 | 15°24 | 20° 7 | 17°56 | 12° 5 | 13°25 | 14°39 | 2°40 | M27 |
| T 28 | 0 29 28 | 5°39'43 | 4♉ 4 | 17°46 | 15° 9 | 24°55 | 16°20 | 16° 8 | 15°25 | 20° 6 | 17°57 | 12° 3 | 13°22 | 14°46 | 2°42 | T 28 |
| W29 | 0 33 25 | 6°38'05 | 18°29 | 18°51 | 15°38 | 25°35 | 16°31 | 16° 9 | 15°27 | 20° 5 | 17°58 | 12°D 3 | 13°19 | 14°52 | 2°44 | W29 |
| T 30 | 0 37 22 | 7♎36'29 | 2♊54 | 20♍ 2 | 16♏ 6 | 26♏15 | 16♏42 | 16♑10 | 15♐29 | 20♒ 4 | 18♐ 0 | 12♉ 4 | 13♉16 | 14♐59 | 2♑47 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7n57 | 13n42 | 0s29 | 2s47 | 4s33 | 11s46 | 2s13 | 14s17 | 0s23 | 14s19 | 1n 0 | 21s49 | 0n31 | 22s27 | 0n 1 | 14s29 | 0n 3 | 10s40 | 12n 7 | 15n52 | 16n11 | 24s24 | 16s22 | 6n55 |
| T 2 | 7 35 | 18 58 | 0n46 | 2 42 | 4 38 | 12 12 | 2 20 | 14 30 | 0 23 | 14 22 | 1 0 | 21 49 | 0 31 | 22 27 | 0 1 | 14 29 | 0 3 | 10 41 | 12 7 | 15 52 | 16 11 | 24 25 | 16 23 | 6 55 |
| F 3 | 7 13 | 23 12 | 1 58 | 2 34 | 4 41 | 12 38 | 2 27 | 14 43 | 0 24 | 14 25 | 1 0 | 21 49 | 0 31 | 22 27 | 0 1 | 14 30 | 0 3 | 10 41 | 12 7 | 15 52 | 16 10 | 24 27 | 16 23 | 6 54 |
| S 4 | 6 51 | 26 1 | 3 3 | 2 22 | 4 43 | 13 4 | 2 34 | 14 56 | 0 25 | 14 28 | 1 0 | 21 49 | 0 30 | 22 27 | 0 1 | 14 30 | 0 3 | 10 42 | 12 6 | 15 52 | 16 9 | 24 29 | 16 24 | 6 54 |
| S 5 | 6 29 | 27 11 | 3 58 | 2 8 | 4 44 | 13 30 | 2 42 | 15 8 | 0 26 | 14 31 | 0 59 | 21 50 | 0 30 | 22 27 | 0 1 | 14 31 | 0 3 | 10 42 | 12 6 | 15 52 | 16 8 | 24 30 | 16 24 | 6 53 |
| M 6 | 6 7 | 26 35 | 4 37 | 1 49 | 4 43 | 13 55 | 2 49 | 15 21 | 0 26 | 14 34 | 0 59 | 21 50 | 0 30 | 22 27 | 0 1 | 14 31 | 0 3 | 10 43 | 12 5 | 15 50 | 16 7 | 24 32 | 16 25 | 6 53 |
| T 7 | 5 45 | 24 17 | 5 0 | 1 28 | 4 40 | 14 20 | 2 56 | 15 33 | 0 27 | 14 37 | 0 59 | 21 50 | 0 30 | 22 27 | 0 1 | 14 32 | 0 3 | 10 43 | 12 5 | 15 48 | 16 6 | 24 34 | 16 25 | 6 52 |
| W 8 | 5 23 | 20 33 | 5 4 | 1 4 | 4 35 | 14 44 | 3 3 | 15 46 | 0 28 | 14 40 | 0 59 | 21 51 | 0 30 | 22 27 | 0 1 | 14 32 | 0 3 | 10 44 | 12 4 | 15 46 | 16 5 | 24 35 | 16 26 | 6 52 |
| T 9 | 5 0 | 15 45 | 4 51 | 0 37 | 4 28 | 15 8 | 3 11 | 15 58 | 0 28 | 14 43 | 0 59 | 21 51 | 0 30 | 22 27 | 0 1 | 14 33 | 0 3 | 10 44 | 12 4 | 15 43 | 16 4 | 24 37 | 16 26 | 6 51 |
| F 10 | 4 38 | 10 16 | 4 22 | 0 8 | 4 19 | 15 32 | 3 18 | 16 10 | 0 29 | 14 46 | 0 59 | 21 51 | 0 30 | 22 27 | 0 1 | 14 33 | 0 3 | 10 45 | 12 3 | 15 40 | 16 3 | 24 39 | 16 27 | 6 51 |
| S 11 | 4 15 | 4 24 | 3 39 | 0n23 | 4 9 | 15 56 | 3 26 | 16 22 | 0 30 | 14 49 | 0 58 | 21 51 | 0 30 | 22 28 | 0 1 | 14 34 | 0 2 | 10 45 | 12 3 | 15 38 | 16 2 | 24 40 | 16 28 | 6 50 |
| S 12 | 3 53 | 1s30 | 2 45 | 0 55 | 3 57 | 16 19 | 3 33 | 16 34 | 0 30 | 14 52 | 0 58 | 21 52 | 0 29 | 22 28 | 0 1 | 14 34 | 0 2 | 10 46 | 12 2 | 15 36 | 16 1 | 24 42 | 16 28 | 6 50 |
| M13 | 3 30 | 7 14 | 1 45 | 1 28 | 3 43 | 16 42 | 3 41 | 16 46 | 0 31 | 14 56 | 0 58 | 21 52 | 0 29 | 22 28 | 0 1 | 14 34 | 0 2 | 10 46 | 12 2 | 15 35 | 16 0 | 24 43 | 16 29 | 6 49 |
| T 14 | 3 7 | 12 34 | 0 40 | 2 1 | 3 27 | 17 5 | 3 48 | 16 58 | 0 32 | 14 59 | 0 58 | 21 52 | 0 29 | 22 28 | 0 1 | 14 35 | 0 2 | 10 47 | 12 1 | 15 34 | 15 59 | 24 45 | 16 29 | 6 48 |
| W15 | 2 45 | 17 20 | 0s25 | 2 33 | 3 11 | 17 27 | 3 56 | 17 10 | 0 32 | 15 2 | 0 58 | 21 52 | 0 29 | 22 28 | 0 1 | 14 35 | 0 2 | 10 47 | 12 1 | 15 34 | 15 58 | 24 47 | 16 30 | 6 48 |
| T 16 | 2 22 | 21 20 | 1 28 | 3 4 | 2 53 | 17 49 | 4 3 | 17 21 | 0 33 | 15 5 | 0 58 | 21 52 | 0 29 | 22 28 | 0 1 | 14 36 | 0 2 | 10 48 | 12 0 | 15 34 | 15 57 | 24 48 | 16 30 | 6 47 |
| F 17 | 1 59 | 24 26 | 2 28 | 3 34 | 2 35 | 18 10 | 4 11 | 17 33 | 0 34 | 15 8 | 0 57 | 21 52 | 0 29 | 22 28 | 0 1 | 14 36 | 0 2 | 10 48 | 12 0 | 15 35 | 15 57 | 24 50 | 16 31 | 6 47 |
| S 18 | 1 36 | 26 28 | 3 20 | 4 1 | 2 16 | 18 32 | 4 19 | 17 44 | 0 34 | 15 12 | 0 57 | 21 53 | 0 29 | 22 29 | 0 1 | 14 37 | 0 2 | 10 49 | 11 59 | 15 35 | 15 56 | 24 51 | 16 31 | 6 46 |
| S 19 | 1 13 | 27 18 | 4 5 | 4 26 | 1 56 | 18 52 | 4 26 | 17 56 | 0 35 | 15 15 | 0 57 | 21 53 | 0 28 | 22 29 | 0 1 | 14 37 | 0 2 | 10 50 | 11 59 | 15 35 | 15 55 | 24 53 | 16 32 | 6 46 |
| M20 | 0 50 | 26 52 | 4 39 | 4 48 | 1 37 | 19 12 | 4 34 | 18 7 | 0 35 | 15 18 | 0 57 | 21 53 | 0 28 | 22 29 | 0 1 | 14 37 | 0 2 | 10 50 | 11 58 | 15 34 | 15 54 | 24 55 | 16 32 | 6 45 |
| T 21 | 0 27 | 25 7 | 5 1 | 5 6 | 1 18 | 19 32 | 4 42 | 18 18 | 0 36 | 15 21 | 0 57 | 21 53 | 0 28 | 22 29 | 0 1 | 14 38 | 0 2 | 10 51 | 11 58 | 15 33 | 15 53 | 24 56 | 16 33 | 6 45 |
| W22 | 0 4 | 22 7 | 5 9 | 5 21 | 0 59 | 19 51 | 4 49 | 18 29 | 0 37 | 15 25 | 0 57 | 21 53 | 0 28 | 22 29 | 0 1 | 14 38 | 0 2 | 10 51 | 11 57 | 15 32 | 15 52 | 24 58 | 16 33 | 6 44 |
| T 23 | 0s19 | 17 58 | 5 2 | 5 32 | 0 41 | 20 10 | 4 57 | 18 40 | 0 37 | 15 28 | 0 56 | 21 53 | 0 28 | 22 29 | 0 1 | 14 38 | 0 2 | 10 52 | 11 57 | 15 30 | 15 51 | 24 59 | 16 34 | 6 44 |
| F 24 | 0 42 | 12 51 | 4 39 | 5 38 | 0 23 | 20 29 | 5 4 | 18 51 | 0 38 | 15 31 | 0 56 | 21 53 | 0 28 | 22 30 | 0 1 | 14 39 | 0 2 | 10 52 | 11 56 | 15 28 | 15 50 | 25 1 | 16 34 | 6 43 |
| S 25 | 1 5 | 6 59 | 4 0 | 5 41 | 0 6 | 20 47 | 5 12 | 19 1 | 0 38 | 15 35 | 0 56 | 21 53 | 0 28 | 22 30 | 0 1 | 14 39 | 0 2 | 10 53 | 11 56 | 15 26 | 15 49 | 25 2 | 16 35 | 6 42 |
| S 26 | 1 28 | 0 39 | 3 5 | 5 39 | 0n 9 | 21 4 | 5 19 | 19 12 | 0 39 | 15 38 | 0 56 | 21 53 | 0 28 | 22 30 | 0 1 | 14 40 | 0 2 | 10 53 | 11 55 | 15 24 | 15 48 | 25 4 | 16 35 | 6 42 |
| M27 | 1 51 | 5n51 | 1 59 | 5 33 | 0 24 | 21 21 | 5 27 | 19 22 | 0 40 | 15 41 | 0 56 | 21 53 | 0 27 | 22 30 | 0 1 | 14 40 | 0 2 | 10 54 | 11 55 | 15 23 | 15 47 | 25 5 | 16 36 | 6 41 |
| T 28 | 2 14 | 12 8 | 0 43 | 5 24 | 0 38 | 21 37 | 5 34 | 19 33 | 0 40 | 15 45 | 0 56 | 21 53 | 0 27 | 22 30 | 0 1 | 14 40 | 0 2 | 10 54 | 11 55 | 15 22 | 15 46 | 25 7 | 16 36 | 6 41 |
| W29 | 2 37 | 17 48 | 0n35 | 5 10 | 0 50 | 21 53 | 5 42 | 19 43 | 0 41 | 15 48 | 0 56 | 21 53 | 0 27 | 22 31 | 0 1 | 14 41 | 0 2 | 10 55 | 11 54 | 15 22 | 15 45 | 25 8 | 16 37 | 6 40 |
| T 30 | 3s 0 | 22n27 | 1n51 | 4n52 | 1n 2 | 22s 8 | 5s49 | 19s53 | 0s41 | 15s51 | 0n55 | 21s53 | 0n27 | 22s31 | 0n 1 | 14s41 | 0n 2 | 10s55 | 11n54 | 15n23 | 15n44 | 25s10 | 16s37 | 6n40 |

Julian Day Number = 2813378.5, Delta T = 53m51s
Ecliptic obliquity = 23°18'46, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'30, Lahiri = 37°43'30


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# ASTRODIENST EPHEMERIS for the year 2990
# geocentric

## OCTOBER 2990 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 0 41 18 | 8♎34'56 | 17♊16 | 21♍20 | 16♏32 | 26♏55 | 16♏54 | 16♑11 | 15♐31 | 20°R 3 | 18♐ 1 | 12♉ 6 | 13♉13 | 15♐ 6 | 2♑49 | F 1 |
| S 2 | 0 45 15 | 9°33'24 | 1♋30 | 22°43 | 16°57 | 27°35 | 17° 5 | 16°13 | 15°33 | 20♒ 2 | 18° 2 | 12° 7 | 13° 9 | 15°12 | 2°52 | S 2 |
| S 3 | 0 49 11 | 10°31'54 | 15°36 | 24°11 | 17°20 | 28°16 | 17°17 | 16°14 | 15°35 | 20° 1 | 18° 3 | 12°R 7 | 13° 6 | 15°19 | 2°54 | S 3 |
| M 4 | 0 53 8 | 11°30'27 | 29°32 | 25°44 | 17°41 | 28°56 | 17°29 | 16°15 | 15°37 | 20° 0 | 18° 4 | 12° 6 | 13° 3 | 15°26 | 2°57 | M 4 |
| T 5 | 0 57 4 | 12°29'02 | 13♌17 | 27°20 | 18° 0 | 29°37 | 17°40 | 16°17 | 15°39 | 19°59 | 18° 5 | 12° 3 | 13° 0 | 15°32 | 2°59 | T 5 |
| W 6 | 1 1 1 | 13°27'39 | 26°50 | 28°59 | 18°18 | 0♐17 | 17°52 | 16°18 | 15°41 | 19°59 | 18° 7 | 11°59 | 12°57 | 15°39 | 3° 2 | W 6 |
| T 7 | 1 4 57 | 14°26'18 | 10♍10 | 0♎41 | 18°34 | 0°58 | 18° 4 | 16°20 | 15°44 | 19°58 | 18° 8 | 11°55 | 12°53 | 15°46 | 3° 5 | T 7 |
| F 8 | 1 8 54 | 15°24'58 | 23°17 | 2°25 | 18°47 | 1°39 | 18°16 | 16°22 | 15°46 | 19°57 | 18° 9 | 11°51 | 12°50 | 15°52 | 3° 8 | F 8 |
| S 9 | 1 12 51 | 16°23'41 | 6♎10 | 4°11 | 18°59 | 2°20 | 18°28 | 16°24 | 15°48 | 19°56 | 18°11 | 11°47 | 12°47 | 15°59 | 3°11 | S 9 |
| S 10 | 1 16 47 | 17°22'26 | 18°48 | 5°58 | 19° 8 | 3° 1 | 18°40 | 16°26 | 15°50 | 19°56 | 18°12 | 11°44 | 12°44 | 16° 6 | 3°14 | S 10 |
| M11 | 1 20 44 | 18°21'13 | 1♏13 | 7°46 | 19°16 | 3°42 | 18°52 | 16°28 | 15°53 | 19°55 | 18°13 | 11°43 | 12°41 | 16°12 | 3°18 | M11 |
| T 12 | 1 24 40 | 19°20'02 | 13°25 | 9°35 | 19°21 | 4°23 | 19° 4 | 16°30 | 15°55 | 19°54 | 18°15 | 11°D42 | 12°38 | 16°19 | 3°21 | T 12 |
| W13 | 1 28 37 | 20°18'52 | 25°26 | 11°24 | 19°24 | 5° 4 | 19°16 | 16°32 | 15°58 | 19°54 | 18°16 | 11°43 | 12°34 | 16°26 | 3°24 | W13 |
| T 14 | 1 32 33 | 21°17'45 | 7♐20 | 13°13 | 19°R24 | 5°45 | 19°28 | 16°34 | 16° 0 | 19°53 | 18°18 | 11°44 | 12°31 | 16°32 | 3°28 | T 14 |
| F 15 | 1 36 30 | 22°16'39 | 19° 9 | 15° 3 | 19°23 | 6°27 | 19°41 | 16°37 | 16° 3 | 19°52 | 18°19 | 11°46 | 12°28 | 16°39 | 3°31 | F 15 |
| S 16 | 1 40 26 | 23°15'35 | 0♑58 | 16°51 | 19°18 | 7° 8 | 19°53 | 16°39 | 16° 5 | 19°52 | 18°21 | 11°47 | 12°25 | 16°46 | 3°35 | S 16 |
| S 17 | 1 44 23 | 24°14'32 | 12°51 | 18°40 | 19°12 | 7°50 | 20° 5 | 16°42 | 16° 8 | 19°51 | 18°22 | 11°48 | 12°22 | 16°52 | 3°39 | S 17 |
| M18 | 1 48 19 | 25°13'32 | 24°53 | 20°28 | 19° 3 | 8°32 | 20°18 | 16°45 | 16°11 | 19°51 | 18°24 | 11°R49 | 12°19 | 16°59 | 3°42 | M18 |
| T 19 | 1 52 16 | 26°12'33 | 7♒ 8 | 22°16 | 18°52 | 9°13 | 20°30 | 16°47 | 16°13 | 19°51 | 18°25 | 11°48 | 12°15 | 17° 6 | 3°46 | T 19 |
| W20 | 1 56 13 | 27°11'35 | 19°42 | 24° 3 | 18°38 | 9°55 | 20°42 | 16°50 | 16°16 | 19°50 | 18°27 | 11°47 | 12°12 | 17°12 | 3°50 | W20 |
| T 21 | 2 0 9 | 28°10'40 | 2♓37 | 25°49 | 18°22 | 10°37 | 20°55 | 16°53 | 16°19 | 19°50 | 18°29 | 11°46 | 12° 9 | 17°19 | 3°54 | T 21 |
| F 22 | 2 4 6 | 29° 9'46 | 15°56 | 27°35 | 18° 3 | 11°19 | 21° 8 | 16°56 | 16°21 | 19°50 | 18°30 | 11°44 | 12° 6 | 17°26 | 3°58 | F 22 |
| S 23 | 2 8 2 | 0♏ 8'54 | 29°41 | 29°20 | 17°42 | 12° 1 | 21°20 | 16°59 | 16°24 | 19°49 | 18°32 | 11°43 | 12° 3 | 17°32 | 4° 2 | S 23 |
| S 24 | 2 11 59 | 1° 8'03 | 13♈50 | 1♏ 4 | 17°19 | 12°43 | 21°33 | 17° 3 | 16°27 | 19°49 | 18°34 | 11°41 | 11°59 | 17°39 | 4° 6 | S 24 |
| M25 | 2 15 55 | 2° 7'15 | 28°18 | 2°48 | 16°54 | 13°25 | 21°45 | 17° 6 | 16°30 | 19°49 | 18°36 | 11°41 | 11°56 | 17°46 | 4°11 | M25 |
| T 26 | 2 19 52 | 3° 6'29 | 13♉ 2 | 4°31 | 16°27 | 14° 7 | 21°58 | 17° 9 | 16°33 | 19°49 | 18°37 | 11°D40 | 11°53 | 17°52 | 4°15 | T 26 |
| W27 | 2 23 48 | 4° 5'44 | 27°53 | 6°13 | 15°58 | 14°50 | 22°11 | 17°13 | 16°36 | 19°48 | 18°39 | 11°41 | 11°50 | 17°59 | 4°19 | W27 |
| T 28 | 2 27 45 | 5° 5'02 | 12♊44 | 7°54 | 15°28 | 15°32 | 22°24 | 17°16 | 16°39 | 19°48 | 18°41 | 11°41 | 11°47 | 18° 6 | 4°24 | T 28 |
| F 29 | 2 31 42 | 6° 4'22 | 27°28 | 9°35 | 14°55 | 16°14 | 22°36 | 17°20 | 16°42 | 19°48 | 18°43 | 11°42 | 11°44 | 18°12 | 4°28 | F 29 |
| S 30 | 2 35 38 | 7° 3'45 | 12♋ 0 | 11°15 | 14°22 | 16°57 | 22°49 | 17°24 | 16°45 | 19°48 | 18°45 | 11°42 | 11°40 | 18°19 | 4°33 | S 30 |
| S 31 | 2 39 35 | 8♏ 3'09 | 26♋15 | 12♏54 | 13♏47 | 17♐40 | 23♏ 2 | 17♑27 | 16♐48 | 19°D48 | 18♐47 | 11♉42 | 11♉37 | 18♐26 | 4♑38 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 3s23 | 25n42 | 3n 0 | 4n31 | 1n12 | 22s22 | 5s56 | 20s 3 | 0s42 | 15s55 | 0n55 | 21s53 | 0n27 | 22s31 | 0n 1 | 14s41 | 0n 2 | 10s56 | 11n53 | 15n23 | 15n43 | 25s11 | 16s38 | 6n39 |
| S 2 | 3 46 | 27 16 | 3 58 | 4 7 | 1 21 | 22 36 | 6 3 | 20 12 | 0 42 | 15 58 | 0 55 | 21 53 | 0 27 | 22 31 | 0 1 | 14 41 | 0 2 | 10 57 | 11 53 | 15 23 | 15 42 | 25 13 | 16 38 | 6 39 |
| S 3 | 4 9 | 27 3 | 4 40 | 3 39 | 1 28 | 22 49 | 6 10 | 20 22 | 0 43 | 16 1 | 0 55 | 21 53 | 0 27 | 22 31 | 0 1 | 14 42 | 0 2 | 10 57 | 11 52 | 15 23 | 15 41 | 25 14 | 16 39 | 6 38 |
| M 4 | 4 32 | 25 7 | 5 5 | 3 8 | 1 35 | 23 2 | 6 16 | 20 31 | 0 43 | 16 5 | 0 55 | 21 53 | 0 27 | 22 32 | 0 1 | 14 42 | 0 2 | 10 58 | 11 52 | 15 23 | 15 40 | 25 16 | 16 39 | 6 38 |
| T 5 | 4 54 | 21 44 | 5 13 | 2 35 | 1 40 | 23 14 | 6 23 | 20 41 | 0 44 | 16 8 | 0 55 | 21 53 | 0 27 | 22 32 | 0 1 | 14 42 | 0 2 | 10 58 | 11 51 | 15 22 | 15 39 | 25 17 | 16 40 | 6 37 |
| W 6 | 5 17 | 17 14 | 5 3 | 2 0 | 1 45 | 23 25 | 6 29 | 20 50 | 0 45 | 16 11 | 0 55 | 21 53 | 0 26 | 22 32 | 0 1 | 14 43 | 0 2 | 10 59 | 11 51 | 15 21 | 15 39 | 25 19 | 16 40 | 6 37 |
| T 7 | 5 40 | 11 58 | 4 36 | 1 23 | 1 48 | 23 35 | 6 36 | 20 59 | 0 45 | 16 15 | 0 55 | 21 53 | 0 26 | 22 32 | 0 1 | 14 43 | 0 2 | 10 59 | 11 50 | 15 20 | 15 38 | 25 20 | 16 41 | 6 36 |
| F 8 | 6 2 | 6 15 | 3 55 | 0 44 | 1 50 | 23 45 | 6 42 | 21 8 | 0 46 | 16 18 | 0 54 | 21 53 | 0 26 | 22 33 | 0 1 | 14 43 | 0 2 | 11 0 | 11 50 | 15 19 | 15 37 | 25 22 | 16 41 | 6 36 |
| S 9 | 6 25 | 0 22 | 3 3 | 0 3 | 1 51 | 23 54 | 6 47 | 21 16 | 0 46 | 16 22 | 0 54 | 21 53 | 0 26 | 22 33 | 0 1 | 14 43 | 0 2 | 11 0 | 11 50 | 15 17 | 15 36 | 25 23 | 16 41 | 6 35 |
| S 10 | 6 47 | 5s26 | 2 3 | 0s39 | 1 52 | 24 2 | 6 53 | 21 25 | 0 47 | 16 25 | 0 54 | 21 53 | 0 26 | 22 33 | 0 1 | 14 44 | 0 2 | 11 1 | 11 49 | 15 17 | 15 35 | 25 25 | 16 42 | 6 35 |
| M11 | 7 10 | 10 56 | 0 58 | 1 21 | 1 52 | 24 8 | 6 58 | 21 33 | 0 47 | 16 28 | 0 54 | 21 53 | 0 26 | 22 33 | 0 1 | 14 44 | 0 2 | 11 1 | 11 49 | 15 16 | 15 34 | 25 26 | 16 42 | 6 34 |
| T 12 | 7 32 | 15 56 | 0s 9 | 2 5 | 1 51 | 24 15 | 7 3 | 21 41 | 0 48 | 16 32 | 0 54 | 21 53 | 0 26 | 22 34 | 0 1 | 14 44 | 0 2 | 11 2 | 11 48 | 15 16 | 15 33 | 25 28 | 16 43 | 6 34 |
| W13 | 7 54 | 20 14 | 1 15 | 2 49 | 1 49 | 24 20 | 7 7 | 21 49 | 0 48 | 16 35 | 0 54 | 21 52 | 0 26 | 22 34 | 0 1 | 14 44 | 0 2 | 11 2 | 11 48 | 15 16 | 15 32 | 25 29 | 16 43 | 6 33 |
| T 14 | 8 16 | 23 40 | 2 17 | 3 33 | 1 47 | 24 24 | 7 11 | 21 57 | 0 49 | 16 39 | 0 54 | 21 52 | 0 25 | 22 34 | 0 1 | 14 44 | 0 2 | 11 3 | 11 48 | 15 16 | 15 31 | 25 30 | 16 43 | 6 33 |
| F 15 | 8 38 | 26 4 | 3 12 | 4 18 | 1 44 | 24 27 | 7 15 | 22 5 | 0 49 | 16 42 | 0 54 | 21 52 | 0 25 | 22 34 | 0 1 | 14 45 | 0 2 | 11 4 | 11 47 | 15 17 | 15 30 | 25 32 | 16 44 | 6 32 |
| S 16 | 8 59 | 27 18 | 4 0 | 5 3 | 1 40 | 24 29 | 7 18 | 22 12 | 0 50 | 16 45 | 0 54 | 21 52 | 0 25 | 22 35 | 0 1 | 14 45 | 0 2 | 11 4 | 11 47 | 15 17 | 15 29 | 25 33 | 16 44 | 6 32 |
| S 17 | 9 21 | 27 17 | 4 37 | 5 47 | 1 37 | 24 29 | 7 21 | 22 19 | 0 50 | 16 49 | 0 53 | 21 52 | 0 25 | 22 35 | 0 1 | 14 45 | 0 2 | 11 5 | 11 46 | 15 18 | 15 28 | 25 35 | 16 45 | 6 31 |
| M18 | 9 43 | 26 0 | 5 3 | 6 32 | 1 32 | 24 29 | 7 23 | 22 26 | 0 51 | 16 52 | 0 53 | 21 51 | 0 25 | 22 35 | 0 1 | 14 45 | 0 2 | 11 5 | 11 46 | 15 18 | 15 27 | 25 36 | 16 45 | 6 31 |
| T 19 | 10 4 | 23 28 | 5 15 | 7 16 | 1 28 | 24 27 | 7 25 | 22 33 | 0 51 | 16 55 | 0 53 | 21 51 | 0 25 | 22 36 | 0 1 | 14 45 | 0 2 | 11 6 | 11 46 | 15 18 | 15 26 | 25 37 | 16 45 | 6 30 |
| W20 | 10 25 | 19 47 | 5 13 | 8 0 | 1 23 | 24 24 | 7 26 | 22 40 | 0 51 | 16 59 | 0 53 | 21 51 | 0 25 | 22 36 | 0 1 | 14 45 | 0 2 | 11 6 | 11 45 | 15 17 | 15 25 | 25 39 | 16 46 | 6 30 |
| T 21 | 10 46 | 15 5 | 4 56 | 8 43 | 1 17 | 24 20 | 7 26 | 22 47 | 0 52 | 17 2 | 0 53 | 21 51 | 0 25 | 22 36 | 0 1 | 14 45 | 0 2 | 11 7 | 11 45 | 15 17 | 15 24 | 25 40 | 16 46 | 6 30 |
| F 22 | 11 7 | 9 33 | 4 22 | 9 27 | 1 12 | 24 15 | 7 26 | 22 53 | 0 52 | 17 6 | 0 53 | 21 50 | 0 25 | 22 36 | 0 1 | 14 46 | 0 2 | 11 7 | 11 44 | 15 16 | 15 23 | 25 41 | 16 46 | 6 29 |
| S 23 | 11 28 | 3 22 | 3 32 | 10 9 | 1 6 | 24 8 | 7 25 | 22 59 | 0 53 | 17 9 | 0 53 | 21 50 | 0 24 | 22 37 | 0 1 | 14 46 | 0 2 | 11 8 | 11 44 | 15 16 | 15 22 | 25 43 | 16 47 | 6 29 |
| S 24 | 11 48 | 3n 9 | 2 28 | 10 51 | 1 0 | 23 59 | 7 23 | 23 5 | 0 53 | 17 12 | 0 53 | 21 50 | 0 24 | 22 37 | 0 1 | 14 46 | 0 2 | 11 8 | 11 44 | 15 16 | 15 21 | 25 44 | 16 47 | 6 28 |
| M25 | 12 9 | 9 40 | 1 14 | 11 32 | 0 54 | 23 50 | 7 21 | 23 11 | 0 54 | 17 16 | 0 53 | 21 50 | 0 24 | 22 37 | 0 1 | 14 46 | 0 2 | 11 9 | 11 43 | 15 15 | 15 20 | 25 45 | 16 47 | 6 28 |
| T 26 | 12 29 | 15 47 | 0n 8 | 12 13 | 0 47 | 23 38 | 7 17 | 23 16 | 0 54 | 17 19 | 0 53 | 21 49 | 0 24 | 22 38 | 0 1 | 14 46 | 0 2 | 11 9 | 11 43 | 15 15 | 15 19 | 25 47 | 16 48 | 6 27 |
| W27 | 12 49 | 21 2 | 1 29 | 12 53 | 0 41 | 23 26 | 7 13 | 23 21 | 0 54 | 17 22 | 0 52 | 21 49 | 0 24 | 22 38 | 0 1 | 14 46 | 0 2 | 11 10 | 11 43 | 15 15 | 15 18 | 25 48 | 16 48 | 6 27 |
| T 28 | 13 9 | 24 55 | 2 44 | 13 32 | 0 34 | 23 12 | 7 8 | 23 26 | 0 55 | 17 26 | 0 52 | 21 49 | 0 24 | 22 38 | 0 1 | 14 46 | 0 2 | 11 10 | 11 42 | 15 16 | 15 17 | 25 49 | 16 48 | 6 27 |
| F 29 | 13 29 | 27 5 | 3 48 | 14 10 | 0 28 | 22 57 | 7 3 | 23 31 | 0 55 | 17 29 | 0 52 | 21 48 | 0 24 | 22 39 | 0 1 | 14 46 | 0 2 | 11 11 | 11 42 | 15 16 | 15 16 | 25 51 | 16 48 | 6 26 |
| S 30 | 13 48 | 27 21 | 4 36 | 14 47 | 0 21 | 22 41 | 6 56 | 23 36 | 0 56 | 17 32 | 0 52 | 21 48 | 0 24 | 22 39 | 0 1 | 14 46 | 0 2 | 11 11 | 11 42 | 15 16 | 15 15 | 25 52 | 16 49 | 6 26 |
| S 31 | 14s 7 | 25n48 | 5n 6 | 15s24 | 0n14 | 22s23 | 6s49 | 23s40 | 0s56 | 17s36 | 0n52 | 21s48 | 0n24 | 22s39 | 0n 1 | 14s46 | 0n 2 | 11s12 | 11n41 | 15n16 | 15n14 | 25s53 | 16s49 | 6n25 |

Julian Day Number = 2813408.5, Delta T = 53m52s
Ecliptic obliquity = 23°18'46, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'34, Lahiri = 37°43'35


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# ASTRODIENST EPHEMERIS for the year 2990
# geocentric

## NOVEMBER 2990 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 2 43 31 | 9♏ 2'36 | 10♌11 | 14♏32 | 13°R12 | 18♐22 | 23♏15 | 17♑31 | 16♐51 | 19♒48 | 18♐48 | 11°R42 | 11♉34 | 18♐32 | 4♑42 | M 1 |
| T 2 | 2 47 28 | 10° 2'05 | 23°48 | 16°10 | 12♏36 | 19° 5 | 23°28 | 17°35 | 16°54 | 19°48 | 18°50 | 11♉42 | 11°31 | 18°39 | 4°47 | T 2 |
| W 3 | 2 51 24 | 11° 1'37 | 7♍ 6 | 17°47 | 11°59 | 19°48 | 23°41 | 17°39 | 16°57 | 19°48 | 18°52 | 11°42 | 11°28 | 18°46 | 4°52 | W 3 |
| T 4 | 2 55 21 | 12° 1'10 | 20° 7 | 19°24 | 11°23 | 20°31 | 23°54 | 17°44 | 17° 1 | 19°48 | 18°54 | 11°D42 | 11°25 | 18°52 | 4°57 | T 4 |
| F 5 | 2 59 17 | 13° 0'46 | 2♎53 | 21° 0 | 10°46 | 21°14 | 24° 7 | 17°48 | 17° 4 | 19°48 | 18°56 | 11°42 | 11°21 | 18°59 | 5° 2 | F 5 |
| S 6 | 3 3 14 | 14° 0'24 | 15°25 | 22°35 | 10°10 | 21°57 | 24°20 | 17°52 | 17° 7 | 19°49 | 18°58 | 11°43 | 11°18 | 19° 6 | 5° 7 | S 6 |
| S 7 | 3 7 11 | 15° 0'04 | 27°45 | 24°10 | 9°34 | 22°40 | 24°33 | 17°56 | 17°10 | 19°49 | 19° 0 | 11°43 | 11°15 | 19°12 | 5°12 | S 7 |
| M 8 | 3 11 7 | 15°59'46 | 9♏55 | 25°44 | 8°59 | 23°23 | 24°46 | 18° 1 | 17°14 | 19°49 | 19° 2 | 11°R43 | 11°12 | 19°19 | 5°17 | M 8 |
| T 9 | 3 15 4 | 16°59'30 | 21°57 | 27°18 | 8°25 | 24° 7 | 24°59 | 18° 5 | 17°17 | 19°49 | 19° 4 | 11°43 | 11° 9 | 19°26 | 5°22 | T 9 |
| W10 | 3 19 0 | 17°59'16 | 3♐52 | 28°51 | 7°52 | 24°50 | 25°12 | 18°10 | 17°20 | 19°50 | 19° 7 | 11°42 | 11° 5 | 19°32 | 5°28 | W10 |
| T 11 | 3 22 57 | 18°59'04 | 15°43 | 0♐24 | 7°21 | 25°33 | 25°25 | 18°15 | 17°24 | 19°50 | 19° 9 | 11°42 | 11° 2 | 19°39 | 5°33 | T 11 |
| F 12 | 3 26 53 | 19°58'53 | 27°31 | 1°56 | 6°51 | 26°17 | 25°38 | 18°19 | 17°27 | 19°50 | 19°11 | 11°41 | 10°59 | 19°46 | 5°38 | F 12 |
| S 13 | 3 30 50 | 20°58'45 | 9♑21 | 3°28 | 6°23 | 27° 1 | 25°51 | 18°24 | 17°30 | 19°51 | 19°13 | 11°39 | 10°56 | 19°53 | 5°44 | S 13 |
| S 14 | 3 34 46 | 21°58'38 | 21°14 | 4°59 | 5°57 | 27°44 | 26° 4 | 18°29 | 17°34 | 19°51 | 19°15 | 11°38 | 10°53 | 19°59 | 5°49 | S 14 |
| M15 | 3 38 43 | 22°58'33 | 3♒14 | 6°29 | 5°33 | 28°28 | 26°17 | 18°34 | 17°37 | 19°52 | 19°17 | 11°37 | 10°50 | 20° 6 | 5°55 | M15 |
| T 16 | 3 42 40 | 23°58'29 | 15°27 | 8° 0 | 5°11 | 29°12 | 26°31 | 18°39 | 17°41 | 19°52 | 19°19 | 11°36 | 10°46 | 20°13 | 6° 0 | T 16 |
| W17 | 3 46 36 | 24°58'27 | 27°55 | 9°29 | 4°51 | 29°56 | 26°44 | 18°44 | 17°44 | 19°53 | 19°22 | 11°D36 | 10°43 | 20°19 | 6° 6 | W17 |
| T 18 | 3 50 33 | 25°58'26 | 10♓44 | 10°58 | 4°34 | 0♑39 | 26°57 | 18°49 | 17°48 | 19°53 | 19°24 | 11°36 | 10°40 | 20°26 | 6°11 | T 18 |
| F 19 | 3 54 29 | 26°58'27 | 23°57 | 12°27 | 4°19 | 1°23 | 27°10 | 18°54 | 17°51 | 19°54 | 19°26 | 11°37 | 10°37 | 20°33 | 6°17 | F 19 |
| S 20 | 3 58 26 | 27°58'29 | 7♈36 | 13°55 | 4° 7 | 2° 8 | 27°23 | 19° 0 | 17°55 | 19°54 | 19°28 | 11°39 | 10°34 | 20°39 | 6°23 | S 20 |
| S 21 | 4 2 22 | 28°58'33 | 21°43 | 15°23 | 3°57 | 2°52 | 27°36 | 19° 5 | 17°58 | 19°55 | 19°30 | 11°40 | 10°31 | 20°46 | 6°29 | S 21 |
| M22 | 4 6 19 | 29°58'39 | 6♉15 | 16°50 | 3°49 | 3°36 | 27°49 | 19°10 | 18° 2 | 19°56 | 19°33 | 11°R40 | 10°27 | 20°53 | 6°34 | M22 |
| T 23 | 4 10 15 | 0♐58'46 | 21° 9 | 18°16 | 3°44 | 4°20 | 28° 2 | 19°16 | 18° 5 | 19°57 | 19°35 | 11°40 | 10°24 | 20°59 | 6°40 | T 23 |
| W24 | 4 14 12 | 1°58'55 | 6♊17 | 19°42 | 3°41 | 5° 4 | 28°16 | 19°21 | 18° 9 | 19°57 | 19°37 | 11°39 | 10°21 | 21° 6 | 6°46 | W24 |
| T 25 | 4 18 9 | 2°59'06 | 21°29 | 21° 7 | 3°D41 | 5°49 | 28°29 | 19°27 | 18°13 | 19°58 | 19°39 | 11°37 | 10°18 | 21°13 | 6°52 | T 25 |
| F 26 | 4 22 5 | 3°59'19 | 6♋37 | 22°31 | 3°44 | 6°33 | 28°42 | 19°32 | 18°16 | 19°59 | 19°42 | 11°34 | 10°15 | 21°19 | 6°58 | F 26 |
| S 27 | 4 26 2 | 4°59'34 | 21°30 | 23°55 | 3°48 | 7°18 | 28°55 | 19°38 | 18°20 | 20° 0 | 19°44 | 11°31 | 10°11 | 21°26 | 7° 4 | S 27 |
| S 28 | 4 29 58 | 5°59'50 | 6♌ 2 | 25°18 | 3°55 | 8° 2 | 29° 8 | 19°44 | 18°24 | 20° 1 | 19°46 | 11°28 | 10° 8 | 21°33 | 7°10 | S 28 |
| M29 | 4 33 55 | 7° 0'09 | 20° 9 | 26°40 | 4° 5 | 8°47 | 29°21 | 19°50 | 18°27 | 20° 2 | 19°49 | 11°26 | 10° 5 | 21°39 | 7°16 | M29 |
| T 30 | 4 37 51 | 8♐ 0'29 | 3♍49 | 28♐ 1 | 4♏16 | 9♑32 | 29♏34 | 19♑55 | 18♐31 | 20♒ 3 | 19♐51 | 11°D25 | 10♉ 2 | 21♐46 | 7♑22 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 14s26 | 22n41 | 5n17 | 16s 0 | 0n 7 | 22s 4 | 6s41 | 23s45 | 0s56 | 17s39 | 0n52 | 21s47 | 0n23 | 22s40 | 0n 1 | 14s46 | 0n 2 | 11s12 | 11n41 | 15n16 | 15n13 | 25s55 | 16s49 | 6n25 | M 1 |
| T 2 | 14 45 | 18 24 | 5 11 | 16 35 | 0 0 | 21 45 | 6 32 | 23 49 | 0 57 | 17 42 | 0 52 | 21 47 | 0 23 | 22 40 | 0 1 | 14 46 | 0 2 | 11 13 | 11 41 | 15 16 | 15 12 | 25 56 | 16 49 | 6 25 | T 2 |
| W 3 | 15 3 | 13 18 | 4 47 | 17 9 | 0s 6 | 21 24 | 6 22 | 23 52 | 0 57 | 17 45 | 0 52 | 21 46 | 0 23 | 22 40 | 0 0 | 14 46 | 0 2 | 11 13 | 11 40 | 15 16 | 15 11 | 25 57 | 16 49 | 6 24 | W 3 |
| T 4 | 15 22 | 7 43 | 4 9 | 17 42 | 0 13 | 21 3 | 6 11 | 23 56 | 0 58 | 17 49 | 0 52 | 21 46 | 0 23 | 22 40 | 0 0 | 14 46 | 0 2 | 11 13 | 11 40 | 15 16 | 15 10 | 25 58 | 16 50 | 6 24 | T 4 |
| F 5 | 15 40 | 1 55 | 3 19 | 18 14 | 0 20 | 20 40 | 6 0 | 23 59 | 0 58 | 17 52 | 0 52 | 21 45 | 0 23 | 22 41 | 0 0 | 14 46 | 0 2 | 11 14 | 11 40 | 15 16 | 15 9 | 26 0 | 16 50 | 6 23 | F 5 |
| S 6 | 15 58 | 3s52 | 2 21 | 18 45 | 0 27 | 20 18 | 5 48 | 24 2 | 0 58 | 17 55 | 0 52 | 21 45 | 0 23 | 22 41 | 0 0 | 14 46 | 0 2 | 11 14 | 11 39 | 15 16 | 15 9 | 26 1 | 16 50 | 6 23 | S 6 |
| S 7 | 16 15 | 9 25 | 1 17 | 19 16 | 0 34 | 19 54 | 5 36 | 24 5 | 0 59 | 17 58 | 0 52 | 21 45 | 0 23 | 22 41 | 0 0 | 14 46 | 0 2 | 11 15 | 11 39 | 15 16 | 15 8 | 26 2 | 16 50 | 6 23 | S 7 |
| M 8 | 16 32 | 14 33 | 0 10 | 19 45 | 0 41 | 19 31 | 5 23 | 24 8 | 0 59 | 18 1 | 0 52 | 21 44 | 0 23 | 22 42 | 0 0 | 14 46 | 0 2 | 11 15 | 11 39 | 15 16 | 15 7 | 26 3 | 16 50 | 6 22 | M 8 |
| T 9 | 16 49 | 19 4 | 0s57 | 20 13 | 0 47 | 19 7 | 5 9 | 24 10 | 0 59 | 18 5 | 0 51 | 21 44 | 0 23 | 22 42 | 0 0 | 14 46 | 0 2 | 11 16 | 11 38 | 15 16 | 15 6 | 26 5 | 16 50 | 6 22 | T 9 |
| W10 | 17 6 | 22 46 | 2 0 | 20 40 | 0 54 | 18 43 | 4 56 | 24 12 | 1 0 | 18 8 | 0 51 | 21 43 | 0 22 | 22 42 | 0 0 | 14 46 | 0 2 | 11 16 | 11 38 | 15 16 | 15 5 | 26 6 | 16 51 | 6 22 | W10 |
| T 11 | 17 22 | 25 30 | 2 58 | 21 7 | 1 0 | 18 19 | 4 41 | 24 14 | 1 0 | 18 11 | 0 51 | 21 43 | 0 22 | 22 43 | 0 0 | 14 46 | 0 2 | 11 17 | 11 38 | 15 16 | 15 4 | 26 7 | 16 51 | 6 21 | T 11 |
| F 12 | 17 39 | 27 5 | 3 48 | 21 32 | 1 7 | 17 56 | 4 27 | 24 16 | 1 0 | 18 14 | 0 51 | 21 42 | 0 22 | 22 43 | 0 0 | 14 46 | 0 2 | 11 17 | 11 38 | 15 15 | 15 3 | 26 8 | 16 51 | 6 21 | F 12 |
| S 13 | 17 54 | 27 26 | 4 28 | 21 56 | 1 13 | 17 32 | 4 12 | 24 17 | 1 1 | 18 17 | 0 51 | 21 41 | 0 22 | 22 43 | 0 0 | 14 45 | 0 2 | 11 17 | 11 37 | 15 15 | 15 2 | 26 10 | 16 51 | 6 21 | S 13 |
| S 14 | 18 10 | 26 32 | 4 57 | 22 19 | 1 19 | 17 10 | 3 57 | 24 19 | 1 1 | 18 20 | 0 51 | 21 41 | 0 22 | 22 44 | 0 0 | 14 45 | 0 2 | 11 18 | 11 37 | 15 15 | 15 1 | 26 11 | 16 51 | 6 20 | S 14 |
| M15 | 18 25 | 24 24 | 5 13 | 22 41 | 1 25 | 16 47 | 3 42 | 24 19 | 1 1 | 18 24 | 0 51 | 21 40 | 0 22 | 22 44 | 0 0 | 14 45 | 0 2 | 11 18 | 11 37 | 15 14 | 15 0 | 26 12 | 16 51 | 6 20 | M15 |
| T 16 | 18 40 | 21 9 | 5 16 | 23 1 | 1 31 | 16 26 | 3 27 | 24 20 | 1 2 | 18 27 | 0 51 | 21 40 | 0 22 | 22 44 | 0 0 | 14 45 | 0 2 | 11 19 | 11 37 | 15 14 | 14 59 | 26 13 | 16 51 | 6 20 | T 16 |
| W17 | 18 55 | 16 53 | 5 4 | 23 21 | 1 37 | 16 5 | 3 12 | 24 21 | 1 2 | 18 30 | 0 51 | 21 39 | 0 22 | 22 45 | 0 0 | 14 45 | 0 2 | 11 19 | 11 36 | 15 14 | 14 58 | 26 14 | 16 51 | 6 20 | W17 |
| T 18 | 19 9 | 11 46 | 4 37 | 23 40 | 1 42 | 15 45 | 2 57 | 24 21 | 1 2 | 18 33 | 0 51 | 21 39 | 0 22 | 22 45 | 0 0 | 14 45 | 0 2 | 11 19 | 11 36 | 15 14 | 14 57 | 26 15 | 16 51 | 6 19 | T 18 |
| F 19 | 19 23 | 5 59 | 3 54 | 23 57 | 1 48 | 15 26 | 2 42 | 24 21 | 1 2 | 18 36 | 0 51 | 21 38 | 0 22 | 22 45 | 0 0 | 14 45 | 0 2 | 11 20 | 11 36 | 15 14 | 14 56 | 26 17 | 16 51 | 6 19 | F 19 |
| S 20 | 19 36 | 0n17 | 2 57 | 24 13 | 1 53 | 15 7 | 2 27 | 24 20 | 1 3 | 18 39 | 0 51 | 21 37 | 0 21 | 22 46 | 0 0 | 14 44 | 0 2 | 11 20 | 11 36 | 15 15 | 14 55 | 26 18 | 16 51 | 6 19 | S 20 |
| S 21 | 19 49 | 6 45 | 1 48 | 24 28 | 1 58 | 14 50 | 2 12 | 24 20 | 1 3 | 18 42 | 0 51 | 21 37 | 0 21 | 22 46 | 0 0 | 14 44 | 0 2 | 11 21 | 11 35 | 15 15 | 14 54 | 26 19 | 16 51 | 6 19 | S 21 |
| M22 | 20 2 | 13 4 | 0 30 | 24 42 | 2 3 | 14 34 | 1 58 | 24 19 | 1 3 | 18 45 | 0 51 | 21 36 | 0 21 | 22 46 | 0 0 | 14 44 | 0 2 | 11 21 | 11 35 | 15 15 | 14 53 | 26 20 | 16 51 | 6 18 | M22 |
| T 23 | 20 15 | 18 47 | 0n52 | 24 54 | 2 7 | 14 19 | 1 43 | 24 18 | 1 3 | 18 48 | 0 51 | 21 35 | 0 21 | 22 47 | 0 0 | 14 44 | 0 2 | 11 21 | 11 35 | 15 15 | 14 52 | 26 21 | 16 51 | 6 18 | T 23 |
| W24 | 20 27 | 23 24 | 2 12 | 25 6 | 2 11 | 14 5 | 1 29 | 24 17 | 1 4 | 18 51 | 0 51 | 21 35 | 0 21 | 22 47 | 0 0 | 14 43 | 0 2 | 11 22 | 11 35 | 15 15 | 14 51 | 26 22 | 16 51 | 6 18 | W24 |
| T 25 | 20 39 | 26 24 | 3 22 | 25 16 | 2 15 | 13 52 | 1 16 | 24 15 | 1 4 | 18 54 | 0 51 | 21 34 | 0 21 | 22 47 | 0 0 | 14 43 | 0 2 | 11 22 | 11 35 | 15 14 | 14 50 | 26 23 | 16 51 | 6 18 | T 25 |
| F 26 | 20 50 | 27 27 | 4 18 | 25 25 | 2 19 | 13 40 | 1 2 | 24 13 | 1 4 | 18 56 | 0 51 | 21 33 | 0 21 | 22 48 | 0 0 | 14 43 | 0 2 | 11 22 | 11 34 | 15 13 | 14 49 | 26 25 | 16 51 | 6 17 | F 26 |
| S 27 | 21 1 | 26 28 | 4 56 | 25 32 | 2 22 | 13 29 | 0 49 | 24 11 | 1 4 | 18 59 | 0 51 | 21 33 | 0 21 | 22 48 | 0 0 | 14 43 | 0 2 | 11 23 | 11 34 | 15 12 | 14 48 | 26 26 | 16 51 | 6 17 | S 27 |
| S 28 | 21 12 | 23 43 | 5 13 | 25 39 | 2 25 | 13 20 | 0 37 | 24 9 | 1 5 | 19 2 | 0 51 | 21 32 | 0 21 | 22 48 | 0 0 | 14 42 | 0 2 | 11 23 | 11 34 | 15 12 | 14 47 | 26 27 | 16 51 | 6 17 | S 28 |
| M29 | 21 22 | 19 36 | 5 11 | 25 44 | 2 27 | 13 11 | 0 24 | 24 6 | 1 5 | 19 5 | 0 51 | 21 31 | 0 21 | 22 49 | 0 0 | 14 42 | 0 2 | 11 23 | 11 34 | 15 11 | 14 46 | 26 28 | 16 51 | 6 17 | M29 |
| T 30 | 21s32 | 14n34 | 4n51 | 25s48 | 2s30 | 13s 4 | 0s12 | 24s 3 | 1s 5 | 19s 8 | 0n50 | 21s30 | 0n20 | 22s49 | 0n 0 | 14s42 | 0n 2 | 11s24 | 11n34 | 15n11 | 14n45 | 26s29 | 16s50 | 6n17 | T 30 |

Julian Day Number = 2813439.5, Delta T = 53m53s
Ecliptic obliquity = 23°18'46, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'38, Lahiri = 37°43'39


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# ASTRODIENST EPHEMERIS for the year 2990
# geocentric

## DECEMBER 2990 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 4 41 48 | 9♐ 0'51 | 17♍ 4 | 29♐20 | 4♏30 | 10♑16 | 29♏47 | 20♑ 1 | 18♐35 | 20♒ 4 | 19♐53 | 11♉25 | 9♉59 | 21♐53 | 7♑29 | W 1 |
| T 2 | 4 45 45 | 10° 1'15 | 29°56 | 0♑39 | 4°46 | 11° 1 | 0♐ 0 | 20° 7 | 18°38 | 20° 5 | 19°56 | 11°26 | 9°56 | 21°59 | 7°35 | T 2 |
| F 3 | 4 49 41 | 11° 1'41 | 12♎30 | 1°56 | 5° 3 | 11°46 | 0°13 | 20°13 | 18°42 | 20° 6 | 19°58 | 11°28 | 9°52 | 22° 6 | 7°41 | F 3 |
| S 4 | 4 53 38 | 12° 2'08 | 24°48 | 3°11 | 5°23 | 12°31 | 0°26 | 20°19 | 18°46 | 20° 7 | 20° 0 | 11°30 | 9°49 | 22°13 | 7°47 | S 4 |
| S 5 | 4 57 34 | 13° 2'38 | 6♏54 | 4°25 | 5°45 | 13°16 | 0°39 | 20°25 | 18°49 | 20° 8 | 20° 3 | 11°R31 | 9°46 | 22°19 | 7°53 | S 5 |
| M 6 | 5 1 31 | 14° 3'09 | 18°53 | 5°36 | 6° 9 | 14° 1 | 0°52 | 20°32 | 18°53 | 20° 9 | 20° 5 | 11°30 | 9°43 | 22°26 | 8° 0 | M 6 |
| T 7 | 5 5 27 | 15° 3'41 | 0♐46 | 6°45 | 6°34 | 14°46 | 1° 5 | 20°38 | 18°57 | 20°10 | 20° 7 | 11°29 | 9°40 | 22°33 | 8° 6 | T 7 |
| W 8 | 5 9 24 | 16° 4'16 | 12°37 | 7°52 | 7° 1 | 15°31 | 1°18 | 20°44 | 19° 0 | 20°12 | 20°10 | 11°25 | 9°37 | 22°39 | 8°13 | W 8 |
| T 9 | 5 13 20 | 17° 4'51 | 24°26 | 8°55 | 7°30 | 16°17 | 1°31 | 20°50 | 19° 4 | 20°13 | 20°12 | 11°20 | 9°33 | 22°46 | 8°19 | T 9 |
| F 10 | 5 17 17 | 18° 5'28 | 6♑16 | 9°55 | 8° 1 | 17° 2 | 1°44 | 20°57 | 19° 8 | 20°14 | 20°14 | 11°13 | 9°30 | 22°53 | 8°25 | F 10 |
| S 11 | 5 21 14 | 19° 6'07 | 18° 8 | 10°51 | 8°32 | 17°47 | 1°57 | 21° 3 | 19°12 | 20°15 | 20°17 | 11° 6 | 9°27 | 23° 0 | 8°32 | S 11 |
| S 12 | 5 25 10 | 20° 6'46 | 0♒ 6 | 11°42 | 9° 6 | 18°33 | 2°10 | 21° 9 | 19°15 | 20°17 | 20°19 | 10°58 | 9°24 | 23° 6 | 8°38 | S 12 |
| M13 | 5 29 7 | 21° 7'27 | 12°10 | 12°28 | 9°41 | 19°18 | 2°23 | 21°16 | 19°19 | 20°18 | 20°21 | 10°51 | 9°21 | 23°13 | 8°45 | M13 |
| T 14 | 5 33 3 | 22° 8'09 | 24°23 | 13° 9 | 10°17 | 20° 4 | 2°36 | 21°22 | 19°23 | 20°19 | 20°24 | 10°46 | 9°17 | 23°20 | 8°51 | T 14 |
| W15 | 5 37 0 | 23° 8'52 | 6♓50 | 13°43 | 10°55 | 20°49 | 2°48 | 21°29 | 19°26 | 20°21 | 20°26 | 10°43 | 9°14 | 23°26 | 8°58 | W15 |
| T 16 | 5 40 56 | 24° 9'35 | 19°33 | 14° 9 | 11°33 | 21°35 | 3° 1 | 21°35 | 19°30 | 20°22 | 20°28 | 10°D41 | 9°11 | 23°33 | 9° 4 | T 16 |
| F 17 | 5 44 53 | 25°10'20 | 2♈37 | 14°28 | 12°13 | 22°21 | 3°14 | 21°42 | 19°34 | 20°24 | 20°31 | 10°41 | 9° 8 | 23°40 | 9°11 | F 17 |
| S 18 | 5 48 49 | 26°11'05 | 16° 5 | 14°R37 | 12°55 | 23° 6 | 3°26 | 21°49 | 19°38 | 20°25 | 20°33 | 10°42 | 9° 5 | 23°46 | 9°17 | S 18 |
| S 19 | 5 52 46 | 27°11'52 | 29°59 | 14°37 | 13°37 | 23°52 | 3°39 | 21°55 | 19°41 | 20°27 | 20°36 | 10°44 | 9° 2 | 23°53 | 9°24 | S 19 |
| M20 | 5 56 43 | 28°12'39 | 14♉20 | 14°26 | 14°21 | 24°38 | 3°52 | 22° 2 | 19°45 | 20°28 | 20°38 | 10°R44 | 8°58 | 24° 0 | 9°31 | M20 |
| T 21 | 6 0 39 | 29°13'27 | 29° 6 | 14° 5 | 15° 5 | 25°24 | 4° 4 | 22° 9 | 19°49 | 20°30 | 20°40 | 10°43 | 8°55 | 24° 6 | 9°37 | T 21 |
| W22 | 6 4 36 | 0♑14'16 | 14♊12 | 13°32 | 15°51 | 26°10 | 4°17 | 22°15 | 19°52 | 20°31 | 20°43 | 10°39 | 8°52 | 24°13 | 9°44 | W22 |
| T 23 | 6 8 32 | 1°15'07 | 29°30 | 12°47 | 16°37 | 26°56 | 4°29 | 22°22 | 19°56 | 20°33 | 20°45 | 10°33 | 8°49 | 24°20 | 9°50 | T 23 |
| F 24 | 6 12 29 | 2°15'58 | 14♋48 | 11°53 | 17°25 | 27°42 | 4°42 | 22°29 | 20° 0 | 20°35 | 20°47 | 10°25 | 8°46 | 24°26 | 9°57 | F 24 |
| S 25 | 6 16 25 | 3°16'50 | 29°56 | 10°48 | 18°13 | 28°28 | 4°54 | 22°36 | 20° 3 | 20°36 | 20°50 | 10°17 | 8°43 | 24°33 | 10° 4 | S 25 |
| S 26 | 6 20 22 | 4°17'43 | 14♌43 | 9°35 | 19° 2 | 29°14 | 5° 6 | 22°43 | 20° 7 | 20°38 | 20°52 | 10° 9 | 8°39 | 24°40 | 10°10 | S 26 |
| M27 | 6 24 19 | 5°18'37 | 29° 4 | 8°16 | 19°52 | 0♒ 0 | 5°18 | 22°50 | 20°11 | 20°40 | 20°54 | 10° 2 | 8°36 | 24°46 | 10°17 | M27 |
| T 28 | 6 28 15 | 6°19'33 | 12♍55 | 6°54 | 20°43 | 0°46 | 5°31 | 22°56 | 20°14 | 20°42 | 20°56 | 9°57 | 8°33 | 24°53 | 10°24 | T 28 |
| W29 | 6 32 12 | 7°20'29 | 26°16 | 5°31 | 21°35 | 1°33 | 5°43 | 23° 3 | 20°18 | 20°43 | 20°59 | 9°54 | 8°30 | 25° 0 | 10°30 | W29 |
| T 30 | 6 36 8 | 8°21'26 | 9♎10 | 4°10 | 22°27 | 2°19 | 5°55 | 23°10 | 20°21 | 20°45 | 21° 1 | 9°D54 | 8°27 | 25° 7 | 10°37 | T 30 |
| F 31 | 6 40 5 | 9♑22'25 | 21♎41 | 2♑53 | 23♏21 | 3♒ 5 | 6♐ 7 | 23♑17 | 20♐25 | 20♒47 | 21♐ 3 | 9♉54 | 8♉23 | 25♐13 | 10♑44 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 21s41 | 9n 1 | 4n16 | 25s50 | 2s31 | 12s58 | 0s 1 | 24s 0 | 1s 5 | 19s11 | 0n50 | 21s30 | 0n20 | 22s49 | 0n 0 | 14s42 | 0n 2 | 11s24 | 11n34 | 15n11 | 14n44 | 26s30 | 16s50 | 6n16 |
| T 2 | 21 50 | 3 13 | 3 29 | 25 51 | 2 33 | 12 52 | 0n11 | 23 57 | 1 6 | 19 13 | 0 50 | 21 29 | 0 20 | 22 50 | 0 0 | 14 41 | 0 2 | 11 24 | 11 33 | 15 11 | 14 43 | 26 31 | 16 50 | 6 16 |
| F 3 | 21 59 | 2s34 | 2 33 | 25 51 | 2 34 | 12 48 | 0 22 | 23 53 | 1 6 | 19 16 | 0 50 | 21 28 | 0 20 | 22 50 | 0 0 | 14 41 | 0 2 | 11 25 | 11 33 | 15 12 | 14 42 | 26 32 | 16 50 | 6 16 |
| S 4 | 22 7 | 8 9 | 1 30 | 25 50 | 2 34 | 12 45 | 0 32 | 23 49 | 1 6 | 19 19 | 0 50 | 21 27 | 0 20 | 22 50 | 0 0 | 14 41 | 0 2 | 11 25 | 11 33 | 15 12 | 14 41 | 26 33 | 16 50 | 6 16 |
| S 5 | 22 15 | 13 21 | 0 25 | 25 48 | 2 34 | 12 42 | 0 42 | 23 45 | 1 6 | 19 22 | 0 50 | 21 26 | 0 20 | 22 51 | 0 0 | 14 40 | 0 2 | 11 25 | 11 33 | 15 12 | 14 40 | 26 34 | 16 50 | 6 16 |
| M 6 | 22 22 | 18 0 | 0s40 | 25 44 | 2 33 | 12 41 | 0 52 | 23 41 | 1 6 | 19 24 | 0 50 | 21 26 | 0 20 | 22 51 | 0 0 | 14 40 | 0 1 | 11 25 | 11 33 | 15 12 | 14 39 | 26 35 | 16 49 | 6 16 |
| T 7 | 22 29 | 21 53 | 1 43 | 25 39 | 2 31 | 12 40 | 1 1 | 23 36 | 1 6 | 19 27 | 0 50 | 21 25 | 0 20 | 22 51 | 0 0 | 14 40 | 0 1 | 11 26 | 11 33 | 15 12 | 14 38 | 26 36 | 16 49 | 6 15 |
| W 8 | 22 35 | 24 52 | 2 42 | 25 33 | 2 29 | 12 40 | 1 11 | 23 31 | 1 7 | 19 30 | 0 50 | 21 24 | 0 20 | 22 51 | 0 0 | 14 39 | 0 1 | 11 26 | 11 33 | 15 11 | 14 37 | 26 37 | 16 49 | 6 15 |
| T 9 | 22 41 | 26 44 | 3 33 | 25 26 | 2 26 | 12 41 | 1 19 | 23 26 | 1 7 | 19 32 | 0 50 | 21 23 | 0 20 | 22 52 | 0 0 | 14 39 | 0 1 | 11 26 | 11 33 | 15 9 | 14 36 | 26 38 | 16 49 | 6 15 |
| F 10 | 22 47 | 27 24 | 4 14 | 25 18 | 2 22 | 12 43 | 1 28 | 23 20 | 1 7 | 19 35 | 0 50 | 21 22 | 0 20 | 22 52 | 0 0 | 14 38 | 0 1 | 11 27 | 11 33 | 15 7 | 14 35 | 26 39 | 16 48 | 6 15 |
| S 11 | 22 52 | 26 48 | 4 45 | 25 9 | 2 17 | 12 46 | 1 36 | 23 15 | 1 7 | 19 37 | 0 50 | 21 21 | 0 19 | 22 52 | 0 0 | 14 38 | 0 1 | 11 27 | 11 32 | 15 5 | 14 34 | 26 40 | 16 48 | 6 15 |
| S 12 | 22 57 | 24 58 | 5 4 | 24 59 | 2 11 | 12 49 | 1 43 | 23 9 | 1 7 | 19 40 | 0 50 | 21 20 | 0 19 | 22 53 | 0 0 | 14 38 | 0 1 | 11 27 | 11 32 | 15 2 | 14 33 | 26 41 | 16 48 | 6 15 |
| M13 | 23 1 | 22 0 | 5 9 | 24 48 | 2 4 | 12 53 | 1 51 | 23 3 | 1 7 | 19 42 | 0 50 | 21 19 | 0 19 | 22 53 | 0 0 | 14 37 | 0 1 | 11 27 | 11 32 | 15 0 | 14 32 | 26 42 | 16 47 | 6 15 |
| T 14 | 23 5 | 18 3 | 5 1 | 24 36 | 1 56 | 12 58 | 1 58 | 22 56 | 1 7 | 19 45 | 0 50 | 21 19 | 0 19 | 22 53 | 0 0 | 14 37 | 0 1 | 11 27 | 11 32 | 14 59 | 14 31 | 26 43 | 16 47 | 6 15 |
| W15 | 23 8 | 13 16 | 4 38 | 24 23 | 1 47 | 13 3 | 2 4 | 22 49 | 1 8 | 19 47 | 0 50 | 21 18 | 0 19 | 22 54 | 0 0 | 14 36 | 0 1 | 11 28 | 11 32 | 14 58 | 14 30 | 26 44 | 16 47 | 6 15 |
| T 16 | 23 11 | 7 49 | 4 1 | 24 10 | 1 37 | 13 9 | 2 11 | 22 42 | 1 8 | 19 50 | 0 50 | 21 17 | 0 19 | 22 54 | 0 0 | 14 36 | 0 1 | 11 28 | 11 32 | 14 57 | 14 29 | 26 45 | 16 46 | 6 15 |
| F 17 | 23 14 | 1 54 | 3 11 | 23 57 | 1 25 | 13 15 | 2 17 | 22 35 | 1 8 | 19 52 | 0 50 | 21 16 | 0 19 | 22 54 | 0 0 | 14 35 | 0 1 | 11 28 | 11 32 | 14 57 | 14 28 | 26 46 | 16 46 | 6 15 |
| S 18 | 23 15 | 4n18 | 2 9 | 23 43 | 1 12 | 13 22 | 2 23 | 22 28 | 1 8 | 19 55 | 0 50 | 21 15 | 0 19 | 22 55 | 0 0 | 14 35 | 0 1 | 11 28 | 11 32 | 14 57 | 14 27 | 26 47 | 16 46 | 6 15 |
| S 19 | 23 17 | 10 30 | 0 58 | 23 28 | 0 58 | 13 29 | 2 28 | 22 20 | 1 8 | 19 57 | 0 50 | 21 14 | 0 19 | 22 55 | 0 0 | 14 35 | 0 1 | 11 29 | 11 32 | 14 58 | 14 26 | 26 48 | 16 45 | 6 14 |
| M20 | 23 18 | 16 22 | 0n19 | 23 14 | 0 42 | 13 37 | 2 33 | 22 12 | 1 8 | 19 59 | 0 50 | 21 13 | 0 19 | 22 55 | 0 0 | 14 34 | 0 1 | 11 29 | 11 32 | 14 58 | 14 25 | 26 49 | 16 45 | 6 14 |
| T 21 | 23 19 | 21 26 | 1 37 | 22 59 | 0 25 | 13 45 | 2 38 | 22 4 | 1 8 | 20 2 | 0 50 | 21 12 | 0 19 | 22 55 | 0 0 | 14 34 | 0 1 | 11 29 | 11 32 | 14 57 | 14 24 | 26 50 | 16 44 | 6 14 |
| W22 | 23 19 | 25 12 | 2 50 | 22 45 | 0 7 | 13 53 | 2 43 | 21 55 | 1 8 | 20 4 | 0 50 | 21 11 | 0 19 | 22 56 | 0 0 | 14 33 | 0 1 | 11 29 | 11 32 | 14 56 | 14 23 | 26 51 | 16 44 | 6 14 |
| T 23 | 23 18 | 27 10 | 3 52 | 22 30 | 0n12 | 14 2 | 2 47 | 21 47 | 1 8 | 20 6 | 0 50 | 21 10 | 0 18 | 22 56 | 0 0 | 14 33 | 0 1 | 11 29 | 11 32 | 14 55 | 14 22 | 26 52 | 16 44 | 6 14 |
| F 24 | 23 18 | 27 4 | 4 36 | 22 15 | 0 32 | 14 12 | 2 52 | 21 38 | 1 8 | 20 8 | 0 50 | 21 9 | 0 18 | 22 56 | 0 0 | 14 32 | 0 1 | 11 29 | 11 32 | 14 52 | 14 21 | 26 53 | 16 43 | 6 14 |
| S 25 | 23 16 | 24 58 | 5 1 | 22 1 | 0 52 | 14 21 | 2 55 | 21 28 | 1 8 | 20 11 | 0 50 | 21 8 | 0 18 | 22 57 | 0s 0 | 14 32 | 0 1 | 11 30 | 11 32 | 14 49 | 14 20 | 26 54 | 16 43 | 6 14 |
| S 26 | 23 15 | 21 11 | 5 5 | 21 46 | 1 12 | 14 31 | 2 59 | 21 19 | 1 8 | 20 13 | 0 50 | 21 7 | 0 18 | 22 57 | 0 0 | 14 31 | 0 1 | 11 30 | 11 32 | 14 47 | 14 19 | 26 55 | 16 42 | 6 14 |
| M27 | 23 12 | 16 15 | 4 49 | 21 32 | 1 31 | 14 41 | 3 2 | 21 9 | 1 8 | 20 15 | 0 50 | 21 6 | 0 18 | 22 57 | 0 0 | 14 30 | 0 1 | 11 30 | 11 32 | 14 45 | 14 18 | 26 55 | 16 42 | 6 14 |
| T 28 | 23 10 | 10 38 | 4 17 | 21 19 | 1 50 | 14 51 | 3 5 | 21 0 | 1 8 | 20 17 | 0 50 | 21 5 | 0 18 | 22 57 | 0 0 | 14 30 | 0 1 | 11 30 | 11 32 | 14 43 | 14 17 | 26 56 | 16 41 | 6 14 |
| W29 | 23 7 | 4 43 | 3 32 | 21 6 | 2 6 | 15 2 | 3 8 | 20 49 | 1 8 | 20 19 | 0 50 | 21 4 | 0 18 | 22 58 | 0 0 | 14 29 | 0 1 | 11 30 | 11 32 | 14 42 | 14 16 | 26 57 | 16 41 | 6 15 |
| T 30 | 23 3 | 1s12 | 2 37 | 20 54 | 2 21 | 15 13 | 3 11 | 20 39 | 1 8 | 20 21 | 0 50 | 21 2 | 0 18 | 22 58 | 0 0 | 14 29 | 0 1 | 11 30 | 11 32 | 14 42 | 14 15 | 26 58 | 16 40 | 6 15 |
| F 31 | 22s59 | 6s55 | 1n36 | 20s44 | 2n33 | 15s23 | 3n13 | 20s28 | 1s 8 | 20s23 | 0n50 | 21s 1 | 0n18 | 22s58 | 0s 0 | 14s28 | 0n 1 | 11s30 | 11n32 | 14n42 | 14n14 | 26s59 | 16s39 | 6n15 |

Julian Day Number = 2813469.5, Delta T = 53m53s
Ecliptic obliquity = 23°18'46, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'43, Lahiri = 37°43'43


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# ASTRODIENST EPHEMERIS for the year 2991
# geocentric

## JANUARY 2991 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 44 1 | 10♑23'24 | 3♏55 | 1°R44 | 24♏14 | 3♒52 | 6♐19 | 23♑24 | 20♐29 | 20♒49 | 21♐ 6 | 9°R55 | 8♉20 | 25♐20 | 10♑50 | S 1 |
| S 2 | 6 47 58 | 11°24'25 | 15°55 | 0♑44 | 25° 9 | 4°38 | 6°31 | 23°31 | 20°32 | 20°51 | 21° 8 | 9♉55 | 8°17 | 25°27 | 10°57 | S 2 |
| M 3 | 6 51 54 | 12°25'26 | 27°48 | 29♐53 | 26° 4 | 5°25 | 6°43 | 23°38 | 20°36 | 20°52 | 21°10 | 9°53 | 8°14 | 25°33 | 11° 4 | M 3 |
| T 4 | 6 55 51 | 13°26'29 | 9♐36 | 29°14 | 27° 0 | 6°11 | 6°55 | 23°45 | 20°39 | 20°54 | 21°12 | 9°49 | 8°11 | 25°40 | 11°10 | T 4 |
| W 5 | 6 59 48 | 14°27'32 | 21°24 | 28°45 | 27°56 | 6°58 | 7° 6 | 23°52 | 20°43 | 20°56 | 21°14 | 9°41 | 8° 8 | 25°47 | 11°17 | W 5 |
| T 6 | 7 3 44 | 15°28'35 | 3♑15 | 28°27 | 28°53 | 7°44 | 7°18 | 23°59 | 20°46 | 20°58 | 21°17 | 9°32 | 8° 4 | 25°53 | 11°24 | T 6 |
| F 7 | 7 7 41 | 16°29'40 | 15° 9 | 28°D20 | 29°51 | 8°31 | 7°30 | 24° 6 | 20°50 | 21° 0 | 21°19 | 9°19 | 8° 1 | 26° 0 | 11°30 | F 7 |
| S 8 | 7 11 37 | 17°30'44 | 27° 9 | 28°22 | 0♐49 | 9°17 | 7°41 | 24°13 | 20°53 | 21° 2 | 21°21 | 9° 6 | 7°58 | 26° 7 | 11°37 | S 8 |
| S 9 | 7 15 34 | 18°31'50 | 9♒15 | 28°33 | 1°47 | 10° 4 | 7°53 | 24°21 | 20°56 | 21° 4 | 21°23 | 8°52 | 7°55 | 26°13 | 11°43 | S 9 |
| M10 | 7 19 30 | 19°32'55 | 21°29 | 28°53 | 2°46 | 10°51 | 8° 4 | 24°28 | 21° 0 | 21° 6 | 21°25 | 8°40 | 7°52 | 26°20 | 11°50 | M10 |
| T 11 | 7 23 27 | 20°34'01 | 3♓51 | 29°21 | 3°46 | 11°38 | 8°16 | 24°35 | 21° 3 | 21° 8 | 21°27 | 8°29 | 7°49 | 26°27 | 11°57 | T 11 |
| W12 | 7 27 23 | 21°35'06 | 16°24 | 29°55 | 4°45 | 12°25 | 8°27 | 24°42 | 21° 6 | 21°10 | 21°30 | 8°21 | 7°45 | 26°34 | 12° 3 | W12 |
| T 13 | 7 31 20 | 22°36'12 | 29°10 | 0♑35 | 5°46 | 13°11 | 8°38 | 24°49 | 21°10 | 21°12 | 21°32 | 8°17 | 7°42 | 26°40 | 12°10 | T 13 |
| F 14 | 7 35 17 | 23°37'18 | 12♈12 | 1°21 | 6°47 | 13°58 | 8°49 | 24°56 | 21°13 | 21°14 | 21°34 | 8°14 | 7°39 | 26°47 | 12°16 | F 14 |
| S 15 | 7 39 13 | 24°38'24 | 25°32 | 2°11 | 7°48 | 14°45 | 9° 0 | 25° 3 | 21°16 | 21°16 | 21°36 | 8°D14 | 7°36 | 26°54 | 12°23 | S 15 |
| S 16 | 7 43 10 | 25°39'29 | 9♉14 | 3° 6 | 8°49 | 15°32 | 9°11 | 25°10 | 21°20 | 21°18 | 21°38 | 8°R14 | 7°33 | 27° 0 | 12°29 | S 16 |
| M17 | 7 47 6 | 26°40'35 | 23°18 | 4° 5 | 9°51 | 16°19 | 9°22 | 25°17 | 21°23 | 21°20 | 21°40 | 8°13 | 7°29 | 27° 7 | 12°36 | M17 |
| T 18 | 7 51 3 | 27°41'40 | 7♊46 | 5° 7 | 10°53 | 17° 6 | 9°33 | 25°24 | 21°26 | 21°23 | 21°42 | 8°11 | 7°26 | 27°14 | 12°42 | T 18 |
| W19 | 7 54 59 | 28°42'46 | 22°34 | 6°12 | 11°56 | 17°53 | 9°44 | 25°32 | 21°29 | 21°25 | 21°44 | 8° 5 | 7°23 | 27°20 | 12°49 | W19 |
| T 20 | 7 58 56 | 29°43'51 | 7♋37 | 7°19 | 12°59 | 18°40 | 9°54 | 25°39 | 21°32 | 21°27 | 21°46 | 7°57 | 7°20 | 27°27 | 12°55 | T 20 |
| F 21 | 8 2 53 | 0♒44'56 | 22°46 | 8°29 | 14° 2 | 19°27 | 10° 5 | 25°46 | 21°35 | 21°29 | 21°48 | 7°46 | 7°17 | 27°34 | 13° 2 | F 21 |
| S 22 | 8 6 49 | 1°46'01 | 7♌51 | 9°42 | 15° 6 | 20°14 | 10°15 | 25°53 | 21°38 | 21°31 | 21°50 | 7°35 | 7°14 | 27°40 | 13° 8 | S 22 |
| S 23 | 8 10 46 | 2°47'06 | 22°40 | 10°56 | 16°10 | 21° 1 | 10°26 | 26° 0 | 21°41 | 21°33 | 21°52 | 7°23 | 7°10 | 27°47 | 13°15 | S 23 |
| M24 | 8 14 42 | 3°48'11 | 7♍ 7 | 12°11 | 17°14 | 21°49 | 10°36 | 26° 7 | 21°44 | 21°36 | 21°54 | 7°12 | 7° 7 | 27°54 | 13°21 | M24 |
| T 25 | 8 18 39 | 4°49'15 | 21° 6 | 13°29 | 18°19 | 22°36 | 10°46 | 26°14 | 21°47 | 21°38 | 21°55 | 7° 4 | 7° 4 | 28° 0 | 13°27 | T 25 |
| W26 | 8 22 35 | 5°50'20 | 4♎35 | 14°47 | 19°24 | 23°23 | 10°56 | 26°21 | 21°50 | 21°40 | 21°57 | 6°59 | 7° 1 | 28° 7 | 13°34 | W26 |
| T 27 | 8 26 32 | 6°51'25 | 17°36 | 16° 7 | 20°29 | 24°10 | 11° 6 | 26°28 | 21°53 | 21°42 | 21°59 | 6°57 | 6°58 | 28°14 | 13°40 | T 27 |
| F 28 | 8 30 28 | 7°52'30 | 0♏11 | 17°28 | 21°34 | 24°57 | 11°16 | 26°35 | 21°56 | 21°44 | 22° 1 | 6°56 | 6°55 | 28°21 | 13°46 | F 28 |
| S 29 | 8 34 25 | 8°53'35 | 12°27 | 18°51 | 22°40 | 25°45 | 11°26 | 26°42 | 21°59 | 21°47 | 22° 3 | 6°56 | 6°51 | 28°27 | 13°52 | S 29 |
| S 30 | 8 38 22 | 9°54'40 | 24°28 | 20°14 | 23°46 | 26°32 | 11°35 | 26°49 | 22° 2 | 21°49 | 22° 4 | 6°55 | 6°48 | 28°34 | 13°58 | S 30 |
| M31 | 8 42 18 | 10♒55'45 | 6♐20 | 21♑38 | 24♐52 | 27♒19 | 11♐45 | 26♑56 | 22♐ 5 | 21♒51 | 22♐ 6 | 6♉53 | 6♉45 | 28♐41 | 14♑ 5 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s55 | 12s15 | 0n32 | 20s35 | 2n43 | 15s34 | 3n16 | 20s18 | 1s 8 | 20s25 | 0n50 | 21s 0 | 0n18 | 22s58 | 0s 0 | 14s28 | 0n 1 | 11s30 | 11n32 | 14n43 | 14n13 | 27s 0 | 16s39 | 6n15 |
| S 2 | 22 50 | 17 2 | 0s32 | 20 28 | 2 51 | 15 45 | 3 17 | 20 7 | 1 8 | 20 27 | 0 50 | 20 59 | 0 18 | 22 59 | 0 0 | 14 27 | 0 1 | 11 30 | 11 32 | 14 43 | 14 12 | 27 1 | 16 38 | 6 15 |
| M 3 | 22 44 | 21 5 | 1 34 | 20 23 | 2 56 | 15 56 | 3 19 | 19 55 | 1 8 | 20 29 | 0 50 | 20 58 | 0 18 | 22 59 | 0 0 | 14 27 | 0 1 | 11 31 | 11 32 | 14 42 | 14 11 | 27 1 | 16 38 | 6 15 |
| T 4 | 22 38 | 24 16 | 2 31 | 20 20 | 2 59 | 16 7 | 3 21 | 19 44 | 1 8 | 20 31 | 0 50 | 20 57 | 0 18 | 22 59 | 0 0 | 14 26 | 0 1 | 11 31 | 11 32 | 14 41 | 14 10 | 27 2 | 16 37 | 6 15 |
| W 5 | 22 32 | 26 24 | 3 22 | 20 18 | 3 0 | 16 19 | 3 22 | 19 32 | 1 8 | 20 33 | 0 50 | 20 56 | 0 17 | 22 59 | 0 0 | 14 25 | 0 1 | 11 31 | 11 32 | 14 38 | 14 9 | 27 3 | 16 36 | 6 15 |
| T 6 | 22 25 | 27 20 | 4 4 | 20 19 | 2 59 | 16 30 | 3 23 | 19 20 | 1 8 | 20 35 | 0 50 | 20 55 | 0 17 | 23 0 | 0 0 | 14 25 | 0 1 | 11 31 | 11 32 | 14 35 | 14 8 | 27 4 | 16 36 | 6 15 |
| F 7 | 22 18 | 27 1 | 4 35 | 20 22 | 2 57 | 16 41 | 3 24 | 19 8 | 1 8 | 20 37 | 0 50 | 20 54 | 0 17 | 23 0 | 0 0 | 14 24 | 0 1 | 11 31 | 11 32 | 14 31 | 14 7 | 27 5 | 16 35 | 6 15 |
| S 8 | 22 10 | 25 26 | 4 55 | 20 25 | 2 53 | 16 52 | 3 25 | 18 56 | 1 8 | 20 39 | 0 50 | 20 52 | 0 17 | 23 0 | 0 0 | 14 24 | 0 1 | 11 31 | 11 32 | 14 27 | 14 5 | 27 5 | 16 34 | 6 15 |
| S 9 | 22 2 | 22 41 | 5 1 | 20 30 | 2 48 | 17 3 | 3 26 | 18 43 | 1 8 | 20 41 | 0 50 | 20 51 | 0 17 | 23 0 | 0 0 | 14 23 | 0 1 | 11 31 | 11 33 | 14 23 | 14 4 | 27 6 | 16 34 | 6 16 |
| M10 | 21 54 | 18 54 | 4 54 | 20 37 | 2 42 | 17 14 | 3 26 | 18 31 | 1 8 | 20 42 | 0 50 | 20 50 | 0 17 | 23 1 | 0 0 | 14 22 | 0 1 | 11 31 | 11 33 | 14 19 | 14 3 | 27 7 | 16 33 | 6 16 |
| T 11 | 21 45 | 14 17 | 4 33 | 20 43 | 2 35 | 17 25 | 3 26 | 18 18 | 1 8 | 20 44 | 0 51 | 20 49 | 0 17 | 23 1 | 0 0 | 14 22 | 0 1 | 11 31 | 11 33 | 14 15 | 14 2 | 27 8 | 16 32 | 6 16 |
| W12 | 21 36 | 9 0 | 3 58 | 20 51 | 2 28 | 17 35 | 3 26 | 18 5 | 1 8 | 20 46 | 0 51 | 20 48 | 0 17 | 23 1 | 0 0 | 14 21 | 0 1 | 11 31 | 11 33 | 14 13 | 14 1 | 27 9 | 16 32 | 6 16 |
| T 13 | 21 26 | 3 15 | 3 11 | 20 59 | 2 20 | 17 46 | 3 26 | 17 51 | 1 8 | 20 48 | 0 51 | 20 46 | 0 17 | 23 1 | 0 0 | 14 20 | 0 1 | 11 31 | 11 33 | 14 11 | 14 0 | 27 9 | 16 31 | 6 16 |
| F 14 | 21 16 | 2n45 | 2 13 | 21 7 | 2 12 | 17 56 | 3 26 | 17 38 | 1 8 | 20 49 | 0 51 | 20 45 | 0 17 | 23 2 | 0 0 | 14 20 | 0 1 | 11 31 | 11 33 | 14 11 | 13 59 | 27 10 | 16 30 | 6 16 |
| S 15 | 21 5 | 8 47 | 1 7 | 21 14 | 2 3 | 18 6 | 3 26 | 17 24 | 1 8 | 20 51 | 0 51 | 20 44 | 0 17 | 23 2 | 0 0 | 14 19 | 0 1 | 11 31 | 11 33 | 14 11 | 13 58 | 27 11 | 16 29 | 6 16 |
| S 16 | 20 54 | 14 35 | 0n 5 | 21 22 | 1 55 | 18 16 | 3 25 | 17 10 | 1 8 | 20 53 | 0 51 | 20 43 | 0 17 | 23 2 | 0 0 | 14 18 | 0 1 | 11 31 | 11 33 | 14 11 | 13 57 | 27 12 | 16 29 | 6 17 |
| M17 | 20 43 | 19 46 | 1 19 | 21 29 | 1 46 | 18 26 | 3 25 | 16 56 | 1 8 | 20 54 | 0 51 | 20 42 | 0 17 | 23 2 | 0 0 | 14 18 | 0 1 | 11 31 | 11 33 | 14 10 | 13 56 | 27 12 | 16 28 | 6 17 |
| T 18 | 20 31 | 23 57 | 2 29 | 21 36 | 1 37 | 18 36 | 3 24 | 16 42 | 1 7 | 20 56 | 0 51 | 20 40 | 0 17 | 23 2 | 0 0 | 14 17 | 0 1 | 11 31 | 11 34 | 14 10 | 13 55 | 27 13 | 16 27 | 6 17 |
| W19 | 20 19 | 26 37 | 3 31 | 21 43 | 1 27 | 18 45 | 3 23 | 16 28 | 1 7 | 20 57 | 0 51 | 20 39 | 0 16 | 23 3 | 0 0 | 14 16 | 0 1 | 11 31 | 11 34 | 14 8 | 13 54 | 27 14 | 16 26 | 6 17 |
| T 20 | 20 6 | 27 25 | 4 20 | 21 48 | 1 18 | 18 54 | 3 22 | 16 13 | 1 7 | 20 59 | 0 51 | 20 38 | 0 16 | 23 3 | 0 0 | 14 16 | 0 1 | 11 31 | 11 34 | 14 5 | 13 53 | 27 14 | 16 26 | 6 18 |
| F 21 | 19 53 | 26 10 | 4 50 | 21 53 | 1 9 | 19 3 | 3 20 | 15 58 | 1 7 | 21 0 | 0 51 | 20 37 | 0 16 | 23 3 | 0 0 | 14 15 | 0 1 | 11 31 | 11 34 | 14 2 | 13 52 | 27 15 | 16 25 | 6 18 |
| S 22 | 19 40 | 23 3 | 5 0 | 21 58 | 1 0 | 19 11 | 3 19 | 15 43 | 1 7 | 21 2 | 0 51 | 20 36 | 0 16 | 23 3 | 0 0 | 14 14 | 0 1 | 11 31 | 11 34 | 13 58 | 13 51 | 27 16 | 16 24 | 6 18 |
| S 23 | 19 26 | 18 27 | 4 50 | 22 1 | 0 51 | 19 20 | 3 17 | 15 28 | 1 7 | 21 3 | 0 51 | 20 34 | 0 16 | 23 4 | 0 0 | 14 14 | 0 1 | 11 31 | 11 34 | 13 54 | 13 50 | 27 16 | 16 23 | 6 18 |
| M24 | 19 12 | 12 53 | 4 21 | 22 3 | 0 42 | 19 27 | 3 16 | 15 13 | 1 7 | 21 5 | 0 51 | 20 33 | 0 16 | 23 4 | 0 0 | 14 13 | 0 1 | 11 31 | 11 35 | 13 51 | 13 49 | 27 17 | 16 22 | 6 18 |
| T 25 | 18 58 | 6 50 | 3 37 | 22 5 | 0 34 | 19 35 | 3 14 | 14 57 | 1 6 | 21 6 | 0 51 | 20 32 | 0 16 | 23 4 | 0 0 | 14 12 | 0 1 | 11 31 | 11 35 | 13 48 | 13 48 | 27 18 | 16 21 | 6 19 |
| W26 | 18 43 | 0 40 | 2 42 | 22 5 | 0 25 | 19 42 | 3 12 | 14 42 | 1 6 | 21 7 | 0 51 | 20 31 | 0 16 | 23 4 | 0 0 | 14 12 | 0 1 | 11 30 | 11 35 | 13 46 | 13 47 | 27 18 | 16 20 | 6 19 |
| T 27 | 18 28 | 5s19 | 1 40 | 22 4 | 0 17 | 19 49 | 3 10 | 14 26 | 1 6 | 21 9 | 0 51 | 20 29 | 0 16 | 23 4 | 0 0 | 14 11 | 0 1 | 11 30 | 11 35 | 13 46 | 13 46 | 27 19 | 16 20 | 6 19 |
| F 28 | 18 12 | 10 55 | 0 36 | 22 2 | 0 8 | 19 55 | 3 8 | 14 10 | 1 6 | 21 10 | 0 51 | 20 28 | 0 16 | 23 4 | 0 0 | 14 10 | 0 1 | 11 30 | 11 35 | 13 45 | 13 45 | 27 20 | 16 19 | 6 20 |
| S 29 | 17 56 | 15 57 | 0s29 | 22 0 | 0 0 | 20 1 | 3 6 | 13 54 | 1 6 | 21 11 | 0 51 | 20 27 | 0 16 | 23 5 | 0 0 | 14 10 | 0 1 | 11 30 | 11 36 | 13 45 | 13 44 | 27 20 | 16 18 | 6 20 |
| S 30 | 17 40 | 20 16 | 1 31 | 21 56 | 0s 8 | 20 7 | 3 3 | 13 38 | 1 5 | 21 12 | 0 51 | 20 25 | 0 16 | 23 5 | 0 0 | 14 9 | 0 1 | 11 30 | 11 36 | 13 45 | 13 43 | 27 21 | 16 17 | 6 20 |
| M31 | 17s24 | 23s42 | 2s29 | 21s50 | 0s16 | 20s12 | 3n 1 | 13s22 | 1s 5 | 21s14 | 0n51 | 20s24 | 0n16 | 23s 5 | 0s 0 | 14s 8 | 0n 1 | 11s30 | 11n36 | 13n44 | 13n42 | 27s22 | 16s16 | 6n20 |

Julian Day Number = 2813500.5, Delta T = 53m54s
Ecliptic obliquity = 23°18'46, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'47, Lahiri = 37°43'47


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# ASTRODIENST EPHEMERIS for the year 2991
# geocentric

## FEBRUARY 2991 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 46 15 | 11♒56'49 | 18♐ 8 | 23♑ 3 | 25♐58 | 28♒ 6 | 11♐54 | 27♑ 3 | 22♐ 7 | 21♒53 | 22♐ 8 | 6°R48 | 6♉42 | 28♐47 | 14♑11 | T 1 |
| W 2 | 8 50 11 | 12°57'54 | 29°57 | 24°29 | 27° 5 | 28°54 | 12° 4 | 27°10 | 22°10 | 21°56 | 22°10 | 6♉41 | 6°39 | 28°54 | 14°17 | W 2 |
| T 3 | 8 54 8 | 13°58'58 | 11♑50 | 25°55 | 28°11 | 29°41 | 12°13 | 27°17 | 22°13 | 21°58 | 22°11 | 6°30 | 6°35 | 29° 1 | 14°23 | T 3 |
| F 4 | 8 58 4 | 15° 0'02 | 23°50 | 27°23 | 29°18 | 0♓28 | 12°22 | 27°24 | 22°15 | 22° 0 | 22°13 | 6°18 | 6°32 | 29° 7 | 14°29 | F 4 |
| S 5 | 9 2 1 | 16° 1'05 | 5♒59 | 28°51 | 0♑26 | 1°16 | 12°31 | 27°31 | 22°18 | 22° 2 | 22°14 | 6° 3 | 6°29 | 29°14 | 14°35 | S 5 |
| S 6 | 9 5 57 | 17° 2'08 | 18°17 | 0♒19 | 1°33 | 2° 3 | 12°40 | 27°38 | 22°20 | 22° 5 | 22°16 | 5°49 | 6°26 | 29°21 | 14°41 | S 6 |
| M 7 | 9 9 54 | 18° 3'10 | 0♓46 | 1°49 | 2°40 | 2°51 | 12°49 | 27°45 | 22°23 | 22° 7 | 22°18 | 5°35 | 6°23 | 29°28 | 14°47 | M 7 |
| T 8 | 9 13 51 | 19° 4'12 | 13°25 | 3°19 | 3°48 | 3°38 | 12°57 | 27°51 | 22°25 | 22° 9 | 22°19 | 5°24 | 6°20 | 29°34 | 14°52 | T 8 |
| W 9 | 9 17 47 | 20° 5'12 | 26°14 | 4°50 | 4°56 | 4°26 | 13° 6 | 27°58 | 22°28 | 22°11 | 22°21 | 5°15 | 6°16 | 29°41 | 14°58 | W 9 |
| T 10 | 9 21 44 | 21° 6'12 | 9♈14 | 6°21 | 6° 4 | 5°13 | 13°14 | 28° 5 | 22°30 | 22°14 | 22°22 | 5°10 | 6°13 | 29°48 | 15° 4 | T 10 |
| F 11 | 9 25 40 | 22° 7'11 | 22°26 | 7°53 | 7°12 | 6° 0 | 13°23 | 28°12 | 22°32 | 22°16 | 22°23 | 5° 7 | 6°10 | 29°54 | 15°10 | F 11 |
| S 12 | 9 29 37 | 23° 8'08 | 5♉51 | 9°26 | 8°21 | 6°48 | 13°31 | 28°18 | 22°35 | 22°18 | 22°25 | 5°D 7 | 6° 7 | 0♑ 1 | 15°15 | S 12 |
| S 13 | 9 33 33 | 24° 9'05 | 19°31 | 10°59 | 9°29 | 7°35 | 13°39 | 28°25 | 22°37 | 22°21 | 22°26 | 5°R 7 | 6° 4 | 0° 8 | 15°21 | S 13 |
| M14 | 9 37 30 | 25°10'00 | 3♊26 | 12°33 | 10°38 | 8°23 | 13°47 | 28°32 | 22°39 | 22°23 | 22°28 | 5° 7 | 6° 1 | 0°14 | 15°26 | M14 |
| T 15 | 9 41 26 | 26°10'55 | 17°37 | 14° 8 | 11°47 | 9°10 | 13°54 | 28°38 | 22°41 | 22°25 | 22°29 | 5° 5 | 5°57 | 0°21 | 15°32 | T 15 |
| W16 | 9 45 23 | 27°11'48 | 2♋ 4 | 15°43 | 12°56 | 9°58 | 14° 2 | 28°45 | 22°43 | 22°27 | 22°30 | 5° 1 | 5°54 | 0°28 | 15°37 | W16 |
| T 17 | 9 49 20 | 28°12'40 | 16°42 | 17°19 | 14° 5 | 10°45 | 14° 9 | 28°51 | 22°45 | 22°30 | 22°31 | 4°54 | 5°51 | 0°34 | 15°43 | T 17 |
| F 18 | 9 53 16 | 29°13'31 | 1♌26 | 18°56 | 15°14 | 11°33 | 14°17 | 28°58 | 22°47 | 22°32 | 22°33 | 4°45 | 5°48 | 0°41 | 15°48 | F 18 |
| S 19 | 9 57 13 | 0♓14'20 | 16° 8 | 20°33 | 16°23 | 12°20 | 14°24 | 29° 4 | 22°49 | 22°34 | 22°34 | 4°34 | 5°45 | 0°48 | 15°54 | S 19 |
| S 20 | 10 1 9 | 1°15'09 | 0♍42 | 22°11 | 17°33 | 13° 8 | 14°31 | 29°11 | 22°51 | 22°36 | 22°35 | 4°24 | 5°41 | 0°55 | 15°59 | S 20 |
| M21 | 10 5 6 | 2°15'56 | 14°58 | 23°50 | 18°42 | 13°55 | 14°38 | 29°17 | 22°53 | 22°39 | 22°36 | 4°15 | 5°38 | 1° 1 | 16° 4 | M21 |
| T 22 | 10 9 2 | 3°16'42 | 28°52 | 25°30 | 19°52 | 14°43 | 14°45 | 29°23 | 22°55 | 22°41 | 22°37 | 4° 7 | 5°35 | 1° 8 | 16° 9 | T 22 |
| W23 | 10 12 59 | 4°17'27 | 12♎21 | 27°10 | 21° 2 | 15°30 | 14°51 | 29°29 | 22°57 | 22°43 | 22°38 | 4° 3 | 5°32 | 1°15 | 16°14 | W23 |
| T 24 | 10 16 55 | 5°18'11 | 25°25 | 28°51 | 22°12 | 16°18 | 14°58 | 29°36 | 22°59 | 22°45 | 22°39 | 4° 0 | 5°29 | 1°21 | 16°19 | T 24 |
| F 25 | 10 20 52 | 6°18'54 | 8♏ 5 | 0♓33 | 23°22 | 17° 5 | 15° 4 | 29°42 | 23° 0 | 22°48 | 22°40 | 4°D 0 | 5°26 | 1°28 | 16°24 | F 25 |
| S 26 | 10 24 49 | 7°19'37 | 20°25 | 2°16 | 24°32 | 17°53 | 15°10 | 29°48 | 23° 2 | 22°50 | 22°41 | 4° 1 | 5°22 | 1°35 | 16°29 | S 26 |
| S 27 | 10 28 45 | 8°20'18 | 2♐29 | 4° 0 | 25°42 | 18°40 | 15°17 | 29°54 | 23° 3 | 22°52 | 22°42 | 4° 2 | 5°19 | 1°41 | 16°34 | S 27 |
| M28 | 10 32 42 | 9♓20'58 | 14♐24 | 5♓44 | 26♑53 | 19♓28 | 15♐22 | 0♒ 0 | 23♐ 5 | 22♒54 | 22♐43 | 4°R 2 | 5♉16 | 1♑48 | 16♑39 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s 7 | 26s 6 | 3s19 | 21s44 | 0s23 | 20s17 | 2n59 | 13s 5 | 1s 5 | 21s15 | 0n52 | 20s23 | 0n16 | 23s 5 | 0s 0 | 14s 7 | 0n 1 | 11s30 | 11n36 | 13n43 | 13n41 | 27s22 | 16s15 | 6n21 |
| W 2 | 16 50 | 27 20 | 4 1 | 21 37 | 0 30 | 20 21 | 2 56 | 12 49 | 1 5 | 21 16 | 0 52 | 20 22 | 0 16 | 23 5 | 0 0 | 14 7 | 0 1 | 11 30 | 11 36 | 13 40 | 13 40 | 27 23 | 16 14 | 6 21 |
| T 3 | 16 33 | 27 19 | 4 33 | 21 28 | 0 38 | 20 25 | 2 53 | 12 32 | 1 5 | 21 17 | 0 52 | 20 20 | 0 15 | 23 6 | 0 0 | 14 6 | 0 1 | 11 30 | 11 37 | 13 37 | 13 39 | 27 23 | 16 13 | 6 21 |
| F 4 | 16 15 | 26 2 | 4 53 | 21 18 | 0 45 | 20 28 | 2 51 | 12 15 | 1 4 | 21 18 | 0 52 | 20 19 | 0 15 | 23 6 | 0 0 | 14 5 | 0 1 | 11 29 | 11 37 | 13 33 | 13 38 | 27 24 | 16 12 | 6 22 |
| S 5 | 15 57 | 23 31 | 5 0 | 21 7 | 0 51 | 20 31 | 2 48 | 11 58 | 1 4 | 21 19 | 0 52 | 20 18 | 0 15 | 23 6 | 0 0 | 14 5 | 0 1 | 11 29 | 11 37 | 13 28 | 13 37 | 27 25 | 16 11 | 6 22 |
| S 6 | 15 39 | 19 54 | 4 53 | 20 55 | 0 58 | 20 34 | 2 45 | 11 41 | 1 4 | 21 20 | 0 52 | 20 17 | 0 15 | 23 6 | 0 0 | 14 4 | 0 1 | 11 29 | 11 37 | 13 23 | 13 36 | 27 25 | 16 10 | 6 22 |
| M 7 | 15 20 | 15 23 | 4 32 | 20 42 | 1 4 | 20 35 | 2 42 | 11 24 | 1 4 | 21 21 | 0 52 | 20 15 | 0 15 | 23 6 | 0 0 | 14 3 | 0 1 | 11 29 | 11 38 | 13 19 | 13 35 | 27 26 | 16 9 | 6 23 |
| T 8 | 15 2 | 10 8 | 3 57 | 20 27 | 1 10 | 20 37 | 2 39 | 11 6 | 1 3 | 21 22 | 0 52 | 20 14 | 0 15 | 23 6 | 0 0 | 14 2 | 0 1 | 11 29 | 11 38 | 13 15 | 13 34 | 27 26 | 16 8 | 6 23 |
| W 9 | 14 43 | 4 24 | 3 10 | 20 11 | 1 16 | 20 38 | 2 36 | 10 49 | 1 3 | 21 23 | 0 52 | 20 13 | 0 15 | 23 6 | 0 0 | 14 2 | 0 1 | 11 29 | 11 38 | 13 12 | 13 32 | 27 27 | 16 7 | 6 24 |
| T 10 | 14 23 | 1n37 | 2 12 | 19 54 | 1 21 | 20 38 | 2 32 | 10 31 | 1 3 | 21 24 | 0 52 | 20 11 | 0 15 | 23 7 | 0 0 | 14 1 | 0 1 | 11 28 | 11 38 | 13 10 | 13 31 | 27 27 | 16 6 | 6 24 |
| F 11 | 14 4 | 7 39 | 1 7 | 19 36 | 1 26 | 20 38 | 2 29 | 10 14 | 1 3 | 21 25 | 0 52 | 20 10 | 0 15 | 23 7 | 0 0 | 14 0 | 0 1 | 11 28 | 11 39 | 13 10 | 13 30 | 27 28 | 16 5 | 6 24 |
| S 12 | 13 44 | 13 28 | 0n 4 | 19 16 | 1 31 | 20 38 | 2 26 | 9 56 | 1 2 | 21 26 | 0 52 | 20 9 | 0 15 | 23 7 | 0 0 | 14 0 | 0 1 | 11 28 | 11 39 | 13 9 | 13 29 | 27 28 | 16 4 | 6 25 |
| S 13 | 13 24 | 18 44 | 1 16 | 18 55 | 1 36 | 20 37 | 2 22 | 9 38 | 1 2 | 21 27 | 0 52 | 20 8 | 0 15 | 23 7 | 0 0 | 13 59 | 0 1 | 11 28 | 11 39 | 13 9 | 13 28 | 27 29 | 16 3 | 6 25 |
| M14 | 13 4 | 23 5 | 2 24 | 18 33 | 1 40 | 20 35 | 2 19 | 9 20 | 1 2 | 21 28 | 0 52 | 20 6 | 0 15 | 23 7 | 0 1 | 13 58 | 0 1 | 11 28 | 11 39 | 13 9 | 13 27 | 27 29 | 16 2 | 6 26 |
| T 15 | 12 43 | 26 9 | 3 25 | 18 10 | 1 45 | 20 33 | 2 15 | 9 2 | 1 1 | 21 29 | 0 52 | 20 5 | 0 15 | 23 7 | 0 1 | 13 57 | 0 1 | 11 28 | 11 40 | 13 9 | 13 26 | 27 30 | 16 1 | 6 26 |
| W16 | 12 23 | 27 32 | 4 14 | 17 46 | 1 48 | 20 30 | 2 12 | 8 44 | 1 1 | 21 30 | 0 53 | 20 4 | 0 15 | 23 7 | 0 1 | 13 57 | 0 1 | 11 27 | 11 40 | 13 7 | 13 25 | 27 30 | 16 0 | 6 26 |
| T 17 | 12 2 | 27 2 | 4 48 | 17 20 | 1 52 | 20 27 | 2 8 | 8 26 | 1 1 | 21 30 | 0 53 | 20 3 | 0 15 | 23 8 | 0 1 | 13 56 | 0 1 | 11 27 | 11 40 | 13 5 | 13 24 | 27 31 | 15 59 | 6 27 |
| F 18 | 11 41 | 24 39 | 5 2 | 16 53 | 1 55 | 20 23 | 2 5 | 8 8 | 1 0 | 21 31 | 0 53 | 20 1 | 0 15 | 23 8 | 0 1 | 13 55 | 0 1 | 11 27 | 11 40 | 13 2 | 13 23 | 27 31 | 15 58 | 6 27 |
| S 19 | 11 20 | 20 38 | 4 57 | 16 25 | 1 58 | 20 19 | 2 1 | 7 49 | 1 0 | 21 32 | 0 53 | 20 0 | 0 14 | 23 8 | 0 1 | 13 54 | 0 1 | 11 27 | 11 41 | 12 59 | 13 22 | 27 32 | 15 57 | 6 28 |
| S 20 | 10 58 | 15 24 | 4 32 | 15 56 | 2 0 | 20 14 | 1 57 | 7 31 | 1 0 | 21 33 | 0 53 | 19 59 | 0 14 | 23 8 | 0 1 | 13 54 | 0 1 | 11 26 | 11 41 | 12 55 | 13 21 | 27 32 | 15 56 | 6 28 |
| M21 | 10 37 | 9 26 | 3 50 | 15 26 | 2 2 | 20 9 | 1 53 | 7 12 | 0 59 | 21 33 | 0 53 | 19 58 | 0 14 | 23 8 | 0 1 | 13 53 | 0 1 | 11 26 | 11 41 | 12 52 | 13 20 | 27 33 | 15 55 | 6 29 |
| T 22 | 10 15 | 3 8 | 2 56 | 14 54 | 2 4 | 20 3 | 1 50 | 6 54 | 0 59 | 21 34 | 0 53 | 19 56 | 0 14 | 23 8 | 0 1 | 13 52 | 0 1 | 11 26 | 11 41 | 12 50 | 13 19 | 27 33 | 15 54 | 6 29 |
| W23 | 9 53 | 3s 7 | 1 53 | 14 21 | 2 5 | 19 56 | 1 46 | 6 35 | 0 59 | 21 35 | 0 53 | 19 55 | 0 14 | 23 8 | 0 1 | 13 52 | 0 1 | 11 26 | 11 42 | 12 48 | 13 18 | 27 34 | 15 53 | 6 30 |
| T 24 | 9 31 | 9 4 | 0 46 | 13 47 | 2 6 | 19 49 | 1 42 | 6 17 | 0 58 | 21 35 | 0 53 | 19 54 | 0 14 | 23 8 | 0 1 | 13 51 | 0 1 | 11 26 | 11 42 | 12 47 | 13 17 | 27 34 | 15 52 | 6 30 |
| F 25 | 9 9 | 14 28 | 0s22 | 13 12 | 2 7 | 19 41 | 1 38 | 5 58 | 0 58 | 21 36 | 0 53 | 19 53 | 0 14 | 23 8 | 0 1 | 13 50 | 0 1 | 11 25 | 11 42 | 12 47 | 13 16 | 27 35 | 15 51 | 6 31 |
| S 26 | 8 46 | 19 9 | 1 27 | 12 36 | 2 7 | 19 33 | 1 34 | 5 39 | 0 58 | 21 37 | 0 53 | 19 51 | 0 14 | 23 8 | 0 1 | 13 49 | 0 1 | 11 25 | 11 43 | 12 47 | 13 15 | 27 35 | 15 50 | 6 31 |
| S 27 | 8 24 | 22 57 | 2 27 | 11 58 | 2 7 | 19 25 | 1 30 | 5 20 | 0 57 | 21 37 | 0 53 | 19 50 | 0 14 | 23 9 | 0 1 | 13 49 | 0 1 | 11 25 | 11 43 | 12 48 | 13 14 | 27 35 | 15 49 | 6 32 |
| M28 | 8s 1 | 25s42 | 3s19 | 11s19 | 2s 6 | 19s15 | 1n26 | 5s 1 | 0s57 | 21s38 | 0n54 | 19s49 | 0n14 | 23s 9 | 0s 1 | 13s48 | 0n 1 | 11s25 | 11n43 | 12n48 | 13n13 | 27s36 | 15s48 | 6n32 |

Julian Day Number = 2813531.5, Delta T = 53m54s
Ecliptic obliquity = 23°18'46, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'51, Lahiri = 37°43'52


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# ASTRODIENST EPHEMERIS for the year 2991
# geocentric

## MARCH 2991 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 36 38 | 10♓21'37 | 26♐15 | 7♓30 | 28♉ 3 | 20♓15 | 15♐28 | 0♒ 6 | 23♐ 6 | 22♒57 | 22♐44 | 4°R 0 | 5♉13 | 1♉55 | 16♉44 | T 1 |
| W 2 | 10 40 35 | 11°22'16 | 8♉ 5 | 9°16 | 29°14 | 21° 2 | 15°34 | 0°12 | 23° 8 | 22°59 | 22°45 | 3♉56 | 5°10 | 2° 2 | 16°48 | W 2 |
| T 3 | 10 44 31 | 12°22'53 | 20° 1 | 11° 3 | 0♒24 | 21°50 | 15°39 | 0°18 | 23° 9 | 23° 1 | 22°46 | 3°50 | 5° 7 | 2° 8 | 16°53 | T 3 |
| F 4 | 10 48 28 | 13°23'29 | 2♒ 5 | 12°51 | 1°35 | 22°37 | 15°44 | 0°24 | 23°11 | 23° 3 | 22°46 | 3°42 | 5° 3 | 2°15 | 16°57 | F 4 |
| S 5 | 10 52 24 | 14°24'03 | 14°22 | 14°39 | 2°46 | 23°25 | 15°50 | 0°30 | 23°12 | 23° 5 | 22°47 | 3°33 | 5° 0 | 2°22 | 17° 2 | S 5 |
| S 6 | 10 56 21 | 15°24'37 | 26°51 | 16°29 | 3°57 | 24°12 | 15°54 | 0°35 | 23°13 | 23° 7 | 22°48 | 3°24 | 4°57 | 2°28 | 17° 6 | S 6 |
| M 7 | 11 0 18 | 16°25'08 | 9♓35 | 18°19 | 5° 8 | 25° 0 | 15°59 | 0°41 | 23°14 | 23°10 | 22°49 | 3°15 | 4°54 | 2°35 | 17°11 | M 7 |
| T 8 | 11 4 14 | 17°25'39 | 22°34 | 20°10 | 6°19 | 25°47 | 16° 4 | 0°47 | 23°15 | 23°12 | 22°49 | 3° 8 | 4°51 | 2°42 | 17°15 | T 8 |
| W 9 | 11 8 11 | 18°26'08 | 5♈45 | 22° 2 | 7°30 | 26°34 | 16° 8 | 0°52 | 23°16 | 23°14 | 22°50 | 3° 2 | 4°47 | 2°48 | 17°19 | W 9 |
| T 10 | 11 12 7 | 19°26'35 | 19° 8 | 23°54 | 8°41 | 27°22 | 16°13 | 0°58 | 23°17 | 23°16 | 22°50 | 2°59 | 4°44 | 2°55 | 17°23 | T 10 |
| F 11 | 11 16 4 | 20°27'00 | 2♉42 | 25°47 | 9°52 | 28° 9 | 16°17 | 1° 3 | 23°18 | 23°18 | 22°51 | 2°D58 | 4°41 | 3° 2 | 17°27 | F 11 |
| S 12 | 11 20 0 | 21°27'24 | 16°26 | 27°40 | 11° 3 | 28°57 | 16°21 | 1° 9 | 23°19 | 23°20 | 22°51 | 2°59 | 4°38 | 3° 9 | 17°31 | S 12 |
| S 13 | 11 23 57 | 22°27'46 | 0♊18 | 29°34 | 12°15 | 29°44 | 16°24 | 1°14 | 23°20 | 23°22 | 22°52 | 3° 0 | 4°35 | 3°15 | 17°35 | S 13 |
| M14 | 11 27 53 | 23°28'06 | 14°18 | 1♈27 | 13°26 | 0♈31 | 16°28 | 1°19 | 23°21 | 23°24 | 22°52 | 3° 2 | 4°32 | 3°22 | 17°39 | M14 |
| T 15 | 11 31 50 | 24°28'24 | 28°25 | 3°21 | 14°38 | 1°19 | 16°31 | 1°24 | 23°22 | 23°26 | 22°53 | 3°R 2 | 4°28 | 3°29 | 17°43 | T 15 |
| W16 | 11 35 46 | 25°28'40 | 12♋38 | 5°15 | 15°49 | 2° 6 | 16°35 | 1°30 | 23°22 | 23°28 | 22°53 | 3° 0 | 4°25 | 3°35 | 17°46 | W16 |
| T 17 | 11 39 43 | 26°28'55 | 26°54 | 7° 7 | 17° 1 | 2°53 | 16°38 | 1°35 | 23°23 | 23°30 | 22°53 | 2°58 | 4°22 | 3°42 | 17°50 | T 17 |
| F 18 | 11 43 40 | 27°29'07 | 11♌11 | 8°59 | 18°12 | 3°40 | 16°40 | 1°40 | 23°24 | 23°32 | 22°54 | 2°53 | 4°19 | 3°49 | 17°54 | F 18 |
| S 19 | 11 47 36 | 28°29'17 | 25°24 | 10°50 | 19°24 | 4°28 | 16°43 | 1°45 | 23°24 | 23°34 | 22°54 | 2°48 | 4°16 | 3°55 | 17°57 | S 19 |
| S 20 | 11 51 33 | 29°29'25 | 9♍29 | 12°40 | 20°36 | 5°15 | 16°46 | 1°49 | 23°25 | 23°36 | 22°54 | 2°42 | 4°12 | 4° 2 | 18° 0 | S 20 |
| M21 | 11 55 29 | 0♈29'31 | 23°21 | 14°27 | 21°48 | 6° 2 | 16°48 | 1°54 | 23°25 | 23°38 | 22°54 | 2°37 | 4° 9 | 4° 9 | 18° 4 | M21 |
| T 22 | 11 59 26 | 1°29'36 | 6♎56 | 16°12 | 22°59 | 6°49 | 16°50 | 1°59 | 23°25 | 23°40 | 22°54 | 2°34 | 4° 6 | 4°16 | 18° 7 | T 22 |
| W23 | 12 3 22 | 2°29'39 | 20°13 | 17°54 | 24°11 | 7°36 | 16°52 | 2° 4 | 23°26 | 23°42 | 22°55 | 2°32 | 4° 3 | 4°22 | 18°10 | W23 |
| T 24 | 12 7 19 | 3°29'40 | 3♏ 9 | 19°33 | 25°23 | 8°23 | 16°54 | 2° 8 | 23°26 | 23°44 | 22°55 | 2°D31 | 4° 0 | 4°29 | 18°13 | T 24 |
| F 25 | 12 11 15 | 4°29'39 | 15°47 | 21° 8 | 26°35 | 9°10 | 16°55 | 2°13 | 23°26 | 23°45 | 22°55 | 2°32 | 3°57 | 4°36 | 18°16 | F 25 |
| S 26 | 12 15 12 | 5°29'37 | 28° 8 | 22°38 | 27°47 | 9°57 | 16°57 | 2°17 | 23°26 | 23°47 | 22°R55 | 2°33 | 3°53 | 4°42 | 18°19 | S 26 |
| S 27 | 12 19 9 | 6°29'33 | 10♐15 | 24° 4 | 28°59 | 10°44 | 16°58 | 2°21 | 23°26 | 23°49 | 22°55 | 2°35 | 3°50 | 4°49 | 18°22 | S 27 |
| M28 | 12 23 5 | 7°29'27 | 22°12 | 25°23 | 0♓11 | 11°31 | 16°59 | 2°26 | 23°R26 | 23°51 | 22°55 | 2°37 | 3°47 | 4°56 | 18°24 | M28 |
| T 29 | 12 27 2 | 8°29'20 | 4♉ 5 | 26°37 | 1°23 | 12°18 | 17° 0 | 2°30 | 23°26 | 23°53 | 22°54 | 2°R37 | 3°44 | 5° 3 | 18°27 | T 29 |
| W30 | 12 30 58 | 9°29'12 | 15°57 | 27°45 | 2°36 | 13° 5 | 17° 1 | 2°34 | 23°26 | 23°54 | 22°54 | 2°37 | 3°41 | 5° 9 | 18°30 | W30 |
| T 31 | 12 34 55 | 10♈29'02 | 27♉54 | 28♈45 | 3♓48 | 13♈52 | 17♐ 1 | 2♒38 | 23♐26 | 23♒56 | 22♐54 | 2♉36 | 3♉38 | 5♉16 | 18♉32 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7s39 | 27s18 | 4s 3 | 10s39 | 2s 5 | 19s 6 | 1n23 | 4s43 | 0s56 | 21s38 | 0n54 | 19s48 | 0n14 | 23s 9 | 0s 1 | 13s47 | 0n 1 | 11s24 | 11n44 | 12n47 | 13n11 | 27s36 | 15s47 | 6n33 |
| W 2 | 7 16 | 27 40 | 4 36 | 9 58 | 2 4 | 18 55 | 1 19 | 4 24 | 0 56 | 21 39 | 0 54 | 19 47 | 0 14 | 23 9 | 0 1 | 13 47 | 0 1 | 11 24 | 11 44 | 12 46 | 13 10 | 27 37 | 15 45 | 6 33 |
| T 3 | 6 53 | 26 44 | 4 58 | 9 16 | 2 2 | 18 44 | 1 15 | 4 5 | 0 56 | 21 39 | 0 54 | 19 45 | 0 14 | 23 9 | 0 1 | 13 46 | 0 1 | 11 24 | 11 44 | 12 44 | 13 9 | 27 37 | 15 44 | 6 34 |
| F 4 | 6 30 | 24 34 | 5 6 | 8 32 | 1 59 | 18 33 | 1 11 | 3 46 | 0 55 | 21 40 | 0 54 | 19 44 | 0 14 | 23 9 | 0 1 | 13 45 | 0 1 | 11 24 | 11 44 | 12 41 | 13 8 | 27 37 | 15 43 | 6 34 |
| S 5 | 6 7 | 21 14 | 5 1 | 7 48 | 1 56 | 18 21 | 1 7 | 3 27 | 0 55 | 21 40 | 0 54 | 19 43 | 0 14 | 23 9 | 0 1 | 13 44 | 0 1 | 11 23 | 11 45 | 12 38 | 13 7 | 27 38 | 15 42 | 6 35 |
| S 6 | 5 43 | 16 54 | 4 41 | 7 2 | 1 53 | 18 9 | 1 3 | 3 7 | 0 54 | 21 41 | 0 54 | 19 42 | 0 14 | 23 9 | 0 1 | 13 44 | 0 1 | 11 23 | 11 45 | 12 35 | 13 6 | 27 38 | 15 41 | 6 35 |
| M 7 | 5 20 | 11 45 | 4 8 | 6 16 | 1 49 | 17 56 | 0 59 | 2 48 | 0 54 | 21 41 | 0 54 | 19 41 | 0 14 | 23 9 | 0 1 | 13 43 | 0 1 | 11 23 | 11 45 | 12 32 | 13 5 | 27 38 | 15 40 | 6 36 |
| T 8 | 4 57 | 6 0 | 3 20 | 5 28 | 1 44 | 17 42 | 0 55 | 2 29 | 0 54 | 21 41 | 0 54 | 19 39 | 0 13 | 23 9 | 0 1 | 13 42 | 0 1 | 11 22 | 11 46 | 12 29 | 13 4 | 27 39 | 15 39 | 6 36 |
| W 9 | 4 33 | 0n 6 | 2 22 | 4 40 | 1 39 | 17 28 | 0 51 | 2 10 | 0 53 | 21 42 | 0 54 | 19 38 | 0 13 | 23 9 | 0 1 | 13 42 | 0 1 | 11 22 | 11 46 | 12 28 | 13 3 | 27 39 | 15 38 | 6 37 |
| T 10 | 4 9 | 6 19 | 1 14 | 3 50 | 1 33 | 17 14 | 0 47 | 1 51 | 0 53 | 21 42 | 0 54 | 19 37 | 0 13 | 23 9 | 0 1 | 13 41 | 0 1 | 11 22 | 11 46 | 12 27 | 13 2 | 27 39 | 15 37 | 6 38 |
| F 11 | 3 46 | 12 19 | 0 1 | 3 0 | 1 27 | 16 59 | 0 43 | 1 32 | 0 52 | 21 42 | 0 55 | 19 36 | 0 13 | 23 9 | 0 1 | 13 40 | 0 1 | 11 22 | 11 47 | 12 26 | 13 1 | 27 40 | 15 36 | 6 38 |
| S 12 | 3 22 | 17 49 | 1n12 | 2 9 | 1 20 | 16 44 | 0 40 | 1 13 | 0 52 | 21 43 | 0 55 | 19 35 | 0 13 | 23 10 | 0 1 | 13 40 | 0 0 | 11 21 | 11 47 | 12 26 | 13 0 | 27 40 | 15 35 | 6 39 |
| S 13 | 2 59 | 22 26 | 2 23 | 1 17 | 1 12 | 16 28 | 0 36 | 0 54 | 0 51 | 21 43 | 0 55 | 19 34 | 0 13 | 23 10 | 0 1 | 13 39 | 0 0 | 11 21 | 11 47 | 12 27 | 12 59 | 27 40 | 15 34 | 6 39 |
| M14 | 2 35 | 25 48 | 3 25 | 0 25 | 1 4 | 16 11 | 0 32 | 0 34 | 0 51 | 21 43 | 0 55 | 19 33 | 0 13 | 23 10 | 0 1 | 13 38 | 0 0 | 11 21 | 11 48 | 12 27 | 12 58 | 27 41 | 15 33 | 6 40 |
| T 15 | 2 11 | 27 34 | 4 16 | 0n28 | 0 56 | 15 55 | 0 28 | 0 15 | 0 50 | 21 43 | 0 55 | 19 32 | 0 13 | 23 10 | 0 1 | 13 38 | 0 0 | 11 20 | 11 48 | 12 27 | 12 57 | 27 41 | 15 32 | 6 41 |
| W16 | 1 47 | 27 33 | 4 51 | 1 22 | 0 46 | 15 37 | 0 24 | 0n 4 | 0 50 | 21 44 | 0 55 | 19 31 | 0 13 | 23 10 | 0 1 | 13 37 | 0 0 | 11 20 | 11 48 | 12 27 | 12 56 | 27 41 | 15 30 | 6 41 |
| T 17 | 1 23 | 25 43 | 5 9 | 2 15 | 0 37 | 15 20 | 0 21 | 0 23 | 0 49 | 21 44 | 0 55 | 19 30 | 0 13 | 23 10 | 0 1 | 13 36 | 0 0 | 11 20 | 11 49 | 12 26 | 12 55 | 27 41 | 15 29 | 6 42 |
| F 18 | 1 0 | 22 15 | 5 7 | 3 9 | 0 26 | 15 2 | 0 17 | 0 42 | 0 49 | 21 44 | 0 55 | 19 29 | 0 13 | 23 10 | 0 1 | 13 36 | 0 0 | 11 19 | 11 49 | 12 24 | 12 53 | 27 42 | 15 28 | 6 42 |
| S 19 | 0 36 | 17 29 | 4 47 | 4 2 | 0 15 | 14 43 | 0 13 | 1 1 | 0 48 | 21 44 | 0 55 | 19 27 | 0 13 | 23 10 | 0 1 | 13 35 | 0 0 | 11 19 | 11 49 | 12 23 | 12 52 | 27 42 | 15 27 | 6 43 |
| S 20 | 0 12 | 11 50 | 4 9 | 4 55 | 0 4 | 14 24 | 0 9 | 1 20 | 0 48 | 21 44 | 0 55 | 19 26 | 0 13 | 23 10 | 0 1 | 13 35 | 0 0 | 11 19 | 11 50 | 12 21 | 12 51 | 27 42 | 15 26 | 6 44 |
| M21 | 0n12 | 5 39 | 3 18 | 5 47 | 0n 8 | 14 5 | 0 6 | 1 39 | 0 47 | 21 45 | 0 55 | 19 25 | 0 13 | 23 10 | 0 1 | 13 34 | 0 0 | 11 19 | 11 50 | 12 19 | 12 50 | 27 42 | 15 25 | 6 44 |
| T 22 | 0 35 | 0s40 | 2 15 | 6 39 | 0 20 | 13 45 | 0 2 | 1 58 | 0 47 | 21 45 | 0 56 | 19 24 | 0 13 | 23 10 | 0 1 | 13 33 | 0 0 | 11 18 | 11 50 | 12 18 | 12 49 | 27 43 | 15 24 | 6 45 |
| W23 | 0 59 | 6 50 | 1 7 | 7 30 | 0 33 | 13 25 | 0s 1 | 2 17 | 0 46 | 21 45 | 0 56 | 19 24 | 0 13 | 23 10 | 0 1 | 13 33 | 0 0 | 11 18 | 11 50 | 12 17 | 12 48 | 27 43 | 15 23 | 6 46 |
| T 24 | 1 23 | 12 33 | 0s 4 | 8 19 | 0 46 | 13 4 | 0 5 | 2 36 | 0 46 | 21 45 | 0 56 | 19 23 | 0 13 | 23 10 | 0 1 | 13 32 | 0 0 | 11 18 | 11 51 | 12 17 | 12 47 | 27 43 | 15 22 | 6 46 |
| F 25 | 1 47 | 17 38 | 1 12 | 9 7 | 0 59 | 12 43 | 0 8 | 2 55 | 0 45 | 21 45 | 0 56 | 19 22 | 0 13 | 23 10 | 0 1 | 13 32 | 0 0 | 11 17 | 11 51 | 12 17 | 12 46 | 27 43 | 15 21 | 6 47 |
| S 26 | 2 10 | 21 51 | 2 16 | 9 52 | 1 12 | 12 22 | 0 12 | 3 14 | 0 45 | 21 45 | 0 56 | 19 21 | 0 12 | 23 10 | 0 1 | 13 31 | 0 0 | 11 17 | 11 51 | 12 18 | 12 45 | 27 43 | 15 20 | 6 48 |
| S 27 | 2 34 | 25 2 | 3 12 | 10 36 | 1 25 | 12 0 | 0 15 | 3 33 | 0 44 | 21 45 | 0 56 | 19 20 | 0 12 | 23 10 | 0 1 | 13 30 | 0 0 | 11 17 | 11 52 | 12 18 | 12 44 | 27 44 | 15 19 | 6 48 |
| M28 | 2 57 | 27 4 | 4 0 | 11 17 | 1 38 | 11 38 | 0 18 | 3 52 | 0 44 | 21 45 | 0 56 | 19 19 | 0 12 | 23 10 | 0 1 | 13 30 | 0 0 | 11 16 | 11 52 | 12 19 | 12 43 | 27 44 | 15 18 | 6 49 |
| T 29 | 3 21 | 27 51 | 4 36 | 11 56 | 1 51 | 11 16 | 0 22 | 4 10 | 0 43 | 21 45 | 0 56 | 19 18 | 0 12 | 23 10 | 0 1 | 13 29 | 0 0 | 11 16 | 11 52 | 12 19 | 12 42 | 27 44 | 15 17 | 6 50 |
| W30 | 3 44 | 27 21 | 5 1 | 12 32 | 2 3 | 10 53 | 0 25 | 4 29 | 0 43 | 21 45 | 0 56 | 19 17 | 0 12 | 23 10 | 0 1 | 13 29 | 0 0 | 11 16 | 11 53 | 12 19 | 12 41 | 27 44 | 15 16 | 6 50 |
| T 31 | 4n 8 | 25s35 | 5s13 | 13n 5 | 2n15 | 10s30 | 0s28 | 4n48 | 0s42 | 21s45 | 0n56 | 19s16 | 0n12 | 23s10 | 0s 1 | 13s28 | 0n 0 | 11s15 | 11n53 | 12n19 | 12n40 | 27s44 | 15s15 | 6n51 |

Julian Day Number = 2813559.5, Delta T = 53m55s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'55, Lahiri = 37°43'55


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# ASTRODIENST EPHEMERIS for the year 2991
# geocentric

## APRIL 2991 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 38 51 | 11♈28'50 | 10♒ 0 | 29♈38 | 5♓ 0 | 14♈39 | 17♐ 1 | 2♒42 | 23°R26 | 23♒58 | 22°R54 | 2°R34 | 3♉34 | 5♋23 | 18♋35 | F 1 |
| S 2 | 12 42 48 | 12°28'36 | 22°20 | 0♉24 | 6°12 | 15°26 | 17°R 2 | 2°46 | 23♐26 | 23°59 | 22♐54 | 2♉31 | 3°31 | 5°29 | 18°37 | S 2 |
| S 3 | 12 46 44 | 13°28'20 | 4♓55 | 1° 2 | 7°25 | 16°13 | 17° 1 | 2°50 | 23°26 | 24° 1 | 22°53 | 2°28 | 3°28 | 5°36 | 18°39 | S 3 |
| M 4 | 12 50 41 | 14°28'03 | 17°50 | 1°32 | 8°37 | 17° 0 | 17° 1 | 2°53 | 23°25 | 24° 3 | 22°53 | 2°25 | 3°25 | 5°43 | 18°41 | M 4 |
| T 5 | 12 54 38 | 15°27'44 | 1♈ 3 | 1°54 | 9°50 | 17°47 | 17° 1 | 2°57 | 23°25 | 24° 4 | 22°53 | 2°23 | 3°22 | 5°49 | 18°43 | T 5 |
| W 6 | 12 58 34 | 16°27'23 | 14°34 | 2° 7 | 11° 2 | 18°33 | 17° 0 | 3° 1 | 23°24 | 24° 6 | 22°52 | 2°22 | 3°18 | 5°56 | 18°45 | W 6 |
| T 7 | 13 2 31 | 17°27'00 | 28°22 | 2°R13 | 12°14 | 19°20 | 16°59 | 3° 4 | 23°24 | 24° 7 | 22°52 | 2°D21 | 3°15 | 6° 3 | 18°47 | T 7 |
| F 8 | 13 6 27 | 18°26'36 | 12♉24 | 2°10 | 13°27 | 20° 7 | 16°58 | 3° 7 | 23°23 | 24° 9 | 22°52 | 2°21 | 3°12 | 6°10 | 18°49 | F 8 |
| S 9 | 13 10 24 | 19°26'09 | 26°35 | 2° 0 | 14°39 | 20°53 | 16°57 | 3°11 | 23°23 | 24°10 | 22°51 | 2°22 | 3° 9 | 6°16 | 18°51 | S 9 |
| S 10 | 13 14 20 | 20°25'40 | 10♊51 | 1°43 | 15°52 | 21°40 | 16°56 | 3°14 | 23°22 | 24°12 | 22°51 | 2°23 | 3° 6 | 6°23 | 18°52 | S 10 |
| M11 | 13 18 17 | 21°25'09 | 25°10 | 1°19 | 17° 4 | 22°27 | 16°54 | 3°17 | 23°21 | 24°13 | 22°50 | 2°24 | 3° 3 | 6°30 | 18°54 | M11 |
| T 12 | 13 22 13 | 22°24'35 | 9♋27 | 0°48 | 18°17 | 23°13 | 16°52 | 3°20 | 23°21 | 24°15 | 22°50 | 2°24 | 2°59 | 6°36 | 18°55 | T 12 |
| W13 | 13 26 10 | 23°24'00 | 23°40 | 0°13 | 19°30 | 24° 0 | 16°50 | 3°23 | 23°20 | 24°16 | 22°49 | 2°R25 | 2°56 | 6°43 | 18°56 | W13 |
| T 14 | 13 30 7 | 24°23'21 | 7♌46 | 29♈32 | 20°42 | 24°46 | 16°48 | 3°26 | 23°19 | 24°18 | 22°48 | 2°24 | 2°53 | 6°50 | 18°58 | T 14 |
| F 15 | 13 34 3 | 25°22'41 | 21°44 | 28°48 | 21°55 | 25°33 | 16°46 | 3°29 | 23°18 | 24°19 | 22°48 | 2°24 | 2°50 | 6°57 | 18°59 | F 15 |
| S 16 | 13 38 0 | 26°21'58 | 5♍32 | 28° 1 | 23° 7 | 26°19 | 16°43 | 3°31 | 23°17 | 24°20 | 22°47 | 2°23 | 2°47 | 7° 3 | 19° 0 | S 16 |
| S 17 | 13 41 56 | 27°21'13 | 19° 9 | 27°12 | 24°20 | 27° 5 | 16°41 | 3°34 | 23°16 | 24°21 | 22°46 | 2°22 | 2°44 | 7°10 | 19° 1 | S 17 |
| M18 | 13 45 53 | 28°20'26 | 2♎32 | 26°23 | 25°33 | 27°52 | 16°38 | 3°36 | 23°15 | 24°23 | 22°46 | 2°22 | 2°40 | 7°17 | 19° 2 | M18 |
| T 19 | 13 49 49 | 29°19'37 | 15°43 | 25°34 | 26°45 | 28°38 | 16°35 | 3°39 | 23°14 | 24°24 | 22°45 | 2°22 | 2°37 | 7°23 | 19° 3 | T 19 |
| W20 | 13 53 46 | 0♉18'45 | 28°39 | 24°45 | 27°58 | 29°24 | 16°31 | 3°41 | 23°13 | 24°25 | 22°44 | 2°D22 | 2°34 | 7°30 | 19° 3 | W20 |
| T 21 | 13 57 42 | 1°17'52 | 11♏20 | 23°59 | 29°11 | 0♉10 | 16°28 | 3°43 | 23°12 | 24°26 | 22°43 | 2°22 | 2°31 | 7°37 | 19° 4 | T 21 |
| F 22 | 14 1 39 | 2°16'57 | 23°48 | 23°16 | 0♈24 | 0°57 | 16°25 | 3°45 | 23°11 | 24°27 | 22°42 | 2°R22 | 2°28 | 7°43 | 19° 4 | F 22 |
| S 23 | 14 5 35 | 3°16'00 | 6♐ 4 | 22°36 | 1°36 | 1°43 | 16°21 | 3°47 | 23° 9 | 24°29 | 22°42 | 2°22 | 2°24 | 7°50 | 19° 5 | S 23 |
| S 24 | 14 9 32 | 4°15'01 | 18° 8 | 22° 0 | 2°49 | 2°29 | 16°17 | 3°49 | 23° 8 | 24°30 | 22°41 | 2°21 | 2°21 | 7°57 | 19° 5 | S 24 |
| M25 | 14 13 29 | 5°14'00 | 0♑ 6 | 21°29 | 4° 2 | 3°15 | 16°13 | 3°51 | 23° 7 | 24°31 | 22°40 | 2°21 | 2°18 | 8° 4 | 19° 5 | M25 |
| T 26 | 14 17 25 | 6°12'58 | 11°59 | 21° 2 | 5°15 | 4° 1 | 16° 9 | 3°53 | 23° 5 | 24°32 | 22°39 | 2°21 | 2°15 | 8°10 | 19° 6 | T 26 |
| W27 | 14 21 22 | 7°11'54 | 23°51 | 20°41 | 6°28 | 4°47 | 16° 4 | 3°54 | 23° 4 | 24°33 | 22°38 | 2°20 | 2°12 | 8°17 | 19°R 6 | W27 |
| T 28 | 14 25 18 | 8°10'48 | 5♒48 | 20°25 | 7°40 | 5°33 | 16° 0 | 3°56 | 23° 2 | 24°34 | 22°37 | 2°D20 | 2° 9 | 8°24 | 19° 6 | T 28 |
| F 29 | 14 29 15 | 9° 9'41 | 17°53 | 20°14 | 8°53 | 6°18 | 15°55 | 3°57 | 23° 1 | 24°35 | 22°36 | 2°20 | 2° 5 | 8°30 | 19° 6 | F 29 |
| S 30 | 14 33 11 | 10♉ 8'31 | 0♓11 | 20♈ 8 | 10♈ 6 | 7♉ 4 | 15♐50 | 3♒59 | 22♐59 | 24♒35 | 22♐35 | 2♉21 | 2♉ 2 | 8♋37 | 19♋ 5 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4n31 | 22s39 | 5s12 | 13n34 | 2n26 | 10s 7 | 0s31 | 5n 6 | 0s42 | 21s45 | 0n56 | 19s15 | 0n12 | 23s10 | 0s 1 | 13s28 | 0n 0 | 11s15 | 11n53 | 12n18 | 12n38 | 27s44 | 15s14 | 6n52 |
| S 2 | 4 54 | 18 40 | 4 56 | 14 0 | 2 37 | 9 43 | 0 34 | 5 25 | 0 41 | 21 45 | 0 57 | 19 15 | 0 12 | 23 10 | 0 1 | 13 27 | 0 0 | 11 15 | 11 54 | 12 17 | 12 37 | 27 44 | 15 13 | 6 52 |
| S 3 | 5 17 | 13 47 | 4 26 | 14 22 | 2 47 | 9 19 | 0 37 | 5 43 | 0 41 | 21 45 | 0 57 | 19 14 | 0 12 | 23 10 | 0 1 | 13 26 | 0 0 | 11 14 | 11 54 | 12 16 | 12 36 | 27 45 | 15 12 | 6 53 |
| M 4 | 5 40 | 8 11 | 3 41 | 14 41 | 2 55 | 8 55 | 0 40 | 6 1 | 0 40 | 21 45 | 0 57 | 19 13 | 0 12 | 23 10 | 0 1 | 13 26 | 0 0 | 11 14 | 11 54 | 12 15 | 12 35 | 27 45 | 15 11 | 6 54 |
| T 5 | 6 3 | 2 6 | 2 44 | 14 56 | 3 3 | 8 31 | 0 43 | 6 20 | 0 40 | 21 44 | 0 57 | 19 12 | 0 12 | 23 10 | 0 1 | 13 25 | 0 0 | 11 14 | 11 54 | 12 14 | 12 34 | 27 45 | 15 10 | 6 54 |
| W 6 | 6 26 | 4n14 | 1 37 | 15 6 | 3 9 | 8 6 | 0 46 | 6 38 | 0 39 | 21 44 | 0 57 | 19 11 | 0 12 | 23 10 | 0 1 | 13 25 | 0 0 | 11 14 | 11 55 | 12 14 | 12 33 | 27 45 | 15 9 | 6 55 |
| T 7 | 6 49 | 10 30 | 0 22 | 15 13 | 3 14 | 7 41 | 0 49 | 6 56 | 0 38 | 21 44 | 0 57 | 19 11 | 0 12 | 23 10 | 0 1 | 13 24 | 0 0 | 11 13 | 11 55 | 12 14 | 12 32 | 27 45 | 15 8 | 6 56 |
| F 8 | 7 12 | 16 21 | 0n55 | 15 16 | 3 18 | 7 16 | 0 51 | 7 14 | 0 38 | 21 44 | 0 57 | 19 10 | 0 12 | 23 10 | 0 1 | 13 24 | 0 0 | 11 13 | 11 55 | 12 14 | 12 31 | 27 45 | 15 8 | 6 56 |
| S 9 | 7 34 | 21 24 | 2 10 | 15 14 | 3 20 | 6 51 | 0 54 | 7 32 | 0 37 | 21 44 | 0 57 | 19 9 | 0 12 | 23 10 | 0 1 | 13 23 | 0 0 | 11 13 | 11 56 | 12 14 | 12 30 | 27 45 | 15 7 | 6 57 |
| S 10 | 7 56 | 25 13 | 3 17 | 15 8 | 3 20 | 6 25 | 0 57 | 7 50 | 0 37 | 21 44 | 0 57 | 19 9 | 0 12 | 23 10 | 0 1 | 13 23 | 0 0 | 11 12 | 11 56 | 12 14 | 12 29 | 27 45 | 15 6 | 6 58 |
| M11 | 8 19 | 27 26 | 4 12 | 14 59 | 3 19 | 5 59 | 0 59 | 8 8 | 0 36 | 21 43 | 0 57 | 19 8 | 0 12 | 23 10 | 0 1 | 13 22 | 0 0 | 11 12 | 11 56 | 12 14 | 12 28 | 27 45 | 15 5 | 6 58 |
| T 12 | 8 41 | 27 50 | 4 52 | 14 45 | 3 16 | 5 33 | 1 2 | 8 26 | 0 36 | 21 43 | 0 57 | 19 7 | 0 12 | 23 10 | 0 1 | 13 22 | 0 0 | 11 12 | 11 56 | 12 15 | 12 27 | 27 45 | 15 4 | 6 59 |
| W13 | 9 3 | 26 23 | 5 13 | 14 28 | 3 11 | 5 7 | 1 4 | 8 43 | 0 35 | 21 43 | 0 57 | 19 7 | 0 11 | 23 10 | 0 1 | 13 22 | 0 0 | 11 11 | 11 57 | 12 15 | 12 26 | 27 45 | 15 3 | 7 0 |
| T 14 | 9 24 | 23 18 | 5 15 | 14 7 | 3 4 | 4 41 | 1 6 | 9 1 | 0 34 | 21 42 | 0 58 | 19 6 | 0 11 | 23 10 | 0 1 | 13 21 | 0 0 | 11 11 | 11 57 | 12 15 | 12 24 | 27 45 | 15 2 | 7 0 |
| F 15 | 9 46 | 18 54 | 4 59 | 13 44 | 2 56 | 4 14 | 1 8 | 9 18 | 0 34 | 21 42 | 0 58 | 19 5 | 0 11 | 23 10 | 0 1 | 13 21 | 0 0 | 11 11 | 11 57 | 12 15 | 12 23 | 27 45 | 15 1 | 7 1 |
| S 16 | 10 7 | 13 33 | 4 25 | 13 18 | 2 46 | 3 48 | 1 11 | 9 35 | 0 33 | 21 42 | 0 58 | 19 5 | 0 11 | 23 10 | 0 1 | 13 20 | 0 0 | 11 11 | 11 58 | 12 14 | 12 22 | 27 45 | 15 1 | 7 2 |
| S 17 | 10 29 | 7 36 | 3 37 | 12 50 | 2 35 | 3 21 | 1 13 | 9 52 | 0 33 | 21 42 | 0 58 | 19 4 | 0 11 | 23 10 | 0 1 | 13 20 | 0 0 | 11 10 | 11 58 | 12 14 | 12 21 | 27 45 | 15 0 | 7 3 |
| M18 | 10 50 | 1 25 | 2 38 | 12 20 | 2 22 | 2 54 | 1 15 | 10 10 | 0 32 | 21 41 | 0 58 | 19 4 | 0 11 | 23 10 | 0 1 | 13 19 | 0 0 | 11 10 | 11 58 | 12 14 | 12 20 | 27 45 | 14 59 | 7 3 |
| T 19 | 11 11 | 4s45 | 1 31 | 11 49 | 2 8 | 2 27 | 1 17 | 10 27 | 0 31 | 21 41 | 0 58 | 19 3 | 0 11 | 23 10 | 0 1 | 13 19 | 0 0 | 11 10 | 11 58 | 12 14 | 12 19 | 27 45 | 14 58 | 7 4 |
| W20 | 11 31 | 10 37 | 0 21 | 11 18 | 1 54 | 2 0 | 1 19 | 10 43 | 0 31 | 21 40 | 0 58 | 19 3 | 0 11 | 23 10 | 0 1 | 13 19 | 0 0 | 11 9 | 11 59 | 12 14 | 12 18 | 27 45 | 14 57 | 7 5 |
| T 21 | 11 52 | 15 56 | 0s50 | 10 47 | 1 38 | 1 33 | 1 20 | 11 0 | 0 30 | 21 40 | 0 58 | 19 2 | 0 11 | 23 10 | 0 1 | 13 18 | 0 0 | 11 9 | 11 59 | 12 14 | 12 17 | 27 45 | 14 57 | 7 5 |
| F 22 | 12 12 | 20 30 | 1 56 | 10 16 | 1 22 | 1 6 | 1 22 | 11 17 | 0 30 | 21 40 | 0 58 | 19 2 | 0 11 | 23 10 | 0 1 | 13 18 | 0 0 | 11 9 | 11 59 | 12 14 | 12 16 | 27 45 | 14 56 | 7 6 |
| S 23 | 12 32 | 24 6 | 2 56 | 9 46 | 1 6 | 0 39 | 1 24 | 11 33 | 0 29 | 21 39 | 0 58 | 19 2 | 0 11 | 23 9 | 0 1 | 13 18 | 0 0 | 11 9 | 11 59 | 12 14 | 12 15 | 27 45 | 14 55 | 7 7 |
| S 24 | 12 52 | 26 34 | 3 47 | 9 17 | 0 49 | 0 11 | 1 25 | 11 50 | 0 28 | 21 39 | 0 58 | 19 1 | 0 11 | 23 9 | 0 1 | 13 17 | 0 0 | 11 8 | 11 59 | 12 14 | 12 14 | 27 45 | 14 54 | 7 7 |
| M25 | 13 12 | 27 47 | 4 28 | 8 50 | 0 32 | 0n16 | 1 27 | 12 6 | 0 28 | 21 38 | 0 58 | 19 1 | 0 11 | 23 9 | 0 1 | 13 17 | 0 0 | 11 8 | 12 0 | 12 14 | 12 13 | 27 45 | 14 54 | 7 8 |
| T 26 | 13 31 | 27 43 | 4 57 | 8 25 | 0 16 | 0 43 | 1 28 | 12 22 | 0 27 | 21 38 | 0 58 | 19 0 | 0 11 | 23 9 | 0 1 | 13 17 | 0 0 | 11 8 | 12 0 | 12 13 | 12 11 | 27 45 | 14 53 | 7 9 |
| W27 | 13 51 | 26 22 | 5 13 | 8 2 | 0s 0 | 1 11 | 1 30 | 12 38 | 0 26 | 21 37 | 0 58 | 19 0 | 0 11 | 23 9 | 0 1 | 13 16 | 0 0 | 11 7 | 12 0 | 12 13 | 12 10 | 27 45 | 14 52 | 7 10 |
| T 28 | 14 10 | 23 50 | 5 16 | 7 41 | 0 16 | 1 38 | 1 31 | 12 54 | 0 26 | 21 37 | 0 58 | 19 0 | 0 11 | 23 9 | 0 1 | 13 16 | 0 0 | 11 7 | 12 0 | 12 13 | 12 9 | 27 45 | 14 51 | 7 10 |
| F 29 | 14 28 | 20 14 | 5 5 | 7 23 | 0 31 | 2 6 | 1 32 | 13 9 | 0 25 | 21 36 | 0 58 | 19 0 | 0 11 | 23 9 | 0 1 | 13 16 | 0 0 | 11 7 | 12 1 | 12 13 | 12 8 | 27 45 | 14 51 | 7 11 |
| S 30 | 14n47 | 15s43 | 4s40 | 7n 7 | 0s46 | 2n33 | 1s33 | 13n25 | 0s25 | 21s36 | 0n58 | 18s59 | 0n10 | 23s 9 | 0s 1 | 13s15 | 0s 0 | 11s 7 | 12n 1 | 12n13 | 12n 7 | 27s45 | 14s50 | 7n12 |

Julian Day Number = 2813590.5, Delta T = 53m55s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°36'59, Lahiri = 37°44'00


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# ASTRODIENST EPHEMERIS for the year 2991
# geocentric

## MAY 2991 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 37 8 | 11♉ 7'20 | 12♓47 | 20°D 8 | 11♈19 | 7♉50 | 15°R45 | 4♒ 0 | 22°R58 | 24♒36 | 22°R34 | 2♉21 | 1♉59 | 8♑44 | 19°R 5 | S 1 |
| M 2 | 14 41 5 | 12° 6'08 | 25°44 | 20♈13 | 12°32 | 8°36 | 15♐40 | 4° 1 | 22♐56 | 24°37 | 22♐32 | 2°22 | 1°56 | 8°51 | 19♑ 5 | M 2 |
| T 3 | 14 45 1 | 13° 4'53 | 9♈ 3 | 20°23 | 13°45 | 9°21 | 15°35 | 4° 2 | 22°54 | 24°38 | 22°31 | 2°23 | 1°53 | 8°57 | 19° 4 | T 3 |
| W 4 | 14 48 58 | 14° 3'37 | 22°47 | 20°38 | 14°58 | 10° 7 | 15°29 | 4° 3 | 22°53 | 24°39 | 22°30 | 2°24 | 1°49 | 9° 4 | 19° 4 | W 4 |
| T 5 | 14 52 54 | 15° 2'19 | 6♉52 | 20°57 | 16°11 | 10°53 | 15°24 | 4° 4 | 22°51 | 24°39 | 22°29 | 2°R24 | 1°46 | 9°11 | 19° 3 | T 5 |
| F 6 | 14 56 51 | 16° 0'59 | 21°17 | 21°21 | 17°24 | 11°38 | 15°18 | 4° 5 | 22°49 | 24°40 | 22°28 | 2°23 | 1°43 | 9°17 | 19° 2 | F 6 |
| S 7 | 15 0 47 | 16°59'38 | 5♊55 | 21°50 | 18°37 | 12°24 | 15°12 | 4° 5 | 22°47 | 24°41 | 22°26 | 2°22 | 1°40 | 9°24 | 19° 1 | S 7 |
| S 8 | 15 4 44 | 17°58'14 | 20°40 | 22°23 | 19°50 | 13° 9 | 15° 6 | 4° 6 | 22°45 | 24°41 | 22°25 | 2°20 | 1°37 | 9°31 | 19° 1 | S 8 |
| M 9 | 15 8 40 | 18°56'49 | 5♋24 | 22°59 | 21° 3 | 13°55 | 15° 0 | 4° 7 | 22°43 | 24°42 | 22°24 | 2°18 | 1°34 | 9°38 | 19° 0 | M 9 |
| T 10 | 15 12 37 | 19°55'21 | 20° 1 | 23°40 | 22°16 | 14°40 | 14°54 | 4° 7 | 22°41 | 24°43 | 22°23 | 2°16 | 1°30 | 9°44 | 18°59 | T 10 |
| W11 | 15 16 34 | 20°53'52 | 4♌26 | 24°24 | 23°29 | 15°25 | 14°48 | 4° 7 | 22°40 | 24°43 | 22°21 | 2°15 | 1°27 | 9°51 | 18°57 | W11 |
| T 12 | 15 20 30 | 21°52'20 | 18°35 | 25°12 | 24°41 | 16°11 | 14°41 | 4° 7 | 22°38 | 24°44 | 22°20 | 2°D14 | 1°24 | 9°58 | 18°56 | T 12 |
| F 13 | 15 24 27 | 22°50'45 | 2♍27 | 26° 3 | 25°54 | 16°56 | 14°35 | 4°R 7 | 22°35 | 24°44 | 22°19 | 2°14 | 1°21 | 10° 4 | 18°55 | F 13 |
| S 14 | 15 28 23 | 23°49'09 | 16° 0 | 26°57 | 27° 7 | 17°41 | 14°28 | 4° 7 | 22°33 | 24°45 | 22°17 | 2°15 | 1°18 | 10°11 | 18°53 | S 14 |
| S 15 | 15 32 20 | 24°47'31 | 29°17 | 27°55 | 28°20 | 18°26 | 14°21 | 4° 7 | 22°31 | 24°45 | 22°16 | 2°17 | 1°15 | 10°18 | 18°52 | S 15 |
| M16 | 15 36 16 | 25°45'50 | 12♎18 | 28°55 | 29°33 | 19°11 | 14°15 | 4° 7 | 22°29 | 24°45 | 22°14 | 2°18 | 1°11 | 10°25 | 18°50 | M16 |
| T 17 | 15 40 13 | 26°44'08 | 25° 6 | 29°58 | 0♉46 | 19°56 | 14° 8 | 4° 7 | 22°27 | 24°46 | 22°13 | 2°19 | 1° 8 | 10°31 | 18°49 | T 17 |
| W18 | 15 44 9 | 27°42'24 | 7♏41 | 1♉ 4 | 1°59 | 20°41 | 14° 1 | 4° 6 | 22°25 | 24°46 | 22°12 | 2°R19 | 1° 5 | 10°38 | 18°47 | W18 |
| T 19 | 15 48 6 | 28°40'38 | 20° 6 | 2°12 | 3°12 | 21°26 | 13°54 | 4° 6 | 22°23 | 24°46 | 22°10 | 2°18 | 1° 2 | 10°45 | 18°45 | T 19 |
| F 20 | 15 52 3 | 29°38'50 | 2♐20 | 3°24 | 4°25 | 22°11 | 13°46 | 4° 5 | 22°21 | 24°47 | 22° 9 | 2°16 | 0°59 | 10°51 | 18°43 | F 20 |
| S 21 | 15 55 59 | 0♊37'01 | 14°27 | 4°37 | 5°38 | 22°56 | 13°39 | 4° 4 | 22°18 | 24°47 | 22° 7 | 2°12 | 0°55 | 10°58 | 18°41 | S 21 |
| S 22 | 15 59 56 | 1°35'10 | 26°27 | 5°53 | 6°52 | 23°41 | 13°32 | 4° 4 | 22°16 | 24°47 | 22° 6 | 2° 7 | 0°52 | 11° 5 | 18°39 | S 22 |
| M23 | 16 3 52 | 2°33'18 | 8♑22 | 7°11 | 8° 5 | 24°25 | 13°25 | 4° 3 | 22°14 | 24°47 | 22° 4 | 2° 2 | 0°49 | 11°12 | 18°37 | M23 |
| T 24 | 16 7 49 | 3°31'24 | 20°14 | 8°32 | 9°18 | 25°10 | 13°17 | 4° 2 | 22°11 | 24°47 | 22° 3 | 1°56 | 0°46 | 11°18 | 18°35 | T 24 |
| W25 | 16 11 45 | 4°29'29 | 2♒ 7 | 9°55 | 10°31 | 25°55 | 13°10 | 4° 1 | 22° 9 | 24°47 | 22° 1 | 1°52 | 0°43 | 11°25 | 18°33 | W25 |
| T 26 | 16 15 42 | 5°27'32 | 14° 3 | 11°20 | 11°44 | 26°39 | 13° 2 | 3°59 | 22° 7 | 24°47 | 22° 0 | 1°48 | 0°40 | 11°32 | 18°30 | T 26 |
| F 27 | 16 19 38 | 6°25'34 | 26° 6 | 12°48 | 12°57 | 27°24 | 12°55 | 3°58 | 22° 4 | 24°R47 | 21°58 | 1°46 | 0°36 | 11°38 | 18°28 | F 27 |
| S 28 | 16 23 35 | 7°23'34 | 8♓22 | 14°17 | 14°10 | 28° 8 | 12°47 | 3°57 | 22° 2 | 24°47 | 21°57 | 1°D46 | 0°33 | 11°45 | 18°25 | S 28 |
| S 29 | 16 27 32 | 8°21'34 | 20°54 | 15°49 | 15°23 | 28°52 | 12°40 | 3°55 | 22° 0 | 24°47 | 21°55 | 1°46 | 0°30 | 11°52 | 18°23 | S 29 |
| M30 | 16 31 28 | 9°19'32 | 3♈47 | 17°23 | 16°36 | 29°37 | 12°32 | 3°54 | 21°57 | 24°47 | 21°53 | 1°48 | 0°27 | 11°59 | 18°20 | M30 |
| T 31 | 16 35 25 | 10♊17'28 | 17♈ 5 | 18♉59 | 17♉49 | 0♊21 | 12♐24 | 3♒52 | 21♐55 | 24♒47 | 21♐52 | 1♉49 | 0♉24 | 12♑ 5 | 18♑18 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n 5 | 10s27 | 4s 1 | 6n54 | 1s 0 | 3n 1 | 1s34 | 13n40 | 0s24 | 21s35 | 0n58 | 18s59 | 0n10 | 23s 9 | 0s 1 | 13s15 | 0s 0 | 11s 6 | 12n 1 | 12n14 | 12n 6 | 27s45 | 14s49 | 7n12 |
| M 2 | 15 23 | 4 35 | 3 9 | 6 44 | 1 13 | 3 28 | 1 35 | 13 55 | 0 23 | 21 35 | 0 58 | 18 59 | 0 10 | 23 9 | 0 1 | 13 15 | 0 0 | 11 6 | 12 1 | 12 14 | 12 5 | 27 45 | 14 49 | 7 13 |
| T 3 | 15 41 | 1n39 | 2 6 | 6 36 | 1 26 | 3 55 | 1 36 | 14 11 | 0 23 | 21 34 | 0 58 | 18 59 | 0 10 | 23 9 | 0 1 | 13 15 | 0 0 | 11 6 | 12 1 | 12 14 | 12 4 | 27 45 | 14 48 | 7 14 |
| W 4 | 15 58 | 8 0 | 0 53 | 6 30 | 1 38 | 4 23 | 1 37 | 14 26 | 0 22 | 21 34 | 0 58 | 18 59 | 0 10 | 23 9 | 0 1 | 13 14 | 0 0 | 11 6 | 12 1 | 12 14 | 12 3 | 27 44 | 14 48 | 7 14 |
| T 5 | 16 16 | 14 8 | 0n25 | 6 27 | 1 49 | 4 50 | 1 37 | 14 40 | 0 21 | 21 33 | 0 58 | 18 58 | 0 10 | 23 9 | 0 1 | 13 14 | 0 0 | 11 5 | 12 2 | 12 15 | 12 2 | 27 44 | 14 47 | 7 15 |
| F 6 | 16 33 | 19 38 | 1 43 | 6 26 | 1 59 | 5 17 | 1 38 | 14 55 | 0 21 | 21 32 | 0 59 | 18 58 | 0 10 | 23 9 | 0 1 | 13 14 | 0 0 | 11 5 | 12 2 | 12 14 | 12 1 | 27 44 | 14 47 | 7 16 |
| S 7 | 16 49 | 24 3 | 2 55 | 6 28 | 2 9 | 5 44 | 1 39 | 15 9 | 0 20 | 21 32 | 0 59 | 18 58 | 0 10 | 23 8 | 0 1 | 13 14 | 0 0 | 11 5 | 12 2 | 12 14 | 11 59 | 27 44 | 14 46 | 7 16 |
| S 8 | 17 6 | 26 55 | 3 56 | 6 32 | 2 18 | 6 11 | 1 39 | 15 24 | 0 19 | 21 31 | 0 59 | 18 58 | 0 10 | 23 8 | 0 1 | 13 13 | 0 0 | 11 5 | 12 2 | 12 13 | 11 58 | 27 44 | 14 45 | 7 17 |
| M 9 | 17 22 | 27 53 | 4 41 | 6 38 | 2 26 | 6 38 | 1 40 | 15 38 | 0 19 | 21 30 | 0 59 | 18 58 | 0 10 | 23 8 | 0 1 | 13 13 | 0 0 | 11 5 | 12 2 | 12 13 | 11 57 | 27 44 | 14 45 | 7 18 |
| T 10 | 17 38 | 26 54 | 5 8 | 6 46 | 2 33 | 7 5 | 1 40 | 15 52 | 0 18 | 21 30 | 0 59 | 18 58 | 0 10 | 23 8 | 0 1 | 13 13 | 0 0 | 11 4 | 12 2 | 12 12 | 11 56 | 27 43 | 14 44 | 7 18 |
| W11 | 17 53 | 24 9 | 5 15 | 6 56 | 2 40 | 7 31 | 1 40 | 16 6 | 0 18 | 21 29 | 0 59 | 18 58 | 0 10 | 23 8 | 0 1 | 13 13 | 0 0 | 11 4 | 12 3 | 12 11 | 11 55 | 27 43 | 14 44 | 7 19 |
| T 12 | 18 8 | 19 58 | 5 3 | 7 8 | 2 45 | 7 58 | 1 40 | 16 19 | 0 17 | 21 28 | 0 59 | 18 58 | 0 10 | 23 8 | 0 1 | 13 13 | 0 0 | 11 4 | 12 3 | 12 11 | 11 54 | 27 43 | 14 43 | 7 20 |
| F 13 | 18 23 | 14 47 | 4 33 | 7 21 | 2 50 | 8 24 | 1 40 | 16 33 | 0 16 | 21 27 | 0 59 | 18 58 | 0 10 | 23 8 | 0 1 | 13 13 | 0 0 | 11 4 | 12 3 | 12 11 | 11 53 | 27 43 | 14 43 | 7 20 |
| S 14 | 18 38 | 9 0 | 3 48 | 7 37 | 2 55 | 8 50 | 1 40 | 16 46 | 0 16 | 21 27 | 0 58 | 18 58 | 0 10 | 23 8 | 0 1 | 13 12 | 0 0 | 11 4 | 12 3 | 12 12 | 11 52 | 27 43 | 14 43 | 7 21 |
| S 15 | 18 52 | 2 55 | 2 52 | 7 54 | 2 58 | 9 16 | 1 40 | 16 59 | 0 15 | 21 26 | 0 58 | 18 58 | 0 9 | 23 8 | 0 1 | 13 12 | 0 0 | 11 3 | 12 3 | 12 12 | 11 51 | 27 42 | 14 42 | 7 22 |
| M16 | 19 6 | 3s11 | 1 48 | 8 12 | 3 1 | 9 42 | 1 40 | 17 12 | 0 14 | 21 25 | 0 58 | 18 58 | 0 9 | 23 8 | 0 2 | 13 12 | 0 0 | 11 3 | 12 3 | 12 13 | 11 50 | 27 42 | 14 42 | 7 22 |
| T 17 | 19 19 | 9 3 | 0 40 | 8 32 | 3 4 | 10 7 | 1 40 | 17 25 | 0 14 | 21 24 | 0 58 | 18 59 | 0 9 | 23 7 | 0 2 | 13 12 | 0 0 | 11 3 | 12 3 | 12 13 | 11 48 | 27 42 | 14 41 | 7 23 |
| W18 | 19 33 | 14 28 | 0s29 | 8 53 | 3 5 | 10 32 | 1 40 | 17 37 | 0 13 | 21 24 | 0 58 | 18 59 | 0 9 | 23 7 | 0 2 | 13 12 | 0 0 | 11 3 | 12 3 | 12 13 | 11 47 | 27 42 | 14 41 | 7 23 |
| T 19 | 19 46 | 19 13 | 1 36 | 9 16 | 3 6 | 10 57 | 1 39 | 17 50 | 0 12 | 21 23 | 0 58 | 18 59 | 0 9 | 23 7 | 0 2 | 13 12 | 0 0 | 11 3 | 12 3 | 12 13 | 11 46 | 27 42 | 14 41 | 7 24 |
| F 20 | 19 58 | 23 5 | 2 37 | 9 39 | 3 6 | 11 22 | 1 39 | 18 2 | 0 12 | 21 22 | 0 58 | 18 59 | 0 9 | 23 7 | 0 2 | 13 12 | 0 0 | 11 3 | 12 4 | 12 12 | 11 45 | 27 41 | 14 40 | 7 25 |
| S 21 | 20 10 | 25 54 | 3 30 | 10 4 | 3 6 | 11 47 | 1 39 | 18 14 | 0 11 | 21 21 | 0 58 | 18 59 | 0 9 | 23 7 | 0 2 | 13 12 | 0 0 | 11 2 | 12 4 | 12 10 | 11 44 | 27 41 | 14 40 | 7 25 |
| S 22 | 20 22 | 27 30 | 4 14 | 10 30 | 3 5 | 12 11 | 1 38 | 18 26 | 0 10 | 21 20 | 0 58 | 19 0 | 0 9 | 23 7 | 0 2 | 13 12 | 0 0 | 11 2 | 12 4 | 12 9 | 11 43 | 27 41 | 14 40 | 7 26 |
| M23 | 20 34 | 27 48 | 4 46 | 10 57 | 3 4 | 12 35 | 1 37 | 18 37 | 0 10 | 21 20 | 0 58 | 19 0 | 0 9 | 23 7 | 0 2 | 13 12 | 0 0 | 11 2 | 12 4 | 12 7 | 11 42 | 27 40 | 14 39 | 7 26 |
| T 24 | 20 45 | 26 50 | 5 5 | 11 24 | 3 1 | 12 59 | 1 37 | 18 49 | 0 9 | 21 19 | 0 58 | 19 0 | 0 9 | 23 7 | 0 2 | 13 12 | 0 0 | 11 2 | 12 4 | 12 5 | 11 41 | 27 40 | 14 39 | 7 27 |
| W25 | 20 56 | 24 39 | 5 12 | 11 53 | 2 59 | 13 23 | 1 36 | 19 0 | 0 8 | 21 18 | 0 58 | 19 0 | 0 9 | 23 7 | 0 2 | 13 12 | 0 0 | 11 2 | 12 4 | 12 4 | 11 40 | 27 40 | 14 39 | 7 27 |
| T 26 | 21 6 | 21 23 | 5 5 | 12 22 | 2 55 | 13 46 | 1 35 | 19 11 | 0 8 | 21 17 | 0 58 | 19 1 | 0 9 | 23 6 | 0 2 | 13 12 | 0 0 | 11 2 | 12 4 | 12 2 | 11 39 | 27 40 | 14 39 | 7 28 |
| F 27 | 21 16 | 17 12 | 4 44 | 12 52 | 2 52 | 14 9 | 1 34 | 19 22 | 0 7 | 21 16 | 0 58 | 19 1 | 0 9 | 23 6 | 0 2 | 13 12 | 0 0 | 11 2 | 12 4 | 12 2 | 11 37 | 27 39 | 14 38 | 7 29 |
| S 28 | 21 26 | 12 16 | 4 10 | 13 23 | 2 47 | 14 31 | 1 33 | 19 32 | 0 6 | 21 15 | 0 58 | 19 2 | 0 9 | 23 6 | 0 2 | 13 12 | 0 0 | 11 1 | 12 4 | 12 1 | 11 36 | 27 39 | 14 38 | 7 29 |
| S 29 | 21 35 | 6 43 | 3 24 | 13 54 | 2 42 | 14 53 | 1 32 | 19 43 | 0 6 | 21 14 | 0 58 | 19 2 | 0 9 | 23 6 | 0 2 | 13 12 | 0 0 | 11 1 | 12 4 | 12 2 | 11 35 | 27 39 | 14 38 | 7 30 |
| M30 | 21 44 | 0 45 | 2 27 | 14 25 | 2 37 | 15 15 | 1 31 | 19 53 | 0 5 | 21 14 | 0 58 | 19 2 | 0 8 | 23 6 | 0 2 | 13 12 | 0 0 | 11 1 | 12 4 | 12 2 | 11 34 | 27 38 | 14 38 | 7 30 |
| T 31 | 21n52 | 5n27 | 1s19 | 14n57 | 2s31 | 15n37 | 1s30 | 20n 3 | 0s 4 | 21s13 | 0n58 | 19s 3 | 0n 8 | 23s 6 | 0s 2 | 13s12 | 0s 0 | 11s 1 | 12n 4 | 12n 3 | 11n33 | 27s38 | 14s38 | 7n31 |

Julian Day Number = 2813620.5, Delta T = 53m56s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°37'03, Lahiri = 37°44'04


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# ASTRODIENST EPHEMERIS for the year 2991
# geocentric

## JUNE 2991 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 39 21 | 11♊15'24 | 0♉49 | 20♉37 | 19♉ 2 | 1♊ 5 | 12°R17 | 3°R50 | 21°R52 | 24°R47 | 21°R50 | 1°R50 | 0♉21 | 12♑12 | 18°R15 | W 1 |
| T 2 | 16 43 18 | 12°13'18 | 15° 0 | 22°17 | 20°15 | 1°50 | 12♐ 9 | 3♒48 | 21♐50 | 24♒47 | 21♐49 | 1♉49 | 0°17 | 12°19 | 18♑12 | T 2 |
| F 3 | 16 47 14 | 13°11'12 | 29°36 | 23°59 | 21°29 | 2°34 | 12° 1 | 3°47 | 21°47 | 24°47 | 21°47 | 1°47 | 0°14 | 12°25 | 18° 9 | F 3 |
| S 4 | 16 51 11 | 14° 9'04 | 14♊32 | 25°44 | 22°42 | 3°18 | 11°54 | 3°45 | 21°45 | 24°46 | 21°45 | 1°42 | 0°11 | 12°32 | 18° 6 | S 4 |
| S 5 | 16 55 7 | 15° 6'54 | 29°38 | 27°30 | 23°55 | 4° 2 | 11°46 | 3°42 | 21°43 | 24°46 | 21°44 | 1°37 | 0° 8 | 12°39 | 18° 3 | S 5 |
| M 6 | 16 59 4 | 16° 4'43 | 14♋46 | 29°19 | 25° 8 | 4°46 | 11°39 | 3°40 | 21°40 | 24°46 | 21°42 | 1°30 | 0° 5 | 12°46 | 18° 0 | M 6 |
| T 7 | 17 3 1 | 17° 2'31 | 29°45 | 1♊10 | 26°21 | 5°30 | 11°31 | 3°38 | 21°38 | 24°45 | 21°41 | 1°24 | 0° 2 | 12°52 | 17°57 | T 7 |
| W 8 | 17 6 57 | 18° 0'17 | 14♌27 | 3° 3 | 27°34 | 6°14 | 11°23 | 3°36 | 21°35 | 24°45 | 21°39 | 1°18 | 29♈58 | 12°59 | 17°54 | W 8 |
| T 9 | 17 10 54 | 18°58'01 | 28°47 | 4°58 | 28°47 | 6°58 | 11°16 | 3°33 | 21°33 | 24°45 | 21°37 | 1°15 | 29°55 | 13° 6 | 17°51 | T 9 |
| F 10 | 17 14 50 | 19°55'44 | 12♍42 | 6°54 | 0♊ 0 | 7°41 | 11° 8 | 3°31 | 21°30 | 24°44 | 21°36 | 1°13 | 29°52 | 13°12 | 17°48 | F 10 |
| S 11 | 17 18 47 | 20°53'25 | 26°13 | 8°53 | 1°14 | 8°25 | 11° 1 | 3°28 | 21°28 | 24°44 | 21°34 | 1°D13 | 29°49 | 13°19 | 17°44 | S 11 |
| S 12 | 17 22 43 | 21°51'05 | 9♎21 | 10°54 | 2°27 | 9° 9 | 10°53 | 3°25 | 21°25 | 24°43 | 21°32 | 1°14 | 29°46 | 13°26 | 17°41 | S 12 |
| M13 | 17 26 40 | 22°48'43 | 22°10 | 12°57 | 3°40 | 9°52 | 10°46 | 3°23 | 21°23 | 24°43 | 21°31 | 1°15 | 29°42 | 13°33 | 17°38 | M13 |
| T 14 | 17 30 36 | 23°46'20 | 4♏43 | 15° 2 | 4°53 | 10°36 | 10°39 | 3°20 | 21°20 | 24°42 | 21°29 | 1°R15 | 29°39 | 13°39 | 17°34 | T 14 |
| W15 | 17 34 33 | 24°43'56 | 17° 3 | 17° 8 | 6° 6 | 11°19 | 10°31 | 3°17 | 21°18 | 24°42 | 21°27 | 1°14 | 29°36 | 13°46 | 17°31 | W15 |
| T 16 | 17 38 30 | 25°41'30 | 29°14 | 19°16 | 7°19 | 12° 3 | 10°24 | 3°14 | 21°15 | 24°41 | 21°26 | 1°10 | 29°33 | 13°53 | 17°27 | T 16 |
| F 17 | 17 42 26 | 26°39'03 | 11♐17 | 21°25 | 8°33 | 12°46 | 10°17 | 3°11 | 21°13 | 24°40 | 21°24 | 1° 4 | 29°30 | 14° 0 | 17°24 | F 17 |
| S 18 | 17 46 23 | 27°36'36 | 23°15 | 23°35 | 9°46 | 13°29 | 10°10 | 3° 8 | 21°10 | 24°40 | 21°23 | 0°56 | 29°27 | 14° 6 | 17°20 | S 18 |
| S 19 | 17 50 19 | 28°34'07 | 5♑10 | 25°46 | 10°59 | 14°13 | 10° 3 | 3° 5 | 21° 8 | 24°39 | 21°21 | 0°46 | 29°23 | 14°13 | 17°16 | S 19 |
| M20 | 17 54 16 | 29°31'37 | 17° 3 | 27°58 | 12°12 | 14°56 | 9°56 | 3° 1 | 21° 5 | 24°38 | 21°19 | 0°35 | 29°20 | 14°20 | 17°13 | M20 |
| T 21 | 17 58 12 | 0♋29'06 | 28°55 | 0♋10 | 13°25 | 15°39 | 9°50 | 2°58 | 21° 3 | 24°38 | 21°18 | 0°24 | 29°17 | 14°26 | 17° 9 | T 21 |
| W22 | 18 2 9 | 1°26'34 | 10♒49 | 2°22 | 14°39 | 16°22 | 9°43 | 2°55 | 21° 0 | 24°37 | 21°16 | 0°14 | 29°14 | 14°33 | 17° 5 | W22 |
| T 23 | 18 6 6 | 2°24'02 | 22°47 | 4°34 | 15°52 | 17° 5 | 9°36 | 2°51 | 20°58 | 24°36 | 21°15 | 0° 5 | 29°11 | 14°40 | 17° 2 | T 23 |
| F 24 | 18 10 2 | 3°21'29 | 4♓51 | 6°46 | 17° 5 | 17°48 | 9°30 | 2°48 | 20°56 | 24°35 | 21°13 | 29♈59 | 29° 8 | 14°47 | 16°58 | F 24 |
| S 25 | 18 13 59 | 4°18'55 | 17° 6 | 8°57 | 18°18 | 18°31 | 9°23 | 2°44 | 20°53 | 24°34 | 21°11 | 29°56 | 29° 4 | 14°53 | 16°54 | S 25 |
| S 26 | 18 17 55 | 5°16'20 | 29°36 | 11° 7 | 19°32 | 19°14 | 9°17 | 2°41 | 20°51 | 24°33 | 21°10 | 29°54 | 29° 1 | 15° 0 | 16°50 | S 26 |
| M27 | 18 21 52 | 6°13'45 | 12♈24 | 13°16 | 20°45 | 19°57 | 9°11 | 2°37 | 20°48 | 24°32 | 21° 8 | 29°D54 | 28°58 | 15° 7 | 16°46 | M27 |
| T 28 | 18 25 48 | 7°11'10 | 25°36 | 15°24 | 21°58 | 20°40 | 9° 5 | 2°33 | 20°46 | 24°31 | 21° 7 | 29°R55 | 28°55 | 15°13 | 16°42 | T 28 |
| W29 | 18 29 45 | 8° 8'34 | 9♉14 | 17°30 | 23°12 | 21°23 | 8°59 | 2°29 | 20°44 | 24°30 | 21° 5 | 29°54 | 28°52 | 15°20 | 16°39 | W29 |
| T 30 | 18 33 41 | 9♋ 5'58 | 23♉21 | 19♋34 | 24♊25 | 22♊ 5 | 8♐53 | 2♒26 | 20♐41 | 24♒29 | 21♐ 4 | 29♈53 | 28♈48 | 15♑27 | 16♑35 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n 1 | 11n37 | 0s 6 | 15n29 | 2s24 | 15n58 | 1s29 | 20n13 | 0s 4 | 21s12 | 0n58 | 19s 3 | 0n 8 | 23s 6 | 0s 2 | 13s12 | 0s 0 | 11s 1 | 12n 4 | 12n 3 | 11n32 | 27s38 | 14s37 | 7n31 |
| T 2 | 22 8 | 17 23 | 1n11 | 16 2 | 2 17 | 16 19 | 1 28 | 20 22 | 0 3 | 21 11 | 0 57 | 19 4 | 0 8 | 23 5 | 0 2 | 13 12 | 0 0 | 11 1 | 12 4 | 12 3 | 11 31 | 27 37 | 14 37 | 7 32 |
| F 3 | 22 16 | 22 19 | 2 25 | 16 34 | 2 10 | 16 39 | 1 26 | 20 31 | 0 2 | 21 10 | 0 57 | 19 4 | 0 8 | 23 5 | 0 2 | 13 12 | 0 0 | 11 1 | 12 4 | 12 2 | 11 30 | 27 37 | 14 37 | 7 32 |
| S 4 | 22 23 | 25 54 | 3 30 | 17 7 | 2 2 | 16 59 | 1 25 | 20 41 | 0 2 | 21 9 | 0 57 | 19 5 | 0 8 | 23 5 | 0 2 | 13 12 | 0 0 | 11 1 | 12 4 | 12 0 | 11 29 | 27 36 | 14 37 | 7 33 |
| S 5 | 22 29 | 27 41 | 4 22 | 17 39 | 1 54 | 17 18 | 1 23 | 20 50 | 0 1 | 21 8 | 0 57 | 19 5 | 0 8 | 23 5 | 0 2 | 13 12 | 0 0 | 11 1 | 12 4 | 11 58 | 11 28 | 27 36 | 14 37 | 7 33 |
| M 6 | 22 35 | 27 23 | 4 55 | 18 11 | 1 45 | 17 37 | 1 22 | 20 58 | 0 0 | 21 7 | 0 57 | 19 6 | 0 8 | 23 5 | 0 2 | 13 12 | 0 0 | 11 1 | 12 4 | 11 56 | 11 26 | 27 36 | 14 37 | 7 33 |
| T 7 | 22 41 | 25 7 | 5 8 | 18 43 | 1 36 | 17 56 | 1 20 | 21 7 | 0n 0 | 21 6 | 0 57 | 19 7 | 0 8 | 23 5 | 0 2 | 13 12 | 0 0 | 11 1 | 12 4 | 11 54 | 11 25 | 27 35 | 14 37 | 7 34 |
| W 8 | 22 46 | 21 12 | 5 0 | 19 14 | 1 27 | 18 14 | 1 19 | 21 15 | 0 1 | 21 5 | 0 57 | 19 7 | 0 8 | 23 5 | 0 2 | 13 13 | 0 0 | 11 1 | 12 4 | 11 52 | 11 24 | 27 35 | 14 37 | 7 34 |
| T 9 | 22 51 | 16 7 | 4 34 | 19 45 | 1 17 | 18 32 | 1 17 | 21 23 | 0 2 | 21 4 | 0 57 | 19 8 | 0 8 | 23 4 | 0 2 | 13 13 | 0 0 | 11 1 | 12 4 | 11 51 | 11 23 | 27 34 | 14 37 | 7 35 |
| F 10 | 22 56 | 10 19 | 3 51 | 20 15 | 1 7 | 18 49 | 1 15 | 21 31 | 0 2 | 21 4 | 0 57 | 19 9 | 0 8 | 23 4 | 0 2 | 13 13 | 0 0 | 11 1 | 12 4 | 11 50 | 11 22 | 27 34 | 14 37 | 7 35 |
| S 11 | 23 0 | 4 13 | 2 57 | 20 44 | 0 57 | 19 6 | 1 14 | 21 38 | 0 3 | 21 3 | 0 56 | 19 9 | 0 8 | 23 4 | 0 2 | 13 13 | 0 0 | 11 1 | 12 4 | 11 50 | 11 21 | 27 34 | 14 37 | 7 35 |
| S 12 | 23 4 | 1s55 | 1 55 | 21 12 | 0 46 | 19 22 | 1 12 | 21 46 | 0 4 | 21 2 | 0 56 | 19 10 | 0 8 | 23 4 | 0 2 | 13 13 | 0 0 | 11 1 | 12 3 | 11 50 | 11 20 | 27 33 | 14 37 | 7 36 |
| M13 | 23 7 | 7 50 | 0 49 | 21 39 | 0 35 | 19 38 | 1 10 | 21 53 | 0 4 | 21 1 | 0 56 | 19 11 | 0 7 | 23 4 | 0 2 | 13 13 | 0 0 | 11 1 | 12 3 | 11 51 | 11 19 | 27 33 | 14 37 | 7 36 |
| T 14 | 23 10 | 13 19 | 0s19 | 22 4 | 0 25 | 19 53 | 1 8 | 22 0 | 0 5 | 21 0 | 0 56 | 19 11 | 0 7 | 23 4 | 0 2 | 13 14 | 0 0 | 11 1 | 12 3 | 11 51 | 11 18 | 27 32 | 14 37 | 7 37 |
| W15 | 23 13 | 18 11 | 1 24 | 22 28 | 0 14 | 20 7 | 1 6 | 22 7 | 0 6 | 20 59 | 0 56 | 19 12 | 0 7 | 23 4 | 0 2 | 13 14 | 0 1 | 11 1 | 12 3 | 11 50 | 11 16 | 27 32 | 14 37 | 7 37 |
| T 16 | 23 15 | 22 13 | 2 24 | 22 50 | 0 3 | 20 22 | 1 4 | 22 13 | 0 6 | 20 58 | 0 56 | 19 13 | 0 7 | 23 3 | 0 2 | 13 14 | 0 1 | 11 1 | 12 3 | 11 49 | 11 15 | 27 31 | 14 37 | 7 37 |
| F 17 | 23 16 | 25 16 | 3 17 | 23 10 | 0n 7 | 20 35 | 1 2 | 22 19 | 0 7 | 20 57 | 0 56 | 19 14 | 0 7 | 23 3 | 0 2 | 13 14 | 0 1 | 11 1 | 12 3 | 11 47 | 11 14 | 27 31 | 14 37 | 7 38 |
| S 18 | 23 17 | 27 9 | 4 1 | 23 27 | 0 18 | 20 48 | 1 0 | 22 25 | 0 8 | 20 57 | 0 55 | 19 14 | 0 7 | 23 3 | 0 2 | 13 14 | 0 1 | 11 1 | 12 3 | 11 44 | 11 13 | 27 30 | 14 37 | 7 38 |
| S 19 | 23 18 | 27 47 | 4 34 | 23 43 | 0 28 | 21 1 | 0 58 | 22 31 | 0 8 | 20 56 | 0 55 | 19 15 | 0 7 | 23 3 | 0 2 | 13 15 | 0 1 | 11 1 | 12 3 | 11 41 | 11 12 | 27 30 | 14 38 | 7 38 |
| M20 | 23 19 | 27 7 | 4 55 | 23 56 | 0 38 | 21 12 | 0 56 | 22 37 | 0 9 | 20 55 | 0 55 | 19 16 | 0 7 | 23 3 | 0 2 | 13 15 | 0 1 | 11 1 | 12 3 | 11 37 | 11 11 | 27 29 | 14 38 | 7 38 |
| T 21 | 23 19 | 25 13 | 5 3 | 24 6 | 0 48 | 21 24 | 0 54 | 22 42 | 0 10 | 20 54 | 0 55 | 19 17 | 0 7 | 23 3 | 0 2 | 13 15 | 0 1 | 11 1 | 12 2 | 11 33 | 11 10 | 27 29 | 14 38 | 7 39 |
| W22 | 23 18 | 22 12 | 4 58 | 24 14 | 0 57 | 21 35 | 0 52 | 22 47 | 0 10 | 20 53 | 0 55 | 19 18 | 0 7 | 23 2 | 0 2 | 13 15 | 0 1 | 11 1 | 12 2 | 11 30 | 11 9 | 27 28 | 14 38 | 7 39 |
| T 23 | 23 17 | 18 16 | 4 40 | 24 20 | 1 6 | 21 45 | 0 50 | 22 52 | 0 11 | 20 52 | 0 55 | 19 19 | 0 7 | 23 2 | 0 2 | 13 16 | 0 1 | 11 1 | 12 2 | 11 27 | 11 7 | 27 28 | 14 38 | 7 39 |
| F 24 | 23 16 | 13 33 | 4 10 | 24 22 | 1 14 | 21 54 | 0 47 | 22 57 | 0 12 | 20 52 | 0 54 | 19 19 | 0 7 | 23 2 | 0 2 | 13 16 | 0 1 | 11 1 | 12 2 | 11 25 | 11 6 | 27 27 | 14 38 | 7 40 |
| S 25 | 23 15 | 8 15 | 3 27 | 24 22 | 1 21 | 22 3 | 0 45 | 23 1 | 0 12 | 20 51 | 0 54 | 19 20 | 0 7 | 23 2 | 0 2 | 13 16 | 0 1 | 11 1 | 12 2 | 11 23 | 11 5 | 27 27 | 14 39 | 7 40 |
| S 26 | 23 13 | 2 31 | 2 34 | 24 19 | 1 28 | 22 11 | 0 43 | 23 6 | 0 13 | 20 50 | 0 54 | 19 21 | 0 6 | 23 2 | 0 2 | 13 17 | 0 1 | 11 1 | 12 2 | 11 23 | 11 4 | 27 26 | 14 39 | 7 40 |
| M27 | 23 10 | 3n28 | 1 32 | 24 13 | 1 34 | 22 19 | 0 41 | 23 10 | 0 14 | 20 49 | 0 54 | 19 22 | 0 6 | 23 2 | 0 2 | 13 17 | 0 1 | 11 1 | 12 1 | 11 23 | 11 3 | 27 26 | 14 39 | 7 40 |
| T 28 | 23 7 | 9 29 | 0 23 | 24 5 | 1 40 | 22 26 | 0 38 | 23 13 | 0 14 | 20 49 | 0 54 | 19 23 | 0 6 | 23 2 | 0 2 | 13 17 | 0 1 | 11 1 | 12 1 | 11 23 | 11 2 | 27 25 | 14 39 | 7 40 |
| W29 | 23 4 | 15 17 | 0n49 | 23 54 | 1 44 | 22 32 | 0 36 | 23 17 | 0 15 | 20 48 | 0 54 | 19 24 | 0 6 | 23 1 | 0 2 | 13 18 | 0 1 | 11 1 | 12 1 | 11 23 | 11 1 | 27 24 | 14 40 | 7 40 |
| T 30 | 23n 0 | 20n28 | 2n 1 | 23n41 | 1n48 | 22n38 | 0s34 | 23n20 | 0n16 | 20s47 | 0n53 | 19s25 | 0n 6 | 23s 1 | 0s 2 | 13s18 | 0s 1 | 11s 2 | 12n 1 | 11n22 | 11n 0 | 27s24 | 14s40 | 7n41 |

Julian Day Number = 2813651.5, Delta T = 53m56s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°37'08, Lahiri = 37°44'08


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# ASTRODIENST EPHEMERIS for the year 2991
# geocentric

## JULY 2991 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 37 38 | 10♋ 3'21 | 7♊55 | 21♋36 | 25♊38 | 22♊48 | 8°R48 | 2°R22 | 20°R39 | 24°R28 | 21°R 2 | 29°R48 | 28♈45 | 15♉34 | 16°R31 | F 1 |
| S 2 | 18 41 35 | 11° 0'44 | 22°53 | 23°37 | 26°52 | 23°30 | 8♐42 | 2♒18 | 20♐37 | 24♒27 | 21♐ 0 | 29♈41 | 28°42 | 15°40 | 16♉27 | S 2 |
| S 3 | 18 45 31 | 11°58'07 | 8♋ 6 | 25°35 | 28° 5 | 24°13 | 8°37 | 2°14 | 20°34 | 24°26 | 20°59 | 29°33 | 28°39 | 15°47 | 16°23 | S 3 |
| M 4 | 18 49 28 | 12°55'29 | 23°25 | 27°31 | 29°18 | 24°55 | 8°31 | 2°10 | 20°32 | 24°25 | 20°58 | 29°22 | 28°36 | 15°54 | 16°19 | M 4 |
| T 5 | 18 53 24 | 13°52'50 | 8♌38 | 29°26 | 0♋32 | 25°38 | 8°26 | 2° 6 | 20°30 | 24°24 | 20°56 | 29°12 | 28°33 | 16° 0 | 16°15 | T 5 |
| W 6 | 18 57 21 | 14°50'11 | 23°34 | 1♌17 | 1°45 | 26°20 | 8°21 | 2° 2 | 20°28 | 24°23 | 20°55 | 29° 4 | 28°29 | 16° 7 | 16°11 | W 6 |
| T 7 | 19 1 17 | 15°47'30 | 8♍ 7 | 3° 7 | 2°58 | 27° 3 | 8°16 | 1°57 | 20°26 | 24°22 | 20°53 | 28°57 | 28°26 | 16°14 | 16° 7 | T 7 |
| F 8 | 19 5 14 | 16°44'49 | 22°11 | 4°54 | 4°12 | 27°45 | 8°12 | 1°53 | 20°23 | 24°21 | 20°52 | 28°53 | 28°23 | 16°21 | 16° 3 | F 8 |
| S 9 | 19 9 10 | 17°42'08 | 5♎46 | 6°39 | 5°25 | 28°27 | 8° 7 | 1°49 | 20°21 | 24°19 | 20°50 | 28°51 | 28°20 | 16°27 | 15°59 | S 9 |
| S 10 | 19 13 7 | 18°39'25 | 18°55 | 8°22 | 6°39 | 29° 9 | 8° 3 | 1°45 | 20°19 | 24°18 | 20°49 | 28°D51 | 28°17 | 16°34 | 15°55 | S 10 |
| M11 | 19 17 4 | 19°36'42 | 1♏40 | 10° 3 | 7°52 | 29°51 | 7°59 | 1°41 | 20°17 | 24°17 | 20°47 | 28°R51 | 28°14 | 16°41 | 15°51 | M11 |
| T 12 | 19 21 0 | 20°33'58 | 14° 7 | 11°41 | 9° 6 | 0♋33 | 7°55 | 1°36 | 20°15 | 24°16 | 20°46 | 28°50 | 28°10 | 16°48 | 15°47 | T 12 |
| W13 | 19 24 57 | 21°31'14 | 26°20 | 13°17 | 10°19 | 1°15 | 7°51 | 1°32 | 20°13 | 24°14 | 20°45 | 28°47 | 28° 7 | 16°54 | 15°43 | W13 |
| T 14 | 19 28 53 | 22°28'29 | 8♐23 | 14°50 | 11°32 | 1°57 | 7°47 | 1°28 | 20°11 | 24°13 | 20°43 | 28°43 | 28° 4 | 17° 1 | 15°40 | T 14 |
| F 15 | 19 32 50 | 23°25'44 | 20°19 | 16°21 | 12°46 | 2°39 | 7°44 | 1°23 | 20° 9 | 24°12 | 20°42 | 28°35 | 28° 1 | 17° 8 | 15°36 | F 15 |
| S 16 | 19 36 46 | 24°22'59 | 2♑13 | 17°50 | 13°59 | 3°21 | 7°40 | 1°19 | 20° 7 | 24°10 | 20°41 | 28°24 | 27°58 | 17°14 | 15°32 | S 16 |
| S 17 | 19 40 43 | 25°20'13 | 14° 5 | 19°16 | 15°13 | 4° 2 | 7°37 | 1°15 | 20° 5 | 24° 9 | 20°40 | 28°12 | 27°54 | 17°21 | 15°28 | S 17 |
| M18 | 19 44 40 | 26°17'27 | 25°58 | 20°40 | 16°26 | 4°44 | 7°34 | 1°10 | 20° 3 | 24° 8 | 20°38 | 27°58 | 27°51 | 17°28 | 15°24 | M18 |
| T 19 | 19 48 36 | 27°14'41 | 7♒53 | 22° 2 | 17°40 | 5°26 | 7°31 | 1° 6 | 20° 2 | 24° 6 | 20°37 | 27°44 | 27°48 | 17°35 | 15°20 | T 19 |
| W20 | 19 52 33 | 28°11'55 | 19°51 | 23°21 | 18°53 | 6° 7 | 7°28 | 1° 1 | 20° 0 | 24° 5 | 20°36 | 27°32 | 27°45 | 17°41 | 15°16 | W20 |
| T 21 | 19 56 29 | 29° 9'09 | 1♓54 | 24°37 | 20° 7 | 6°49 | 7°26 | 0°57 | 19°58 | 24° 3 | 20°35 | 27°21 | 27°42 | 17°48 | 15°13 | T 21 |
| F 22 | 20 0 26 | 0♈ 6'23 | 14° 5 | 25°51 | 21°21 | 7°30 | 7°23 | 0°52 | 19°56 | 24° 2 | 20°34 | 27°13 | 27°39 | 17°55 | 15° 9 | F 22 |
| S 23 | 20 4 22 | 1° 3'37 | 26°25 | 27° 2 | 22°34 | 8°12 | 7°21 | 0°48 | 19°55 | 24° 1 | 20°32 | 27° 8 | 27°35 | 18° 1 | 15° 5 | S 23 |
| S 24 | 20 8 19 | 2° 0'51 | 8♈57 | 28°11 | 23°48 | 8°53 | 7°19 | 0°44 | 19°53 | 23°59 | 20°31 | 27° 5 | 27°32 | 18° 8 | 15° 2 | S 24 |
| M25 | 20 12 15 | 2°58'06 | 21°46 | 29°16 | 25° 1 | 9°34 | 7°17 | 0°39 | 19°51 | 23°58 | 20°30 | 27° 4 | 27°29 | 18°15 | 14°58 | M25 |
| T 26 | 20 16 12 | 3°55'21 | 4♉54 | 0♍19 | 26°15 | 10°16 | 7°16 | 0°35 | 19°50 | 23°56 | 20°29 | 27° 4 | 27°26 | 18°22 | 14°54 | T 26 |
| W27 | 20 20 8 | 4°52'36 | 18°26 | 1°19 | 27°29 | 10°57 | 7°14 | 0°30 | 19°48 | 23°55 | 20°28 | 27° 4 | 27°23 | 18°28 | 14°51 | W27 |
| T 28 | 20 24 5 | 5°49'52 | 2♊23 | 2°16 | 28°42 | 11°38 | 7°13 | 0°26 | 19°47 | 23°53 | 20°27 | 27° 2 | 27°19 | 18°35 | 14°47 | T 28 |
| F 29 | 20 28 2 | 6°47'09 | 16°47 | 3°10 | 29°56 | 12°19 | 7°12 | 0°22 | 19°45 | 23°52 | 20°26 | 26°57 | 27°16 | 18°42 | 14°44 | F 29 |
| S 30 | 20 31 58 | 7°44'26 | 1♋34 | 4° 0 | 1♌10 | 13° 0 | 7°11 | 0°17 | 19°44 | 23°50 | 20°25 | 26°51 | 27°13 | 18°49 | 14°40 | S 30 |
| S 31 | 20 35 55 | 8♌41'43 | 16♋39 | 4♍47 | 2♌24 | 13♋41 | 7♐10 | 0♒13 | 19♐43 | 23♒48 | 20♐24 | 26♈42 | 27♈10 | 18♉55 | 14♉37 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n56 | 24n35 | 3n 7 | 23n25 | 1n51 | 22n43 | 0s31 | 23n23 | 0n16 | 20s47 | 0n53 | 19s26 | 0n 6 | 23s 1 | 0s 2 | 13s18 | 0s 1 | 11s 2 | 12n 1 | 11n21 | 10n58 | 27s23 | 14s40 | 7n41 |
| S 2 | 22 52 | 27 9 | 4 2 | 23 8 | 1 54 | 22 48 | 0 29 | 23 26 | 0 17 | 20 46 | 0 53 | 19 27 | 0 6 | 23 1 | 0 2 | 13 19 | 0 1 | 11 2 | 12 0 | 11 18 | 10 57 | 27 23 | 14 41 | 7 41 |
| S 3 | 22 47 | 27 44 | 4 41 | 22 48 | 1 55 | 22 52 | 0 26 | 23 29 | 0 17 | 20 45 | 0 53 | 19 28 | 0 6 | 23 1 | 0 2 | 13 19 | 0 1 | 11 2 | 12 0 | 11 15 | 10 56 | 27 22 | 14 41 | 7 41 |
| M 4 | 22 41 | 26 13 | 5 0 | 22 27 | 1 56 | 22 55 | 0 24 | 23 31 | 0 18 | 20 45 | 0 53 | 19 29 | 0 6 | 23 1 | 0 2 | 13 19 | 0 1 | 11 2 | 12 0 | 11 12 | 10 55 | 27 21 | 14 41 | 7 41 |
| T 5 | 22 36 | 22 47 | 4 57 | 22 4 | 1 57 | 22 57 | 0 21 | 23 33 | 0 19 | 20 44 | 0 52 | 19 30 | 0 6 | 23 1 | 0 2 | 13 20 | 0 1 | 11 2 | 12 0 | 11 8 | 10 54 | 27 21 | 14 42 | 7 41 |
| W 6 | 22 30 | 17 55 | 4 35 | 21 39 | 1 56 | 22 59 | 0 19 | 23 35 | 0 19 | 20 43 | 0 52 | 19 31 | 0 6 | 23 0 | 0 2 | 13 20 | 0 1 | 11 2 | 11 59 | 11 5 | 10 53 | 27 20 | 14 42 | 7 41 |
| T 7 | 22 23 | 12 7 | 3 54 | 21 13 | 1 55 | 23 0 | 0 17 | 23 37 | 0 20 | 20 43 | 0 52 | 19 32 | 0 6 | 23 0 | 0 2 | 13 21 | 0 1 | 11 3 | 11 59 | 11 3 | 10 52 | 27 19 | 14 43 | 7 41 |
| F 8 | 22 16 | 5 52 | 3 1 | 20 46 | 1 53 | 23 1 | 0 14 | 23 38 | 0 21 | 20 42 | 0 52 | 19 33 | 0 5 | 23 0 | 0 2 | 13 21 | 0 1 | 11 3 | 11 59 | 11 1 | 10 51 | 27 19 | 14 43 | 7 41 |
| S 9 | 22 9 | 0s28 | 1 59 | 20 17 | 1 50 | 23 0 | 0 12 | 23 40 | 0 21 | 20 42 | 0 52 | 19 34 | 0 5 | 23 0 | 0 2 | 13 21 | 0 1 | 11 3 | 11 59 | 11 1 | 10 50 | 27 18 | 14 43 | 7 41 |
| S 10 | 22 1 | 6 34 | 0 52 | 19 47 | 1 47 | 23 0 | 0 9 | 23 41 | 0 22 | 20 41 | 0 51 | 19 35 | 0 5 | 23 0 | 0 2 | 13 22 | 0 1 | 11 3 | 11 58 | 11 0 | 10 48 | 27 17 | 14 44 | 7 41 |
| M11 | 21 53 | 12 14 | 0s15 | 19 17 | 1 42 | 22 58 | 0 7 | 23 41 | 0 23 | 20 41 | 0 51 | 19 36 | 0 5 | 23 0 | 0 2 | 13 22 | 0 1 | 11 3 | 11 58 | 11 0 | 10 47 | 27 17 | 14 44 | 7 41 |
| T 12 | 21 45 | 17 16 | 1 20 | 18 46 | 1 38 | 22 56 | 0 4 | 23 42 | 0 23 | 20 40 | 0 51 | 19 37 | 0 5 | 23 0 | 0 2 | 13 23 | 0 1 | 11 4 | 11 58 | 11 0 | 10 46 | 27 16 | 14 45 | 7 41 |
| W13 | 21 36 | 21 30 | 2 20 | 18 14 | 1 33 | 22 53 | 0 2 | 23 42 | 0 24 | 20 40 | 0 51 | 19 38 | 0 5 | 22 59 | 0 2 | 13 23 | 0 1 | 11 4 | 11 57 | 10 59 | 10 45 | 27 15 | 14 45 | 7 41 |
| T 14 | 21 27 | 24 45 | 3 12 | 17 41 | 1 27 | 22 49 | 0n 1 | 23 43 | 0 25 | 20 40 | 0 50 | 19 39 | 0 5 | 22 59 | 0 2 | 13 24 | 0 1 | 11 4 | 11 57 | 10 58 | 10 44 | 27 15 | 14 46 | 7 41 |
| F 15 | 21 18 | 26 53 | 3 56 | 17 8 | 1 20 | 22 45 | 0 3 | 23 42 | 0 25 | 20 39 | 0 50 | 19 40 | 0 5 | 22 59 | 0 2 | 13 24 | 0 1 | 11 4 | 11 57 | 10 55 | 10 43 | 27 14 | 14 46 | 7 41 |
| S 16 | 21 8 | 27 47 | 4 29 | 16 34 | 1 13 | 22 40 | 0 5 | 23 42 | 0 26 | 20 39 | 0 50 | 19 41 | 0 5 | 22 59 | 0 2 | 13 24 | 0 1 | 11 4 | 11 56 | 10 51 | 10 42 | 27 13 | 14 46 | 7 41 |
| S 17 | 20 57 | 27 23 | 4 50 | 16 0 | 1 6 | 22 35 | 0 8 | 23 42 | 0 27 | 20 39 | 0 50 | 19 42 | 0 5 | 22 59 | 0 2 | 13 25 | 0 1 | 11 5 | 11 56 | 10 47 | 10 40 | 27 13 | 14 47 | 7 41 |
| M18 | 20 47 | 25 44 | 4 59 | 15 26 | 0 58 | 22 29 | 0 10 | 23 41 | 0 27 | 20 38 | 0 50 | 19 43 | 0 5 | 22 59 | 0 2 | 13 25 | 0 1 | 11 5 | 11 56 | 10 42 | 10 39 | 27 12 | 14 47 | 7 41 |
| T 19 | 20 36 | 22 57 | 4 55 | 14 52 | 0 49 | 22 22 | 0 13 | 23 40 | 0 28 | 20 38 | 0 49 | 19 44 | 0 5 | 22 59 | 0 2 | 13 26 | 0 1 | 11 5 | 11 56 | 10 37 | 10 38 | 27 11 | 14 48 | 7 41 |
| W20 | 20 25 | 19 10 | 4 37 | 14 18 | 0 40 | 22 14 | 0 15 | 23 39 | 0 28 | 20 38 | 0 49 | 19 45 | 0 4 | 22 58 | 0 2 | 13 26 | 0 1 | 11 5 | 11 55 | 10 32 | 10 37 | 27 10 | 14 48 | 7 41 |
| T 21 | 20 13 | 14 35 | 4 7 | 13 44 | 0 31 | 22 6 | 0 17 | 23 37 | 0 29 | 20 38 | 0 49 | 19 46 | 0 4 | 22 58 | 0 2 | 13 27 | 0 1 | 11 6 | 11 55 | 10 29 | 10 36 | 27 10 | 14 49 | 7 41 |
| F 22 | 20 1 | 9 24 | 3 26 | 13 10 | 0 21 | 21 57 | 0 20 | 23 36 | 0 30 | 20 38 | 0 49 | 19 47 | 0 4 | 22 58 | 0 2 | 13 27 | 0 1 | 11 6 | 11 54 | 10 26 | 10 35 | 27 9 | 14 50 | 7 41 |
| S 23 | 19 49 | 3 47 | 2 34 | 12 36 | 0 10 | 21 48 | 0 22 | 23 34 | 0 30 | 20 38 | 0 49 | 19 48 | 0 4 | 22 58 | 0 2 | 13 28 | 0 1 | 11 6 | 11 54 | 10 24 | 10 34 | 27 8 | 14 50 | 7 41 |
| S 24 | 19 36 | 2n 5 | 1 34 | 12 2 | 0s 0 | 21 38 | 0 24 | 23 32 | 0 31 | 20 37 | 0 48 | 19 49 | 0 4 | 22 58 | 0 2 | 13 28 | 0 1 | 11 6 | 11 54 | 10 23 | 10 33 | 27 7 | 14 51 | 7 40 |
| M25 | 19 24 | 8 0 | 0 28 | 11 29 | 0 12 | 21 27 | 0 27 | 23 30 | 0 32 | 20 37 | 0 48 | 19 50 | 0 4 | 22 58 | 0 2 | 13 29 | 0 1 | 11 7 | 11 53 | 10 23 | 10 31 | 27 7 | 14 51 | 7 40 |
| T 26 | 19 10 | 13 44 | 0n41 | 10 56 | 0 23 | 21 16 | 0 29 | 23 27 | 0 32 | 20 37 | 0 48 | 19 51 | 0 4 | 22 58 | 0 2 | 13 29 | 0 1 | 11 7 | 11 53 | 10 22 | 10 30 | 27 6 | 14 52 | 7 40 |
| W27 | 18 57 | 18 59 | 1 50 | 10 24 | 0 35 | 21 4 | 0 31 | 23 25 | 0 33 | 20 37 | 0 48 | 19 52 | 0 4 | 22 58 | 0 2 | 13 30 | 0 1 | 11 7 | 11 53 | 10 22 | 10 29 | 27 5 | 14 52 | 7 40 |
| T 28 | 18 43 | 23 23 | 2 55 | 9 53 | 0 47 | 20 51 | 0 33 | 23 22 | 0 34 | 20 37 | 0 47 | 19 53 | 0 4 | 22 58 | 0 2 | 13 30 | 0 1 | 11 8 | 11 52 | 10 22 | 10 28 | 27 4 | 14 53 | 7 40 |
| F 29 | 18 29 | 26 29 | 3 51 | 9 22 | 1 0 | 20 38 | 0 36 | 23 19 | 0 34 | 20 37 | 0 47 | 19 54 | 0 4 | 22 57 | 0 2 | 13 31 | 0 1 | 11 8 | 11 52 | 10 20 | 10 27 | 27 3 | 14 53 | 7 39 |
| S 30 | 18 14 | 27 51 | 4 32 | 8 52 | 1 12 | 20 25 | 0 38 | 23 15 | 0 35 | 20 37 | 0 47 | 19 55 | 0 4 | 22 57 | 0 2 | 13 31 | 0 1 | 11 8 | 11 52 | 10 18 | 10 26 | 27 2 | 14 54 | 7 39 |
| S 31 | 18n 0 | 27n11 | 4n56 | 8n23 | 1s25 | 20n10 | 0n40 | 23n12 | 0n35 | 20s37 | 0n47 | 19s56 | 0n 3 | 22s57 | 0s 2 | 13s32 | 0s 1 | 11s 9 | 11n51 | 10n14 | 10n25 | 27s 2 | 14s55 | 7n39 |

Julian Day Number = 2813681.5, Delta T = 53m57s
Ecliptic obliquity = 23°18'46, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°37'12, Lahiri = 37°44'12


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# ASTRODIENST EPHEMERIS for the year 2991
# geocentric

## AUGUST 2991 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 39 51 | 9♌39'01 | 1♌53 | 5♍30 | 3♌37 | 14♋22 | 7°R10 | 0°R 8 | 19°R41 | 23°R47 | 20°R23 | 26°R31 | 27♈ 7 | 19♑ 2 | 14°R34 | M 1 |
| T 2 | 20 43 48 | 10°36'19 | 17° 4 | 6°10 | 4°51 | 15° 3 | 7♐ 9 | 0♒ 4 | 19♐40 | 23♒45 | 20♐22 | 26♈21 | 27° 4 | 19° 9 | 14♑30 | T 2 |
| W 3 | 20 47 44 | 11°33'38 | 2♍ 3 | 6°46 | 6° 5 | 15°44 | 7°D 9 | 29♑59 | 19°39 | 23°44 | 20°21 | 26°12 | 27° 0 | 19°15 | 14°27 | W 3 |
| T 4 | 20 51 41 | 12°30'56 | 16°41 | 7°18 | 7°19 | 16°25 | 7° 9 | 29°56 | 19°38 | 23°42 | 20°21 | 26° 5 | 26°57 | 19°22 | 14°24 | T 4 |
| F 5 | 20 55 38 | 13°28'15 | 0♎51 | 7°46 | 8°32 | 17° 5 | 7° 9 | 29°51 | 19°37 | 23°41 | 20°20 | 26° 0 | 26°54 | 19°29 | 14°21 | F 5 |
| S 6 | 20 59 34 | 14°25'34 | 14°33 | 8° 9 | 9°46 | 17°46 | 7°10 | 29°47 | 19°35 | 23°39 | 20°19 | 25°58 | 26°51 | 19°36 | 14°17 | S 6 |
| S 7 | 21 3 31 | 15°22'54 | 27°46 | 8°28 | 11° 0 | 18°27 | 7°10 | 29°43 | 19°34 | 23°37 | 20°18 | 25°D58 | 26°48 | 19°42 | 14°14 | S 7 |
| M 8 | 21 7 27 | 16°20'13 | 10♏34 | 8°42 | 12°14 | 19° 7 | 7°11 | 29°39 | 19°33 | 23°36 | 20°18 | 25°R58 | 26°45 | 19°49 | 14°11 | M 8 |
| T 9 | 21 11 24 | 17°17'33 | 23° 2 | 8°52 | 13°28 | 19°48 | 7°12 | 29°35 | 19°32 | 23°34 | 20°17 | 25°58 | 26°41 | 19°56 | 14° 8 | T 9 |
| W10 | 21 15 20 | 18°14'53 | 5♐14 | 8°R56 | 14°42 | 20°28 | 7°13 | 29°31 | 19°31 | 23°33 | 20°16 | 25°56 | 26°38 | 20° 2 | 14° 5 | W10 |
| T 11 | 21 19 17 | 19°12'14 | 17°14 | 8°56 | 15°56 | 21° 9 | 7°14 | 29°26 | 19°31 | 23°31 | 20°16 | 25°53 | 26°35 | 20° 9 | 14° 3 | T 11 |
| F 12 | 21 23 13 | 20° 9'35 | 29° 9 | 8°51 | 17° 9 | 21°49 | 7°16 | 29°22 | 19°30 | 23°29 | 20°15 | 25°47 | 26°32 | 20°16 | 14° 0 | F 12 |
| S 13 | 21 27 10 | 21° 6'56 | 11♑ 1 | 8°40 | 18°23 | 22°29 | 7°18 | 29°19 | 19°29 | 23°28 | 20°14 | 25°39 | 26°29 | 20°23 | 13°57 | S 13 |
| S 14 | 21 31 7 | 22° 4'18 | 22°53 | 8°25 | 19°37 | 23° 9 | 7°19 | 29°15 | 19°28 | 23°26 | 20°14 | 25°28 | 26°25 | 20°29 | 13°54 | S 14 |
| M15 | 21 35 3 | 23° 1'40 | 4♒48 | 8° 4 | 20°51 | 23°50 | 7°21 | 29°11 | 19°28 | 23°24 | 20°13 | 25°17 | 26°22 | 20°36 | 13°52 | M15 |
| T 16 | 21 39 0 | 23°59'03 | 16°48 | 7°39 | 22° 5 | 24°30 | 7°23 | 29° 7 | 19°27 | 23°23 | 20°13 | 25° 6 | 26°19 | 20°43 | 13°49 | T 16 |
| W17 | 21 42 56 | 24°56'27 | 28°55 | 7° 9 | 23°19 | 25°10 | 7°26 | 29° 3 | 19°26 | 23°21 | 20°12 | 24°55 | 26°16 | 20°50 | 13°47 | W17 |
| T 18 | 21 46 53 | 25°53'52 | 11♓ 8 | 6°35 | 24°33 | 25°50 | 7°28 | 28°59 | 19°26 | 23°20 | 20°12 | 24°46 | 26°13 | 20°56 | 13°45 | T 18 |
| F 19 | 21 50 49 | 26°51'17 | 23°31 | 5°57 | 25°47 | 26°30 | 7°31 | 28°56 | 19°25 | 23°18 | 20°11 | 24°40 | 26°10 | 21° 3 | 13°42 | F 19 |
| S 20 | 21 54 46 | 27°48'43 | 6♈ 3 | 5°16 | 27° 1 | 27°10 | 7°34 | 28°52 | 19°25 | 23°16 | 20°11 | 24°36 | 26° 6 | 21°10 | 13°40 | S 20 |
| S 21 | 21 58 42 | 28°46'11 | 18°46 | 4°32 | 28°15 | 27°50 | 7°37 | 28°49 | 19°25 | 23°15 | 20°11 | 24°D34 | 26° 3 | 21°16 | 13°38 | S 21 |
| M22 | 22 2 39 | 29°43'39 | 1♉43 | 3°46 | 29°29 | 28°29 | 7°40 | 28°45 | 19°24 | 23°13 | 20°10 | 24°34 | 26° 0 | 21°23 | 13°36 | M22 |
| T 23 | 22 6 36 | 0♍41'09 | 14°56 | 2°58 | 0♍43 | 29° 9 | 7°43 | 28°42 | 19°24 | 23°11 | 20°10 | 24°35 | 25°57 | 21°30 | 13°34 | T 23 |
| W24 | 22 10 32 | 1°38'40 | 28°27 | 2°11 | 1°57 | 29°49 | 7°47 | 28°38 | 19°24 | 23°10 | 20°10 | 24°R36 | 25°54 | 21°37 | 13°32 | W24 |
| T 25 | 22 14 29 | 2°36'13 | 12♊19 | 1°24 | 3°11 | 0♌28 | 7°51 | 28°35 | 19°24 | 23° 8 | 20°10 | 24°35 | 25°51 | 21°43 | 13°30 | T 25 |
| F 26 | 22 18 25 | 3°33'47 | 26°31 | 0°38 | 4°26 | 1° 8 | 7°55 | 28°32 | 19°24 | 23° 7 | 20°10 | 24°33 | 25°47 | 21°50 | 13°28 | F 26 |
| S 27 | 22 22 22 | 4°31'22 | 11♋ 2 | 29♌54 | 5°40 | 1°48 | 7°59 | 28°29 | 19°24 | 23° 5 | 20° 9 | 24°29 | 25°44 | 21°57 | 13°26 | S 27 |
| S 28 | 22 26 18 | 5°28'59 | 25°48 | 29°14 | 6°54 | 2°27 | 8° 3 | 28°26 | 19°D24 | 23° 3 | 20° 9 | 24°23 | 25°41 | 22° 3 | 13°25 | S 28 |
| M29 | 22 30 15 | 6°26'37 | 10♌43 | 28°38 | 8° 8 | 3° 7 | 8° 7 | 28°23 | 19°24 | 23° 2 | 20° 9 | 24°16 | 25°38 | 22°10 | 13°23 | M29 |
| T 30 | 22 34 11 | 7°24'16 | 25°38 | 28° 7 | 9°22 | 3°46 | 8°12 | 28°20 | 19°24 | 23° 0 | 20° 9 | 24° 9 | 25°35 | 22°17 | 13°22 | T 30 |
| W31 | 22 38 8 | 8♍21'56 | 10♍24 | 27♌40 | 10♍36 | 4♌25 | 8♐16 | 28♑17 | 19♐24 | 22♒59 | 20°D 9 | 24♈ 3 | 25♈31 | 22♑24 | 13♑20 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n44 | 24n30 | 5n 0 | 7n55 | 1s38 | 19n55 | 0n42 | 23n 8 | 0n36 | 20s38 | 0n46 | 19s57 | 0n 3 | 22s57 | 0s 2 | 13s32 | 0s 1 | 11s 9 | 11n51 | 10n11 | 10n23 | 27s 1 | 14s55 | 7n39 |
| T 2 | 17 29 | 20 6 | 4 42 | 7 28 | 1 52 | 19 40 | 0 44 | 23 5 | 0 37 | 20 38 | 0 46 | 19 58 | 0 3 | 22 57 | 0 2 | 13 33 | 0 1 | 11 9 | 11 50 | 10 7 | 10 22 | 27 0 | 14 56 | 7 38 |
| W 3 | 17 14 | 14 30 | 4 5 | 7 2 | 2 5 | 19 24 | 0 46 | 23 0 | 0 37 | 20 38 | 0 46 | 19 59 | 0 3 | 22 57 | 0 2 | 13 33 | 0 1 | 11 10 | 11 50 | 10 4 | 10 21 | 26 59 | 14 56 | 7 38 |
| T 4 | 16 58 | 8 11 | 3 12 | 6 38 | 2 19 | 19 7 | 0 48 | 22 56 | 0 38 | 20 38 | 0 46 | 20 0 | 0 3 | 22 57 | 0 2 | 13 34 | 0 1 | 11 10 | 11 50 | 10 1 | 10 20 | 26 58 | 14 57 | 7 38 |
| F 5 | 16 41 | 1 38 | 2 9 | 6 15 | 2 32 | 18 50 | 0 50 | 22 52 | 0 38 | 20 38 | 0 46 | 20 1 | 0 3 | 22 57 | 0 2 | 13 34 | 0 1 | 11 10 | 11 49 | 9 59 | 10 19 | 26 57 | 14 58 | 7 38 |
| S 6 | 16 25 | 4s47 | 1 0 | 5 54 | 2 46 | 18 33 | 0 52 | 22 47 | 0 39 | 20 39 | 0 45 | 20 2 | 0 3 | 22 57 | 0 2 | 13 35 | 0 1 | 11 11 | 11 49 | 9 59 | 10 18 | 26 56 | 14 58 | 7 37 |
| S 7 | 16 8 | 10 46 | 0s10 | 5 35 | 2 59 | 18 14 | 0 54 | 22 42 | 0 40 | 20 39 | 0 45 | 20 3 | 0 3 | 22 57 | 0 2 | 13 36 | 0 1 | 11 11 | 11 48 | 9 59 | 10 17 | 26 56 | 14 59 | 7 37 |
| M 8 | 15 51 | 16 8 | 1 17 | 5 17 | 3 12 | 17 56 | 0 56 | 22 37 | 0 40 | 20 39 | 0 45 | 20 4 | 0 3 | 22 57 | 0 2 | 13 36 | 0 1 | 11 11 | 11 48 | 9 59 | 10 15 | 26 55 | 15 0 | 7 37 |
| T 9 | 15 34 | 20 40 | 2 19 | 5 2 | 3 25 | 17 37 | 0 57 | 22 32 | 0 41 | 20 40 | 0 45 | 20 5 | 0 3 | 22 57 | 0 2 | 13 37 | 0 1 | 11 12 | 11 48 | 9 59 | 10 14 | 26 54 | 15 0 | 7 36 |
| W10 | 15 17 | 24 13 | 3 13 | 4 48 | 3 38 | 17 17 | 0 59 | 22 27 | 0 42 | 20 40 | 0 44 | 20 6 | 0 3 | 22 56 | 0 2 | 13 37 | 0 1 | 11 12 | 11 47 | 9 58 | 10 13 | 26 53 | 15 1 | 7 36 |
| T 11 | 14 59 | 26 38 | 3 57 | 4 37 | 3 50 | 16 57 | 1 1 | 22 21 | 0 42 | 20 41 | 0 44 | 20 7 | 0 3 | 22 56 | 0 2 | 13 38 | 0 1 | 11 13 | 11 47 | 9 57 | 10 12 | 26 52 | 15 2 | 7 35 |
| F 12 | 14 41 | 27 50 | 4 31 | 4 28 | 4 2 | 16 36 | 1 2 | 22 16 | 0 43 | 20 41 | 0 44 | 20 8 | 0 2 | 22 56 | 0 2 | 13 38 | 0 1 | 11 13 | 11 46 | 9 55 | 10 11 | 26 51 | 15 2 | 7 35 |
| S 13 | 14 23 | 27 44 | 4 53 | 4 22 | 4 13 | 16 15 | 1 4 | 22 10 | 0 43 | 20 42 | 0 44 | 20 9 | 0 2 | 22 56 | 0 2 | 13 39 | 0 1 | 11 13 | 11 46 | 9 52 | 10 10 | 26 50 | 15 3 | 7 35 |
| S 14 | 14 5 | 26 21 | 5 2 | 4 18 | 4 23 | 15 54 | 1 5 | 22 4 | 0 44 | 20 42 | 0 44 | 20 10 | 0 2 | 22 56 | 0 2 | 13 39 | 0 1 | 11 14 | 11 45 | 9 48 | 10 9 | 26 49 | 15 3 | 7 34 |
| M15 | 13 46 | 23 47 | 4 59 | 4 17 | 4 32 | 15 32 | 1 7 | 21 57 | 0 45 | 20 43 | 0 43 | 20 11 | 0 2 | 22 56 | 0 2 | 13 40 | 0 1 | 11 14 | 11 45 | 9 44 | 10 7 | 26 48 | 15 4 | 7 34 |
| T 16 | 13 27 | 20 11 | 4 42 | 4 19 | 4 40 | 15 9 | 1 8 | 21 51 | 0 45 | 20 43 | 0 43 | 20 12 | 0 2 | 22 56 | 0 2 | 13 40 | 0 1 | 11 15 | 11 44 | 9 40 | 10 6 | 26 47 | 15 5 | 7 34 |
| W17 | 13 8 | 15 43 | 4 12 | 4 24 | 4 47 | 14 46 | 1 10 | 21 44 | 0 46 | 20 44 | 0 43 | 20 12 | 0 2 | 22 56 | 0 2 | 13 41 | 0 1 | 11 15 | 11 44 | 9 36 | 10 5 | 26 46 | 15 5 | 7 33 |
| T 18 | 12 49 | 10 35 | 3 30 | 4 31 | 4 52 | 14 23 | 1 11 | 21 38 | 0 46 | 20 44 | 0 43 | 20 13 | 0 2 | 22 56 | 0 2 | 13 41 | 0 1 | 11 15 | 11 44 | 9 33 | 10 4 | 26 45 | 15 6 | 7 33 |
| F 19 | 12 30 | 4 59 | 2 38 | 4 41 | 4 56 | 14 0 | 1 12 | 21 31 | 0 47 | 20 45 | 0 42 | 20 14 | 0 2 | 22 56 | 0 2 | 13 42 | 0 1 | 11 16 | 11 43 | 9 30 | 10 3 | 26 44 | 15 7 | 7 32 |
| S 20 | 12 10 | 0n54 | 1 37 | 4 54 | 4 59 | 13 36 | 1 14 | 21 24 | 0 48 | 20 46 | 0 42 | 20 15 | 0 2 | 22 56 | 0 2 | 13 43 | 0 1 | 11 16 | 11 43 | 9 29 | 10 2 | 26 43 | 15 7 | 7 32 |
| S 21 | 11 50 | 6 50 | 0 31 | 5 9 | 4 59 | 13 11 | 1 15 | 21 16 | 0 48 | 20 46 | 0 42 | 20 16 | 0 2 | 22 56 | 0 2 | 13 43 | 0 1 | 11 17 | 11 42 | 9 28 | 10 1 | 26 42 | 15 8 | 7 31 |
| M22 | 11 30 | 12 36 | 0n38 | 5 26 | 4 58 | 12 47 | 1 16 | 21 9 | 0 49 | 20 47 | 0 42 | 20 17 | 0 2 | 22 56 | 0 2 | 13 44 | 0 1 | 11 17 | 11 42 | 9 28 | 9 59 | 26 41 | 15 9 | 7 31 |
| T 23 | 11 10 | 17 56 | 1 47 | 5 46 | 4 55 | 12 22 | 1 17 | 21 1 | 0 49 | 20 48 | 0 42 | 20 17 | 0 1 | 22 56 | 0 2 | 13 44 | 0 1 | 11 18 | 11 41 | 9 29 | 9 58 | 26 40 | 15 9 | 7 30 |
| W24 | 10 50 | 22 30 | 2 52 | 6 7 | 4 50 | 11 56 | 1 18 | 20 54 | 0 50 | 20 49 | 0 41 | 20 18 | 0 1 | 22 56 | 0 2 | 13 45 | 0 1 | 11 18 | 11 41 | 9 29 | 9 57 | 26 39 | 15 10 | 7 30 |
| T 25 | 10 30 | 25 55 | 3 48 | 6 30 | 4 44 | 11 30 | 1 19 | 20 46 | 0 51 | 20 50 | 0 41 | 20 19 | 0 1 | 22 56 | 0 2 | 13 45 | 0 1 | 11 18 | 11 40 | 9 29 | 9 56 | 26 38 | 15 11 | 7 29 |
| F 26 | 10 9 | 27 47 | 4 31 | 6 54 | 4 35 | 11 4 | 1 20 | 20 38 | 0 51 | 20 50 | 0 41 | 20 20 | 0 1 | 22 56 | 0 2 | 13 46 | 0 1 | 11 19 | 11 40 | 9 28 | 9 55 | 26 37 | 15 11 | 7 29 |
| S 27 | 9 48 | 27 49 | 4 59 | 7 18 | 4 25 | 10 38 | 1 20 | 20 30 | 0 52 | 20 51 | 0 41 | 20 20 | 0 1 | 22 56 | 0 2 | 13 46 | 0 1 | 11 19 | 11 39 | 9 26 | 9 54 | 26 36 | 15 12 | 7 28 |
| S 28 | 9 27 | 25 54 | 5 7 | 7 43 | 4 13 | 10 12 | 1 21 | 20 21 | 0 52 | 20 52 | 0 41 | 20 21 | 0 1 | 22 56 | 0 3 | 13 47 | 0 1 | 11 20 | 11 39 | 9 24 | 9 53 | 26 35 | 15 13 | 7 28 |
| M29 | 9 6 | 22 11 | 4 55 | 8 8 | 4 0 | 9 45 | 1 22 | 20 13 | 0 53 | 20 53 | 0 40 | 20 22 | 0 1 | 22 56 | 0 3 | 13 47 | 0 1 | 11 20 | 11 39 | 9 22 | 9 51 | 26 34 | 15 13 | 7 27 |
| T 30 | 8 45 | 17 2 | 4 22 | 8 32 | 3 46 | 9 17 | 1 23 | 20 4 | 0 53 | 20 54 | 0 40 | 20 22 | 0 1 | 22 56 | 0 3 | 13 48 | 0 1 | 11 21 | 11 38 | 9 19 | 9 50 | 26 33 | 15 14 | 7 27 |
| W31 | 8n23 | 10n55 | 3n33 | 8n55 | 3s30 | 8n50 | 1n23 | 19n56 | 0n54 | 20s55 | 0n40 | 20s23 | 0n 1 | 22s56 | 0s 3 | 13s48 | 0s 1 | 11s21 | 11n38 | 9n17 | 9n49 | 26s32 | 15s15 | 7n26 |

Julian Day Number = 2813712.5, Delta T = 53m57s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°37'16, Lahiri = 37°44'17


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# ASTRODIENST EPHEMERIS for the year 2991
# geocentric

## SEPTEMBER 2991 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 42 5 | 9♍19'37 | 24♍54 | 27°R21 | 11♍50 | 5♌ 5 | 8♐21 | 28°R14 | 19♐24 | 22°R57 | 20♐ 9 | 23°R58 | 25♈28 | 22♉30 | 13°R19 | T 1 |
| F 2 | 22 46 1 | 10°17'20 | 9♎ 2 | 27♌ 7 | 13° 5 | 5°44 | 8°26 | 28♉11 | 19°24 | 22♒56 | 20° 9 | 23♈55 | 25°25 | 22°37 | 13♉18 | F 2 |
| S 3 | 22 49 58 | 11°15'03 | 22°44 | 27°D 1 | 14°19 | 6°23 | 8°31 | 28° 9 | 19°24 | 22°54 | 20° 9 | 23°D54 | 25°22 | 22°44 | 13°16 | S 3 |
| S 4 | 22 53 54 | 12°12'48 | 6♏ 0 | 27° 1 | 15°33 | 7° 2 | 8°37 | 28° 6 | 19°25 | 22°53 | 20°10 | 23°55 | 25°19 | 22°51 | 13°15 | S 4 |
| M 5 | 22 57 51 | 13°10'34 | 18°52 | 27°10 | 16°47 | 7°41 | 8°42 | 28° 4 | 19°25 | 22°51 | 20°10 | 23°56 | 25°16 | 22°57 | 13°14 | M 5 |
| T 6 | 23 1 47 | 14° 8'21 | 1♐22 | 27°26 | 18° 2 | 8°20 | 8°48 | 28° 1 | 19°26 | 22°50 | 20°10 | 23°57 | 25°12 | 23° 4 | 13°13 | T 6 |
| W 7 | 23 5 44 | 15° 6'09 | 13°36 | 27°49 | 19°16 | 8°59 | 8°54 | 27°59 | 19°26 | 22°48 | 20°10 | 23°R58 | 25° 9 | 23°11 | 13°12 | W 7 |
| T 8 | 23 9 40 | 16° 3'58 | 25°39 | 28°21 | 20°30 | 9°38 | 9° 0 | 27°57 | 19°27 | 22°47 | 20°10 | 23°58 | 25° 6 | 23°17 | 13°12 | T 8 |
| F 9 | 23 13 37 | 17° 1'48 | 7♉34 | 29° 0 | 21°44 | 10°17 | 9° 6 | 27°55 | 19°27 | 22°45 | 20°11 | 23°55 | 25° 3 | 23°24 | 13°11 | F 9 |
| S 10 | 23 17 34 | 17°59'39 | 19°26 | 29°46 | 22°59 | 10°56 | 9°12 | 27°52 | 19°28 | 22°44 | 20°11 | 23°52 | 25° 0 | 23°31 | 13°10 | S 10 |
| S 11 | 23 21 30 | 18°57'32 | 1♒20 | 0♍40 | 24°13 | 11°34 | 9°18 | 27°51 | 19°29 | 22°42 | 20°11 | 23°47 | 24°57 | 23°38 | 13°10 | S 11 |
| M12 | 23 25 27 | 19°55'26 | 13°19 | 1°40 | 25°27 | 12°13 | 9°25 | 27°49 | 19°30 | 22°41 | 20°12 | 23°41 | 24°53 | 23°44 | 13°10 | M12 |
| T 13 | 23 29 23 | 20°53'21 | 25°25 | 2°48 | 26°41 | 12°52 | 9°31 | 27°47 | 19°30 | 22°40 | 20°12 | 23°35 | 24°50 | 23°51 | 13° 9 | T 13 |
| W14 | 23 33 20 | 21°51'17 | 7♓41 | 4° 1 | 27°56 | 13°30 | 9°38 | 27°45 | 19°31 | 22°38 | 20°13 | 23°30 | 24°47 | 23°58 | 13° 9 | W14 |
| T 15 | 23 37 16 | 22°49'15 | 20° 8 | 5°21 | 29°10 | 14° 9 | 9°45 | 27°44 | 19°32 | 22°37 | 20°13 | 23°25 | 24°44 | 24° 4 | 13° 9 | T 15 |
| F 16 | 23 41 13 | 23°47'14 | 2♈46 | 6°46 | 0♎24 | 14°47 | 9°52 | 27°42 | 19°33 | 22°35 | 20°14 | 23°22 | 24°41 | 24°11 | 13°D 9 | F 16 |
| S 17 | 23 45 9 | 24°45'15 | 15°36 | 8°16 | 1°39 | 15°25 | 9°59 | 27°41 | 19°34 | 22°34 | 20°14 | 23°21 | 24°37 | 24°18 | 13° 9 | S 17 |
| S 18 | 23 49 6 | 25°43'18 | 28°39 | 9°50 | 2°53 | 16° 4 | 10° 7 | 27°39 | 19°35 | 22°33 | 20°15 | 23°D21 | 24°34 | 24°25 | 13° 9 | S 18 |
| M19 | 23 53 2 | 26°41'23 | 11♉55 | 11°29 | 4° 7 | 16°42 | 10°14 | 27°38 | 19°36 | 22°32 | 20°15 | 23°22 | 24°31 | 24°31 | 13° 9 | M19 |
| T 20 | 23 56 59 | 27°39'29 | 25°23 | 13°11 | 5°22 | 17°20 | 10°22 | 27°37 | 19°37 | 22°30 | 20°16 | 23°23 | 24°28 | 24°38 | 13° 9 | T 20 |
| W21 | 0 0 56 | 28°37'37 | 9♊ 4 | 14°56 | 6°36 | 17°59 | 10°29 | 27°36 | 19°39 | 22°29 | 20°17 | 23°25 | 24°25 | 24°45 | 13°10 | W21 |
| T 22 | 0 4 52 | 29°35'47 | 22°58 | 16°44 | 7°50 | 18°37 | 10°37 | 27°35 | 19°40 | 22°28 | 20°17 | 23°26 | 24°22 | 24°52 | 13°10 | T 22 |
| F 23 | 0 8 49 | 0♎34'00 | 7♋ 5 | 18°33 | 9° 5 | 19°15 | 10°45 | 27°34 | 19°41 | 22°27 | 20°18 | 23°R26 | 24°18 | 24°58 | 13°11 | F 23 |
| S 24 | 0 12 45 | 1°32'14 | 21°22 | 20°25 | 10°19 | 19°53 | 10°53 | 27°33 | 19°43 | 22°25 | 20°19 | 23°25 | 24°15 | 25° 5 | 13°11 | S 24 |
| S 25 | 0 16 42 | 2°30'30 | 5♌48 | 22°17 | 11°33 | 20°31 | 11° 2 | 27°33 | 19°44 | 22°24 | 20°20 | 23°23 | 24°12 | 25°12 | 13°12 | S 25 |
| M26 | 0 20 38 | 3°28'49 | 20°18 | 24°10 | 12°48 | 21° 9 | 11°10 | 27°32 | 19°45 | 22°23 | 20°21 | 23°20 | 24° 9 | 25°18 | 13°13 | M26 |
| T 27 | 0 24 35 | 4°27'09 | 4♍46 | 26° 4 | 14° 2 | 21°46 | 11°19 | 27°31 | 19°47 | 22°22 | 20°22 | 23°18 | 24° 6 | 25°25 | 13°13 | T 27 |
| W28 | 0 28 31 | 5°25'31 | 19° 8 | 27°59 | 15°17 | 22°24 | 11°27 | 27°31 | 19°49 | 22°21 | 20°23 | 23°15 | 24° 3 | 25°32 | 13°14 | W28 |
| T 29 | 0 32 28 | 6°23'55 | 3♎18 | 29°53 | 16°31 | 23° 2 | 11°36 | 27°31 | 19°50 | 22°20 | 20°23 | 23°14 | 23°59 | 25°39 | 13°15 | T 29 |
| F 30 | 0 36 25 | 7♎22'20 | 17♎11 | 1♎47 | 17♎45 | 23♌40 | 11♐45 | 27♉31 | 19♐52 | 22♒19 | 20♐24 | 23°D13 | 23♈56 | 25♉45 | 13♉17 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 8n 2 | 4n19 | 2n30 | 9n17 | 3s14 | 8n22 | 1n24 | 19n47 | 0n55 | 20s56 | 0n40 | 20s24 | 0n 1 | 22s56 | 0s 3 | 13s49 | 0s 1 | 11s22 | 11n37 | 9n15 | 9n48 | 26s31 | 15s15 | 7n26 |
| F 2 | 7 40 | 2s20 | 1 20 | 9 38 | 2 57 | 7 55 | 1 24 | 19 38 | 0 55 | 20 57 | 0 39 | 20 24 | 0 1 | 22 56 | 0 3 | 13 49 | 0 1 | 11 22 | 11 37 | 9 14 | 9 47 | 26 30 | 15 16 | 7 25 |
| S 3 | 7 18 | 8 42 | 0 6 | 9 57 | 2 39 | 7 26 | 1 24 | 19 29 | 0 56 | 20 58 | 0 39 | 20 25 | 0 1 | 22 56 | 0 3 | 13 50 | 0 1 | 11 23 | 11 36 | 9 14 | 9 46 | 26 29 | 15 17 | 7 25 |
| S 4 | 6 57 | 14 28 | 1s 5 | 10 13 | 2 21 | 6 58 | 1 25 | 19 20 | 0 56 | 20 59 | 0 39 | 20 25 | 0 0 | 22 56 | 0 3 | 13 50 | 0 1 | 11 23 | 11 36 | 9 14 | 9 45 | 26 27 | 15 17 | 7 24 |
| M 5 | 6 35 | 19 27 | 2 11 | 10 28 | 2 3 | 6 30 | 1 25 | 19 10 | 0 57 | 21 0 | 0 39 | 20 26 | 0 0 | 22 56 | 0 3 | 13 51 | 0 1 | 11 24 | 11 35 | 9 14 | 9 43 | 26 26 | 15 18 | 7 24 |
| T 6 | 6 13 | 23 25 | 3 9 | 10 39 | 1 45 | 6 1 | 1 25 | 19 1 | 0 58 | 21 1 | 0 39 | 20 27 | 0 0 | 22 56 | 0 3 | 13 51 | 0 1 | 11 24 | 11 35 | 9 15 | 9 42 | 26 25 | 15 18 | 7 23 |
| W 7 | 5 50 | 26 14 | 3 57 | 10 48 | 1 27 | 5 32 | 1 25 | 18 51 | 0 58 | 21 2 | 0 38 | 20 27 | 0 0 | 22 56 | 0 3 | 13 52 | 0 1 | 11 25 | 11 34 | 9 15 | 9 41 | 26 24 | 15 19 | 7 23 |
| T 8 | 5 28 | 27 48 | 4 34 | 10 54 | 1 9 | 5 3 | 1 25 | 18 41 | 0 59 | 21 3 | 0 38 | 20 28 | 0 0 | 22 56 | 0 3 | 13 52 | 0 1 | 11 25 | 11 34 | 9 15 | 9 40 | 26 23 | 15 20 | 7 22 |
| F 9 | 5 6 | 28 4 | 4 58 | 10 57 | 0 52 | 4 34 | 1 25 | 18 31 | 0 59 | 21 4 | 0 38 | 20 28 | 0 0 | 22 56 | 0 3 | 13 53 | 0 1 | 11 26 | 11 33 | 9 14 | 9 39 | 26 22 | 15 20 | 7 22 |
| S 10 | 4 43 | 27 1 | 5 10 | 10 56 | 0 35 | 4 5 | 1 25 | 18 21 | 1 0 | 21 5 | 0 38 | 20 29 | 0s 0 | 22 56 | 0 3 | 13 53 | 0 1 | 11 26 | 11 33 | 9 13 | 9 38 | 26 21 | 15 21 | 7 21 |
| S 11 | 4 21 | 24 46 | 5 8 | 10 53 | 0 19 | 3 35 | 1 25 | 18 11 | 1 0 | 21 6 | 0 38 | 20 29 | 0 0 | 22 57 | 0 3 | 13 54 | 0 1 | 11 27 | 11 32 | 9 11 | 9 36 | 26 20 | 15 22 | 7 20 |
| M12 | 3 58 | 21 25 | 4 53 | 10 46 | 0 4 | 3 6 | 1 25 | 18 1 | 1 1 | 21 8 | 0 37 | 20 30 | 0 0 | 22 57 | 0 3 | 13 54 | 0 1 | 11 27 | 11 32 | 9 9 | 9 35 | 26 18 | 15 22 | 7 20 |
| T 13 | 3 36 | 17 8 | 4 24 | 10 35 | 0n10 | 2 36 | 1 25 | 17 51 | 1 2 | 21 9 | 0 37 | 20 30 | 0 0 | 22 57 | 0 3 | 13 55 | 0 1 | 11 28 | 11 31 | 9 7 | 9 34 | 26 17 | 15 23 | 7 19 |
| W14 | 3 13 | 12 6 | 3 44 | 10 21 | 0 24 | 2 6 | 1 24 | 17 40 | 1 2 | 21 10 | 0 37 | 20 30 | 0 0 | 22 57 | 0 3 | 13 55 | 0 1 | 11 28 | 11 31 | 9 5 | 9 33 | 26 16 | 15 23 | 7 19 |
| T 15 | 2 50 | 6 31 | 2 52 | 10 4 | 0 37 | 1 37 | 1 24 | 17 30 | 1 3 | 21 11 | 0 37 | 20 31 | 0 0 | 22 57 | 0 3 | 13 56 | 0 2 | 11 29 | 11 30 | 9 3 | 9 32 | 26 15 | 15 24 | 7 18 |
| F 16 | 2 27 | 0 36 | 1 50 | 9 44 | 0 48 | 1 7 | 1 23 | 17 19 | 1 3 | 21 12 | 0 37 | 20 31 | 0 1 | 22 57 | 0 3 | 13 56 | 0 2 | 11 29 | 11 30 | 9 2 | 9 31 | 26 14 | 15 25 | 7 18 |
| S 17 | 2 4 | 5n28 | 0 42 | 9 20 | 0 59 | 0 37 | 1 23 | 17 9 | 1 4 | 21 14 | 0 37 | 20 32 | 0 1 | 22 57 | 0 3 | 13 57 | 0 2 | 11 30 | 11 30 | 9 1 | 9 29 | 26 12 | 15 25 | 7 17 |
| S 18 | 1 42 | 11 24 | 0n29 | 8 54 | 1 8 | 0 7 | 1 22 | 16 58 | 1 4 | 21 15 | 0 36 | 20 32 | 0 1 | 22 57 | 0 3 | 13 57 | 0 2 | 11 30 | 11 29 | 9 1 | 9 28 | 26 11 | 15 26 | 7 16 |
| M19 | 1 19 | 16 55 | 1 40 | 8 24 | 1 17 | 0s23 | 1 21 | 16 47 | 1 5 | 21 16 | 0 36 | 20 32 | 0 1 | 22 57 | 0 3 | 13 57 | 0 2 | 11 31 | 11 29 | 9 2 | 9 27 | 26 10 | 15 26 | 7 16 |
| T 20 | 0 56 | 21 42 | 2 47 | 7 52 | 1 24 | 0 53 | 1 21 | 16 36 | 1 5 | 21 17 | 0 36 | 20 33 | 0 1 | 22 57 | 0 3 | 13 58 | 0 2 | 11 31 | 11 28 | 9 2 | 9 26 | 26 9 | 15 27 | 7 15 |
| W21 | 0 33 | 25 24 | 3 45 | 7 18 | 1 31 | 1 23 | 1 20 | 16 25 | 1 6 | 21 19 | 0 36 | 20 33 | 0 1 | 22 57 | 0 3 | 13 58 | 0 2 | 11 32 | 11 28 | 9 3 | 9 25 | 26 7 | 15 27 | 7 15 |
| T 22 | 0 10 | 27 38 | 4 31 | 6 41 | 1 36 | 1 53 | 1 19 | 16 13 | 1 7 | 21 20 | 0 36 | 20 33 | 0 1 | 22 57 | 0 3 | 13 59 | 0 2 | 11 32 | 11 27 | 9 3 | 9 24 | 26 6 | 15 28 | 7 14 |
| F 23 | 0s13 | 28 9 | 5 2 | 6 3 | 1 40 | 2 23 | 1 18 | 16 2 | 1 7 | 21 21 | 0 35 | 20 33 | 0 1 | 22 58 | 0 3 | 13 59 | 0 2 | 11 33 | 11 27 | 9 3 | 9 23 | 26 5 | 15 28 | 7 13 |
| S 24 | 0 36 | 26 48 | 5 14 | 5 22 | 1 44 | 2 53 | 1 17 | 15 51 | 1 8 | 21 23 | 0 35 | 20 34 | 0 1 | 22 58 | 0 3 | 13 59 | 0 2 | 11 33 | 11 26 | 9 3 | 9 21 | 26 4 | 15 29 | 7 13 |
| S 25 | 1 0 | 23 41 | 5 7 | 4 40 | 1 46 | 3 23 | 1 16 | 15 39 | 1 8 | 21 24 | 0 35 | 20 34 | 0 1 | 22 58 | 0 3 | 14 0 | 0 2 | 11 34 | 11 26 | 9 2 | 9 20 | 26 2 | 15 29 | 7 12 |
| M26 | 1 23 | 19 5 | 4 40 | 3 57 | 1 48 | 3 53 | 1 15 | 15 28 | 1 9 | 21 25 | 0 35 | 20 34 | 0 1 | 22 58 | 0 3 | 14 0 | 0 2 | 11 34 | 11 25 | 9 1 | 9 19 | 26 1 | 15 30 | 7 12 |
| T 27 | 1 46 | 13 22 | 3 56 | 3 13 | 1 48 | 4 22 | 1 14 | 15 16 | 1 9 | 21 27 | 0 35 | 20 34 | 0 1 | 22 58 | 0 3 | 14 1 | 0 2 | 11 35 | 11 25 | 9 0 | 9 18 | 26 0 | 15 30 | 7 11 |
| W28 | 2 9 | 7 0 | 2 57 | 2 27 | 1 48 | 4 52 | 1 13 | 15 5 | 1 10 | 21 28 | 0 35 | 20 34 | 0 2 | 22 58 | 0 3 | 14 1 | 0 2 | 11 35 | 11 24 | 8 59 | 9 17 | 25 59 | 15 31 | 7 11 |
| T 29 | 2 32 | 0 21 | 1 48 | 1 42 | 1 48 | 5 22 | 1 11 | 14 53 | 1 11 | 21 29 | 0 34 | 20 34 | 0 2 | 22 58 | 0 3 | 14 1 | 0 2 | 11 36 | 11 24 | 8 59 | 9 16 | 25 57 | 15 31 | 7 10 |
| F 30 | 2s55 | 6s12 | 0n33 | 0n55 | 1n46 | 5s51 | 1n10 | 14n41 | 1n11 | 21s31 | 0n34 | 20s35 | 0s 2 | 22s58 | 0s 3 | 14s 2 | 0s 2 | 11s36 | 11n24 | 8n58 | 9n14 | 25s56 | 15s32 | 7n 9 |

Julian Day Number = 2813743.5, Delta T = 53m58s
Ecliptic obliquity = 23°18'48, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°37'20, Lahiri = 37°44'21


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# ASTRODIENST EPHEMERIS for the year 2991
# geocentric

## OCTOBER 2991 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 40 21 | 8♎20'48 | 0♏44 | 3♎40 | 19♎ 0 | 24♌17 | 11♐54 | 27°D31 | 19♐54 | 22°R18 | 20♐25 | 23♈13 | 23♈53 | 25♉52 | 13♉18 | S 1 |
| S 2 | 0 44 18 | 9°19'17 | 13°56 | 5°34 | 20°14 | 24°55 | 12° 3 | 27♉31 | 19°55 | 22♒17 | 20°26 | 23°14 | 23°50 | 25°59 | 13°19 | S 2 |
| M 3 | 0 48 14 | 10°17'48 | 26°47 | 7°26 | 21°29 | 25°32 | 12°12 | 27°31 | 19°57 | 22°16 | 20°28 | 23°15 | 23°47 | 26° 6 | 13°21 | M 3 |
| T 4 | 0 52 11 | 11°16'20 | 9♐19 | 9°18 | 22°43 | 26°10 | 12°21 | 27°31 | 19°59 | 22°15 | 20°29 | 23°16 | 23°43 | 26°12 | 13°22 | T 4 |
| W 5 | 0 56 7 | 12°14'54 | 21°35 | 11° 9 | 23°58 | 26°47 | 12°31 | 27°31 | 20° 1 | 22°14 | 20°30 | 23°17 | 23°40 | 26°19 | 13°24 | W 5 |
| T 6 | 1 0 4 | 13°13'30 | 3♉39 | 12°59 | 25°12 | 27°24 | 12°40 | 27°32 | 20° 3 | 22°13 | 20°31 | 23°17 | 23°37 | 26°26 | 13°25 | T 6 |
| F 7 | 1 4 0 | 14°12'08 | 15°35 | 14°49 | 26°26 | 28° 2 | 12°50 | 27°32 | 20° 5 | 22°12 | 20°32 | 23°R18 | 23°34 | 26°32 | 13°27 | F 7 |
| S 8 | 1 7 57 | 15°10'47 | 27°29 | 16°37 | 27°41 | 28°39 | 12°59 | 27°33 | 20° 7 | 22°11 | 20°33 | 23°17 | 23°31 | 26°39 | 13°29 | S 8 |
| S 9 | 1 11 54 | 16° 9'27 | 9♒23 | 18°25 | 28°55 | 29°16 | 13° 9 | 27°33 | 20° 9 | 22°11 | 20°35 | 23°17 | 23°28 | 26°46 | 13°31 | S 9 |
| M10 | 1 15 50 | 17° 8'10 | 21°24 | 20°11 | 0♏10 | 29°53 | 13°19 | 27°34 | 20°11 | 22°10 | 20°36 | 23°16 | 23°24 | 26°53 | 13°33 | M10 |
| T 11 | 1 19 47 | 18° 6'54 | 3♓34 | 21°57 | 1°24 | 0♏30 | 13°29 | 27°35 | 20°13 | 22° 9 | 20°37 | 23°15 | 23°21 | 26°59 | 13°35 | T 11 |
| W12 | 1 23 43 | 19° 5'39 | 15°57 | 23°42 | 2°39 | 1° 7 | 13°39 | 27°36 | 20°15 | 22° 8 | 20°39 | 23°15 | 23°18 | 27° 6 | 13°37 | W12 |
| T 13 | 1 27 40 | 20° 4'27 | 28°36 | 25°26 | 3°53 | 1°44 | 13°49 | 27°37 | 20°18 | 22° 8 | 20°40 | 23°14 | 23°15 | 27°13 | 13°39 | T 13 |
| F 14 | 1 31 36 | 21° 3'16 | 11♈30 | 27° 8 | 5° 7 | 2°21 | 14° 0 | 27°38 | 20°20 | 22° 7 | 20°41 | 23°14 | 23°12 | 27°19 | 13°41 | F 14 |
| S 15 | 1 35 33 | 22° 2'07 | 24°41 | 28°50 | 6°22 | 2°57 | 14°10 | 27°40 | 20°22 | 22° 6 | 20°43 | 23°D14 | 23° 8 | 27°26 | 13°44 | S 15 |
| S 16 | 1 39 29 | 23° 1'01 | 8♉ 8 | 0♏31 | 7°36 | 3°34 | 14°21 | 27°41 | 20°24 | 22° 6 | 20°44 | 23°R14 | 23° 5 | 27°33 | 13°46 | S 16 |
| M17 | 1 43 26 | 23°59'56 | 21°50 | 2°12 | 8°51 | 4°11 | 14°31 | 27°43 | 20°27 | 22° 5 | 20°46 | 23°14 | 23° 2 | 27°40 | 13°49 | M17 |
| T 18 | 1 47 23 | 24°58'53 | 5♊43 | 3°51 | 10° 5 | 4°47 | 14°42 | 27°44 | 20°29 | 22° 5 | 20°47 | 23°14 | 22°59 | 27°46 | 13°51 | T 18 |
| W19 | 1 51 19 | 25°57'53 | 19°46 | 5°29 | 11°19 | 5°24 | 14°53 | 27°46 | 20°32 | 22° 4 | 20°49 | 23°14 | 22°56 | 27°53 | 13°54 | W19 |
| T 20 | 1 55 16 | 26°56'55 | 3♋54 | 7° 7 | 12°34 | 6° 0 | 15° 3 | 27°48 | 20°34 | 22° 4 | 20°50 | 23°13 | 22°53 | 28° 0 | 13°57 | T 20 |
| F 21 | 1 59 12 | 27°55'59 | 18° 7 | 8°44 | 13°48 | 6°36 | 15°14 | 27°49 | 20°37 | 22° 3 | 20°52 | 23°13 | 22°49 | 28° 7 | 14° 0 | F 21 |
| S 22 | 2 3 9 | 28°55'06 | 2♌20 | 10°20 | 15° 3 | 7°13 | 15°25 | 27°51 | 20°39 | 22° 3 | 20°53 | 23°D13 | 22°46 | 28°13 | 14° 2 | S 22 |
| S 23 | 2 7 5 | 29°54'15 | 16°32 | 11°55 | 16°17 | 7°49 | 15°36 | 27°53 | 20°42 | 22° 3 | 20°55 | 23°13 | 22°43 | 28°20 | 14° 5 | S 23 |
| M24 | 2 11 2 | 0♏53'26 | 0♍39 | 13°29 | 17°32 | 8°25 | 15°48 | 27°56 | 20°45 | 22° 2 | 20°57 | 23°14 | 22°40 | 28°27 | 14° 8 | M24 |
| T 25 | 2 14 58 | 1°52'39 | 14°41 | 15° 3 | 18°46 | 9° 1 | 15°59 | 27°58 | 20°48 | 22° 2 | 20°58 | 23°15 | 22°37 | 28°33 | 14°12 | T 25 |
| W26 | 2 18 55 | 2°51'55 | 28°34 | 16°36 | 20° 1 | 9°37 | 16°10 | 28° 0 | 20°50 | 22° 2 | 21° 0 | 23°15 | 22°34 | 28°40 | 14°15 | W26 |
| T 27 | 2 22 52 | 3°51'12 | 12♎17 | 18° 8 | 21°15 | 10°13 | 16°22 | 28° 3 | 20°53 | 22° 1 | 21° 2 | 23°16 | 22°30 | 28°47 | 14°18 | T 27 |
| F 28 | 2 26 48 | 4°50'32 | 25°46 | 19°40 | 22°29 | 10°49 | 16°33 | 28° 5 | 20°56 | 22° 1 | 21° 4 | 23°R16 | 22°27 | 28°54 | 14°21 | F 28 |
| S 29 | 2 30 45 | 5°49'54 | 9♏ 2 | 21°11 | 23°44 | 11°25 | 16°45 | 28° 8 | 20°59 | 22° 1 | 21° 5 | 23°16 | 22°24 | 29° 0 | 14°25 | S 29 |
| S 30 | 2 34 41 | 6°49'18 | 22° 1 | 22°41 | 24°58 | 12° 1 | 16°56 | 28°11 | 21° 2 | 22° 1 | 21° 7 | 23°14 | 22°21 | 29° 7 | 14°28 | S 30 |
| M31 | 2 38 38 | 7♏48'43 | 4♐45 | 24♏10 | 26♏13 | 12♍36 | 17♐ 8 | 28♉13 | 21♐ 4 | 22♒ 1 | 21♐ 9 | 23♈13 | 22♈18 | 29♉14 | 14♉32 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3s18 | 12s19 | 0s41 | 0n 8 | 1n44 | 6s21 | 1n 9 | 14n29 | 1n12 | 21s32 | 0n34 | 20s35 | 0s 2 | 22s59 | 0s 3 | 14s 2 | 0s 2 | 11s37 | 11n23 | 8n58 | 9n13 | 25s55 | 15s32 | 7n 9 |
| S 2 | 3 41 | 17 43 | 1 52 | 0s39 | 1 41 | 6 50 | 1 7 | 14 17 | 1 12 | 21 33 | 0 34 | 20 35 | 0 2 | 22 59 | 0 3 | 14 2 | 0 2 | 11 37 | 11 23 | 8 59 | 9 12 | 25 53 | 15 33 | 7 8 |
| M 3 | 4 3 | 22 10 | 2 55 | 1 26 | 1 38 | 7 19 | 1 6 | 14 5 | 1 13 | 21 35 | 0 34 | 20 35 | 0 2 | 22 59 | 0 3 | 14 3 | 0 2 | 11 38 | 11 22 | 8 59 | 9 11 | 25 52 | 15 33 | 7 8 |
| T 4 | 4 26 | 25 29 | 3 48 | 2 13 | 1 35 | 7 48 | 1 4 | 13 53 | 1 13 | 21 36 | 0 34 | 20 35 | 0 2 | 22 59 | 0 3 | 14 3 | 0 2 | 11 38 | 11 22 | 9 0 | 9 10 | 25 51 | 15 34 | 7 7 |
| W 5 | 4 49 | 27 32 | 4 29 | 3 0 | 1 31 | 8 17 | 1 3 | 13 41 | 1 14 | 21 37 | 0 33 | 20 35 | 0 2 | 22 59 | 0 3 | 14 3 | 0 2 | 11 39 | 11 21 | 9 0 | 9 9 | 25 49 | 15 34 | 7 6 |
| T 6 | 5 12 | 28 14 | 4 58 | 3 47 | 1 26 | 8 45 | 1 1 | 13 28 | 1 14 | 21 39 | 0 33 | 20 35 | 0 2 | 22 59 | 0 3 | 14 4 | 0 2 | 11 39 | 11 21 | 9 0 | 9 7 | 25 48 | 15 35 | 7 6 |
| F 7 | 5 34 | 27 36 | 5 14 | 4 33 | 1 21 | 9 14 | 0 59 | 13 16 | 1 15 | 21 40 | 0 33 | 20 35 | 0 2 | 22 59 | 0 3 | 14 4 | 0 2 | 11 40 | 11 20 | 9 0 | 9 6 | 25 47 | 15 35 | 7 5 |
| S 8 | 5 57 | 25 43 | 5 16 | 5 19 | 1 16 | 9 42 | 0 57 | 13 4 | 1 15 | 21 42 | 0 33 | 20 35 | 0 2 | 23 0 | 0 3 | 14 4 | 0 2 | 11 40 | 11 20 | 9 0 | 9 5 | 25 45 | 15 35 | 7 5 |
| S 9 | 6 19 | 22 42 | 5 4 | 6 5 | 1 11 | 10 10 | 0 56 | 12 51 | 1 16 | 21 43 | 0 33 | 20 35 | 0 2 | 23 0 | 0 3 | 14 4 | 0 2 | 11 41 | 11 20 | 9 0 | 9 4 | 25 44 | 15 36 | 7 4 |
| M10 | 6 42 | 18 42 | 4 39 | 6 51 | 1 5 | 10 38 | 0 54 | 12 39 | 1 17 | 21 44 | 0 33 | 20 35 | 0 2 | 23 0 | 0 3 | 14 5 | 0 2 | 11 41 | 11 19 | 9 0 | 9 3 | 25 43 | 15 36 | 7 4 |
| T 11 | 7 4 | 13 54 | 4 2 | 7 35 | 0 59 | 11 5 | 0 52 | 12 26 | 1 17 | 21 46 | 0 32 | 20 35 | 0 3 | 23 0 | 0 3 | 14 5 | 0 2 | 11 42 | 11 19 | 8 59 | 9 2 | 25 41 | 15 37 | 7 3 |
| W12 | 7 26 | 8 28 | 3 12 | 8 20 | 0 53 | 11 33 | 0 50 | 12 14 | 1 18 | 21 47 | 0 32 | 20 34 | 0 3 | 23 0 | 0 3 | 14 5 | 0 2 | 11 42 | 11 18 | 8 59 | 9 0 | 25 40 | 15 37 | 7 2 |
| T 13 | 7 48 | 2 35 | 2 12 | 9 3 | 0 47 | 12 0 | 0 48 | 12 1 | 1 18 | 21 48 | 0 32 | 20 34 | 0 3 | 23 0 | 0 3 | 14 5 | 0 2 | 11 43 | 11 18 | 8 59 | 8 59 | 25 38 | 15 37 | 7 2 |
| F 14 | 8 10 | 3n32 | 1 5 | 9 46 | 0 41 | 12 26 | 0 46 | 11 49 | 1 19 | 21 50 | 0 32 | 20 34 | 0 3 | 23 1 | 0 3 | 14 6 | 0 2 | 11 43 | 11 18 | 8 59 | 8 58 | 25 37 | 15 38 | 7 1 |
| S 15 | 8 32 | 9 38 | 0n 8 | 10 29 | 0 34 | 12 53 | 0 44 | 11 36 | 1 19 | 21 51 | 0 32 | 20 34 | 0 3 | 23 1 | 0 3 | 14 6 | 0 2 | 11 44 | 11 17 | 8 59 | 8 57 | 25 36 | 15 38 | 7 1 |
| S 16 | 8 54 | 15 26 | 1 22 | 11 10 | 0 27 | 13 19 | 0 42 | 11 23 | 1 20 | 21 52 | 0 32 | 20 34 | 0 3 | 23 1 | 0 3 | 14 6 | 0 2 | 11 44 | 11 17 | 8 59 | 8 56 | 25 34 | 15 38 | 7 0 |
| M17 | 9 16 | 20 34 | 2 32 | 11 51 | 0 20 | 13 45 | 0 39 | 11 11 | 1 20 | 21 54 | 0 32 | 20 33 | 0 3 | 23 1 | 0 3 | 14 6 | 0 2 | 11 45 | 11 16 | 8 59 | 8 55 | 25 33 | 15 39 | 7 0 |
| T 18 | 9 37 | 24 40 | 3 34 | 12 31 | 0 13 | 14 10 | 0 37 | 10 58 | 1 21 | 21 55 | 0 31 | 20 33 | 0 3 | 23 1 | 0 3 | 14 6 | 0 2 | 11 45 | 11 16 | 8 59 | 8 53 | 25 31 | 15 39 | 6 59 |
| W19 | 9 59 | 27 19 | 4 24 | 13 11 | 0 7 | 14 36 | 0 35 | 10 45 | 1 22 | 21 57 | 0 31 | 20 33 | 0 3 | 23 2 | 0 3 | 14 6 | 0 2 | 11 46 | 11 16 | 8 59 | 8 52 | 25 30 | 15 39 | 6 58 |
| T 20 | 10 20 | 28 14 | 4 59 | 13 49 | 0s 0 | 15 0 | 0 33 | 10 32 | 1 22 | 21 58 | 0 31 | 20 33 | 0 3 | 23 2 | 0 3 | 14 7 | 0 2 | 11 46 | 11 15 | 8 59 | 8 51 | 25 28 | 15 39 | 6 58 |
| F 21 | 10 41 | 27 18 | 5 15 | 14 27 | 0 8 | 15 25 | 0 30 | 10 19 | 1 23 | 21 59 | 0 31 | 20 32 | 0 3 | 23 2 | 0 3 | 14 7 | 0 2 | 11 47 | 11 15 | 8 59 | 8 50 | 25 27 | 15 40 | 6 57 |
| S 22 | 11 2 | 24 37 | 5 13 | 15 4 | 0 15 | 15 49 | 0 28 | 10 6 | 1 23 | 22 1 | 0 31 | 20 32 | 0 3 | 23 2 | 0 3 | 14 7 | 0 2 | 11 47 | 11 14 | 8 59 | 8 49 | 25 25 | 15 40 | 6 57 |
| S 23 | 11 23 | 20 25 | 4 51 | 15 40 | 0 22 | 16 13 | 0 26 | 9 53 | 1 24 | 22 2 | 0 31 | 20 32 | 0 3 | 23 2 | 0 3 | 14 7 | 0 2 | 11 48 | 11 14 | 8 59 | 8 47 | 25 24 | 15 40 | 6 56 |
| M24 | 11 43 | 15 6 | 4 12 | 16 16 | 0 29 | 16 36 | 0 23 | 9 40 | 1 24 | 22 3 | 0 31 | 20 31 | 0 3 | 23 2 | 0 3 | 14 7 | 0 2 | 11 48 | 11 14 | 8 59 | 8 46 | 25 22 | 15 40 | 6 56 |
| T 25 | 12 4 | 9 2 | 3 18 | 16 50 | 0 36 | 16 59 | 0 21 | 9 27 | 1 25 | 22 4 | 0 30 | 20 31 | 0 4 | 23 3 | 0 3 | 14 7 | 0 2 | 11 49 | 11 13 | 8 59 | 8 45 | 25 21 | 15 41 | 6 55 |
| W26 | 12 24 | 2 36 | 2 12 | 17 24 | 0 43 | 17 21 | 0 19 | 9 14 | 1 25 | 22 6 | 0 30 | 20 31 | 0 4 | 23 3 | 0 3 | 14 7 | 0 2 | 11 49 | 11 13 | 8 59 | 8 44 | 25 20 | 15 41 | 6 55 |
| T 27 | 12 44 | 3s54 | 1 0 | 17 56 | 0 50 | 17 43 | 0 16 | 9 1 | 1 26 | 22 7 | 0 30 | 20 30 | 0 4 | 23 3 | 0 3 | 14 7 | 0 2 | 11 50 | 11 13 | 9 0 | 8 43 | 25 18 | 15 41 | 6 54 |
| F 28 | 13 4 | 10 7 | 0s14 | 18 28 | 0 57 | 18 5 | 0 14 | 8 48 | 1 26 | 22 8 | 0 30 | 20 30 | 0 4 | 23 3 | 0 3 | 14 8 | 0 2 | 11 50 | 11 12 | 9 0 | 8 42 | 25 16 | 15 41 | 6 54 |
| S 29 | 13 24 | 15 47 | 1 26 | 18 59 | 1 3 | 18 26 | 0 11 | 8 35 | 1 27 | 22 10 | 0 30 | 20 29 | 0 4 | 23 3 | 0 3 | 14 8 | 0 2 | 11 50 | 11 12 | 8 59 | 8 40 | 25 15 | 15 41 | 6 53 |
| S 30 | 13 43 | 20 38 | 2 32 | 19 29 | 1 10 | 18 46 | 0 9 | 8 22 | 1 28 | 22 11 | 0 30 | 20 29 | 0 4 | 23 4 | 0 3 | 14 8 | 0 2 | 11 51 | 11 12 | 8 59 | 8 39 | 25 13 | 15 41 | 6 53 |
| M31 | 14s 3 | 24s24 | 3s29 | 19s57 | 1s17 | 19s 6 | 0n 6 | 8n 9 | 1n28 | 22s12 | 0n30 | 20s28 | 0s 4 | 23s 4 | 0s 3 | 14s 8 | 0s 2 | 11s51 | 11n11 | 8n58 | 8n38 | 25s12 | 15s42 | 6n52 |

Julian Day Number = 2813773.5, Delta T = 53m58s
Ecliptic obliquity = 23°18'48, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°37'25, Lahiri = 37°44'25


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# ASTRODIENST EPHEMERIS for the year 2991
# geocentric

## NOVEMBER 2991 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 42 34 | 8♏48'11 | 17♐13 | 25♏39 | 27♏27 | 13♍12 | 17♐20 | 28♑16 | 21♐ 7 | 22°R 1 | 21♐11 | 23°R10 | 22♈14 | 29♑20 | 14♑36 | T 1 |
| W 2 | 2 46 31 | 9°47'41 | 29°28 | 27° 7 | 28°42 | 13°47 | 17°32 | 28°19 | 21°10 | 22♒ 1 | 21°13 | 23♈ 8 | 22°11 | 29°27 | 14°39 | W 2 |
| T 3 | 2 50 27 | 10°47'12 | 11♑31 | 28°34 | 29°56 | 14°23 | 17°43 | 28°22 | 21°13 | 22°D 1 | 21°15 | 23° 6 | 22° 8 | 29°34 | 14°43 | T 3 |
| F 4 | 2 54 24 | 11°46'45 | 23°27 | 0♐ 1 | 1♐11 | 14°58 | 17°55 | 28°25 | 21°16 | 22° 1 | 21°16 | 23° 4 | 22° 5 | 29°41 | 14°47 | F 4 |
| S 5 | 2 58 21 | 12°46'20 | 5♒20 | 1°27 | 2°25 | 15°33 | 18° 7 | 28°29 | 21°20 | 22° 1 | 21°18 | 23° 3 | 22° 2 | 29°47 | 14°51 | S 5 |
| S 6 | 3 2 17 | 13°45'56 | 17°14 | 2°52 | 3°39 | 16° 8 | 18°20 | 28°32 | 21°23 | 22° 1 | 21°20 | 23°D 2 | 21°59 | 29°54 | 14°55 | S 6 |
| M 7 | 3 6 14 | 14°45'34 | 29°13 | 4°16 | 4°54 | 16°43 | 18°32 | 28°35 | 21°26 | 22° 1 | 21°22 | 23° 3 | 21°55 | 0♒ 1 | 14°59 | M 7 |
| T 8 | 3 10 10 | 15°45'14 | 11♓23 | 5°39 | 6° 8 | 17°18 | 18°44 | 28°39 | 21°29 | 22° 1 | 21°24 | 23° 5 | 21°52 | 0° 8 | 15° 3 | T 8 |
| W 9 | 3 14 7 | 16°44'55 | 23°48 | 7° 2 | 7°23 | 17°53 | 18°56 | 28°43 | 21°32 | 22° 1 | 21°26 | 23° 6 | 21°49 | 0°14 | 15° 7 | W 9 |
| T 10 | 3 18 3 | 17°44'38 | 6♈31 | 8°23 | 8°37 | 18°28 | 19° 9 | 28°46 | 21°35 | 22° 1 | 21°28 | 23° 8 | 21°46 | 0°21 | 15°11 | T 10 |
| F 11 | 3 22 0 | 18°44'23 | 19°36 | 9°44 | 9°51 | 19° 3 | 19°21 | 28°50 | 21°39 | 22° 2 | 21°30 | 23°R 9 | 21°43 | 0°28 | 15°16 | F 11 |
| S 12 | 3 25 56 | 19°44'10 | 3♉ 3 | 11° 3 | 11° 6 | 19°38 | 19°33 | 28°54 | 21°42 | 22° 2 | 21°32 | 23° 8 | 21°40 | 0°34 | 15°20 | S 12 |
| S 13 | 3 29 53 | 20°43'59 | 16°52 | 12°21 | 12°20 | 20°12 | 19°46 | 28°58 | 21°45 | 22° 2 | 21°34 | 23° 7 | 21°36 | 0°41 | 15°25 | S 13 |
| M14 | 3 33 50 | 21°43'49 | 1♊ 1 | 13°38 | 13°35 | 20°47 | 19°58 | 29° 2 | 21°48 | 22° 3 | 21°37 | 23° 4 | 21°33 | 0°48 | 15°29 | M14 |
| T 15 | 3 37 46 | 22°43'41 | 15°23 | 14°54 | 14°49 | 21°21 | 20°11 | 29° 6 | 21°52 | 22° 3 | 21°39 | 22°59 | 21°30 | 0°55 | 15°34 | T 15 |
| W16 | 3 41 43 | 23°43'36 | 29°55 | 16° 8 | 16° 3 | 21°56 | 20°24 | 29°10 | 21°55 | 22° 4 | 21°41 | 22°55 | 21°27 | 1° 1 | 15°38 | W16 |
| T 17 | 3 45 39 | 24°43'33 | 14♋28 | 17°21 | 17°18 | 22°30 | 20°36 | 29°14 | 21°59 | 22° 4 | 21°43 | 22°50 | 21°24 | 1° 8 | 15°43 | T 17 |
| F 18 | 3 49 36 | 25°43'31 | 28°58 | 18°31 | 18°32 | 23° 4 | 20°49 | 29°19 | 22° 2 | 22° 4 | 21°45 | 22°47 | 21°20 | 1°15 | 15°47 | F 18 |
| S 19 | 3 53 32 | 26°43'32 | 13♌20 | 19°40 | 19°46 | 23°38 | 21° 2 | 29°23 | 22° 5 | 22° 5 | 21°47 | 22°45 | 21°17 | 1°21 | 15°52 | S 19 |
| S 20 | 3 57 29 | 27°43'35 | 27°30 | 20°47 | 21° 1 | 24°12 | 21°15 | 29°27 | 22° 9 | 22° 6 | 21°49 | 22°D44 | 21°14 | 1°28 | 15°57 | S 20 |
| M21 | 4 1 25 | 28°43'39 | 11♍26 | 21°50 | 22°15 | 24°46 | 21°27 | 29°32 | 22°12 | 22° 6 | 21°52 | 22°44 | 21°11 | 1°35 | 16° 2 | M21 |
| T 22 | 4 5 22 | 29°43'46 | 25° 9 | 22°52 | 23°30 | 25°20 | 21°40 | 29°37 | 22°16 | 22° 7 | 21°54 | 22°46 | 21° 8 | 1°42 | 16° 7 | T 22 |
| W23 | 4 9 19 | 0♐43'55 | 8♎39 | 23°50 | 24°44 | 25°53 | 21°53 | 29°41 | 22°19 | 22° 7 | 21°56 | 22°47 | 21° 5 | 1°48 | 16°12 | W23 |
| T 24 | 4 13 15 | 1°44'06 | 21°56 | 24°44 | 25°58 | 26°27 | 22° 6 | 29°46 | 22°23 | 22° 8 | 21°58 | 22°R48 | 21° 1 | 1°55 | 16°17 | T 24 |
| F 25 | 4 17 12 | 2°44'19 | 5♏ 1 | 25°35 | 27°13 | 27° 0 | 22°19 | 29°51 | 22°26 | 22° 9 | 22° 0 | 22°47 | 20°58 | 2° 2 | 16°22 | F 25 |
| S 26 | 4 21 8 | 3°44'34 | 17°54 | 26°21 | 28°27 | 27°34 | 22°32 | 29°56 | 22°30 | 22°10 | 22° 3 | 22°45 | 20°55 | 2° 9 | 16°27 | S 26 |
| S 27 | 4 25 5 | 4°44'50 | 0♐35 | 27° 2 | 29°41 | 28° 7 | 22°45 | 0♒ 1 | 22°33 | 22°10 | 22° 5 | 22°40 | 20°52 | 2°15 | 16°32 | S 27 |
| M28 | 4 29 1 | 5°45'09 | 13° 6 | 27°38 | 0♑56 | 28°40 | 22°58 | 0° 6 | 22°37 | 22°11 | 22° 7 | 22°33 | 20°49 | 2°22 | 16°37 | M28 |
| T 29 | 4 32 58 | 6°45'29 | 25°25 | 28° 7 | 2°10 | 29°13 | 23°12 | 0°11 | 22°41 | 22°12 | 22° 9 | 22°25 | 20°46 | 2°29 | 16°43 | T 29 |
| W30 | 4 36 54 | 7♐45'51 | 7♑35 | 28♐30 | 3♑24 | 29♍46 | 23♐25 | 0♒16 | 22♐44 | 22♒13 | 22♐12 | 22♈16 | 20♈42 | 2♒35 | 16♑48 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s22 | 26s56 | 4s15 | 20s25 | 1s23 | 19s26 | 0n 3 | 7n56 | 1n29 | 22s13 | 0n30 | 20s28 | 0s 4 | 23s 4 | 0s 3 | 14s 8 | 0s 2 | 11s52 | 11n11 | 8n58 | 8n37 | 25s10 | 15s42 | 6n52 |
| W 2 | 14 40 | 28 7 | 4 49 | 20 52 | 1 30 | 19 45 | 0 1 | 7 43 | 1 29 | 22 15 | 0 29 | 20 27 | 0 4 | 23 4 | 0 3 | 14 8 | 0 2 | 11 52 | 11 11 | 8 57 | 8 36 | 25 9 | 15 42 | 6 51 |
| T 3 | 14 59 | 27 56 | 5 9 | 21 18 | 1 36 | 20 3 | 0s 2 | 7 30 | 1 30 | 22 16 | 0 29 | 20 27 | 0 4 | 23 4 | 0 3 | 14 8 | 0 2 | 11 53 | 11 10 | 8 56 | 8 35 | 25 7 | 15 42 | 6 51 |
| F 4 | 15 17 | 26 27 | 5 15 | 21 43 | 1 42 | 20 21 | 0 4 | 7 17 | 1 30 | 22 17 | 0 29 | 20 26 | 0 4 | 23 5 | 0 3 | 14 8 | 0 2 | 11 53 | 11 10 | 8 55 | 8 33 | 25 6 | 15 42 | 6 50 |
| S 5 | 15 35 | 23 48 | 5 8 | 22 6 | 1 48 | 20 39 | 0 7 | 7 4 | 1 31 | 22 18 | 0 29 | 20 26 | 0 4 | 23 5 | 0 3 | 14 8 | 0 2 | 11 54 | 11 10 | 8 55 | 8 32 | 25 4 | 15 42 | 6 50 |
| S 6 | 15 53 | 20 9 | 4 47 | 22 29 | 1 54 | 20 56 | 0 10 | 6 51 | 1 31 | 22 19 | 0 29 | 20 25 | 0 4 | 23 5 | 0 3 | 14 8 | 0 2 | 11 54 | 11 9 | 8 55 | 8 31 | 25 3 | 15 42 | 6 49 |
| M 7 | 16 11 | 15 40 | 4 14 | 22 51 | 2 0 | 21 12 | 0 12 | 6 38 | 1 32 | 22 21 | 0 29 | 20 24 | 0 4 | 23 5 | 0 3 | 14 8 | 0 2 | 11 54 | 11 9 | 8 55 | 8 30 | 25 1 | 15 42 | 6 49 |
| T 8 | 16 28 | 10 30 | 3 30 | 23 11 | 2 5 | 21 28 | 0 15 | 6 25 | 1 33 | 22 22 | 0 29 | 20 24 | 0 5 | 23 6 | 0 3 | 14 8 | 0 2 | 11 55 | 11 9 | 8 55 | 8 29 | 24 59 | 15 42 | 6 48 |
| W 9 | 16 45 | 4 49 | 2 34 | 23 30 | 2 10 | 21 43 | 0 17 | 6 11 | 1 33 | 22 23 | 0 29 | 20 23 | 0 5 | 23 6 | 0 3 | 14 8 | 0 2 | 11 55 | 11 8 | 8 56 | 8 27 | 24 58 | 15 42 | 6 48 |
| T 10 | 17 2 | 1n12 | 1 30 | 23 49 | 2 15 | 21 57 | 0 20 | 5 58 | 1 34 | 22 24 | 0 28 | 20 22 | 0 5 | 23 6 | 0 3 | 14 8 | 0 2 | 11 56 | 11 8 | 8 57 | 8 26 | 24 56 | 15 42 | 6 48 |
| F 11 | 17 18 | 7 20 | 0 19 | 24 6 | 2 20 | 22 11 | 0 23 | 5 45 | 1 34 | 22 25 | 0 28 | 20 22 | 0 5 | 23 6 | 0 3 | 14 8 | 0 2 | 11 56 | 11 8 | 8 57 | 8 25 | 24 55 | 15 42 | 6 47 |
| S 12 | 17 35 | 13 19 | 0n54 | 24 22 | 2 24 | 22 24 | 0 25 | 5 32 | 1 35 | 22 26 | 0 28 | 20 21 | 0 5 | 23 6 | 0 3 | 14 7 | 0 2 | 11 56 | 11 8 | 8 57 | 8 24 | 24 53 | 15 42 | 6 47 |
| S 13 | 17 51 | 18 48 | 2 6 | 24 36 | 2 28 | 22 37 | 0 28 | 5 19 | 1 35 | 22 27 | 0 28 | 20 20 | 0 5 | 23 7 | 0 3 | 14 7 | 0 2 | 11 57 | 11 7 | 8 56 | 8 23 | 24 51 | 15 42 | 6 46 |
| M14 | 18 6 | 23 23 | 3 12 | 24 50 | 2 32 | 22 49 | 0 30 | 5 6 | 1 36 | 22 28 | 0 28 | 20 20 | 0 5 | 23 7 | 0 3 | 14 7 | 0 2 | 11 57 | 11 7 | 8 55 | 8 22 | 24 50 | 15 42 | 6 46 |
| T 15 | 18 21 | 26 37 | 4 7 | 25 2 | 2 35 | 23 0 | 0 33 | 4 53 | 1 36 | 22 29 | 0 28 | 20 19 | 0 5 | 23 7 | 0 3 | 14 7 | 0 2 | 11 58 | 11 7 | 8 54 | 8 20 | 24 48 | 15 42 | 6 45 |
| W16 | 18 36 | 28 6 | 4 47 | 25 13 | 2 38 | 23 11 | 0 36 | 4 40 | 1 37 | 22 30 | 0 28 | 20 18 | 0 5 | 23 7 | 0 3 | 14 7 | 0 2 | 11 58 | 11 6 | 8 52 | 8 19 | 24 46 | 15 42 | 6 45 |
| T 17 | 18 51 | 27 38 | 5 8 | 25 23 | 2 41 | 23 21 | 0 38 | 4 27 | 1 38 | 22 31 | 0 28 | 20 17 | 0 5 | 23 7 | 0 3 | 14 7 | 0 2 | 11 58 | 11 6 | 8 50 | 8 18 | 24 45 | 15 42 | 6 45 |
| F 18 | 19 5 | 25 18 | 5 10 | 25 32 | 2 43 | 23 30 | 0 41 | 4 14 | 1 38 | 22 32 | 0 28 | 20 16 | 0 5 | 23 8 | 0 3 | 14 7 | 0 2 | 11 59 | 11 6 | 8 49 | 8 17 | 24 43 | 15 41 | 6 44 |
| S 19 | 19 19 | 21 23 | 4 52 | 25 39 | 2 45 | 23 38 | 0 43 | 4 2 | 1 39 | 22 33 | 0 27 | 20 15 | 0 5 | 23 8 | 0 3 | 14 7 | 0 2 | 11 59 | 11 6 | 8 48 | 8 16 | 24 41 | 15 41 | 6 44 |
| S 20 | 19 33 | 16 17 | 4 16 | 25 45 | 2 46 | 23 46 | 0 46 | 3 49 | 1 39 | 22 34 | 0 27 | 20 15 | 0 5 | 23 8 | 0 3 | 14 6 | 0 2 | 11 59 | 11 6 | 8 48 | 8 14 | 24 40 | 15 41 | 6 44 |
| M21 | 19 46 | 10 25 | 3 26 | 25 50 | 2 46 | 23 54 | 0 48 | 3 36 | 1 40 | 22 35 | 0 27 | 20 14 | 0 5 | 23 8 | 0 3 | 14 6 | 0 2 | 12 0 | 11 5 | 8 48 | 8 13 | 24 38 | 15 41 | 6 43 |
| T 22 | 19 59 | 4 8 | 2 25 | 25 53 | 2 46 | 24 0 | 0 51 | 3 23 | 1 40 | 22 36 | 0 27 | 20 13 | 0 5 | 23 8 | 0 3 | 14 6 | 0 2 | 12 0 | 11 5 | 8 48 | 8 12 | 24 36 | 15 41 | 6 43 |
| W23 | 20 12 | 2s15 | 1 16 | 25 56 | 2 46 | 24 6 | 0 53 | 3 10 | 1 41 | 22 37 | 0 27 | 20 12 | 0 6 | 23 9 | 0 3 | 14 6 | 0 2 | 12 0 | 11 5 | 8 49 | 8 11 | 24 35 | 15 41 | 6 42 |
| T 24 | 20 24 | 8 26 | 0 5 | 25 56 | 2 44 | 24 11 | 0 56 | 2 57 | 1 41 | 22 38 | 0 27 | 20 11 | 0 6 | 23 9 | 0 3 | 14 6 | 0 2 | 12 1 | 11 5 | 8 49 | 8 10 | 24 33 | 15 40 | 6 42 |
| F 25 | 20 36 | 14 9 | 1s 6 | 25 56 | 2 42 | 24 15 | 0 58 | 2 45 | 1 42 | 22 39 | 0 27 | 20 10 | 0 6 | 23 9 | 0 3 | 14 5 | 0 2 | 12 1 | 11 4 | 8 49 | 8 9 | 24 31 | 15 40 | 6 42 |
| S 26 | 20 47 | 19 11 | 2 12 | 25 54 | 2 39 | 24 19 | 1 0 | 2 32 | 1 43 | 22 40 | 0 27 | 20 9 | 0 6 | 23 9 | 0 3 | 14 5 | 0 2 | 12 1 | 11 4 | 8 48 | 8 7 | 24 30 | 15 40 | 6 41 |
| S 27 | 20 58 | 23 16 | 3 10 | 25 51 | 2 34 | 24 22 | 1 3 | 2 19 | 1 43 | 22 40 | 0 27 | 20 8 | 0 6 | 23 10 | 0 3 | 14 5 | 0 2 | 12 2 | 11 4 | 8 46 | 8 6 | 24 28 | 15 40 | 6 41 |
| M28 | 21 9 | 26 11 | 3 58 | 25 47 | 2 29 | 24 24 | 1 5 | 2 7 | 1 44 | 22 41 | 0 26 | 20 7 | 0 6 | 23 10 | 0 3 | 14 5 | 0 2 | 12 2 | 11 4 | 8 44 | 8 5 | 24 26 | 15 39 | 6 41 |
| T 29 | 21 19 | 27 48 | 4 34 | 25 41 | 2 23 | 24 25 | 1 7 | 1 54 | 1 44 | 22 42 | 0 26 | 20 6 | 0 6 | 23 10 | 0 3 | 14 4 | 0 2 | 12 2 | 11 4 | 8 41 | 8 4 | 24 24 | 15 39 | 6 40 |
| W30 | 21s29 | 28s 3 | 4s57 | 25s34 | 2s15 | 24s26 | 1s10 | 1n42 | 1n45 | 22s43 | 0n26 | 20s 5 | 0s 6 | 23s10 | 0s 3 | 14s 4 | 0s 2 | 12s 3 | 11n 3 | 8n37 | 8n 3 | 24s23 | 15s39 | 6n40 |

Julian Day Number = 2813804.5, Delta T = 53m59s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°37'29, Lahiri = 37°44'29


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# ASTRODIENST EPHEMERIS for the year 2991
# geocentric

## DECEMBER 2991 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 40 51 | 8♐46'14 | 19♑35 | 28♐44 | 4♑39 | 0♎19 | 23♐38 | 0♒21 | 22♐48 | 22♒14 | 22♐14 | 22°R 7 | 20♈39 | 2♒42 | 16♑53 | T 1 |
| F 2 | 4 44 48 | 9°46'38 | 1♒30 | 28°R51 | 5°53 | 0°52 | 23°51 | 0°27 | 22°51 | 22°15 | 22°16 | 21♈59 | 20°36 | 2°49 | 16°59 | F 2 |
| S 3 | 4 48 44 | 10°47'04 | 13°20 | 28°49 | 7° 7 | 1°24 | 24° 4 | 0°32 | 22°55 | 22°16 | 22°19 | 21°53 | 20°33 | 2°56 | 17° 4 | S 3 |
| S 4 | 4 52 41 | 11°47'31 | 25°12 | 28°36 | 8°22 | 1°57 | 24°18 | 0°37 | 22°59 | 22°17 | 22°21 | 21°49 | 20°30 | 3° 2 | 17° 9 | S 4 |
| M 5 | 4 56 37 | 12°47'59 | 7♓ 8 | 28°14 | 9°36 | 2°29 | 24°31 | 0°43 | 23° 2 | 22°18 | 22°23 | 21°48 | 20°26 | 3° 9 | 17°15 | M 5 |
| T 6 | 5 0 34 | 13°48'29 | 19°14 | 27°41 | 10°50 | 3° 1 | 24°44 | 0°48 | 23° 6 | 22°19 | 22°26 | 21°D48 | 20°23 | 3°16 | 17°20 | T 6 |
| W 7 | 5 4 30 | 14°49'00 | 1♈35 | 26°58 | 12° 4 | 3°33 | 24°58 | 0°54 | 23°10 | 22°20 | 22°28 | 21°49 | 20°20 | 3°22 | 17°26 | W 7 |
| T 8 | 5 8 27 | 15°49'32 | 14°15 | 26° 4 | 13°19 | 4° 5 | 25°11 | 1° 0 | 23°13 | 22°21 | 22°30 | 21°50 | 20°17 | 3°29 | 17°32 | T 8 |
| F 9 | 5 12 23 | 16°50'05 | 27°21 | 25° 1 | 14°33 | 4°37 | 25°24 | 1° 5 | 23°17 | 22°22 | 22°33 | 21°R50 | 20°14 | 3°36 | 17°37 | F 9 |
| S 10 | 5 16 20 | 17°50'39 | 10♉53 | 23°50 | 15°47 | 5° 9 | 25°38 | 1°11 | 23°21 | 22°24 | 22°35 | 21°48 | 20°11 | 3°43 | 17°43 | S 10 |
| S 11 | 5 20 17 | 18°51'15 | 24°53 | 22°33 | 17° 1 | 5°41 | 25°51 | 1°17 | 23°24 | 22°25 | 22°37 | 21°44 | 20° 7 | 3°49 | 17°49 | S 11 |
| M12 | 5 24 13 | 19°51'52 | 9♊19 | 21°11 | 18°16 | 6°12 | 26° 5 | 1°23 | 23°28 | 22°26 | 22°40 | 21°37 | 20° 4 | 3°56 | 17°54 | M12 |
| T 13 | 5 28 10 | 20°52'30 | 24° 5 | 19°49 | 19°30 | 6°43 | 26°18 | 1°29 | 23°32 | 22°27 | 22°42 | 21°29 | 20° 1 | 4° 3 | 18° 0 | T 13 |
| W14 | 5 32 6 | 21°53'10 | 9♋ 4 | 18°28 | 20°44 | 7°15 | 26°32 | 1°35 | 23°35 | 22°29 | 22°44 | 21°19 | 19°58 | 4°10 | 18° 6 | W14 |
| T 15 | 5 36 3 | 22°53'51 | 24° 5 | 17°11 | 21°58 | 7°46 | 26°45 | 1°41 | 23°39 | 22°30 | 22°47 | 21°10 | 19°55 | 4°16 | 18°12 | T 15 |
| F 16 | 5 39 59 | 23°54'33 | 9♌ 0 | 16° 2 | 23°12 | 8°17 | 26°58 | 1°47 | 23°43 | 22°31 | 22°49 | 21° 1 | 19°52 | 4°23 | 18°18 | F 16 |
| S 17 | 5 43 56 | 24°55'17 | 23°41 | 15° 0 | 24°26 | 8°47 | 27°12 | 1°53 | 23°47 | 22°33 | 22°51 | 20°55 | 19°48 | 4°30 | 18°24 | S 17 |
| S 18 | 5 47 53 | 25°56'02 | 8♍ 2 | 14° 9 | 25°41 | 9°18 | 27°25 | 1°59 | 23°50 | 22°34 | 22°54 | 20°52 | 19°45 | 4°36 | 18°29 | S 18 |
| M19 | 5 51 49 | 26°56'48 | 22° 1 | 13°29 | 26°55 | 9°48 | 27°39 | 2° 5 | 23°54 | 22°36 | 22°56 | 20°D50 | 19°42 | 4°43 | 18°35 | M19 |
| T 20 | 5 55 46 | 27°57'36 | 5♎38 | 13° 0 | 28° 9 | 10°19 | 27°52 | 2°12 | 23°58 | 22°37 | 22°58 | 20°50 | 19°39 | 4°50 | 18°41 | T 20 |
| W21 | 5 59 42 | 28°58'26 | 18°56 | 12°43 | 29°23 | 10°49 | 28° 6 | 2°18 | 24° 1 | 22°39 | 23° 1 | 20°R51 | 19°36 | 4°57 | 18°47 | W21 |
| T 22 | 6 3 39 | 29°59'17 | 1♏56 | 12°D37 | 0♒37 | 11°19 | 28°19 | 2°24 | 24° 5 | 22°40 | 23° 3 | 20°50 | 19°32 | 5° 3 | 18°53 | T 22 |
| F 23 | 6 7 35 | 1♑ 0'09 | 14°43 | 12°42 | 1°51 | 11°49 | 28°33 | 2°31 | 24° 9 | 22°42 | 23° 5 | 20°48 | 19°29 | 5°10 | 18°59 | F 23 |
| S 24 | 6 11 32 | 2° 1'02 | 27°17 | 12°56 | 3° 5 | 12°19 | 28°46 | 2°37 | 24°12 | 22°43 | 23° 8 | 20°42 | 19°26 | 5°17 | 19° 5 | S 24 |
| S 25 | 6 15 28 | 3° 1'57 | 9♐41 | 13°19 | 4°19 | 12°48 | 29° 0 | 2°44 | 24°16 | 22°45 | 23°10 | 20°34 | 19°23 | 5°23 | 19°11 | S 25 |
| M26 | 6 19 25 | 4° 2'52 | 21°57 | 13°50 | 5°33 | 13°17 | 29°13 | 2°50 | 24°20 | 22°47 | 23°12 | 20°23 | 19°20 | 5°30 | 19°17 | M26 |
| T 27 | 6 23 22 | 5° 3'49 | 4♑ 5 | 14°28 | 6°47 | 13°46 | 29°27 | 2°57 | 24°23 | 22°48 | 23°15 | 20° 9 | 19°17 | 5°37 | 19°24 | T 27 |
| W28 | 6 27 18 | 6° 4'46 | 16° 7 | 15°13 | 8° 1 | 14°15 | 29°40 | 3° 3 | 24°27 | 22°50 | 23°17 | 19°55 | 19°13 | 5°44 | 19°30 | W28 |
| T 29 | 6 31 15 | 7° 5'45 | 28° 3 | 16° 3 | 9°15 | 14°44 | 29°54 | 3°10 | 24°31 | 22°52 | 23°19 | 19°41 | 19°10 | 5°50 | 19°36 | T 29 |
| F 30 | 6 35 11 | 8° 6'44 | 9♒55 | 16°58 | 10°29 | 15°13 | 0♑ 7 | 3°17 | 24°34 | 22°53 | 23°22 | 19°27 | 19° 7 | 5°57 | 19°42 | F 30 |
| S 31 | 6 39 8 | 9♑ 7'43 | 21♒45 | 17♐58 | 11♒42 | 15♎41 | 0♑21 | 3♒23 | 24♐38 | 22♒55 | 23♐24 | 19♈17 | 19♈ 4 | 6♒ 4 | 19♑48 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s39 | 26s57 | 5s 7 | 25s25 | 2s 7 | 24s26 | 1s12 | 1n29 | 1n45 | 22s43 | 0n26 | 20s 4 | 0s 6 | 23s10 | 0s 3 | 14s 4 | 0s 2 | 12s 3 | 11n 3 | 8n34 | 8n 1 | 24s21 | 15s38 | 6n40 |
| F 2 | 21 48 | 24 39 | 5 3 | 25 15 | 1 56 | 24 25 | 1 14 | 1 17 | 1 46 | 22 44 | 0 26 | 20 3 | 0 6 | 23 11 | 0 3 | 14 3 | 0 2 | 12 3 | 11 3 | 8 31 | 8 0 | 24 19 | 15 38 | 6 40 |
| S 3 | 21 57 | 21 18 | 4 46 | 25 3 | 1 45 | 24 23 | 1 16 | 1 5 | 1 47 | 22 45 | 0 26 | 20 2 | 0 6 | 23 11 | 0 3 | 14 3 | 0 2 | 12 3 | 11 3 | 8 29 | 7 59 | 24 17 | 15 38 | 6 39 |
| S 4 | 22 5 | 17 5 | 4 17 | 24 50 | 1 31 | 24 21 | 1 18 | 0 52 | 1 47 | 22 46 | 0 26 | 20 1 | 0 6 | 23 11 | 0 3 | 14 3 | 0 2 | 12 4 | 11 3 | 8 28 | 7 58 | 24 16 | 15 37 | 6 39 |
| M 5 | 22 13 | 12 12 | 3 36 | 24 35 | 1 17 | 24 18 | 1 20 | 0 40 | 1 48 | 22 46 | 0 26 | 20 0 | 0 6 | 23 11 | 0 3 | 14 3 | 0 2 | 12 4 | 11 3 | 8 27 | 7 57 | 24 14 | 15 37 | 6 39 |
| T 6 | 22 20 | 6 47 | 2 46 | 24 18 | 1 1 | 24 14 | 1 22 | 0 28 | 1 48 | 22 47 | 0 26 | 19 59 | 0 6 | 23 11 | 0 3 | 14 2 | 0 2 | 12 4 | 11 3 | 8 27 | 7 55 | 24 12 | 15 36 | 6 38 |
| W 7 | 22 27 | 1 0 | 1 47 | 24 0 | 0 43 | 24 10 | 1 24 | 0 16 | 1 49 | 22 47 | 0 26 | 19 57 | 0 6 | 23 12 | 0 3 | 14 2 | 0 2 | 12 5 | 11 2 | 8 27 | 7 54 | 24 10 | 15 36 | 6 38 |
| T 8 | 22 34 | 4n58 | 0 41 | 23 40 | 0 24 | 24 5 | 1 26 | 0 4 | 1 49 | 22 48 | 0 26 | 19 56 | 0 7 | 23 12 | 0 3 | 14 1 | 0 2 | 12 5 | 11 2 | 8 28 | 7 53 | 24 9 | 15 36 | 6 38 |
| F 9 | 22 40 | 10 56 | 0n30 | 23 18 | 0 5 | 23 59 | 1 28 | 0s 9 | 1 50 | 22 49 | 0 25 | 19 55 | 0 7 | 23 12 | 0 3 | 14 1 | 0 2 | 12 5 | 11 2 | 8 28 | 7 52 | 24 7 | 15 35 | 6 38 |
| S 10 | 22 46 | 16 36 | 1 40 | 22 55 | 0n15 | 23 52 | 1 30 | 0 20 | 1 51 | 22 49 | 0 25 | 19 54 | 0 7 | 23 12 | 0 3 | 14 1 | 0 2 | 12 5 | 11 2 | 8 27 | 7 51 | 24 5 | 15 35 | 6 37 |
| S 11 | 22 51 | 21 35 | 2 47 | 22 31 | 0 36 | 23 45 | 1 31 | 0 32 | 1 51 | 22 50 | 0 25 | 19 53 | 0 7 | 23 12 | 0 3 | 14 0 | 0 2 | 12 6 | 11 2 | 8 26 | 7 50 | 24 3 | 15 34 | 6 37 |
| M12 | 22 56 | 25 26 | 3 45 | 22 6 | 0 56 | 23 37 | 1 33 | 0 44 | 1 52 | 22 50 | 0 25 | 19 51 | 0 7 | 23 13 | 0 3 | 14 0 | 0 2 | 12 6 | 11 2 | 8 23 | 7 48 | 24 1 | 15 34 | 6 37 |
| T 13 | 23 0 | 27 40 | 4 30 | 21 40 | 1 15 | 23 28 | 1 35 | 0 56 | 1 52 | 22 51 | 0 25 | 19 50 | 0 7 | 23 13 | 0 3 | 14 0 | 0 2 | 12 6 | 11 2 | 8 20 | 7 47 | 23 59 | 15 33 | 6 37 |
| W14 | 23 4 | 27 56 | 4 57 | 21 16 | 1 33 | 23 18 | 1 36 | 1 8 | 1 53 | 22 51 | 0 25 | 19 49 | 0 7 | 23 13 | 0 3 | 13 59 | 0 2 | 12 6 | 11 2 | 8 16 | 7 46 | 23 58 | 15 33 | 6 37 |
| T 15 | 23 7 | 26 9 | 5 3 | 20 53 | 1 50 | 23 8 | 1 38 | 1 19 | 1 54 | 22 51 | 0 25 | 19 48 | 0 7 | 23 13 | 0 3 | 13 59 | 0 2 | 12 6 | 11 2 | 8 13 | 7 45 | 23 56 | 15 32 | 6 36 |
| F 16 | 23 10 | 22 33 | 4 49 | 20 32 | 2 4 | 22 57 | 1 39 | 1 31 | 1 54 | 22 52 | 0 25 | 19 46 | 0 7 | 23 13 | 0 3 | 13 58 | 0 2 | 12 7 | 11 2 | 8 10 | 7 44 | 23 54 | 15 31 | 6 36 |
| S 17 | 23 13 | 17 35 | 4 16 | 20 13 | 2 16 | 22 46 | 1 40 | 1 42 | 1 55 | 22 52 | 0 25 | 19 45 | 0 7 | 23 13 | 0 3 | 13 58 | 0 2 | 12 7 | 11 1 | 8 7 | 7 42 | 23 52 | 15 31 | 6 36 |
| S 18 | 23 15 | 11 43 | 3 27 | 19 57 | 2 26 | 22 34 | 1 42 | 1 54 | 1 55 | 22 53 | 0 25 | 19 44 | 0 7 | 23 14 | 0 3 | 13 57 | 0 2 | 12 7 | 11 1 | 8 6 | 7 41 | 23 50 | 15 30 | 6 36 |
| M19 | 23 17 | 5 24 | 2 27 | 19 45 | 2 34 | 22 21 | 1 43 | 2 5 | 1 56 | 22 53 | 0 25 | 19 42 | 0 7 | 23 14 | 0 3 | 13 57 | 0 2 | 12 7 | 11 1 | 8 6 | 7 40 | 23 48 | 15 30 | 6 36 |
| T 20 | 23 18 | 1s 0 | 1 20 | 19 36 | 2 40 | 22 7 | 1 44 | 2 16 | 1 57 | 22 53 | 0 25 | 19 41 | 0 7 | 23 14 | 0 3 | 13 56 | 0 2 | 12 7 | 11 1 | 8 6 | 7 39 | 23 46 | 15 29 | 6 36 |
| W21 | 23 19 | 7 13 | 0 10 | 19 30 | 2 43 | 21 53 | 1 45 | 2 28 | 1 57 | 22 54 | 0 24 | 19 40 | 0 7 | 23 14 | 0 3 | 13 56 | 0 2 | 12 7 | 11 1 | 8 6 | 7 38 | 23 45 | 15 28 | 6 35 |
| T 22 | 23 19 | 13 0 | 0s59 | 19 28 | 2 45 | 21 38 | 1 46 | 2 39 | 1 58 | 22 54 | 0 24 | 19 38 | 0 7 | 23 14 | 0 3 | 13 55 | 0 2 | 12 8 | 11 1 | 8 6 | 7 36 | 23 43 | 15 28 | 6 35 |
| F 23 | 23 19 | 18 7 | 2 3 | 19 29 | 2 45 | 21 23 | 1 47 | 2 50 | 1 58 | 22 54 | 0 24 | 19 37 | 0 8 | 23 15 | 0 3 | 13 55 | 0 2 | 12 8 | 11 1 | 8 5 | 7 35 | 23 41 | 15 27 | 6 35 |
| S 24 | 23 18 | 22 22 | 3 0 | 19 32 | 2 43 | 21 7 | 1 48 | 3 1 | 1 59 | 22 54 | 0 24 | 19 36 | 0 8 | 23 15 | 0 3 | 13 54 | 0 2 | 12 8 | 11 1 | 8 3 | 7 34 | 23 39 | 15 26 | 6 35 |
| S 25 | 23 17 | 25 32 | 3 48 | 19 37 | 2 41 | 20 50 | 1 49 | 3 11 | 2 0 | 22 54 | 0 24 | 19 34 | 0 8 | 23 15 | 0 3 | 13 54 | 0 2 | 12 8 | 11 1 | 7 59 | 7 33 | 23 37 | 15 26 | 6 35 |
| M26 | 23 15 | 27 28 | 4 24 | 19 45 | 2 37 | 20 33 | 1 49 | 3 22 | 2 0 | 22 55 | 0 24 | 19 33 | 0 8 | 23 15 | 0 3 | 13 53 | 0 2 | 12 8 | 11 1 | 7 55 | 7 32 | 23 35 | 15 25 | 6 35 |
| T 27 | 23 13 | 28 3 | 4 48 | 19 54 | 2 32 | 20 15 | 1 50 | 3 33 | 2 1 | 22 55 | 0 24 | 19 31 | 0 8 | 23 15 | 0 3 | 13 53 | 0 2 | 12 8 | 11 1 | 7 50 | 7 30 | 23 33 | 15 24 | 6 35 |
| W28 | 23 10 | 27 18 | 4 59 | 20 4 | 2 27 | 19 57 | 1 51 | 3 43 | 2 2 | 22 55 | 0 24 | 19 30 | 0 8 | 23 15 | 0 4 | 13 52 | 0 2 | 12 8 | 11 1 | 7 45 | 7 29 | 23 31 | 15 24 | 6 35 |
| T 29 | 23 7 | 25 17 | 4 57 | 20 15 | 2 21 | 19 38 | 1 51 | 3 54 | 2 2 | 22 55 | 0 24 | 19 29 | 0 8 | 23 16 | 0 4 | 13 52 | 0 3 | 12 8 | 11 1 | 7 39 | 7 28 | 23 29 | 15 23 | 6 35 |
| F 30 | 23 4 | 22 11 | 4 41 | 20 27 | 2 14 | 19 19 | 1 51 | 4 4 | 2 3 | 22 55 | 0 24 | 19 27 | 0 8 | 23 16 | 0 4 | 13 51 | 0 3 | 12 9 | 11 1 | 7 35 | 7 27 | 23 27 | 15 22 | 6 34 |
| S 31 | 23s 0 | 18s11 | 4s14 | 20s40 | 2n 7 | 18s59 | 1s52 | 4s15 | 2n 3 | 22s55 | 0n24 | 19s26 | 0s 8 | 23s16 | 0s 4 | 13s51 | 0s 3 | 12s 9 | 11n 1 | 7n30 | 7n26 | 23s25 | 15s21 | 6n34 |

Julian Day Number = 2813834.5, Delta T = 54m00s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°37'33, Lahiri = 37°44'33


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# ASTRODIENST EPHEMERIS for the year 2992
# geocentric

## JANUARY 2992 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 43 4 | 10♉ 8'43 | 3♓35 | 19♐ 1 | 12♒56 | 16♎ 9 | 0♉34 | 3♒30 | 24♐42 | 22♒57 | 23♐26 | 19°R 9 | 19♈ 1 | 6♒10 | 19♉54 | S 1 |
| M 2 | 6 47 1 | 11° 9'44 | 15°30 | 20° 8 | 14°10 | 16°37 | 0°47 | 3°37 | 24°45 | 22°59 | 23°28 | 19♈ 4 | 18°58 | 6°17 | 20° 0 | M 2 |
| T 3 | 6 50 57 | 12°10'45 | 27°32 | 21°18 | 15°24 | 17° 5 | 1° 1 | 3°43 | 24°49 | 23° 0 | 23°31 | 19° 1 | 18°54 | 6°24 | 20° 7 | T 3 |
| W 4 | 6 54 54 | 13°11'46 | 9♈48 | 22°30 | 16°38 | 17°33 | 1°14 | 3°50 | 24°52 | 23° 2 | 23°33 | 19° 0 | 18°51 | 6°31 | 20°13 | W 4 |
| T 5 | 6 58 51 | 14°12'47 | 22°23 | 23°45 | 17°51 | 18° 0 | 1°28 | 3°57 | 24°56 | 23° 4 | 23°35 | 19° 0 | 18°48 | 6°37 | 20°19 | T 5 |
| F 6 | 7 2 47 | 15°13'49 | 5♉21 | 25° 1 | 19° 5 | 18°27 | 1°41 | 4° 4 | 24°59 | 23° 6 | 23°37 | 19° 0 | 18°45 | 6°44 | 20°25 | F 6 |
| S 7 | 7 6 44 | 16°14'52 | 18°47 | 26°20 | 20°19 | 18°54 | 1°54 | 4°11 | 25° 3 | 23° 8 | 23°39 | 18°57 | 18°42 | 6°51 | 20°31 | S 7 |
| S 8 | 7 10 40 | 17°15'54 | 2♊44 | 27°39 | 21°32 | 19°21 | 2° 8 | 4°18 | 25° 7 | 23°10 | 23°42 | 18°52 | 18°38 | 6°57 | 20°37 | S 8 |
| M 9 | 7 14 37 | 18°16'57 | 17°11 | 29° 0 | 22°46 | 19°48 | 2°21 | 4°25 | 25°10 | 23°12 | 23°44 | 18°45 | 18°35 | 7° 4 | 20°44 | M 9 |
| T 10 | 7 18 33 | 19°18'00 | 2♋ 4 | 0♉23 | 23°59 | 20°14 | 2°34 | 4°32 | 25°13 | 23°14 | 23°46 | 18°35 | 18°32 | 7°11 | 20°50 | T 10 |
| W11 | 7 22 30 | 20°19'04 | 17°15 | 1°46 | 25°13 | 20°40 | 2°47 | 4°39 | 25°17 | 23°16 | 23°48 | 18°23 | 18°29 | 7°18 | 20°56 | W11 |
| T 12 | 7 26 27 | 21°20'07 | 2♌35 | 3°10 | 26°26 | 21° 6 | 3° 0 | 4°45 | 25°20 | 23°18 | 23°50 | 18°11 | 18°26 | 7°24 | 21° 2 | T 12 |
| F 13 | 7 30 23 | 22°21'11 | 17°51 | 4°35 | 27°39 | 21°31 | 3°14 | 4°52 | 25°24 | 23°20 | 23°52 | 18° 1 | 18°23 | 7°31 | 21° 9 | F 13 |
| S 14 | 7 34 20 | 23°22'16 | 2♍52 | 6° 1 | 28°53 | 21°57 | 3°27 | 5° 0 | 25°27 | 23°22 | 23°55 | 17°53 | 18°19 | 7°38 | 21°15 | S 14 |
| S 15 | 7 38 16 | 24°23'20 | 17°32 | 7°28 | 0♓ 6 | 22°22 | 3°40 | 5° 7 | 25°31 | 23°24 | 23°57 | 17°47 | 18°16 | 7°44 | 21°21 | S 15 |
| M16 | 7 42 13 | 25°24'26 | 1♎44 | 8°55 | 1°19 | 22°46 | 3°53 | 5°14 | 25°34 | 23°26 | 23°59 | 17°45 | 18°13 | 7°51 | 21°27 | M16 |
| T 17 | 7 46 9 | 26°25'31 | 15°29 | 10°23 | 2°32 | 23°11 | 4° 6 | 5°21 | 25°37 | 23°28 | 24° 1 | 17°D44 | 18°10 | 7°58 | 21°33 | T 17 |
| W18 | 7 50 6 | 27°26'37 | 28°48 | 11°51 | 3°45 | 23°35 | 4°19 | 5°28 | 25°41 | 23°30 | 24° 3 | 17°R44 | 18° 7 | 8° 5 | 21°39 | W18 |
| T 19 | 7 54 2 | 28°27'44 | 11♏45 | 13°20 | 4°59 | 23°59 | 4°32 | 5°35 | 25°44 | 23°32 | 24° 5 | 17°44 | 18° 4 | 8°11 | 21°46 | T 19 |
| F 20 | 7 57 59 | 29°28'51 | 24°23 | 14°49 | 6°12 | 24°23 | 4°45 | 5°42 | 25°47 | 23°34 | 24° 7 | 17°41 | 18° 0 | 8°18 | 21°52 | F 20 |
| S 21 | 8 1 56 | 0♒29'58 | 6♐47 | 16°19 | 7°25 | 24°46 | 4°58 | 5°49 | 25°50 | 23°36 | 24° 9 | 17°36 | 17°57 | 8°25 | 21°58 | S 21 |
| S 22 | 8 5 52 | 1°31'05 | 18°59 | 17°49 | 8°37 | 25° 9 | 5°11 | 5°56 | 25°53 | 23°38 | 24°11 | 17°28 | 17°54 | 8°31 | 22° 4 | S 22 |
| M23 | 8 9 49 | 2°32'13 | 1♑ 4 | 19°20 | 9°50 | 25°32 | 5°23 | 6° 3 | 25°57 | 23°41 | 24°13 | 17°17 | 17°51 | 8°38 | 22°10 | M23 |
| T 24 | 8 13 45 | 3°33'21 | 13° 3 | 20°52 | 11° 3 | 25°55 | 5°36 | 6°10 | 26° 0 | 23°43 | 24°15 | 17° 4 | 17°48 | 8°45 | 22°16 | T 24 |
| W25 | 8 17 42 | 4°34'28 | 24°58 | 22°23 | 12°16 | 26°17 | 5°49 | 6°17 | 26° 3 | 23°45 | 24°17 | 16°50 | 17°44 | 8°52 | 22°22 | W25 |
| T 26 | 8 21 38 | 5°35'36 | 6♒50 | 23°55 | 13°28 | 26°39 | 6° 1 | 6°25 | 26° 6 | 23°47 | 24°19 | 16°36 | 17°41 | 8°58 | 22°28 | T 26 |
| F 27 | 8 25 35 | 6°36'43 | 18°42 | 25°28 | 14°41 | 27° 0 | 6°14 | 6°32 | 26° 9 | 23°49 | 24°20 | 16°23 | 17°38 | 9° 5 | 22°34 | F 27 |
| S 28 | 8 29 31 | 7°37'50 | 0♓33 | 27° 1 | 15°54 | 27°21 | 6°27 | 6°39 | 26°12 | 23°52 | 24°22 | 16°12 | 17°35 | 9°12 | 22°41 | S 28 |
| S 29 | 8 33 28 | 8°38'56 | 12°26 | 28°34 | 17° 6 | 27°42 | 6°39 | 6°46 | 26°15 | 23°54 | 24°24 | 16° 4 | 17°32 | 9°18 | 22°47 | S 29 |
| M30 | 8 37 25 | 9°40'02 | 24°24 | 0♒ 8 | 18°18 | 28° 2 | 6°51 | 6°53 | 26°18 | 23°56 | 24°26 | 15°59 | 17°29 | 9°25 | 22°53 | M30 |
| T 31 | 8 41 21 | 10♒41'07 | 6♈29 | 1♒43 | 19♓31 | 28♎22 | 7♑ 4 | 7♒ 0 | 26♐21 | 23♒58 | 24♐28 | 15♈56 | 17♈25 | 9♒32 | 22♉59 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s56 | 13s29 | 3s35 | 20s52 | 2n 0 | 18s38 | 1s52 | 4s25 | 2n 4 | 22s55 | 0n24 | 19s24 | 0s 8 | 23s16 | 0s 4 | 13s50 | 0s 3 | 12s 9 | 11n 1 | 7n27 | 7n24 | 23s23 | 15s20 | 6n34 |
| M 2 | 22 51 | 8 16 | 2 47 | 21 5 | 1 52 | 18 17 | 1 52 | 4 35 | 2 5 | 22 55 | 0 24 | 19 23 | 0 8 | 23 16 | 0 4 | 13 50 | 0 3 | 12 9 | 11 1 | 7 26 | 7 23 | 23 22 | 15 20 | 6 34 |
| T 3 | 22 46 | 2 40 | 1 51 | 21 18 | 1 44 | 17 55 | 1 52 | 4 45 | 2 5 | 22 55 | 0 23 | 19 21 | 0 8 | 23 16 | 0 4 | 13 49 | 0 3 | 12 9 | 11 1 | 7 25 | 7 22 | 23 20 | 15 19 | 6 34 |
| W 4 | 22 40 | 3n 7 | 0 48 | 21 30 | 1 36 | 17 33 | 1 52 | 4 55 | 2 6 | 22 55 | 0 23 | 19 20 | 0 8 | 23 16 | 0 4 | 13 48 | 0 3 | 12 9 | 11 1 | 7 24 | 7 21 | 23 18 | 15 18 | 6 34 |
| T 5 | 22 34 | 8 57 | 0n18 | 21 42 | 1 28 | 17 11 | 1 52 | 5 4 | 2 7 | 22 55 | 0 23 | 19 18 | 0 8 | 23 17 | 0 4 | 13 48 | 0 3 | 12 9 | 11 1 | 7 24 | 7 20 | 23 16 | 15 17 | 6 34 |
| F 6 | 22 27 | 14 35 | 1 25 | 21 53 | 1 20 | 16 48 | 1 52 | 5 14 | 2 7 | 22 55 | 0 23 | 19 16 | 0 8 | 23 17 | 0 4 | 13 47 | 0 3 | 12 9 | 11 1 | 7 24 | 7 18 | 23 14 | 15 16 | 6 34 |
| S 7 | 22 20 | 19 44 | 2 30 | 22 4 | 1 12 | 16 24 | 1 52 | 5 24 | 2 8 | 22 55 | 0 23 | 19 15 | 0 8 | 23 17 | 0 4 | 13 47 | 0 3 | 12 9 | 11 1 | 7 23 | 7 17 | 23 12 | 15 15 | 6 34 |
| S 8 | 22 12 | 24 0 | 3 29 | 22 14 | 1 3 | 16 1 | 1 51 | 5 33 | 2 9 | 22 55 | 0 23 | 19 13 | 0 9 | 23 17 | 0 4 | 13 46 | 0 3 | 12 9 | 11 1 | 7 21 | 7 16 | 23 10 | 15 15 | 6 34 |
| M 9 | 22 4 | 26 57 | 4 16 | 22 23 | 0 55 | 15 36 | 1 51 | 5 42 | 2 9 | 22 54 | 0 23 | 19 12 | 0 9 | 23 17 | 0 4 | 13 45 | 0 3 | 12 9 | 11 1 | 7 18 | 7 15 | 23 8 | 15 14 | 6 34 |
| T 10 | 21 56 | 28 5 | 4 48 | 22 32 | 0 47 | 15 12 | 1 50 | 5 51 | 2 10 | 22 54 | 0 23 | 19 10 | 0 9 | 23 17 | 0 4 | 13 45 | 0 3 | 12 9 | 11 2 | 7 15 | 7 14 | 23 6 | 15 13 | 6 34 |
| W11 | 21 47 | 27 10 | 5 0 | 22 39 | 0 39 | 14 47 | 1 50 | 6 1 | 2 11 | 22 54 | 0 23 | 19 9 | 0 9 | 23 17 | 0 4 | 13 44 | 0 3 | 12 9 | 11 2 | 7 10 | 7 12 | 23 4 | 15 12 | 6 34 |
| T 12 | 21 38 | 24 12 | 4 51 | 22 46 | 0 31 | 14 21 | 1 49 | 6 10 | 2 11 | 22 54 | 0 23 | 19 7 | 0 9 | 23 18 | 0 4 | 13 43 | 0 3 | 12 9 | 11 2 | 7 6 | 7 11 | 23 2 | 15 11 | 6 34 |
| F 13 | 21 28 | 19 32 | 4 21 | 22 51 | 0 23 | 13 55 | 1 48 | 6 18 | 2 12 | 22 54 | 0 23 | 19 5 | 0 9 | 23 18 | 0 4 | 13 43 | 0 3 | 12 9 | 11 2 | 7 2 | 7 10 | 23 0 | 15 10 | 6 34 |
| S 14 | 21 18 | 13 42 | 3 33 | 22 56 | 0 15 | 13 29 | 1 47 | 6 27 | 2 13 | 22 53 | 0 23 | 19 4 | 0 9 | 23 18 | 0 4 | 13 42 | 0 3 | 12 9 | 11 2 | 6 59 | 7 9 | 22 58 | 15 9 | 6 34 |
| S 15 | 21 8 | 7 14 | 2 32 | 22 59 | 0 7 | 13 2 | 1 47 | 6 36 | 2 13 | 22 53 | 0 23 | 19 2 | 0 9 | 23 18 | 0 4 | 13 41 | 0 3 | 12 9 | 11 2 | 6 57 | 7 8 | 22 55 | 15 8 | 6 34 |
| M16 | 20 57 | 0 35 | 1 23 | 23 2 | 0s 1 | 12 36 | 1 45 | 6 44 | 2 14 | 22 53 | 0 23 | 19 1 | 0 9 | 23 18 | 0 4 | 13 41 | 0 3 | 12 9 | 11 2 | 6 56 | 7 6 | 22 53 | 15 7 | 6 34 |
| T 17 | 20 45 | 5s53 | 0 12 | 23 3 | 0 8 | 12 8 | 1 44 | 6 53 | 2 15 | 22 52 | 0 23 | 18 59 | 0 9 | 23 18 | 0 4 | 13 40 | 0 3 | 12 9 | 11 2 | 6 55 | 7 5 | 22 51 | 15 6 | 6 35 |
| W18 | 20 34 | 11 54 | 0s58 | 23 3 | 0 16 | 11 41 | 1 43 | 7 1 | 2 15 | 22 52 | 0 22 | 18 57 | 0 9 | 23 18 | 0 4 | 13 39 | 0 3 | 12 9 | 11 2 | 6 55 | 7 4 | 22 49 | 15 5 | 6 35 |
| T 19 | 20 22 | 17 14 | 2 3 | 23 2 | 0 23 | 11 13 | 1 42 | 7 9 | 2 16 | 22 52 | 0 22 | 18 56 | 0 9 | 23 18 | 0 4 | 13 39 | 0 3 | 12 9 | 11 2 | 6 55 | 7 3 | 22 47 | 15 4 | 6 35 |
| F 20 | 20 9 | 21 41 | 3 1 | 22 59 | 0 30 | 10 45 | 1 40 | 7 17 | 2 17 | 22 51 | 0 22 | 18 54 | 0 9 | 23 19 | 0 4 | 13 38 | 0 3 | 12 9 | 11 3 | 6 54 | 7 2 | 22 45 | 15 3 | 6 35 |
| S 21 | 19 56 | 25 5 | 3 48 | 22 56 | 0 37 | 10 17 | 1 39 | 7 25 | 2 17 | 22 51 | 0 22 | 18 52 | 0 9 | 23 19 | 0 4 | 13 37 | 0 3 | 12 9 | 11 3 | 6 52 | 7 0 | 22 43 | 15 2 | 6 35 |
| S 22 | 19 43 | 27 15 | 4 25 | 22 51 | 0 43 | 9 48 | 1 37 | 7 33 | 2 18 | 22 51 | 0 22 | 18 51 | 0 10 | 23 19 | 0 4 | 13 37 | 0 3 | 12 9 | 11 3 | 6 49 | 6 59 | 22 41 | 15 1 | 6 35 |
| M23 | 19 29 | 28 7 | 4 49 | 22 45 | 0 50 | 9 19 | 1 36 | 7 40 | 2 19 | 22 50 | 0 22 | 18 49 | 0 10 | 23 19 | 0 4 | 13 36 | 0 3 | 12 9 | 11 3 | 6 45 | 6 58 | 22 39 | 15 0 | 6 35 |
| T 24 | 19 15 | 27 39 | 5 0 | 22 38 | 0 56 | 8 50 | 1 34 | 7 48 | 2 19 | 22 50 | 0 22 | 18 47 | 0 10 | 23 19 | 0 4 | 13 35 | 0 3 | 12 9 | 11 3 | 6 40 | 6 57 | 22 37 | 14 59 | 6 35 |
| W25 | 19 1 | 25 54 | 4 57 | 22 29 | 1 2 | 8 21 | 1 32 | 7 55 | 2 20 | 22 49 | 0 22 | 18 46 | 0 10 | 23 19 | 0 4 | 13 35 | 0 3 | 12 9 | 11 3 | 6 35 | 6 56 | 22 35 | 14 58 | 6 35 |
| T 26 | 18 46 | 23 1 | 4 42 | 22 19 | 1 8 | 7 51 | 1 30 | 8 2 | 2 21 | 22 49 | 0 22 | 18 44 | 0 10 | 23 19 | 0 4 | 13 34 | 0 3 | 12 9 | 11 3 | 6 29 | 6 54 | 22 33 | 14 57 | 6 36 |
| F 27 | 18 31 | 19 11 | 4 15 | 22 8 | 1 14 | 7 21 | 1 28 | 8 9 | 2 21 | 22 48 | 0 22 | 18 42 | 0 10 | 23 19 | 0 4 | 13 33 | 0 3 | 12 9 | 11 4 | 6 24 | 6 53 | 22 30 | 14 55 | 6 36 |
| S 28 | 18 16 | 14 35 | 3 36 | 21 56 | 1 19 | 6 51 | 1 26 | 8 16 | 2 22 | 22 48 | 0 22 | 18 40 | 0 10 | 23 19 | 0 4 | 13 32 | 0 3 | 12 9 | 11 4 | 6 20 | 6 52 | 22 28 | 14 54 | 6 36 |
| S 29 | 18 0 | 9 27 | 2 48 | 21 43 | 1 24 | 6 21 | 1 24 | 8 23 | 2 23 | 22 47 | 0 22 | 18 39 | 0 10 | 23 19 | 0 4 | 13 32 | 0 3 | 12 8 | 11 4 | 6 17 | 6 51 | 22 26 | 14 53 | 6 36 |
| M30 | 17 44 | 3 56 | 1 52 | 21 28 | 1 29 | 5 51 | 1 21 | 8 29 | 2 23 | 22 46 | 0 22 | 18 37 | 0 10 | 23 20 | 0 4 | 13 31 | 0 3 | 12 8 | 11 4 | 6 15 | 6 50 | 22 24 | 14 52 | 6 36 |
| T 31 | 17s28 | 1n47 | 0s50 | 21s12 | 1s34 | 5s20 | 1s19 | 8s36 | 2n24 | 22s46 | 0n22 | 18s35 | 0s10 | 23s20 | 0s 4 | 13s30 | 0s 3 | 12s 8 | 11n 4 | 6n14 | 6n48 | 22s22 | 14s51 | 6n36 |

Julian Day Number = 2813865.5, Delta T = 54m00s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°37'37, Lahiri = 37°44'38


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# ASTRODIENST EPHEMERIS for the year 2992
# geocentric

## FEBRUARY 2992 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 8 45 18 | 11♒42'12 | 18♈45 | 3♒18 | 20♓43 | 28♎42 | 7♑16 | 7♒ 7 | 26♐24 | 24♒ 0 | 24♐29 | 15°D56 | 17♈22 | 9♒39 | 23♑ 4 | W 1 |
| T 2 | 8 49 14 | 12°43'16 | 1♉18 | 4°53 | 21°55 | 29° 1 | 7°28 | 7°14 | 26°27 | 24° 3 | 24°31 | 15♈56 | 17°19 | 9°45 | 23°10 | T 2 |
| F 3 | 8 53 11 | 13°44'19 | 14°10 | 6°29 | 23° 7 | 29°20 | 7°41 | 7°21 | 26°29 | 24° 5 | 24°33 | 15°R57 | 17°16 | 9°52 | 23°16 | F 3 |
| S 4 | 8 57 7 | 14°45'22 | 27°28 | 8° 6 | 24°19 | 29°39 | 7°53 | 7°29 | 26°32 | 24° 7 | 24°35 | 15°56 | 17°13 | 9°59 | 23°22 | S 4 |
| S 5 | 9 1 4 | 15°46'24 | 11♊13 | 9°43 | 25°31 | 29°57 | 8° 5 | 7°36 | 26°35 | 24° 9 | 24°36 | 15°53 | 17°10 | 10° 5 | 23°28 | S 5 |
| M 6 | 9 5 0 | 16°47'25 | 25°27 | 11°20 | 26°43 | 0♏15 | 8°17 | 7°43 | 26°38 | 24°12 | 24°38 | 15°48 | 17° 6 | 10°12 | 23°34 | M 6 |
| T 7 | 9 8 57 | 17°48'25 | 10♋ 9 | 12°59 | 27°55 | 0°32 | 8°29 | 7°50 | 26°40 | 24°14 | 24°39 | 15°41 | 17° 3 | 10°19 | 23°40 | T 7 |
| W 8 | 9 12 54 | 18°49'25 | 25°14 | 14°37 | 29° 6 | 0°49 | 8°41 | 7°57 | 26°43 | 24°16 | 24°41 | 15°32 | 17° 0 | 10°26 | 23°45 | W 8 |
| T 9 | 9 16 50 | 19°50'23 | 10♌31 | 16°17 | 0♈18 | 1° 5 | 8°53 | 8° 4 | 26°46 | 24°19 | 24°43 | 15°23 | 16°57 | 10°32 | 23°51 | T 9 |
| F 10 | 9 20 47 | 20°51'21 | 25°51 | 17°57 | 1°29 | 1°21 | 9° 4 | 8°11 | 26°48 | 24°21 | 24°44 | 15°15 | 16°54 | 10°39 | 23°57 | F 10 |
| S 11 | 9 24 43 | 21°52'18 | 11♍ 2 | 19°37 | 2°40 | 1°37 | 9°16 | 8°18 | 26°51 | 24°23 | 24°46 | 15° 9 | 16°50 | 10°46 | 24° 3 | S 11 |
| S 12 | 9 28 40 | 22°53'14 | 25°54 | 21°18 | 3°51 | 1°52 | 9°28 | 8°25 | 26°53 | 24°25 | 24°47 | 15° 5 | 16°47 | 10°52 | 24° 8 | S 12 |
| M13 | 9 32 36 | 23°54'09 | 10♎21 | 23° 0 | 5° 2 | 2° 6 | 9°39 | 8°32 | 26°55 | 24°28 | 24°49 | 15°D 3 | 16°44 | 10°59 | 24°14 | M13 |
| T 14 | 9 36 33 | 24°55'04 | 24°19 | 24°43 | 6°13 | 2°20 | 9°50 | 8°39 | 26°58 | 24°30 | 24°50 | 15° 3 | 16°41 | 11° 6 | 24°19 | T 14 |
| W15 | 9 40 29 | 25°55'59 | 7♏48 | 26°26 | 7°24 | 2°34 | 10° 2 | 8°46 | 27° 0 | 24°32 | 24°51 | 15° 4 | 16°38 | 11°13 | 24°25 | W15 |
| T 16 | 9 44 26 | 26°56'52 | 20°51 | 28°10 | 8°35 | 2°47 | 10°13 | 8°53 | 27° 3 | 24°34 | 24°53 | 15° 5 | 16°35 | 11°19 | 24°30 | T 16 |
| F 17 | 9 48 23 | 27°57'46 | 3♐32 | 29°54 | 9°45 | 3° 0 | 10°24 | 8°59 | 27° 5 | 24°37 | 24°54 | 15°R 5 | 16°31 | 11°26 | 24°36 | F 17 |
| S 18 | 9 52 19 | 28°58'38 | 15°55 | 1♓40 | 10°56 | 3°12 | 10°35 | 9° 6 | 27° 7 | 24°39 | 24°55 | 15° 4 | 16°28 | 11°33 | 24°41 | S 18 |
| S 19 | 9 56 16 | 29°59'30 | 28° 4 | 3°25 | 12° 6 | 3°23 | 10°46 | 9°13 | 27° 9 | 24°41 | 24°57 | 15° 0 | 16°25 | 11°39 | 24°47 | S 19 |
| M20 | 10 0 12 | 1♓ 0'21 | 10♑ 3 | 5°12 | 13°17 | 3°34 | 10°57 | 9°20 | 27°11 | 24°44 | 24°58 | 14°54 | 16°22 | 11°46 | 24°52 | M20 |
| T 21 | 10 4 9 | 2° 1'11 | 21°57 | 6°59 | 14°27 | 3°44 | 11° 8 | 9°27 | 27°13 | 24°46 | 24°59 | 14°47 | 16°19 | 11°53 | 24°57 | T 21 |
| W22 | 10 8 5 | 3° 2'00 | 3♒48 | 8°46 | 15°37 | 3°54 | 11°19 | 9°33 | 27°15 | 24°48 | 25° 0 | 14°39 | 16°16 | 12° 0 | 25° 3 | W22 |
| T 23 | 10 12 2 | 4° 2'48 | 15°39 | 10°34 | 16°46 | 4° 3 | 11°30 | 9°40 | 27°17 | 24°50 | 25° 1 | 14°30 | 16°12 | 12° 6 | 25° 8 | T 23 |
| F 24 | 10 15 58 | 5° 3'35 | 27°32 | 12°22 | 17°56 | 4°12 | 11°40 | 9°47 | 27°19 | 24°53 | 25° 3 | 14°22 | 16° 9 | 12°13 | 25°13 | F 24 |
| S 25 | 10 19 55 | 6° 4'21 | 9♓27 | 14°11 | 19° 6 | 4°20 | 11°51 | 9°54 | 27°21 | 24°55 | 25° 4 | 14°16 | 16° 6 | 12°20 | 25°18 | S 25 |
| S 26 | 10 23 52 | 7° 5'05 | 21°28 | 15°59 | 20°15 | 4°27 | 12° 1 | 10° 0 | 27°23 | 24°57 | 25° 5 | 14°12 | 16° 3 | 12°26 | 25°23 | S 26 |
| M27 | 10 27 48 | 8° 5'48 | 3♈35 | 17°48 | 21°24 | 4°34 | 12°11 | 10° 7 | 27°25 | 24°59 | 25° 6 | 14° 9 | 16° 0 | 12°33 | 25°28 | M27 |
| T 28 | 10 31 45 | 9° 6'30 | 15°50 | 19°36 | 22°33 | 4°40 | 12°22 | 10°13 | 27°27 | 25° 2 | 25° 7 | 14°D 9 | 15°56 | 12°40 | 25°33 | T 28 |
| W29 | 10 35 41 | 10♓ 7'10 | 28♈17 | 21♓24 | 23♈42 | 4♏45 | 12♑32 | 10♒20 | 27♐28 | 25♒ 4 | 25♐ 8 | 14♈10 | 15♈53 | 12♒47 | 25♑38 | W29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17s11 | 7n33 | 0n15 | 20s54 | 1s38 | 4s50 | 1s16 | 8s42 | 2n25 | 22s45 | 0n22 | 18s34 | 0s10 | 23s20 | 0s 4 | 13s30 | 0s 3 | 12s 8 | 11n 4 | 6n14 | 6n47 | 22s20 | 14s50 | 6n37 |
| T 2 | 16 54 | 13 8 | 1 21 | 20 36 | 1 42 | 4 19 | 1 14 | 8 48 | 2 25 | 22 45 | 0 22 | 18 32 | 0 10 | 23 20 | 0 4 | 13 29 | 0 3 | 12 8 | 11 5 | 6 14 | 6 46 | 22 18 | 14 49 | 6 37 |
| F 3 | 16 37 | 18 19 | 2 25 | 20 16 | 1 46 | 3 49 | 1 11 | 8 54 | 2 26 | 22 44 | 0 22 | 18 30 | 0 10 | 23 20 | 0 4 | 13 28 | 0 3 | 12 8 | 11 5 | 6 15 | 6 45 | 22 16 | 14 48 | 6 37 |
| S 4 | 16 19 | 22 47 | 3 23 | 19 55 | 1 49 | 3 18 | 1 8 | 9 0 | 2 27 | 22 43 | 0 22 | 18 28 | 0 10 | 23 20 | 0 4 | 13 27 | 0 3 | 12 8 | 11 5 | 6 14 | 6 44 | 22 13 | 14 46 | 6 37 |
| S 5 | 16 1 | 26 9 | 4 11 | 19 32 | 1 53 | 2 47 | 1 6 | 9 5 | 2 28 | 22 43 | 0 21 | 18 27 | 0 11 | 23 20 | 0 4 | 13 27 | 0 3 | 12 8 | 11 5 | 6 13 | 6 42 | 22 11 | 14 45 | 6 37 |
| M 6 | 15 43 | 28 0 | 4 46 | 19 8 | 1 56 | 2 16 | 1 3 | 9 11 | 2 28 | 22 42 | 0 21 | 18 25 | 0 11 | 23 20 | 0 4 | 13 26 | 0 3 | 12 7 | 11 5 | 6 11 | 6 41 | 22 9 | 14 44 | 6 38 |
| T 7 | 15 25 | 27 58 | 5 3 | 18 43 | 1 58 | 1 45 | 1 0 | 9 16 | 2 29 | 22 41 | 0 21 | 18 23 | 0 11 | 23 20 | 0 4 | 13 25 | 0 3 | 12 7 | 11 6 | 6 8 | 6 40 | 22 7 | 14 43 | 6 38 |
| W 8 | 15 6 | 25 54 | 5 0 | 18 17 | 2 0 | 1 13 | 0 57 | 9 21 | 2 30 | 22 41 | 0 21 | 18 21 | 0 11 | 23 20 | 0 4 | 13 24 | 0 3 | 12 7 | 11 6 | 6 5 | 6 39 | 22 5 | 14 42 | 6 38 |
| T 9 | 14 47 | 21 56 | 4 36 | 17 49 | 2 2 | 0 42 | 0 54 | 9 26 | 2 30 | 22 40 | 0 21 | 18 20 | 0 11 | 23 20 | 0 4 | 13 24 | 0 3 | 12 7 | 11 6 | 6 2 | 6 37 | 22 2 | 14 40 | 6 38 |
| F 10 | 14 28 | 16 29 | 3 52 | 17 20 | 2 4 | 0 11 | 0 50 | 9 31 | 2 31 | 22 39 | 0 21 | 18 18 | 0 11 | 23 20 | 0 4 | 13 23 | 0 3 | 12 7 | 11 6 | 5 58 | 6 36 | 22 0 | 14 39 | 6 39 |
| S 11 | 14 9 | 10 3 | 2 52 | 16 50 | 2 5 | 0n20 | 0 47 | 9 36 | 2 32 | 22 38 | 0 21 | 18 16 | 0 11 | 23 21 | 0 4 | 13 22 | 0 3 | 12 7 | 11 6 | 5 56 | 6 35 | 21 58 | 14 38 | 6 39 |
| S 12 | 13 49 | 3 10 | 1 41 | 16 19 | 2 6 | 0 51 | 0 44 | 9 40 | 2 32 | 22 38 | 0 21 | 18 15 | 0 11 | 23 21 | 0 4 | 13 21 | 0 3 | 12 6 | 11 7 | 5 55 | 6 34 | 21 56 | 14 37 | 6 39 |
| M13 | 13 29 | 3s41 | 0 25 | 15 46 | 2 6 | 1 23 | 0 40 | 9 45 | 2 33 | 22 37 | 0 21 | 18 13 | 0 11 | 23 21 | 0 4 | 13 21 | 0 3 | 12 6 | 11 7 | 5 54 | 6 33 | 21 54 | 14 36 | 6 40 |
| T 14 | 13 9 | 10 9 | 0s50 | 15 12 | 2 6 | 1 54 | 0 37 | 9 49 | 2 34 | 22 36 | 0 21 | 18 11 | 0 11 | 23 21 | 0 4 | 13 20 | 0 3 | 12 6 | 11 7 | 5 54 | 6 31 | 21 51 | 14 34 | 6 40 |
| W15 | 12 48 | 15 55 | 1 59 | 14 37 | 2 6 | 2 25 | 0 33 | 9 53 | 2 34 | 22 35 | 0 21 | 18 9 | 0 11 | 23 21 | 0 4 | 13 19 | 0 3 | 12 6 | 11 7 | 5 54 | 6 30 | 21 49 | 14 33 | 6 40 |
| T 16 | 12 28 | 20 47 | 3 1 | 14 0 | 2 5 | 2 56 | 0 29 | 9 57 | 2 35 | 22 34 | 0 21 | 18 8 | 0 11 | 23 21 | 0 4 | 13 19 | 0 3 | 12 6 | 11 8 | 5 55 | 6 29 | 21 47 | 14 32 | 6 41 |
| F 17 | 12 7 | 24 32 | 3 51 | 13 23 | 2 4 | 3 27 | 0 26 | 10 0 | 2 36 | 22 34 | 0 21 | 18 6 | 0 11 | 23 21 | 0 4 | 13 18 | 0 3 | 12 6 | 11 8 | 5 55 | 6 28 | 21 45 | 14 31 | 6 41 |
| S 18 | 11 46 | 27 2 | 4 30 | 12 44 | 2 2 | 3 58 | 0 22 | 10 4 | 2 36 | 22 33 | 0 21 | 18 4 | 0 11 | 23 21 | 0 4 | 13 17 | 0 3 | 12 5 | 11 8 | 5 54 | 6 27 | 21 42 | 14 29 | 6 41 |
| S 19 | 11 25 | 28 13 | 4 55 | 12 3 | 2 0 | 4 29 | 0 18 | 10 7 | 2 37 | 22 32 | 0 21 | 18 2 | 0 12 | 23 21 | 0 4 | 13 16 | 0 3 | 12 5 | 11 8 | 5 53 | 6 25 | 21 40 | 14 28 | 6 41 |
| M20 | 11 4 | 28 2 | 5 7 | 11 22 | 1 57 | 5 0 | 0 14 | 10 10 | 2 38 | 22 31 | 0 21 | 18 1 | 0 12 | 23 21 | 0 4 | 13 16 | 0 3 | 12 5 | 11 9 | 5 50 | 6 24 | 21 38 | 14 27 | 6 42 |
| T 21 | 10 42 | 26 34 | 5 6 | 10 40 | 1 53 | 5 31 | 0 10 | 10 13 | 2 38 | 22 30 | 0 21 | 17 59 | 0 12 | 23 21 | 0 4 | 13 15 | 0 3 | 12 5 | 11 9 | 5 48 | 6 23 | 21 36 | 14 26 | 6 42 |
| W22 | 10 20 | 23 55 | 4 51 | 9 56 | 1 49 | 6 1 | 0 6 | 10 16 | 2 39 | 22 29 | 0 21 | 17 57 | 0 12 | 23 21 | 0 4 | 13 14 | 0 3 | 12 4 | 11 9 | 5 44 | 6 22 | 21 33 | 14 24 | 6 43 |
| T 23 | 9 58 | 20 16 | 4 24 | 9 11 | 1 45 | 6 32 | 0 2 | 10 18 | 2 39 | 22 29 | 0 21 | 17 56 | 0 12 | 23 21 | 0 4 | 13 13 | 0 3 | 12 4 | 11 9 | 5 41 | 6 20 | 21 31 | 14 23 | 6 43 |
| F 24 | 9 36 | 15 48 | 3 46 | 8 26 | 1 40 | 7 2 | 0n 2 | 10 20 | 2 40 | 22 28 | 0 21 | 17 54 | 0 12 | 23 21 | 0 4 | 13 13 | 0 3 | 12 4 | 11 10 | 5 38 | 6 19 | 21 29 | 14 22 | 6 43 |
| S 25 | 9 14 | 10 43 | 2 57 | 7 39 | 1 34 | 7 32 | 0 7 | 10 22 | 2 41 | 22 27 | 0 21 | 17 52 | 0 12 | 23 21 | 0 4 | 13 12 | 0 3 | 12 4 | 11 10 | 5 36 | 6 18 | 21 27 | 14 21 | 6 44 |
| S 26 | 8 52 | 5 13 | 2 0 | 6 51 | 1 28 | 8 2 | 0 11 | 10 24 | 2 41 | 22 26 | 0 20 | 17 51 | 0 12 | 23 21 | 0 4 | 13 11 | 0 3 | 12 4 | 11 10 | 5 34 | 6 17 | 21 24 | 14 19 | 6 44 |
| M27 | 8 29 | 0n32 | 0 57 | 6 3 | 1 21 | 8 32 | 0 15 | 10 26 | 2 42 | 22 25 | 0 20 | 17 49 | 0 12 | 23 22 | 0 4 | 13 10 | 0 3 | 12 3 | 11 10 | 5 33 | 6 16 | 21 22 | 14 18 | 6 44 |
| T 28 | 8 7 | 6 21 | 0n 9 | 5 14 | 1 14 | 9 2 | 0 20 | 10 27 | 2 42 | 22 24 | 0 20 | 17 47 | 0 12 | 23 22 | 0 4 | 13 10 | 0 3 | 12 3 | 11 11 | 5 33 | 6 14 | 21 20 | 14 17 | 6 45 |
| W29 | 7s44 | 12n 0 | 1n16 | 4s24 | 1s 5 | 9n32 | 0n24 | 10s29 | 2n43 | 22s23 | 0n20 | 17s45 | 0s12 | 23s22 | 0s 4 | 13s 9 | 0s 3 | 12s 3 | 11n11 | 5n33 | 6n13 | 21s17 | 14s16 | 6n45 |

Julian Day Number = 2813896.5, Delta T = 54m01s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°37'42, Lahiri = 37°44'42


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# ASTRODIENST EPHEMERIS for the year 2992
# geocentric

## MARCH 2992 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 39 38 | 11♓ 7'49 | 10♉56 | 23♓12 | 24♈51 | 4♏50 | 12♑42 | 10♒26 | 27♐30 | 25♒ 6 | 25♐ 9 | 14♈11 | 15♈50 | 12♒53 | 25♑43 | T 1 |
| F 2 | 10 43 34 | 12° 8'26 | 23°53 | 24°58 | 25°59 | 4°54 | 12°52 | 10°33 | 27°32 | 25° 8 | 25° 9 | 14°13 | 15°47 | 13° 0 | 25°48 | F 2 |
| S 3 | 10 47 31 | 13° 9'02 | 7♊ 8 | 26°43 | 27° 8 | 4°57 | 13° 1 | 10°39 | 27°33 | 25°10 | 25°10 | 14°R14 | 15°44 | 13° 7 | 25°52 | S 3 |
| S 4 | 10 51 27 | 14° 9'36 | 20°46 | 28°26 | 28°16 | 5° 0 | 13°11 | 10°45 | 27°35 | 25°13 | 25°11 | 14°14 | 15°41 | 13°13 | 25°57 | S 4 |
| M 5 | 10 55 24 | 15°10'08 | 4♋47 | 0♈ 8 | 29°24 | 5° 2 | 13°20 | 10°52 | 27°36 | 25°15 | 25°12 | 14°13 | 15°37 | 13°20 | 26° 2 | M 5 |
| T 6 | 10 59 21 | 16°10'39 | 19°11 | 1°47 | 0♉32 | 5° 3 | 13°30 | 10°58 | 27°38 | 25°17 | 25°13 | 14°10 | 15°34 | 13°27 | 26° 6 | T 6 |
| W 7 | 11 3 17 | 17°11'07 | 3♌54 | 3°22 | 1°39 | 5°R 4 | 13°39 | 11° 4 | 27°39 | 25°19 | 25°13 | 14° 6 | 15°31 | 13°33 | 26°11 | W 7 |
| T 8 | 11 7 14 | 18°11'34 | 18°52 | 4°54 | 2°46 | 5° 3 | 13°48 | 11°10 | 27°40 | 25°21 | 25°14 | 14° 3 | 15°28 | 13°40 | 26°15 | T 8 |
| F 9 | 11 11 10 | 19°11'59 | 3♍55 | 6°22 | 3°54 | 5° 2 | 13°58 | 11°17 | 27°41 | 25°23 | 25°15 | 13°59 | 15°25 | 13°47 | 26°20 | F 9 |
| S 10 | 11 15 7 | 20°12'23 | 18°56 | 7°45 | 5° 0 | 5° 1 | 14° 6 | 11°23 | 27°43 | 25°25 | 25°15 | 13°56 | 15°22 | 13°54 | 26°24 | S 10 |
| S 11 | 11 19 3 | 21°12'44 | 3♎44 | 9° 2 | 6° 7 | 4°58 | 14°15 | 11°29 | 27°44 | 25°28 | 25°16 | 13°55 | 15°18 | 14° 0 | 26°28 | S 11 |
| M12 | 11 23 0 | 22°13'05 | 18°13 | 10°13 | 7°14 | 4°55 | 14°24 | 11°35 | 27°45 | 25°30 | 25°16 | 13°D55 | 15°15 | 14° 7 | 26°33 | M12 |
| T 13 | 11 26 56 | 23°13'23 | 2♏18 | 11°17 | 8°20 | 4°51 | 14°33 | 11°41 | 27°46 | 25°32 | 25°17 | 13°56 | 15°12 | 14°14 | 26°37 | T 13 |
| W14 | 11 30 53 | 24°13'41 | 15°56 | 12°14 | 9°26 | 4°46 | 14°41 | 11°47 | 27°47 | 25°34 | 25°17 | 13°57 | 15° 9 | 14°20 | 26°41 | W14 |
| T 15 | 11 34 50 | 25°13'57 | 29° 9 | 13° 3 | 10°31 | 4°41 | 14°49 | 11°52 | 27°48 | 25°36 | 25°18 | 13°58 | 15° 6 | 14°27 | 26°45 | T 15 |
| F 16 | 11 38 46 | 26°14'11 | 11♐57 | 13°44 | 11°37 | 4°35 | 14°58 | 11°58 | 27°49 | 25°38 | 25°18 | 14° 0 | 15° 2 | 14°34 | 26°49 | F 16 |
| S 17 | 11 42 43 | 27°14'25 | 24°24 | 14°16 | 12°42 | 4°28 | 15° 6 | 12° 4 | 27°50 | 25°40 | 25°19 | 14°R 0 | 14°59 | 14°41 | 26°53 | S 17 |
| S 18 | 11 46 39 | 28°14'36 | 6♑36 | 14°38 | 13°47 | 4°20 | 15°14 | 12°10 | 27°50 | 25°42 | 25°19 | 14° 0 | 14°56 | 14°47 | 26°57 | S 18 |
| M19 | 11 50 36 | 29°14'47 | 18°36 | 14°52 | 14°52 | 4°11 | 15°22 | 12°15 | 27°51 | 25°44 | 25°19 | 13°59 | 14°53 | 14°54 | 27° 1 | M19 |
| T 20 | 11 54 32 | 0♈14'56 | 0♒29 | 14°R56 | 15°56 | 4° 2 | 15°29 | 12°21 | 27°52 | 25°46 | 25°20 | 13°58 | 14°50 | 15° 1 | 27° 4 | T 20 |
| W21 | 11 58 29 | 1°15'03 | 12°20 | 14°50 | 17° 0 | 3°52 | 15°37 | 12°26 | 27°52 | 25°48 | 25°20 | 13°56 | 14°47 | 15° 7 | 27° 8 | W21 |
| T 22 | 12 2 25 | 2°15'08 | 24°11 | 14°36 | 18° 4 | 3°41 | 15°44 | 12°32 | 27°53 | 25°50 | 25°20 | 13°54 | 14°43 | 15°14 | 27°12 | T 22 |
| F 23 | 12 6 22 | 3°15'12 | 6♓ 6 | 14°13 | 19° 8 | 3°29 | 15°52 | 12°37 | 27°53 | 25°52 | 25°20 | 13°52 | 14°40 | 15°21 | 27°15 | F 23 |
| S 24 | 12 10 19 | 4°15'14 | 18° 8 | 13°42 | 20°11 | 3°16 | 15°59 | 12°42 | 27°54 | 25°54 | 25°20 | 13°51 | 14°37 | 15°27 | 27°18 | S 24 |
| S 25 | 12 14 15 | 5°15'15 | 0♈18 | 13° 4 | 21°14 | 3° 3 | 16° 6 | 12°48 | 27°54 | 25°55 | 25°20 | 13°50 | 14°34 | 15°34 | 27°22 | S 25 |
| M26 | 12 18 12 | 6°15'13 | 12°39 | 12°20 | 22°16 | 2°49 | 16°12 | 12°53 | 27°55 | 25°57 | 25°20 | 13°D50 | 14°31 | 15°41 | 27°25 | M26 |
| T 27 | 12 22 8 | 7°15'10 | 25°11 | 11°31 | 23°18 | 2°35 | 16°19 | 12°58 | 27°55 | 25°59 | 25°R21 | 13°50 | 14°27 | 15°48 | 27°28 | T 27 |
| W28 | 12 26 5 | 8°15'05 | 7♉56 | 10°38 | 24°20 | 2°19 | 16°26 | 13° 3 | 27°55 | 26° 1 | 25°21 | 13°50 | 14°24 | 15°54 | 27°31 | W28 |
| T 29 | 12 30 1 | 9°14'57 | 20°54 | 9°42 | 25°21 | 2° 3 | 16°32 | 13° 8 | 27°55 | 26° 3 | 25°20 | 13°51 | 14°21 | 16° 1 | 27°35 | T 29 |
| F 30 | 12 33 58 | 10°14'48 | 4♊ 6 | 8°45 | 26°22 | 1°46 | 16°38 | 13°13 | 27°56 | 26° 5 | 25°20 | 13°51 | 14°18 | 16° 8 | 27°38 | F 30 |
| S 31 | 12 37 54 | 11♈14'37 | 17♊32 | 7♈47 | 27♉23 | 1♏29 | 16♑44 | 13♒18 | 27♐56 | 26♒ 6 | 25♐20 | 13♈52 | 14♈15 | 16♒14 | 27♑40 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7s21 | 17n16 | 2n21 | 3s33 | 0s57 | 10n 1 | 0n29 | 10s30 | 2n43 | 22s22 | 0n20 | 17s44 | 0s12 | 23s22 | 0s 4 | 13s 8 | 0s 3 | 12s 3 | 11n11 | 5n34 | 6n12 | 21s15 | 14s14 | 6n46 |
| F 2 | 6 58 | 21 53 | 3 20 | 2 43 | 0 47 | 10 30 | 0 33 | 10 31 | 2 44 | 22 22 | 0 20 | 17 42 | 0 13 | 23 22 | 0 4 | 13 7 | 0 3 | 12 2 | 11 12 | 5 35 | 6 11 | 21 13 | 14 13 | 6 46 |
| S 3 | 6 35 | 25 30 | 4 10 | 1 52 | 0 37 | 10 59 | 0 38 | 10 31 | 2 44 | 22 21 | 0 20 | 17 41 | 0 13 | 23 22 | 0 4 | 13 7 | 0 3 | 12 2 | 11 12 | 5 35 | 6 10 | 21 10 | 14 12 | 6 47 |
| S 4 | 6 12 | 27 46 | 4 47 | 1 1 | 0 26 | 11 28 | 0 42 | 10 32 | 2 45 | 22 20 | 0 20 | 17 39 | 0 13 | 23 22 | 0 4 | 13 6 | 0 3 | 12 2 | 11 12 | 5 35 | 6 8 | 21 8 | 14 11 | 6 47 |
| M 5 | 5 49 | 28 22 | 5 9 | 0 10 | 0 15 | 11 56 | 0 47 | 10 32 | 2 45 | 22 19 | 0 20 | 17 37 | 0 13 | 23 22 | 0 4 | 13 5 | 0 3 | 12 2 | 11 12 | 5 34 | 6 7 | 21 6 | 14 9 | 6 47 |
| T 6 | 5 26 | 27 6 | 5 12 | 0n40 | 0 3 | 12 24 | 0 52 | 10 32 | 2 46 | 22 18 | 0 20 | 17 36 | 0 13 | 23 22 | 0 4 | 13 5 | 0 3 | 12 1 | 11 13 | 5 33 | 6 6 | 21 3 | 14 8 | 6 48 |
| W 7 | 5 2 | 23 57 | 4 55 | 1 29 | 0n10 | 12 52 | 0 57 | 10 32 | 2 46 | 22 17 | 0 20 | 17 34 | 0 13 | 23 22 | 0 4 | 13 4 | 0 3 | 12 1 | 11 13 | 5 32 | 6 5 | 21 1 | 14 7 | 6 48 |
| T 8 | 4 39 | 19 10 | 4 18 | 2 18 | 0 23 | 13 20 | 1 1 | 10 31 | 2 46 | 22 16 | 0 20 | 17 32 | 0 13 | 23 22 | 0 4 | 13 3 | 0 3 | 12 1 | 11 13 | 5 31 | 6 3 | 20 59 | 14 5 | 6 49 |
| F 9 | 4 15 | 13 10 | 3 22 | 3 5 | 0 37 | 13 47 | 1 6 | 10 31 | 2 47 | 22 15 | 0 20 | 17 31 | 0 13 | 23 22 | 0 4 | 13 2 | 0 3 | 12 1 | 11 14 | 5 29 | 6 2 | 20 56 | 14 4 | 6 49 |
| S 10 | 3 52 | 6 24 | 2 13 | 3 50 | 0 51 | 14 14 | 1 11 | 10 30 | 2 47 | 22 14 | 0 20 | 17 29 | 0 13 | 23 22 | 0 4 | 13 2 | 0 3 | 12 0 | 11 14 | 5 28 | 6 1 | 20 54 | 14 3 | 6 50 |
| S 11 | 3 28 | 0s37 | 0 56 | 4 33 | 1 5 | 14 41 | 1 16 | 10 29 | 2 47 | 22 14 | 0 20 | 17 28 | 0 13 | 23 22 | 0 4 | 13 1 | 0 3 | 12 0 | 11 14 | 5 28 | 6 0 | 20 52 | 14 2 | 6 50 |
| M12 | 3 4 | 7 28 | 0s24 | 5 14 | 1 19 | 15 7 | 1 21 | 10 27 | 2 48 | 22 13 | 0 20 | 17 26 | 0 13 | 23 22 | 0 4 | 13 0 | 0 3 | 12 0 | 11 14 | 5 28 | 5 59 | 20 49 | 14 1 | 6 51 |
| T 13 | 2 41 | 13 46 | 1 40 | 5 53 | 1 33 | 15 34 | 1 26 | 10 26 | 2 48 | 22 12 | 0 20 | 17 25 | 0 13 | 23 22 | 0 4 | 13 0 | 0 3 | 11 59 | 11 15 | 5 28 | 5 57 | 20 47 | 13 59 | 6 51 |
| W14 | 2 17 | 19 12 | 2 48 | 6 28 | 1 48 | 15 59 | 1 31 | 10 24 | 2 48 | 22 11 | 0 20 | 17 23 | 0 14 | 23 22 | 0 4 | 12 59 | 0 3 | 11 59 | 11 15 | 5 28 | 5 56 | 20 44 | 13 58 | 6 52 |
| T 15 | 1 53 | 23 30 | 3 44 | 7 0 | 2 2 | 16 25 | 1 35 | 10 22 | 2 48 | 22 10 | 0 20 | 17 21 | 0 14 | 23 22 | 0 4 | 12 58 | 0 3 | 11 59 | 11 15 | 5 29 | 5 55 | 20 42 | 13 57 | 6 52 |
| F 16 | 1 29 | 26 32 | 4 28 | 7 28 | 2 16 | 16 50 | 1 40 | 10 20 | 2 48 | 22 9 | 0 20 | 17 20 | 0 14 | 23 22 | 0 4 | 12 58 | 0 3 | 11 59 | 11 16 | 5 29 | 5 54 | 20 40 | 13 56 | 6 53 |
| S 17 | 1 6 | 28 9 | 4 58 | 7 53 | 2 29 | 17 15 | 1 45 | 10 18 | 2 48 | 22 8 | 0 20 | 17 18 | 0 14 | 23 22 | 0 4 | 12 57 | 0 3 | 11 58 | 11 16 | 5 30 | 5 52 | 20 37 | 13 54 | 6 53 |
| S 18 | 0 42 | 28 22 | 5 13 | 8 13 | 2 41 | 17 39 | 1 50 | 10 15 | 2 48 | 22 7 | 0 20 | 17 17 | 0 14 | 23 22 | 0 4 | 12 56 | 0 3 | 11 58 | 11 16 | 5 30 | 5 51 | 20 35 | 13 53 | 6 54 |
| M19 | 0 18 | 27 14 | 5 15 | 8 29 | 2 52 | 18 3 | 1 55 | 10 12 | 2 48 | 22 7 | 0 20 | 17 15 | 0 14 | 23 22 | 0 5 | 12 56 | 0 3 | 11 58 | 11 17 | 5 29 | 5 50 | 20 32 | 13 52 | 6 54 |
| T 20 | 0n 6 | 24 52 | 5 3 | 8 40 | 3 3 | 18 27 | 2 0 | 10 9 | 2 48 | 22 6 | 0 19 | 17 14 | 0 14 | 23 22 | 0 5 | 12 55 | 0 3 | 11 57 | 11 17 | 5 29 | 5 49 | 20 30 | 13 51 | 6 55 |
| W21 | 0 30 | 21 28 | 4 38 | 8 46 | 3 12 | 18 50 | 2 5 | 10 6 | 2 48 | 22 5 | 0 19 | 17 13 | 0 14 | 23 22 | 0 5 | 12 54 | 0 3 | 11 57 | 11 17 | 5 28 | 5 48 | 20 28 | 13 49 | 6 55 |
| T 22 | 0 53 | 17 11 | 4 1 | 8 48 | 3 20 | 19 13 | 2 10 | 10 2 | 2 48 | 22 4 | 0 19 | 17 11 | 0 14 | 23 22 | 0 5 | 12 54 | 0 3 | 11 57 | 11 17 | 5 27 | 5 46 | 20 25 | 13 48 | 6 56 |
| F 23 | 1 17 | 12 14 | 3 14 | 8 44 | 3 26 | 19 35 | 2 15 | 9 59 | 2 48 | 22 3 | 0 19 | 17 10 | 0 14 | 23 22 | 0 5 | 12 53 | 0 3 | 11 57 | 11 18 | 5 27 | 5 45 | 20 23 | 13 47 | 6 56 |
| S 24 | 1 41 | 6 47 | 2 18 | 8 36 | 3 30 | 19 57 | 2 20 | 9 55 | 2 48 | 22 3 | 0 19 | 17 8 | 0 14 | 23 22 | 0 5 | 12 52 | 0 3 | 11 56 | 11 18 | 5 26 | 5 44 | 20 20 | 13 46 | 6 57 |
| S 25 | 2 5 | 1 1 | 1 14 | 8 24 | 3 32 | 20 18 | 2 25 | 9 50 | 2 47 | 22 2 | 0 19 | 17 7 | 0 15 | 23 22 | 0 5 | 12 52 | 0 3 | 11 56 | 11 18 | 5 26 | 5 43 | 20 18 | 13 45 | 6 58 |
| M26 | 2 28 | 4n52 | 0 7 | 8 7 | 3 33 | 20 39 | 2 30 | 9 46 | 2 47 | 22 1 | 0 19 | 17 6 | 0 15 | 23 22 | 0 5 | 12 51 | 0 3 | 11 56 | 11 19 | 5 26 | 5 41 | 20 15 | 13 44 | 6 58 |
| T 27 | 2 52 | 10 40 | 1n 3 | 7 46 | 3 31 | 21 0 | 2 35 | 9 42 | 2 47 | 22 0 | 0 19 | 17 4 | 0 15 | 23 22 | 0 5 | 12 51 | 0 3 | 11 55 | 11 19 | 5 26 | 5 40 | 20 13 | 13 42 | 6 59 |
| W28 | 3 15 | 16 8 | 2 10 | 7 22 | 3 27 | 21 20 | 2 40 | 9 37 | 2 46 | 22 0 | 0 19 | 17 3 | 0 15 | 23 22 | 0 5 | 12 50 | 0 3 | 11 55 | 11 19 | 5 26 | 5 39 | 20 11 | 13 41 | 6 59 |
| T 29 | 3 39 | 20 58 | 3 11 | 6 55 | 3 22 | 21 40 | 2 45 | 9 32 | 2 45 | 21 59 | 0 19 | 17 1 | 0 15 | 23 22 | 0 5 | 12 49 | 0 3 | 11 55 | 11 19 | 5 26 | 5 38 | 20 8 | 13 40 | 7 0 |
| F 30 | 4 2 | 24 51 | 4 4 | 6 26 | 3 14 | 21 59 | 2 50 | 9 27 | 2 45 | 21 58 | 0 19 | 17 0 | 0 15 | 23 22 | 0 5 | 12 49 | 0 3 | 11 55 | 11 20 | 5 26 | 5 37 | 20 6 | 13 39 | 7 0 |
| S 31 | 4n26 | 27n27 | 4n44 | 5n55 | 3n 5 | 22n18 | 2n54 | 9s21 | 2n44 | 21s57 | 0n19 | 16s59 | 0s15 | 23s23 | 0s 5 | 12s48 | 0s 3 | 11s54 | 11n20 | 5n26 | 5n35 | 20s 3 | 13s38 | 7n 1 |

Julian Day Number = 2813925.5, Delta T = 54m01s
Ecliptic obliquity = 23°18'48, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°37'46, Lahiri = 37°44'46


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# ASTRODIENST EPHEMERIS for the year 2992
# geocentric

## APRIL 2992 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 41 51 | 12♈14'23 | 1♋14 | 6°R51 | 28♉23 | 1°R11 | 16♑50 | 13♒22 | 27°R56 | 26♒ 8 | 25°R20 | 13♈52 | 14♈12 | 16♒21 | 27♑43 | S 1 |
| M 2 | 12 45 47 | 13°14'08 | 15°10 | 5♈57 | 29°23 | 0♏52 | 16°56 | 13°27 | 27♐56 | 26°10 | 25♐20 | 13°52 | 14° 8 | 16°28 | 27°46 | M 2 |
| T 3 | 12 49 44 | 14°13'50 | 29°21 | 5° 7 | 0♊23 | 0°33 | 17° 2 | 13°32 | 27°56 | 26°11 | 25°20 | 13°52 | 14° 5 | 16°34 | 27°49 | T 3 |
| W 4 | 12 53 41 | 15°13'29 | 13♌43 | 4°20 | 1°21 | 0°14 | 17° 7 | 13°36 | 27°55 | 26°13 | 25°20 | 13°52 | 14° 2 | 16°41 | 27°51 | W 4 |
| T 5 | 12 57 37 | 16°13'07 | 28°15 | 3°38 | 2°20 | 29♎53 | 17°12 | 13°41 | 27°55 | 26°15 | 25°19 | 13°52 | 13°59 | 16°48 | 27°54 | T 5 |
| F 6 | 13 1 34 | 17°12'42 | 12♍51 | 3° 2 | 3°18 | 29°33 | 17°18 | 13°45 | 27°55 | 26°16 | 25°19 | 13°52 | 13°56 | 16°55 | 27°56 | F 6 |
| S 7 | 13 5 30 | 18°12'15 | 27°26 | 2°30 | 4°15 | 29°12 | 17°23 | 13°50 | 27°55 | 26°18 | 25°19 | 13°53 | 13°53 | 17° 1 | 27°59 | S 7 |
| S 8 | 13 9 27 | 19°11'46 | 11♎55 | 2° 5 | 5°12 | 28°50 | 17°27 | 13°54 | 27°54 | 26°19 | 25°18 | 13°R53 | 13°49 | 17° 8 | 28° 1 | S 8 |
| M 9 | 13 13 23 | 20°11'14 | 26°10 | 1°46 | 6° 9 | 28°28 | 17°32 | 13°58 | 27°54 | 26°21 | 25°18 | 13°53 | 13°46 | 17°15 | 28° 3 | M 9 |
| T 10 | 13 17 20 | 21°10'41 | 10♏ 7 | 1°33 | 7° 4 | 28° 6 | 17°36 | 14° 2 | 27°53 | 26°22 | 25°17 | 13°52 | 13°43 | 17°21 | 28° 5 | T 10 |
| W11 | 13 21 16 | 22°10'07 | 23°44 | 1°26 | 8° 0 | 27°44 | 17°41 | 14° 6 | 27°53 | 26°24 | 25°17 | 13°51 | 13°40 | 17°28 | 28° 8 | W11 |
| T 12 | 13 25 13 | 23° 9'30 | 6♐58 | 1°D24 | 8°54 | 27°21 | 17°45 | 14°10 | 27°52 | 26°25 | 25°16 | 13°50 | 13°37 | 17°35 | 28°10 | T 12 |
| F 13 | 13 29 10 | 24° 8'51 | 19°51 | 1°29 | 9°48 | 26°58 | 17°49 | 14°14 | 27°52 | 26°27 | 25°16 | 13°49 | 13°33 | 17°41 | 28°11 | F 13 |
| S 14 | 13 33 6 | 25° 8'11 | 2♑23 | 1°38 | 10°42 | 26°35 | 17°53 | 14°18 | 27°51 | 26°28 | 25°15 | 13°48 | 13°30 | 17°48 | 28°13 | S 14 |
| S 15 | 13 37 3 | 26° 7'29 | 14°38 | 1°53 | 11°35 | 26°12 | 17°56 | 14°22 | 27°51 | 26°30 | 25°15 | 13°47 | 13°27 | 17°55 | 28°15 | S 15 |
| M16 | 13 40 59 | 27° 6'46 | 26°41 | 2°13 | 12°27 | 25°49 | 18° 0 | 14°25 | 27°50 | 26°31 | 25°14 | 13°D46 | 13°24 | 18° 2 | 28°17 | M16 |
| T 17 | 13 44 56 | 28° 6'00 | 8♒35 | 2°38 | 13°18 | 25°25 | 18° 3 | 14°29 | 27°49 | 26°32 | 25°13 | 13°47 | 13°21 | 18° 8 | 28°18 | T 17 |
| W18 | 13 48 52 | 29° 5'13 | 20°26 | 3° 7 | 14° 9 | 25° 2 | 18° 6 | 14°32 | 27°48 | 26°34 | 25°13 | 13°48 | 13°18 | 18°15 | 28°20 | W18 |
| T 19 | 13 52 49 | 0♉ 4'24 | 2♓18 | 3°41 | 14°59 | 24°39 | 18° 9 | 14°36 | 27°47 | 26°35 | 25°12 | 13°49 | 13°14 | 18°22 | 28°21 | T 19 |
| F 20 | 13 56 45 | 1° 3'33 | 14°16 | 4°19 | 15°48 | 24°16 | 18°12 | 14°39 | 27°46 | 26°36 | 25°11 | 13°50 | 13°11 | 18°28 | 28°22 | F 20 |
| S 21 | 14 0 42 | 2° 2'41 | 26°24 | 5° 0 | 16°36 | 23°52 | 18°14 | 14°42 | 27°45 | 26°37 | 25°11 | 13°52 | 13° 8 | 18°35 | 28°24 | S 21 |
| S 22 | 14 4 39 | 3° 1'46 | 8♈43 | 5°46 | 17°23 | 23°30 | 18°16 | 14°45 | 27°44 | 26°39 | 25°10 | 13°R52 | 13° 5 | 18°42 | 28°25 | S 22 |
| M23 | 14 8 35 | 4° 0'50 | 21°18 | 6°34 | 18°10 | 23° 7 | 18°19 | 14°48 | 27°43 | 26°40 | 25° 9 | 13°52 | 13° 2 | 18°48 | 28°26 | M23 |
| T 24 | 14 12 32 | 4°59'52 | 4♉ 9 | 7°26 | 18°56 | 22°45 | 18°21 | 14°51 | 27°42 | 26°41 | 25° 8 | 13°51 | 12°59 | 18°55 | 28°27 | T 24 |
| W25 | 14 16 28 | 5°58'52 | 17°16 | 8°21 | 19°41 | 22°23 | 18°22 | 14°54 | 27°41 | 26°42 | 25° 7 | 13°49 | 12°55 | 19° 2 | 28°28 | W25 |
| T 26 | 14 20 25 | 6°57'50 | 0♊39 | 9°19 | 20°24 | 22° 1 | 18°24 | 14°57 | 27°40 | 26°43 | 25° 6 | 13°46 | 12°52 | 19° 8 | 28°29 | T 26 |
| F 27 | 14 24 21 | 7°56'46 | 14°15 | 10°20 | 21° 7 | 21°40 | 18°25 | 14°59 | 27°38 | 26°44 | 25° 5 | 13°42 | 12°49 | 19°15 | 28°29 | F 27 |
| S 28 | 14 28 18 | 8°55'40 | 28° 4 | 11°24 | 21°49 | 21°19 | 18°27 | 15° 2 | 27°37 | 26°45 | 25° 4 | 13°39 | 12°46 | 19°22 | 28°30 | S 28 |
| S 29 | 14 32 14 | 9°54'31 | 12♋ 1 | 12°30 | 22°29 | 20°59 | 18°28 | 15° 4 | 27°36 | 26°46 | 25° 3 | 13°36 | 12°43 | 19°29 | 28°31 | S 29 |
| M30 | 14 36 11 | 10♉53'21 | 26♋ 6 | 13♈38 | 23♊ 9 | 20♎39 | 18♑29 | 15♒ 7 | 27♐34 | 26♒47 | 25♐ 2 | 13♈34 | 12♈39 | 19♒35 | 28♑31 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n49 | 28n28 | 5n10 | 5n23 | 2n55 | 22n37 | 2n59 | 9s16 | 2n43 | 21s57 | 0n19 | 16s58 | 0s15 | 23s23 | 0s 5 | 12s48 | 0s 3 | 11s54 | 11n20 | 5n26 | 5n34 | 20s 1 | 13s37 | 7n 2 |
| M 2 | 5 12 | 27 42 | 5 17 | 4 51 | 2 42 | 22 54 | 3 4 | 9 10 | 2 43 | 21 56 | 0 19 | 16 56 | 0 15 | 23 23 | 0 5 | 12 47 | 0 3 | 11 54 | 11 21 | 5 26 | 5 33 | 19 58 | 13 36 | 7 2 |
| T 3 | 5 35 | 25 10 | 5 6 | 4 18 | 2 29 | 23 12 | 3 9 | 9 5 | 2 42 | 21 55 | 0 19 | 16 55 | 0 15 | 23 23 | 0 5 | 12 47 | 0 3 | 11 53 | 11 21 | 5 26 | 5 32 | 19 56 | 13 35 | 7 3 |
| W 4 | 5 58 | 21 1 | 4 35 | 3 47 | 2 15 | 23 29 | 3 13 | 8 59 | 2 41 | 21 55 | 0 19 | 16 54 | 0 15 | 23 23 | 0 5 | 12 46 | 0 4 | 11 53 | 11 21 | 5 26 | 5 30 | 19 53 | 13 33 | 7 3 |
| T 5 | 6 21 | 15 34 | 3 47 | 3 17 | 2 0 | 23 45 | 3 18 | 8 53 | 2 40 | 21 54 | 0 19 | 16 53 | 0 16 | 23 23 | 0 5 | 12 46 | 0 4 | 11 53 | 11 21 | 5 27 | 5 29 | 19 51 | 13 32 | 7 4 |
| F 6 | 6 44 | 9 13 | 2 44 | 2 48 | 1 45 | 24 1 | 3 22 | 8 47 | 2 39 | 21 54 | 0 19 | 16 52 | 0 16 | 23 23 | 0 5 | 12 45 | 0 4 | 11 53 | 11 22 | 5 27 | 5 28 | 19 48 | 13 31 | 7 5 |
| S 7 | 7 6 | 2 23 | 1 30 | 2 22 | 1 30 | 24 16 | 3 27 | 8 40 | 2 38 | 21 53 | 0 19 | 16 50 | 0 16 | 23 23 | 0 5 | 12 44 | 0 4 | 11 52 | 11 22 | 5 27 | 5 27 | 19 46 | 13 30 | 7 5 |
| S 8 | 7 29 | 4s31 | 0 11 | 1 57 | 1 14 | 24 31 | 3 31 | 8 34 | 2 36 | 21 52 | 0 19 | 16 49 | 0 16 | 23 23 | 0 5 | 12 44 | 0 4 | 11 52 | 11 22 | 5 27 | 5 26 | 19 43 | 13 29 | 7 6 |
| M 9 | 7 51 | 11 6 | 1s 8 | 1 35 | 0 58 | 24 46 | 3 36 | 8 27 | 2 35 | 21 52 | 0 19 | 16 48 | 0 16 | 23 23 | 0 5 | 12 43 | 0 4 | 11 52 | 11 23 | 5 27 | 5 24 | 19 41 | 13 28 | 7 6 |
| T 10 | 8 13 | 17 0 | 2 20 | 1 16 | 0 43 | 25 0 | 3 40 | 8 21 | 2 34 | 21 51 | 0 19 | 16 47 | 0 16 | 23 23 | 0 5 | 12 43 | 0 4 | 11 51 | 11 23 | 5 27 | 5 23 | 19 38 | 13 27 | 7 7 |
| W11 | 8 35 | 21 53 | 3 23 | 0 59 | 0 27 | 25 13 | 3 44 | 8 14 | 2 32 | 21 51 | 0 18 | 16 46 | 0 16 | 23 23 | 0 5 | 12 42 | 0 4 | 11 51 | 11 23 | 5 26 | 5 22 | 19 36 | 13 26 | 7 8 |
| T 12 | 8 57 | 25 31 | 4 14 | 0 45 | 0 13 | 25 26 | 3 48 | 8 8 | 2 31 | 21 50 | 0 18 | 16 45 | 0 16 | 23 23 | 0 5 | 12 42 | 0 4 | 11 51 | 11 23 | 5 26 | 5 21 | 19 33 | 13 25 | 7 8 |
| F 13 | 9 19 | 27 44 | 4 49 | 0 33 | 0s 2 | 25 38 | 3 52 | 8 1 | 2 29 | 21 50 | 0 18 | 16 44 | 0 16 | 23 23 | 0 5 | 12 41 | 0 4 | 11 51 | 11 24 | 5 25 | 5 19 | 19 30 | 13 24 | 7 9 |
| S 14 | 9 41 | 28 28 | 5 10 | 0 24 | 0 16 | 25 50 | 3 56 | 7 54 | 2 28 | 21 49 | 0 18 | 16 43 | 0 16 | 23 23 | 0 5 | 12 41 | 0 4 | 11 50 | 11 24 | 5 25 | 5 18 | 19 28 | 13 23 | 7 10 |
| S 15 | 10 2 | 27 45 | 5 16 | 0 18 | 0 29 | 26 1 | 4 0 | 7 48 | 2 26 | 21 49 | 0 18 | 16 42 | 0 17 | 23 23 | 0 5 | 12 41 | 0 4 | 11 50 | 11 24 | 5 25 | 5 17 | 19 25 | 13 22 | 7 10 |
| M16 | 10 23 | 25 45 | 5 8 | 0 14 | 0 42 | 26 12 | 4 4 | 7 41 | 2 24 | 21 49 | 0 18 | 16 41 | 0 17 | 23 23 | 0 5 | 12 40 | 0 4 | 11 50 | 11 24 | 5 24 | 5 16 | 19 23 | 13 21 | 7 11 |
| T 17 | 10 45 | 22 38 | 4 47 | 0 13 | 0 54 | 26 22 | 4 8 | 7 34 | 2 22 | 21 48 | 0 18 | 16 40 | 0 17 | 23 23 | 0 5 | 12 40 | 0 4 | 11 49 | 11 25 | 5 24 | 5 14 | 19 20 | 13 20 | 7 11 |
| W18 | 11 6 | 18 37 | 4 14 | 0 14 | 1 6 | 26 32 | 4 11 | 7 28 | 2 20 | 21 48 | 0 18 | 16 39 | 0 17 | 23 23 | 0 5 | 12 39 | 0 4 | 11 49 | 11 25 | 5 25 | 5 13 | 19 18 | 13 20 | 7 12 |
| T 19 | 11 26 | 13 52 | 3 30 | 0 17 | 1 17 | 26 42 | 4 15 | 7 21 | 2 18 | 21 47 | 0 18 | 16 38 | 0 17 | 23 23 | 0 5 | 12 39 | 0 4 | 11 49 | 11 25 | 5 25 | 5 12 | 19 15 | 13 19 | 7 13 |
| F 20 | 11 47 | 8 34 | 2 36 | 0 22 | 1 27 | 26 50 | 4 18 | 7 14 | 2 16 | 21 47 | 0 18 | 16 37 | 0 17 | 23 23 | 0 5 | 12 38 | 0 4 | 11 49 | 11 25 | 5 26 | 5 11 | 19 12 | 13 18 | 7 13 |
| S 21 | 12 7 | 2 53 | 1 35 | 0 30 | 1 37 | 26 59 | 4 21 | 7 8 | 2 14 | 21 47 | 0 18 | 16 37 | 0 17 | 23 23 | 0 5 | 12 38 | 0 4 | 11 48 | 11 26 | 5 26 | 5 10 | 19 10 | 13 17 | 7 14 |
| S 22 | 12 27 | 3n 0 | 0 28 | 0 39 | 1 46 | 27 6 | 4 24 | 7 2 | 2 12 | 21 47 | 0 18 | 16 36 | 0 17 | 23 23 | 0 5 | 12 38 | 0 4 | 11 48 | 11 26 | 5 27 | 5 8 | 19 7 | 13 16 | 7 15 |
| M23 | 12 47 | 8 54 | 0n41 | 0 51 | 1 54 | 27 14 | 4 27 | 6 55 | 2 10 | 21 46 | 0 18 | 16 35 | 0 17 | 23 23 | 0 5 | 12 37 | 0 4 | 11 48 | 11 26 | 5 27 | 5 7 | 19 5 | 13 15 | 7 15 |
| T 24 | 13 7 | 14 33 | 1 49 | 1 4 | 2 2 | 27 21 | 4 30 | 6 49 | 2 8 | 21 46 | 0 18 | 16 34 | 0 17 | 23 23 | 0 5 | 12 37 | 0 4 | 11 48 | 11 26 | 5 26 | 5 6 | 19 2 | 13 14 | 7 16 |
| W25 | 13 27 | 19 40 | 2 54 | 1 19 | 2 9 | 27 27 | 4 33 | 6 43 | 2 6 | 21 46 | 0 18 | 16 34 | 0 18 | 23 23 | 0 5 | 12 37 | 0 4 | 11 47 | 11 26 | 5 25 | 5 5 | 19 0 | 13 14 | 7 17 |
| T 26 | 13 46 | 23 55 | 3 49 | 1 35 | 2 16 | 27 33 | 4 35 | 6 37 | 2 3 | 21 46 | 0 18 | 16 33 | 0 18 | 23 23 | 0 5 | 12 36 | 0 4 | 11 47 | 11 27 | 5 24 | 5 3 | 18 57 | 13 13 | 7 17 |
| F 27 | 14 5 | 26 55 | 4 33 | 1 54 | 2 22 | 27 38 | 4 38 | 6 32 | 2 1 | 21 46 | 0 18 | 16 32 | 0 18 | 23 23 | 0 5 | 12 36 | 0 4 | 11 47 | 11 27 | 5 23 | 5 2 | 18 54 | 13 12 | 7 18 |
| S 28 | 14 24 | 28 20 | 5 2 | 2 13 | 2 27 | 27 43 | 4 40 | 6 26 | 1 59 | 21 46 | 0 18 | 16 32 | 0 18 | 23 23 | 0 5 | 12 36 | 0 4 | 11 47 | 11 27 | 5 21 | 5 1 | 18 52 | 13 11 | 7 19 |
| S 29 | 14 43 | 27 58 | 5 13 | 2 35 | 2 32 | 27 48 | 4 42 | 6 21 | 1 56 | 21 46 | 0 18 | 16 31 | 0 18 | 23 23 | 0 5 | 12 35 | 0 4 | 11 47 | 11 27 | 5 20 | 5 0 | 18 49 | 13 11 | 7 19 |
| M30 | 15n 1 | 25n50 | 5n 6 | 2n57 | 2s36 | 27n52 | 4n44 | 6s16 | 1n54 | 21s45 | 0n17 | 16s30 | 0s18 | 23s23 | 0s 5 | 12s35 | 0s 4 | 11s46 | 11n27 | 5n20 | 4n58 | 18s46 | 13s10 | 7n20 |

Julian Day Number = 2813956.5, Delta T = 54m02s
Ecliptic obliquity = 23°18'48, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°37'50, Lahiri = 37°44'50


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# ASTRODIENST EPHEMERIS for the year 2992
# geocentric

## MAY 2992 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 40 8 | 11♉52'08 | 10♌15 | 14♈49 | 23♊47 | 20°R20 | 18♑29 | 15♒ 9 | 27°R33 | 26♒48 | 25°R 1 | 13°D33 | 12♈36 | 19♒42 | 28♑31 | T 1 |
| W 2 | 14 44 4 | 12°50'53 | 24°27 | 16° 2 | 24°24 | 20♎ 1 | 18°30 | 15°11 | 27♐31 | 26°49 | 25♐ 0 | 13♈33 | 12°33 | 19°49 | 28°32 | W 2 |
| T 3 | 14 48 1 | 13°49'35 | 8♍39 | 17°18 | 25° 0 | 19°43 | 18°30 | 15°13 | 27°30 | 26°50 | 24°59 | 13°35 | 12°30 | 19°55 | 28°32 | T 3 |
| F 4 | 14 51 57 | 14°48'15 | 22°50 | 18°35 | 25°34 | 19°26 | 18°R30 | 15°15 | 27°28 | 26°50 | 24°58 | 13°36 | 12°27 | 20° 2 | 28°32 | F 4 |
| S 5 | 14 55 54 | 15°46'54 | 6♎57 | 19°55 | 26° 7 | 19° 9 | 18°30 | 15°17 | 27°27 | 26°51 | 24°57 | 13°R37 | 12°24 | 20° 9 | 28°R32 | S 5 |
| S 6 | 14 59 50 | 16°45'30 | 20°57 | 21°17 | 26°39 | 18°53 | 18°30 | 15°19 | 27°25 | 26°52 | 24°56 | 13°37 | 12°20 | 20°15 | 28°32 | S 6 |
| M 7 | 15 3 47 | 17°44'04 | 4♏48 | 22°40 | 27° 9 | 18°38 | 18°29 | 15°21 | 27°23 | 26°53 | 24°54 | 13°36 | 12°17 | 20°22 | 28°32 | M 7 |
| T 8 | 15 7 43 | 18°42'36 | 18°26 | 24° 6 | 27°38 | 18°23 | 18°29 | 15°23 | 27°22 | 26°53 | 24°53 | 13°32 | 12°14 | 20°29 | 28°32 | T 8 |
| W 9 | 15 11 40 | 19°41'06 | 1♐49 | 25°33 | 28° 4 | 18° 9 | 18°28 | 15°24 | 27°20 | 26°54 | 24°52 | 13°27 | 12°11 | 20°36 | 28°31 | W 9 |
| T 10 | 15 15 37 | 20°39'35 | 14°55 | 27° 3 | 28°30 | 17°56 | 18°27 | 15°26 | 27°18 | 26°55 | 24°51 | 13°21 | 12° 8 | 20°42 | 28°31 | T 10 |
| F 11 | 15 19 33 | 21°38'02 | 27°43 | 28°34 | 28°53 | 17°43 | 18°26 | 15°27 | 27°16 | 26°55 | 24°50 | 13°15 | 12° 5 | 20°49 | 28°31 | F 11 |
| S 12 | 15 23 30 | 22°36'27 | 10♑14 | 0♉ 7 | 29°15 | 17°32 | 18°24 | 15°28 | 27°14 | 26°56 | 24°48 | 13° 8 | 12° 1 | 20°56 | 28°30 | S 12 |
| S 13 | 15 27 26 | 23°34'51 | 22°30 | 1°42 | 29°35 | 17°21 | 18°23 | 15°29 | 27°12 | 26°56 | 24°47 | 13° 3 | 11°58 | 21° 2 | 28°29 | S 13 |
| M14 | 15 31 23 | 24°33'13 | 4♒33 | 3°19 | 29°53 | 17°10 | 18°21 | 15°30 | 27°10 | 26°57 | 24°46 | 12°59 | 11°55 | 21° 9 | 28°29 | M14 |
| T 15 | 15 35 19 | 25°31'34 | 16°28 | 4°57 | 0♋ 9 | 17° 1 | 18°19 | 15°31 | 27° 8 | 26°57 | 24°44 | 12°57 | 11°52 | 21°16 | 28°28 | T 15 |
| W16 | 15 39 16 | 26°29'53 | 28°19 | 6°38 | 0°23 | 16°52 | 18°17 | 15°32 | 27° 6 | 26°58 | 24°43 | 12°D56 | 11°49 | 21°22 | 28°27 | W16 |
| T 17 | 15 43 12 | 27°28'10 | 10♓11 | 8°20 | 0°35 | 16°44 | 18°15 | 15°33 | 27° 4 | 26°58 | 24°42 | 12°57 | 11°45 | 21°29 | 28°26 | T 17 |
| F 18 | 15 47 9 | 28°26'26 | 22°10 | 10° 4 | 0°45 | 16°37 | 18°12 | 15°34 | 27° 2 | 26°58 | 24°40 | 12°59 | 11°42 | 21°36 | 28°25 | F 18 |
| S 19 | 15 51 6 | 29°24'40 | 4♈20 | 11°50 | 0°52 | 16°31 | 18° 9 | 15°34 | 27° 0 | 26°59 | 24°39 | 13° 0 | 11°39 | 21°42 | 28°24 | S 19 |
| S 20 | 15 55 2 | 0♊22'54 | 16°45 | 13°37 | 0°58 | 16°26 | 18° 7 | 15°35 | 26°58 | 26°59 | 24°37 | 13°R 0 | 11°36 | 21°49 | 28°23 | S 20 |
| M21 | 15 58 59 | 1°21'05 | 29°30 | 15°27 | 1° 1 | 16°21 | 18° 4 | 15°35 | 26°56 | 26°59 | 24°36 | 12°59 | 11°33 | 21°56 | 28°22 | M21 |
| T 22 | 16 2 55 | 2°19'15 | 12♉35 | 17°18 | 1°R 1 | 16°17 | 18° 0 | 15°35 | 26°54 | 26°59 | 24°34 | 12°55 | 11°30 | 22° 3 | 28°20 | T 22 |
| W23 | 16 6 52 | 3°17'24 | 26° 2 | 19°12 | 1° 0 | 16°14 | 17°57 | 15°36 | 26°52 | 27° 0 | 24°33 | 12°50 | 11°26 | 22° 9 | 28°19 | W23 |
| T 24 | 16 10 48 | 4°15'31 | 9♊50 | 21° 7 | 0°56 | 16°12 | 17°53 | 15°R36 | 26°50 | 27° 0 | 24°31 | 12°42 | 11°23 | 22°16 | 28°17 | T 24 |
| F 25 | 16 14 45 | 5°13'37 | 23°54 | 23° 4 | 0°49 | 16°10 | 17°50 | 15°36 | 26°47 | 27° 0 | 24°30 | 12°34 | 11°20 | 22°23 | 28°16 | F 25 |
| S 26 | 16 18 42 | 6°11'40 | 8♋10 | 25° 3 | 0°41 | 16°D 9 | 17°46 | 15°35 | 26°45 | 27° 0 | 24°28 | 12°25 | 11°17 | 22°29 | 28°14 | S 26 |
| S 27 | 16 22 38 | 7° 9'43 | 22°32 | 27° 3 | 0°29 | 16° 9 | 17°42 | 15°35 | 26°43 | 27° 0 | 24°27 | 12°18 | 11°14 | 22°36 | 28°12 | S 27 |
| M28 | 16 26 35 | 8° 7'43 | 6♌55 | 29° 5 | 0°16 | 16°10 | 17°38 | 15°35 | 26°40 | 27° 0 | 24°25 | 12°12 | 11°11 | 22°43 | 28°11 | M28 |
| T 29 | 16 30 31 | 9° 5'42 | 21°15 | 1♊ 9 | 29♊59 | 16°12 | 17°33 | 15°35 | 26°38 | 27°R 0 | 24°24 | 12° 9 | 11° 7 | 22°49 | 28° 9 | T 29 |
| W30 | 16 34 28 | 10° 3'38 | 5♍28 | 3°14 | 29°41 | 16°14 | 17°29 | 15°34 | 26°36 | 27° 0 | 24°22 | 12°D 7 | 11° 4 | 22°56 | 28° 7 | W30 |
| T 31 | 16 38 24 | 11♊ 1'33 | 19♍33 | 5♊21 | 29♊20 | 16♎17 | 17♑24 | 15♒33 | 26♐33 | 27♒ 0 | 24♐21 | 12♈ 8 | 11♈ 1 | 23♒ 3 | 28♑ 5 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15n19 | 22n 5 | 4n40 | 3n21 | 2s40 | 27n55 | 4n45 | 6s11 | 1n51 | 21s45 | 0n17 | 16s30 | 0s18 | 23s23 | 0s 5 | 12s35 | 0s 4 | 11s46 | 11n28 | 5n19 | 4n57 | 18s44 | 13s 9 | 7n20 |
| W 2 | 15 37 | 17 2 | 3 57 | 3 46 | 2 43 | 27 58 | 4 47 | 6 6 | 1 49 | 21 45 | 0 17 | 16 29 | 0 18 | 23 23 | 0 5 | 12 34 | 0 4 | 11 46 | 11 28 | 5 19 | 4 56 | 18 41 | 13 8 | 7 21 |
| T 3 | 15 54 | 11 4 | 3 0 | 4 13 | 2 45 | 28 1 | 4 48 | 6 2 | 1 46 | 21 45 | 0 17 | 16 29 | 0 18 | 23 23 | 0 5 | 12 34 | 0 4 | 11 46 | 11 28 | 5 20 | 4 55 | 18 39 | 13 8 | 7 22 |
| F 4 | 16 12 | 4 32 | 1 51 | 4 40 | 2 47 | 28 3 | 4 49 | 5 58 | 1 44 | 21 45 | 0 17 | 16 28 | 0 19 | 23 23 | 0 5 | 12 34 | 0 4 | 11 45 | 11 28 | 5 20 | 4 54 | 18 36 | 13 7 | 7 22 |
| S 5 | 16 29 | 2s11 | 0 36 | 5 9 | 2 48 | 28 5 | 4 50 | 5 54 | 1 41 | 21 46 | 0 17 | 16 28 | 0 19 | 23 22 | 0 5 | 12 34 | 0 4 | 11 45 | 11 28 | 5 21 | 4 52 | 18 33 | 13 6 | 7 23 |
| S 6 | 16 45 | 8 45 | 0s40 | 5 39 | 2 49 | 28 6 | 4 50 | 5 50 | 1 39 | 21 46 | 0 17 | 16 27 | 0 19 | 23 22 | 0 5 | 12 33 | 0 4 | 11 45 | 11 28 | 5 21 | 4 51 | 18 31 | 13 6 | 7 24 |
| M 7 | 17 2 | 14 50 | 1 53 | 6 10 | 2 49 | 28 7 | 4 50 | 5 46 | 1 36 | 21 46 | 0 17 | 16 27 | 0 19 | 23 22 | 0 5 | 12 33 | 0 4 | 11 45 | 11 29 | 5 20 | 4 50 | 18 28 | 13 5 | 7 24 |
| T 8 | 17 18 | 20 5 | 2 58 | 6 41 | 2 48 | 28 8 | 4 50 | 5 43 | 1 34 | 21 46 | 0 17 | 16 27 | 0 19 | 23 22 | 0 5 | 12 33 | 0 4 | 11 45 | 11 29 | 5 19 | 4 49 | 18 25 | 13 5 | 7 25 |
| W 9 | 17 34 | 24 13 | 3 52 | 7 14 | 2 47 | 28 8 | 4 50 | 5 40 | 1 31 | 21 46 | 0 17 | 16 26 | 0 19 | 23 22 | 0 5 | 12 33 | 0 4 | 11 44 | 11 29 | 5 17 | 4 47 | 18 23 | 13 4 | 7 26 |
| T 10 | 17 49 | 26 59 | 4 33 | 7 47 | 2 46 | 28 7 | 4 49 | 5 38 | 1 29 | 21 46 | 0 17 | 16 26 | 0 19 | 23 22 | 0 5 | 12 32 | 0 4 | 11 44 | 11 29 | 5 15 | 4 46 | 18 20 | 13 4 | 7 26 |
| F 11 | 18 5 | 28 16 | 4 59 | 8 21 | 2 44 | 28 7 | 4 48 | 5 35 | 1 26 | 21 47 | 0 17 | 16 26 | 0 19 | 23 22 | 0 5 | 12 32 | 0 4 | 11 44 | 11 29 | 5 12 | 4 45 | 18 17 | 13 3 | 7 27 |
| S 12 | 18 20 | 28 4 | 5 9 | 8 56 | 2 41 | 28 6 | 4 47 | 5 33 | 1 24 | 21 47 | 0 17 | 16 25 | 0 19 | 23 22 | 0 5 | 12 32 | 0 4 | 11 44 | 11 29 | 5 10 | 4 44 | 18 15 | 13 3 | 7 27 |
| S 13 | 18 34 | 26 28 | 5 6 | 9 32 | 2 38 | 28 4 | 4 45 | 5 31 | 1 21 | 21 47 | 0 17 | 16 25 | 0 19 | 23 22 | 0 5 | 12 32 | 0 4 | 11 44 | 11 29 | 5 8 | 4 42 | 18 12 | 13 2 | 7 28 |
| M14 | 18 49 | 23 41 | 4 48 | 10 8 | 2 34 | 28 2 | 4 43 | 5 30 | 1 19 | 21 47 | 0 17 | 16 25 | 0 20 | 23 22 | 0 5 | 12 32 | 0 4 | 11 44 | 11 30 | 5 6 | 4 41 | 18 9 | 13 2 | 7 29 |
| T 15 | 19 2 | 19 56 | 4 19 | 10 45 | 2 30 | 28 0 | 4 41 | 5 29 | 1 16 | 21 48 | 0 16 | 16 25 | 0 20 | 23 22 | 0 5 | 12 32 | 0 4 | 11 43 | 11 30 | 5 5 | 4 40 | 18 6 | 13 1 | 7 29 |
| W16 | 19 16 | 15 24 | 3 38 | 11 22 | 2 25 | 27 57 | 4 38 | 5 28 | 1 14 | 21 48 | 0 16 | 16 25 | 0 20 | 23 22 | 0 5 | 12 31 | 0 4 | 11 43 | 11 30 | 5 5 | 4 39 | 18 4 | 13 1 | 7 30 |
| T 17 | 19 29 | 10 18 | 2 48 | 12 0 | 2 20 | 27 54 | 4 35 | 5 27 | 1 11 | 21 48 | 0 16 | 16 24 | 0 20 | 23 22 | 0 5 | 12 31 | 0 4 | 11 43 | 11 30 | 5 5 | 4 38 | 18 1 | 13 0 | 7 30 |
| F 18 | 19 42 | 4 47 | 1 50 | 12 38 | 2 15 | 27 50 | 4 32 | 5 26 | 1 9 | 21 49 | 0 16 | 16 24 | 0 20 | 23 22 | 0 5 | 12 31 | 0 4 | 11 43 | 11 30 | 5 6 | 4 36 | 17 58 | 13 0 | 7 31 |
| S 19 | 19 55 | 1n 0 | 0 47 | 13 16 | 2 8 | 27 46 | 4 28 | 5 26 | 1 6 | 21 49 | 0 16 | 16 24 | 0 20 | 23 22 | 0 5 | 12 31 | 0 4 | 11 43 | 11 30 | 5 6 | 4 35 | 17 56 | 13 0 | 7 32 |
| S 20 | 20 7 | 6 52 | 0n20 | 13 54 | 2 2 | 27 42 | 4 23 | 5 26 | 1 4 | 21 50 | 0 16 | 16 24 | 0 20 | 23 22 | 0 5 | 12 31 | 0 4 | 11 43 | 11 30 | 5 6 | 4 34 | 17 53 | 12 59 | 7 32 |
| M21 | 20 19 | 12 36 | 1 28 | 14 33 | 1 55 | 27 37 | 4 18 | 5 27 | 1 1 | 21 50 | 0 16 | 16 24 | 0 20 | 23 22 | 0 5 | 12 31 | 0 4 | 11 43 | 11 30 | 5 6 | 4 33 | 17 50 | 12 59 | 7 33 |
| T 22 | 20 31 | 17 57 | 2 32 | 15 12 | 1 47 | 27 32 | 4 13 | 5 28 | 0 59 | 21 51 | 0 16 | 16 24 | 0 21 | 23 22 | 0 5 | 12 31 | 0 4 | 11 42 | 11 30 | 5 5 | 4 31 | 17 47 | 12 59 | 7 33 |
| W23 | 20 42 | 22 34 | 3 30 | 15 50 | 1 39 | 27 26 | 4 7 | 5 29 | 0 57 | 21 51 | 0 16 | 16 24 | 0 21 | 23 22 | 0 5 | 12 31 | 0 4 | 11 42 | 11 30 | 5 2 | 4 30 | 17 45 | 12 58 | 7 34 |
| T 24 | 20 53 | 26 3 | 4 17 | 16 29 | 1 31 | 27 19 | 4 1 | 5 30 | 0 54 | 21 52 | 0 16 | 16 24 | 0 21 | 23 22 | 0 5 | 12 31 | 0 4 | 11 42 | 11 30 | 5 0 | 4 29 | 17 42 | 12 58 | 7 35 |
| F 25 | 21 4 | 28 0 | 4 50 | 17 7 | 1 22 | 27 13 | 3 54 | 5 31 | 0 52 | 21 52 | 0 16 | 16 25 | 0 21 | 23 22 | 0 5 | 12 31 | 0 4 | 11 42 | 11 30 | 4 56 | 4 28 | 17 39 | 12 58 | 7 35 |
| S 26 | 21 14 | 28 8 | 5 5 | 17 45 | 1 13 | 27 5 | 3 47 | 5 33 | 0 50 | 21 53 | 0 16 | 16 25 | 0 21 | 23 22 | 0 5 | 12 31 | 0 4 | 11 42 | 11 30 | 4 53 | 4 26 | 17 36 | 12 57 | 7 36 |
| S 27 | 21 23 | 26 23 | 5 1 | 18 22 | 1 3 | 26 57 | 3 39 | 5 35 | 0 48 | 21 54 | 0 16 | 16 25 | 0 21 | 23 22 | 0 5 | 12 31 | 0 4 | 11 42 | 11 30 | 4 50 | 4 25 | 17 34 | 12 57 | 7 36 |
| M28 | 21 33 | 22 55 | 4 38 | 18 59 | 0 54 | 26 49 | 3 30 | 5 38 | 0 45 | 21 54 | 0 15 | 16 25 | 0 21 | 23 22 | 0 5 | 12 31 | 0 4 | 11 42 | 11 31 | 4 48 | 4 24 | 17 31 | 12 57 | 7 37 |
| T 29 | 21 42 | 18 6 | 3 58 | 19 34 | 0 44 | 26 40 | 3 21 | 5 40 | 0 43 | 21 55 | 0 15 | 16 25 | 0 21 | 23 22 | 0 5 | 12 31 | 0 4 | 11 42 | 11 31 | 4 47 | 4 23 | 17 28 | 12 57 | 7 37 |
| W30 | 21 50 | 12 18 | 3 3 | 20 9 | 0 33 | 26 31 | 3 12 | 5 43 | 0 41 | 21 56 | 0 15 | 16 26 | 0 21 | 23 22 | 0 5 | 12 31 | 0 4 | 11 42 | 11 31 | 4 46 | 4 21 | 17 25 | 12 57 | 7 38 |
| T 31 | 21n59 | 5n56 | 1n58 | 20n42 | 0s23 | 26n21 | 3n 2 | 5s46 | 0n39 | 21s56 | 0n15 | 16s26 | 0s22 | 23s22 | 0s 6 | 12s31 | 0s 4 | 11s42 | 11n31 | 4n46 | 4n20 | 17s23 | 12s57 | 7n38 |

Julian Day Number = 2813986.5, Delta T = 54m02s
Ecliptic obliquity = 23°18'48, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°37'54, Lahiri = 37°44'54


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# ASTRODIENST EPHEMERIS for the year 2992
# geocentric

## JUNE 2992 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 42 21 | 11♊59'26 | 3♎28 | 7♊29 | 28°R57 | 16♎21 | 17°R19 | 15°R33 | 26°R31 | 27°R 0 | 24°R19 | 12♈ 8 | 10♈58 | 23♒ 9 | 28°R 3 | F 1 |
| S 2 | 16 46 17 | 12°57'17 | 17°13 | 9°39 | 28♊32 | 16°25 | 17♑14 | 15♒32 | 26♐29 | 27♒ 0 | 24♐17 | 12°R 8 | 10°55 | 23°16 | 28♑ 1 | S 2 |
| S 3 | 16 50 14 | 13°55'07 | 0♏49 | 11°49 | 28° 4 | 16°30 | 17° 9 | 15°31 | 26°26 | 27° 0 | 24°16 | 12° 7 | 10°51 | 23°23 | 27°58 | S 3 |
| M 4 | 16 54 11 | 14°52'55 | 14°14 | 14° 0 | 27°35 | 16°36 | 17° 4 | 15°30 | 26°24 | 27° 0 | 24°14 | 12° 3 | 10°48 | 23°29 | 27°56 | M 4 |
| T 5 | 16 58 7 | 15°50'42 | 27°29 | 16°11 | 27° 4 | 16°43 | 16°58 | 15°29 | 26°21 | 26°59 | 24°13 | 11°57 | 10°45 | 23°36 | 27°54 | T 5 |
| W 6 | 17 2 4 | 16°48'27 | 10♐32 | 18°23 | 26°32 | 16°50 | 16°53 | 15°28 | 26°19 | 26°59 | 24°11 | 11°48 | 10°42 | 23°43 | 27°51 | W 6 |
| T 7 | 17 6 0 | 17°46'11 | 23°22 | 20°35 | 25°58 | 16°58 | 16°47 | 15°26 | 26°17 | 26°59 | 24° 9 | 11°37 | 10°39 | 23°50 | 27°49 | T 7 |
| F 8 | 17 9 57 | 18°43'54 | 5♑58 | 22°46 | 25°23 | 17° 6 | 16°41 | 15°25 | 26°14 | 26°58 | 24° 8 | 11°25 | 10°36 | 23°56 | 27°46 | F 8 |
| S 9 | 17 13 53 | 19°41'35 | 18°21 | 24°57 | 24°47 | 17°15 | 16°35 | 15°24 | 26°12 | 26°58 | 24° 6 | 11°14 | 10°32 | 24° 3 | 27°44 | S 9 |
| S 10 | 17 17 50 | 20°39'16 | 0♒32 | 27° 7 | 24°10 | 17°25 | 16°29 | 15°22 | 26° 9 | 26°58 | 24° 5 | 11° 3 | 10°29 | 24°10 | 27°41 | S 10 |
| M11 | 17 21 46 | 21°36'55 | 12°33 | 29°16 | 23°32 | 17°35 | 16°23 | 15°20 | 26° 7 | 26°57 | 24° 3 | 10°55 | 10°26 | 24°16 | 27°38 | M11 |
| T 12 | 17 25 43 | 22°34'33 | 24°26 | 1♋24 | 22°55 | 17°46 | 16°16 | 15°19 | 26° 4 | 26°57 | 24° 1 | 10°49 | 10°23 | 24°23 | 27°36 | T 12 |
| W13 | 17 29 40 | 23°32'11 | 6♓16 | 3°30 | 22°17 | 17°58 | 16°10 | 15°17 | 26° 2 | 26°56 | 24° 0 | 10°46 | 10°20 | 24°30 | 27°33 | W13 |
| T 14 | 17 33 36 | 24°29'47 | 18° 7 | 5°34 | 21°39 | 18°10 | 16° 4 | 15°15 | 25°59 | 26°56 | 23°58 | 10°44 | 10°17 | 24°36 | 27°30 | T 14 |
| F 15 | 17 37 33 | 25°27'23 | 0♈ 5 | 7°36 | 21° 2 | 18°23 | 15°57 | 15°13 | 25°57 | 26°55 | 23°56 | 10°D44 | 10°13 | 24°43 | 27°27 | F 15 |
| S 16 | 17 41 29 | 26°24'57 | 12°14 | 9°37 | 20°26 | 18°36 | 15°50 | 15°11 | 25°54 | 26°55 | 23°55 | 10°R44 | 10°10 | 24°50 | 27°24 | S 16 |
| S 17 | 17 45 26 | 27°22'31 | 24°41 | 11°34 | 19°51 | 18°50 | 15°43 | 15° 9 | 25°52 | 26°54 | 23°53 | 10°44 | 10° 7 | 24°56 | 27°21 | S 17 |
| M18 | 17 49 22 | 28°20'04 | 7♉28 | 13°30 | 19°17 | 19° 4 | 15°36 | 15° 7 | 25°49 | 26°54 | 23°52 | 10°41 | 10° 4 | 25° 3 | 27°18 | M18 |
| T 19 | 17 53 19 | 29°17'37 | 20°41 | 15°23 | 18°44 | 19°19 | 15°29 | 15° 4 | 25°47 | 26°53 | 23°50 | 10°36 | 10° 1 | 25°10 | 27°15 | T 19 |
| W20 | 17 57 15 | 0♋15'09 | 4♊20 | 17°14 | 18°12 | 19°34 | 15°22 | 15° 2 | 25°44 | 26°52 | 23°48 | 10°29 | 9°57 | 25°16 | 27°12 | W20 |
| T 21 | 18 1 12 | 1°12'40 | 18°25 | 19° 2 | 17°43 | 19°50 | 15°15 | 14°59 | 25°42 | 26°51 | 23°47 | 10°19 | 9°54 | 25°23 | 27° 8 | T 21 |
| F 22 | 18 5 9 | 2°10'10 | 2♋51 | 20°47 | 17°15 | 20° 7 | 15° 8 | 14°57 | 25°39 | 26°51 | 23°45 | 10° 8 | 9°51 | 25°30 | 27° 5 | F 22 |
| S 23 | 18 9 5 | 3° 7'39 | 17°32 | 22°30 | 16°49 | 20°23 | 15° 1 | 14°54 | 25°37 | 26°50 | 23°44 | 9°57 | 9°48 | 25°37 | 27° 2 | S 23 |
| S 24 | 18 13 2 | 4° 5'08 | 2♌20 | 24°10 | 16°25 | 20°41 | 14°53 | 14°51 | 25°35 | 26°49 | 23°42 | 9°47 | 9°45 | 25°43 | 26°59 | S 24 |
| M25 | 18 16 58 | 5° 2'35 | 17° 6 | 25°48 | 16° 4 | 20°59 | 14°46 | 14°49 | 25°32 | 26°48 | 23°40 | 9°39 | 9°42 | 25°50 | 26°55 | M25 |
| T 26 | 18 20 55 | 6° 0'01 | 1♍45 | 27°23 | 15°44 | 21°17 | 14°38 | 14°46 | 25°30 | 26°47 | 23°39 | 9°34 | 9°38 | 25°57 | 26°52 | T 26 |
| W27 | 18 24 51 | 6°57'26 | 16° 9 | 28°55 | 15°27 | 21°36 | 14°31 | 14°43 | 25°27 | 26°47 | 23°37 | 9°31 | 9°35 | 26° 3 | 26°48 | W27 |
| T 28 | 18 28 48 | 7°54'50 | 0♎18 | 0♌24 | 15°12 | 21°55 | 14°23 | 14°40 | 25°25 | 26°46 | 23°36 | 9°30 | 9°32 | 26°10 | 26°45 | T 28 |
| F 29 | 18 32 45 | 8°52'13 | 14° 9 | 1°51 | 15° 0 | 22°15 | 14°16 | 14°37 | 25°22 | 26°45 | 23°34 | 9°30 | 9°29 | 26°17 | 26°41 | F 29 |
| S 30 | 18 36 41 | 9♋49'35 | 27♎44 | 3♌15 | 14♊50 | 22♎35 | 14♑ 8 | 14♒33 | 25♐20 | 26♒44 | 23♐33 | 9♈29 | 9♈26 | 26♒23 | 26♑38 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n 7 | 0s40 | 0n46 | 21n14 | 0s12 | 26n10 | 2n51 | 5s50 | 0n37 | 21s57 | 0n15 | 16s26 | 0s22 | 23s22 | 0s 6 | 12s31 | 0s 4 | 11s42 | 11n31 | 4n46 | 4n19 | 17s20 | 12s57 | 7n39 |
| S 2 | 22 14 | 7 9 | 0s27 | 21 45 | 0 2 | 25 59 | 2 40 | 5 54 | 0 34 | 21 58 | 0 15 | 16 27 | 0 22 | 23 22 | 0 6 | 12 31 | 0 4 | 11 41 | 11 31 | 4 46 | 4 18 | 17 17 | 12 56 | 7 39 |
| S 3 | 22 21 | 13 14 | 1 38 | 22 14 | 0n 9 | 25 47 | 2 29 | 5 57 | 0 32 | 21 58 | 0 15 | 16 27 | 0 22 | 23 21 | 0 6 | 12 31 | 0 4 | 11 41 | 11 31 | 4 46 | 4 17 | 17 14 | 12 56 | 7 40 |
| M 4 | 22 28 | 18 37 | 2 42 | 22 41 | 0 19 | 25 34 | 2 17 | 6 2 | 0 30 | 21 59 | 0 15 | 16 27 | 0 22 | 23 21 | 0 6 | 12 31 | 0 4 | 11 41 | 11 31 | 4 44 | 4 15 | 17 12 | 12 56 | 7 40 |
| T 5 | 22 34 | 23 1 | 3 37 | 23 5 | 0 29 | 25 21 | 2 4 | 6 6 | 0 28 | 22 0 | 0 15 | 16 28 | 0 22 | 23 21 | 0 6 | 12 31 | 0 4 | 11 41 | 11 31 | 4 42 | 4 14 | 17 9 | 12 56 | 7 41 |
| W 6 | 22 40 | 26 11 | 4 19 | 23 28 | 0 39 | 25 8 | 1 52 | 6 10 | 0 26 | 22 1 | 0 15 | 16 28 | 0 22 | 23 21 | 0 6 | 12 31 | 0 4 | 11 41 | 11 30 | 4 38 | 4 13 | 17 6 | 12 56 | 7 41 |
| T 7 | 22 45 | 27 56 | 4 47 | 23 48 | 0 49 | 24 54 | 1 39 | 6 15 | 0 24 | 22 2 | 0 15 | 16 29 | 0 22 | 23 21 | 0 6 | 12 31 | 0 4 | 11 41 | 11 30 | 4 34 | 4 12 | 17 3 | 12 56 | 7 42 |
| F 8 | 22 50 | 28 11 | 5 1 | 24 5 | 0 59 | 24 39 | 1 25 | 6 20 | 0 22 | 22 2 | 0 14 | 16 29 | 0 22 | 23 21 | 0 6 | 12 31 | 0 4 | 11 41 | 11 30 | 4 30 | 4 10 | 17 0 | 12 56 | 7 42 |
| S 9 | 22 55 | 27 1 | 5 0 | 24 20 | 1 7 | 24 24 | 1 11 | 6 26 | 0 20 | 22 3 | 0 14 | 16 30 | 0 23 | 23 21 | 0 6 | 12 32 | 0 4 | 11 41 | 11 30 | 4 25 | 4 9 | 16 58 | 12 56 | 7 43 |
| S 10 | 22 59 | 24 34 | 4 45 | 24 33 | 1 16 | 24 8 | 0 57 | 6 31 | 0 19 | 22 4 | 0 14 | 16 30 | 0 23 | 23 21 | 0 6 | 12 32 | 0 4 | 11 41 | 11 30 | 4 21 | 4 8 | 16 55 | 12 56 | 7 43 |
| M11 | 23 3 | 21 4 | 4 18 | 24 42 | 1 24 | 23 52 | 0 43 | 6 37 | 0 17 | 22 5 | 0 14 | 16 31 | 0 23 | 23 21 | 0 6 | 12 32 | 0 4 | 11 41 | 11 30 | 4 18 | 4 7 | 16 52 | 12 56 | 7 44 |
| T 12 | 23 6 | 16 46 | 3 40 | 24 49 | 1 31 | 23 36 | 0 29 | 6 43 | 0 15 | 22 6 | 0 14 | 16 31 | 0 23 | 23 21 | 0 6 | 12 32 | 0 4 | 11 41 | 11 30 | 4 16 | 4 5 | 16 49 | 12 57 | 7 44 |
| W13 | 23 9 | 11 50 | 2 52 | 24 54 | 1 38 | 23 20 | 0 15 | 6 49 | 0 13 | 22 7 | 0 14 | 16 32 | 0 23 | 23 21 | 0 6 | 12 32 | 0 4 | 11 41 | 11 30 | 4 14 | 4 4 | 16 46 | 12 57 | 7 44 |
| T 14 | 23 12 | 6 28 | 1 57 | 24 55 | 1 43 | 23 3 | 0 0 | 6 55 | 0 11 | 22 7 | 0 14 | 16 33 | 0 23 | 23 21 | 0 6 | 12 32 | 0 4 | 11 41 | 11 30 | 4 14 | 4 3 | 16 43 | 12 57 | 7 45 |
| F 15 | 23 14 | 0 50 | 0 56 | 24 54 | 1 49 | 22 47 | 0s14 | 7 1 | 0 10 | 22 8 | 0 14 | 16 33 | 0 23 | 23 21 | 0 6 | 12 33 | 0 4 | 11 41 | 11 30 | 4 14 | 4 2 | 16 41 | 12 57 | 7 45 |
| S 16 | 23 16 | 4n56 | 0n 8 | 24 51 | 1 53 | 22 30 | 0 28 | 7 8 | 0 8 | 22 9 | 0 14 | 16 34 | 0 23 | 23 21 | 0 6 | 12 33 | 0 4 | 11 41 | 11 30 | 4 14 | 4 0 | 16 38 | 12 57 | 7 46 |
| S 17 | 23 17 | 10 39 | 1 13 | 24 45 | 1 57 | 22 14 | 0 42 | 7 15 | 0 6 | 22 10 | 0 13 | 16 35 | 0 23 | 23 21 | 0 6 | 12 33 | 0 4 | 11 41 | 11 30 | 4 14 | 3 59 | 16 35 | 12 57 | 7 46 |
| M18 | 23 18 | 16 5 | 2 17 | 24 37 | 2 0 | 21 57 | 0 56 | 7 22 | 0 4 | 22 11 | 0 13 | 16 36 | 0 24 | 23 21 | 0 6 | 12 33 | 0 4 | 11 41 | 11 30 | 4 13 | 3 58 | 16 32 | 12 58 | 7 46 |
| T 19 | 23 19 | 20 57 | 3 15 | 24 27 | 2 2 | 21 41 | 1 9 | 7 29 | 0 3 | 22 12 | 0 13 | 16 36 | 0 24 | 23 20 | 0 6 | 12 33 | 0 4 | 11 41 | 11 29 | 4 11 | 3 57 | 16 29 | 12 58 | 7 47 |
| W20 | 23 19 | 24 53 | 4 3 | 24 14 | 2 3 | 21 25 | 1 22 | 7 36 | 0 1 | 22 13 | 0 13 | 16 37 | 0 24 | 23 20 | 0 6 | 12 34 | 0 4 | 11 42 | 11 29 | 4 8 | 3 55 | 16 26 | 12 58 | 7 47 |
| T 21 | 23 18 | 27 27 | 4 39 | 24 0 | 2 3 | 21 10 | 1 35 | 7 43 | 0s 0 | 22 14 | 0 13 | 16 38 | 0 24 | 23 20 | 0 6 | 12 34 | 0 4 | 11 42 | 11 29 | 4 4 | 3 54 | 16 24 | 12 58 | 7 47 |
| F 22 | 23 18 | 28 15 | 4 58 | 23 45 | 2 3 | 20 55 | 1 48 | 7 51 | 0 2 | 22 15 | 0 13 | 16 39 | 0 24 | 23 20 | 0 6 | 12 34 | 0 5 | 11 42 | 11 29 | 4 0 | 3 53 | 16 21 | 12 59 | 7 48 |
| S 23 | 23 17 | 27 6 | 4 58 | 23 27 | 2 2 | 20 41 | 2 0 | 7 59 | 0 4 | 22 16 | 0 13 | 16 40 | 0 24 | 23 20 | 0 6 | 12 35 | 0 5 | 11 42 | 11 29 | 3 55 | 3 52 | 16 18 | 12 59 | 7 48 |
| S 24 | 23 15 | 24 3 | 4 38 | 23 8 | 2 0 | 20 27 | 2 11 | 8 7 | 0 5 | 22 17 | 0 13 | 16 41 | 0 24 | 23 20 | 0 6 | 12 35 | 0 5 | 11 42 | 11 29 | 3 51 | 3 50 | 16 15 | 12 59 | 7 48 |
| M25 | 23 13 | 19 26 | 3 59 | 22 48 | 1 58 | 20 14 | 2 22 | 8 15 | 0 7 | 22 18 | 0 13 | 16 42 | 0 24 | 23 20 | 0 6 | 12 35 | 0 5 | 11 42 | 11 29 | 3 48 | 3 49 | 16 12 | 13 0 | 7 49 |
| T 26 | 23 11 | 13 41 | 3 5 | 22 27 | 1 54 | 20 1 | 2 33 | 8 23 | 0 8 | 22 19 | 0 12 | 16 43 | 0 25 | 23 20 | 0 6 | 12 35 | 0 5 | 11 42 | 11 28 | 3 46 | 3 48 | 16 9 | 13 0 | 7 49 |
| W27 | 23 8 | 7 17 | 2 0 | 22 4 | 1 50 | 19 49 | 2 43 | 8 32 | 0 10 | 22 19 | 0 12 | 16 44 | 0 25 | 23 20 | 0 6 | 12 36 | 0 5 | 11 42 | 11 28 | 3 45 | 3 47 | 16 6 | 13 0 | 7 49 |
| T 28 | 23 5 | 0 37 | 0 48 | 21 40 | 1 45 | 19 38 | 2 53 | 8 40 | 0 11 | 22 20 | 0 12 | 16 45 | 0 25 | 23 20 | 0 6 | 12 36 | 0 5 | 11 42 | 11 28 | 3 45 | 3 46 | 16 3 | 13 1 | 7 49 |
| F 29 | 23 1 | 5s56 | 0s25 | 21 16 | 1 40 | 19 28 | 3 2 | 8 49 | 0 13 | 22 21 | 0 12 | 16 46 | 0 25 | 23 20 | 0 6 | 12 36 | 0 5 | 11 42 | 11 28 | 3 45 | 3 44 | 16 1 | 13 1 | 7 50 |
| S 30 | 22n57 | 12s 5 | 1s35 | 20n51 | 1n34 | 19n18 | 3s11 | 8s57 | 0s14 | 22s22 | 0n12 | 16s47 | 0s25 | 23s20 | 0s 6 | 12s37 | 0s 5 | 11s43 | 11n28 | 3n44 | 3n43 | 15s58 | 13s 2 | 7n50 |

Julian Day Number = 2814017.5, Delta T = 54m03s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°37'58, Lahiri = 37°44'59


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# ASTRODIENST EPHEMERIS for the year 2992
# geocentric

## JULY 2992 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 40 38 | 10♋46'56 | 11♏ 4 | 4♌36 | 14°R42 | 22♎55 | 14°R 0 | 14°R30 | 25°R18 | 26°R43 | 23°R31 | 9°R27 | 9♈23 | 26♒30 | 26°R34 | S 1 |
| M 2 | 18 44 34 | 11°44'17 | 24°11 | 5°54 | 14♊37 | 23°16 | 13♑53 | 14♒27 | 25♐15 | 26♒42 | 23♐29 | 9♈23 | 9°19 | 26°37 | 26♑31 | M 2 |
| T 3 | 18 48 31 | 12°41'36 | 7♐ 5 | 7° 9 | 14°34 | 23°38 | 13°45 | 14°23 | 25°13 | 26°41 | 23°28 | 9°15 | 9°16 | 26°43 | 26°27 | T 3 |
| W 4 | 18 52 27 | 13°38'55 | 19°48 | 8°22 | 14°D34 | 23°59 | 13°37 | 14°20 | 25°11 | 26°40 | 23°26 | 9° 5 | 9°13 | 26°50 | 26°23 | W 4 |
| T 5 | 18 56 24 | 14°36'13 | 2♑21 | 9°31 | 14°36 | 24°22 | 13°30 | 14°17 | 25° 8 | 26°39 | 23°25 | 8°53 | 9°10 | 26°57 | 26°20 | T 5 |
| F 6 | 19 0 20 | 15°33'31 | 14°43 | 10°37 | 14°40 | 24°44 | 13°22 | 14°13 | 25° 6 | 26°38 | 23°23 | 8°39 | 9° 7 | 27° 3 | 26°16 | F 6 |
| S 7 | 19 4 17 | 16°30'48 | 26°55 | 11°40 | 14°46 | 25° 7 | 13°14 | 14° 9 | 25° 4 | 26°36 | 23°22 | 8°26 | 9° 3 | 27°10 | 26°12 | S 7 |
| S 8 | 19 8 14 | 17°28'05 | 8♒58 | 12°40 | 14°54 | 25°30 | 13° 7 | 14° 6 | 25° 2 | 26°35 | 23°21 | 8°14 | 9° 0 | 27°17 | 26° 9 | S 8 |
| M 9 | 19 12 10 | 18°25'21 | 20°54 | 13°36 | 15° 5 | 25°54 | 12°59 | 14° 2 | 24°59 | 26°34 | 23°19 | 8° 5 | 8°57 | 27°23 | 26° 5 | M 9 |
| T 10 | 19 16 7 | 19°22'37 | 2♓44 | 14°29 | 15°18 | 26°18 | 12°52 | 13°58 | 24°57 | 26°33 | 23°18 | 7°58 | 8°54 | 27°30 | 26° 1 | T 10 |
| W11 | 19 20 3 | 20°19'53 | 14°33 | 15°19 | 15°32 | 26°42 | 12°44 | 13°54 | 24°55 | 26°32 | 23°16 | 7°53 | 8°51 | 27°37 | 25°57 | W11 |
| T 12 | 19 24 0 | 21°17'09 | 26°23 | 16° 4 | 15°49 | 27° 6 | 12°36 | 13°50 | 24°53 | 26°30 | 23°15 | 7°51 | 8°48 | 27°43 | 25°53 | T 12 |
| F 13 | 19 27 56 | 22°14'25 | 8♈19 | 16°47 | 16° 8 | 27°31 | 12°29 | 13°47 | 24°51 | 26°29 | 23°14 | 7°D51 | 8°44 | 27°50 | 25°50 | F 13 |
| S 14 | 19 31 53 | 23°11'41 | 20°27 | 17°25 | 16°28 | 27°57 | 12°22 | 13°43 | 24°49 | 26°28 | 23°12 | 7°R51 | 8°41 | 27°57 | 25°46 | S 14 |
| S 15 | 19 35 49 | 24° 8'56 | 2♉52 | 17°59 | 16°50 | 28°22 | 12°14 | 13°39 | 24°47 | 26°27 | 23°11 | 7°50 | 8°38 | 28° 3 | 25°42 | S 15 |
| M16 | 19 39 46 | 25° 6'12 | 15°38 | 18°29 | 17°14 | 28°48 | 12° 7 | 13°34 | 24°44 | 26°25 | 23° 9 | 7°49 | 8°35 | 28°10 | 25°38 | M16 |
| T 17 | 19 43 43 | 26° 3'28 | 28°51 | 18°55 | 17°40 | 29°14 | 11°59 | 13°30 | 24°42 | 26°24 | 23° 8 | 7°45 | 8°32 | 28°17 | 25°35 | T 17 |
| W18 | 19 47 39 | 27° 0'45 | 12♊32 | 19°16 | 18° 7 | 29°41 | 11°52 | 13°26 | 24°41 | 26°23 | 23° 7 | 7°39 | 8°29 | 28°24 | 25°31 | W18 |
| T 19 | 19 51 36 | 27°58'01 | 26°42 | 19°34 | 18°35 | 0♏ 8 | 11°45 | 13°22 | 24°39 | 26°21 | 23° 6 | 7°31 | 8°25 | 28°30 | 25°27 | T 19 |
| F 20 | 19 55 32 | 28°55'18 | 11♋17 | 19°46 | 19° 5 | 0°35 | 11°38 | 13°18 | 24°37 | 26°20 | 23° 4 | 7°21 | 8°22 | 28°37 | 25°23 | F 20 |
| S 21 | 19 59 29 | 29°52'34 | 26°13 | 19°54 | 19°37 | 1° 2 | 11°31 | 13°14 | 24°35 | 26°18 | 23° 3 | 7°11 | 8°19 | 28°44 | 25°19 | S 21 |
| S 22 | 20 3 25 | 0♌49'51 | 11♌18 | 19°R57 | 20°10 | 1°30 | 11°24 | 13° 9 | 24°33 | 26°17 | 23° 2 | 7° 2 | 8°16 | 28°50 | 25°16 | S 22 |
| M23 | 20 7 22 | 1°47'07 | 26°25 | 19°56 | 20°44 | 1°58 | 11°17 | 13° 5 | 24°31 | 26°16 | 23° 1 | 6°55 | 8°13 | 28°57 | 25°12 | M23 |
| T 24 | 20 11 18 | 2°44'24 | 11♍23 | 19°50 | 21°19 | 2°26 | 11°11 | 13° 1 | 24°29 | 26°14 | 23° 0 | 6°50 | 8° 9 | 29° 4 | 25° 8 | T 24 |
| W25 | 20 15 15 | 3°41'40 | 26° 4 | 19°39 | 21°56 | 2°55 | 11° 4 | 12°56 | 24°28 | 26°13 | 22°59 | 6°48 | 8° 6 | 29°10 | 25° 4 | W25 |
| T 26 | 20 19 12 | 4°38'56 | 10♎24 | 19°24 | 22°33 | 3°23 | 10°58 | 12°52 | 24°26 | 26°11 | 22°57 | 6°D48 | 8° 3 | 29°17 | 25° 1 | T 26 |
| F 27 | 20 23 8 | 5°36'12 | 24°22 | 19° 4 | 23°12 | 3°52 | 10°51 | 12°48 | 24°24 | 26°10 | 22°56 | 6°48 | 8° 0 | 29°24 | 24°57 | F 27 |
| S 28 | 20 27 5 | 6°33'28 | 7♏58 | 18°40 | 23°52 | 4°22 | 10°45 | 12°43 | 24°23 | 26° 8 | 22°55 | 6°R48 | 7°57 | 29°30 | 24°53 | S 28 |
| S 29 | 20 31 1 | 7°30'43 | 21°12 | 18°12 | 24°33 | 4°51 | 10°39 | 12°39 | 24°21 | 26° 7 | 22°54 | 6°47 | 7°54 | 29°37 | 24°50 | S 29 |
| M30 | 20 34 58 | 8°27'59 | 4♐ 9 | 17°41 | 25°15 | 5°21 | 10°33 | 12°34 | 24°19 | 26° 5 | 22°53 | 6°45 | 7°50 | 29°44 | 24°46 | M30 |
| T 31 | 20 38 54 | 9♌25'15 | 16♐51 | 17♌ 6 | 25♊58 | 5♏51 | 10♑27 | 12♒30 | 24♐18 | 26♒ 4 | 22♐52 | 6♈39 | 7♈47 | 29♒50 | 24♑43 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n53 | 17s35 | 2s38 | 20n25 | 1n27 | 19n 9 | 3s19 | 9s 6 | 0s15 | 22s23 | 0n12 | 16s48 | 0s25 | 23s20 | 0s 6 | 12s37 | 0s 5 | 11s43 | 11n27 | 3n44 | 3n42 | 15s55 | 13s 2 | 7n50 |
| M 2 | 22 48 | 22 9 | 3 32 | 19 59 | 1 20 | 19 1 | 3 27 | 9 15 | 0 17 | 22 24 | 0 12 | 16 49 | 0 25 | 23 20 | 0 6 | 12 37 | 0 5 | 11 43 | 11 27 | 3 42 | 3 41 | 15 52 | 13 2 | 7 50 |
| T 3 | 22 43 | 25 34 | 4 15 | 19 32 | 1 11 | 18 53 | 3 34 | 9 24 | 0 18 | 22 25 | 0 12 | 16 50 | 0 25 | 23 19 | 0 6 | 12 38 | 0 5 | 11 43 | 11 27 | 3 39 | 3 39 | 15 49 | 13 3 | 7 50 |
| W 4 | 22 37 | 27 38 | 4 43 | 19 5 | 1 3 | 18 47 | 3 40 | 9 34 | 0 19 | 22 26 | 0 11 | 16 51 | 0 25 | 23 19 | 0 6 | 12 38 | 0 5 | 11 43 | 11 27 | 3 35 | 3 38 | 15 46 | 13 3 | 7 51 |
| T 5 | 22 31 | 28 16 | 4 58 | 18 38 | 0 53 | 18 41 | 3 47 | 9 43 | 0 21 | 22 27 | 0 11 | 16 52 | 0 25 | 23 19 | 0 6 | 12 38 | 0 5 | 11 43 | 11 27 | 3 30 | 3 37 | 15 43 | 13 4 | 7 51 |
| F 6 | 22 25 | 27 27 | 4 58 | 18 11 | 0 43 | 18 35 | 3 52 | 9 52 | 0 22 | 22 28 | 0 11 | 16 53 | 0 26 | 23 19 | 0 6 | 12 39 | 0 5 | 11 43 | 11 26 | 3 25 | 3 36 | 15 40 | 13 4 | 7 51 |
| S 7 | 22 18 | 25 19 | 4 45 | 17 43 | 0 33 | 18 31 | 3 58 | 10 2 | 0 23 | 22 29 | 0 11 | 16 54 | 0 26 | 23 19 | 0 6 | 12 39 | 0 5 | 11 44 | 11 26 | 3 20 | 3 34 | 15 37 | 13 5 | 7 51 |
| S 8 | 22 11 | 22 5 | 4 19 | 17 16 | 0 22 | 18 27 | 4 3 | 10 11 | 0 24 | 22 29 | 0 11 | 16 55 | 0 26 | 23 19 | 0 6 | 12 40 | 0 5 | 11 44 | 11 26 | 3 15 | 3 33 | 15 34 | 13 5 | 7 51 |
| M 9 | 22 3 | 17 57 | 3 41 | 16 49 | 0 10 | 18 23 | 4 7 | 10 21 | 0 26 | 22 30 | 0 11 | 16 57 | 0 26 | 23 19 | 0 6 | 12 40 | 0 5 | 11 44 | 11 26 | 3 11 | 3 32 | 15 32 | 13 6 | 7 51 |
| T 10 | 21 55 | 13 9 | 2 54 | 16 22 | 0s 2 | 18 21 | 4 11 | 10 31 | 0 27 | 22 31 | 0 11 | 16 58 | 0 26 | 23 19 | 0 6 | 12 40 | 0 5 | 11 44 | 11 25 | 3 8 | 3 31 | 15 29 | 13 7 | 7 51 |
| W11 | 21 47 | 7 54 | 2 0 | 15 56 | 0 15 | 18 19 | 4 15 | 10 41 | 0 28 | 22 32 | 0 10 | 16 59 | 0 26 | 23 19 | 0 6 | 12 41 | 0 5 | 11 44 | 11 25 | 3 7 | 3 29 | 15 26 | 13 7 | 7 51 |
| T 12 | 21 38 | 2 21 | 1 0 | 15 30 | 0 28 | 18 17 | 4 18 | 10 51 | 0 29 | 22 33 | 0 10 | 17 0 | 0 26 | 23 19 | 0 6 | 12 41 | 0 5 | 11 45 | 11 25 | 3 6 | 3 28 | 15 23 | 13 8 | 7 51 |
| F 13 | 21 29 | 3n19 | 0n 3 | 15 4 | 0 41 | 18 16 | 4 21 | 11 1 | 0 30 | 22 34 | 0 10 | 17 1 | 0 26 | 23 19 | 0 6 | 12 42 | 0 5 | 11 45 | 11 25 | 3 6 | 3 27 | 15 20 | 13 8 | 7 52 |
| S 14 | 21 20 | 8 59 | 1 6 | 14 39 | 0 55 | 18 16 | 4 24 | 11 11 | 0 32 | 22 35 | 0 10 | 17 3 | 0 26 | 23 19 | 0 6 | 12 42 | 0 5 | 11 45 | 11 24 | 3 6 | 3 26 | 15 17 | 13 9 | 7 52 |
| S 15 | 21 10 | 14 25 | 2 9 | 14 16 | 1 9 | 18 15 | 4 26 | 11 21 | 0 33 | 22 35 | 0 10 | 17 4 | 0 27 | 23 19 | 0 6 | 12 43 | 0 5 | 11 45 | 11 24 | 3 6 | 3 24 | 15 14 | 13 10 | 7 52 |
| M16 | 21 0 | 19 25 | 3 6 | 13 53 | 1 24 | 18 16 | 4 28 | 11 31 | 0 34 | 22 36 | 0 10 | 17 5 | 0 27 | 23 19 | 0 6 | 12 43 | 0 5 | 11 45 | 11 24 | 3 5 | 3 23 | 15 11 | 13 10 | 7 52 |
| T 17 | 20 50 | 23 38 | 3 56 | 13 31 | 1 39 | 18 16 | 4 29 | 11 41 | 0 35 | 22 37 | 0 10 | 17 6 | 0 27 | 23 18 | 0 6 | 12 44 | 0 5 | 11 46 | 11 23 | 3 4 | 3 22 | 15 8 | 13 11 | 7 52 |
| W18 | 20 39 | 26 43 | 4 34 | 13 10 | 1 54 | 18 18 | 4 31 | 11 52 | 0 36 | 22 38 | 0 10 | 17 8 | 0 27 | 23 18 | 0 6 | 12 44 | 0 5 | 11 46 | 11 23 | 3 1 | 3 21 | 15 5 | 13 11 | 7 52 |
| T 19 | 20 28 | 28 14 | 4 57 | 12 50 | 2 9 | 18 19 | 4 32 | 12 2 | 0 37 | 22 38 | 0 9 | 17 9 | 0 27 | 23 18 | 0 6 | 12 45 | 0 5 | 11 46 | 11 23 | 2 58 | 3 19 | 15 2 | 13 12 | 7 52 |
| F 20 | 20 16 | 27 51 | 5 2 | 12 32 | 2 24 | 18 21 | 4 32 | 12 13 | 0 38 | 22 39 | 0 9 | 17 10 | 0 27 | 23 18 | 0 6 | 12 45 | 0 5 | 11 46 | 11 22 | 2 54 | 3 18 | 14 59 | 13 13 | 7 52 |
| S 21 | 20 4 | 25 29 | 4 46 | 12 15 | 2 39 | 18 23 | 4 33 | 12 23 | 0 39 | 22 40 | 0 9 | 17 12 | 0 27 | 23 18 | 0 6 | 12 45 | 0 5 | 11 47 | 11 22 | 2 50 | 3 17 | 14 56 | 13 14 | 7 52 |
| S 22 | 19 52 | 21 19 | 4 11 | 11 59 | 2 54 | 18 25 | 4 33 | 12 34 | 0 40 | 22 41 | 0 9 | 17 13 | 0 27 | 23 18 | 0 6 | 12 46 | 0 5 | 11 47 | 11 22 | 2 47 | 3 16 | 14 53 | 13 14 | 7 52 |
| M23 | 19 39 | 15 45 | 3 18 | 11 46 | 3 9 | 18 27 | 4 33 | 12 44 | 0 41 | 22 41 | 0 9 | 17 14 | 0 27 | 23 18 | 0 6 | 12 46 | 0 5 | 11 47 | 11 21 | 2 44 | 3 14 | 14 50 | 13 15 | 7 51 |
| T 24 | 19 27 | 9 17 | 2 11 | 11 34 | 3 24 | 18 30 | 4 33 | 12 55 | 0 42 | 22 42 | 0 9 | 17 16 | 0 27 | 23 18 | 0 6 | 12 47 | 0 5 | 11 48 | 11 21 | 2 42 | 3 13 | 14 47 | 13 16 | 7 51 |
| W25 | 19 13 | 2 26 | 0 57 | 11 24 | 3 38 | 18 32 | 4 32 | 13 5 | 0 43 | 22 43 | 0 9 | 17 17 | 0 28 | 23 18 | 0 6 | 12 47 | 0 5 | 11 48 | 11 21 | 2 41 | 3 12 | 14 44 | 13 16 | 7 51 |
| T 26 | 19 0 | 4s24 | 0s19 | 11 16 | 3 51 | 18 35 | 4 32 | 13 16 | 0 44 | 22 43 | 0 8 | 17 18 | 0 28 | 23 18 | 0 6 | 12 48 | 0 5 | 11 48 | 11 20 | 2 41 | 3 11 | 14 41 | 13 17 | 7 51 |
| F 27 | 18 46 | 10 50 | 1 32 | 11 9 | 4 4 | 18 38 | 4 31 | 13 27 | 0 45 | 22 44 | 0 8 | 17 20 | 0 28 | 23 18 | 0 6 | 12 49 | 0 5 | 11 48 | 11 20 | 2 41 | 3 9 | 14 38 | 13 18 | 7 51 |
| S 28 | 18 32 | 16 35 | 2 38 | 11 5 | 4 16 | 18 41 | 4 30 | 13 38 | 0 46 | 22 45 | 0 8 | 17 21 | 0 28 | 23 18 | 0 6 | 12 49 | 0 5 | 11 49 | 11 20 | 2 41 | 3 8 | 14 35 | 13 19 | 7 51 |
| S 29 | 18 18 | 21 25 | 3 34 | 11 3 | 4 27 | 18 44 | 4 28 | 13 48 | 0 47 | 22 45 | 0 8 | 17 22 | 0 28 | 23 18 | 0 6 | 12 50 | 0 5 | 11 49 | 11 19 | 2 41 | 3 7 | 14 32 | 13 19 | 7 51 |
| M30 | 18 3 | 25 5 | 4 18 | 11 3 | 4 37 | 18 47 | 4 27 | 13 59 | 0 48 | 22 46 | 0 8 | 17 23 | 0 28 | 23 18 | 0 6 | 12 50 | 0 5 | 11 49 | 11 19 | 2 40 | 3 6 | 14 29 | 13 20 | 7 51 |
| T 31 | 17n48 | 27s26 | 4s47 | 11n 5 | 4s45 | 18n50 | 4s25 | 14s10 | 0s49 | 22s47 | 0n 8 | 17s25 | 0s28 | 23s18 | 0s 6 | 12s51 | 0s 5 | 11s50 | 11n19 | 2n38 | 3n 4 | 14s26 | 13s21 | 7n51 |

Julian Day Number = 2814047.5, Delta T = 54m03s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°38'02, Lahiri = 37°45'03


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# ASTRODIENST EPHEMERIS for the year 2992
# geocentric

## AUGUST 2992 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 42 51 | 10♌22'31 | 29♐20 | 16°R29 | 26♊42 | 6♏21 | 10°R21 | 12°R26 | 24°R16 | 26°R 2 | 22°R51 | 6°R32 | 7♈44 | 29♒57 | 24°R39 | W 1 |
| T 2 | 20 46 48 | 11°19'47 | 11♑38 | 15♌50 | 27°27 | 6°52 | 10♑15 | 12♒21 | 24♐15 | 26♒ 1 | 22♐50 | 6♈23 | 7°41 | 0♓ 4 | 24♑35 | T 2 |
| F 3 | 20 50 44 | 12°17'04 | 23°47 | 15°10 | 28°12 | 7°23 | 10°10 | 12°17 | 24°14 | 25°59 | 22°49 | 6°13 | 7°38 | 0°10 | 24°32 | F 3 |
| S 4 | 20 54 41 | 13°14'20 | 5♒49 | 14°29 | 28°59 | 7°54 | 10° 4 | 12°12 | 24°12 | 25°57 | 22°49 | 6° 3 | 7°35 | 0°17 | 24°28 | S 4 |
| S 5 | 20 58 37 | 14°11'37 | 17°44 | 13°47 | 29°46 | 8°25 | 9°59 | 12° 8 | 24°11 | 25°56 | 22°48 | 5°54 | 7°31 | 0°24 | 24°25 | S 5 |
| M 6 | 21 2 34 | 15° 8'55 | 29°35 | 13° 7 | 0♋34 | 8°56 | 9°54 | 12° 3 | 24°10 | 25°54 | 22°47 | 5°47 | 7°28 | 0°30 | 24°22 | M 6 |
| T 7 | 21 6 30 | 16° 6'13 | 11♓24 | 12°28 | 1°23 | 9°28 | 9°49 | 11°59 | 24° 8 | 25°53 | 22°46 | 5°42 | 7°25 | 0°37 | 24°18 | T 7 |
| W 8 | 21 10 27 | 17° 3'31 | 23°13 | 11°51 | 2°12 | 10° 0 | 9°44 | 11°55 | 24° 7 | 25°51 | 22°45 | 5°39 | 7°22 | 0°44 | 24°15 | W 8 |
| T 9 | 21 14 23 | 18° 0'51 | 5♈ 4 | 11°17 | 3° 2 | 10°32 | 9°40 | 11°50 | 24° 6 | 25°49 | 22°45 | 5°D38 | 7°19 | 0°50 | 24°12 | T 9 |
| F 10 | 21 18 20 | 18°58'11 | 17° 2 | 10°47 | 3°53 | 11° 4 | 9°35 | 11°46 | 24° 5 | 25°48 | 22°44 | 5°39 | 7°15 | 0°57 | 24° 8 | F 10 |
| S 11 | 21 22 16 | 19°55'32 | 29°11 | 10°20 | 4°45 | 11°36 | 9°31 | 11°41 | 24° 4 | 25°46 | 22°43 | 5°40 | 7°12 | 1° 4 | 24° 5 | S 11 |
| S 12 | 21 26 13 | 20°52'53 | 11♉36 | 9°59 | 5°37 | 12° 9 | 9°27 | 11°37 | 24° 3 | 25°45 | 22°42 | 5°41 | 7° 9 | 1°10 | 24° 2 | S 12 |
| M13 | 21 30 10 | 21°50'16 | 24°20 | 9°42 | 6°30 | 12°42 | 9°23 | 11°33 | 24° 2 | 25°43 | 22°42 | 5°R42 | 7° 6 | 1°17 | 23°59 | M13 |
| T 14 | 21 34 6 | 22°47'40 | 7♊29 | 9°31 | 7°23 | 13°15 | 9°19 | 11°28 | 24° 1 | 25°41 | 22°41 | 5°40 | 7° 3 | 1°24 | 23°56 | T 14 |
| W15 | 21 38 3 | 23°45'05 | 21° 5 | 9°D26 | 8°17 | 13°48 | 9°15 | 11°24 | 24° 0 | 25°40 | 22°41 | 5°38 | 7° 0 | 1°30 | 23°53 | W15 |
| T 16 | 21 41 59 | 24°42'31 | 5♋ 9 | 9°26 | 9°11 | 14°22 | 9°12 | 11°20 | 23°59 | 25°38 | 22°40 | 5°33 | 6°56 | 1°37 | 23°50 | T 16 |
| F 17 | 21 45 56 | 25°39'58 | 19°41 | 9°33 | 10° 6 | 14°55 | 9° 8 | 11°16 | 23°59 | 25°36 | 22°40 | 5°28 | 6°53 | 1°44 | 23°47 | F 17 |
| S 18 | 21 49 52 | 26°37'26 | 4♌36 | 9°47 | 11° 2 | 15°29 | 9° 5 | 11°11 | 23°58 | 25°35 | 22°39 | 5°22 | 6°50 | 1°50 | 23°44 | S 18 |
| S 19 | 21 53 49 | 27°34'55 | 19°45 | 10° 6 | 11°58 | 16° 3 | 9° 2 | 11° 7 | 23°57 | 25°33 | 22°39 | 5°17 | 6°47 | 1°57 | 23°41 | S 19 |
| M20 | 21 57 46 | 28°32'25 | 4♍59 | 10°33 | 12°54 | 16°37 | 9° 0 | 11° 3 | 23°57 | 25°32 | 22°38 | 5°13 | 6°44 | 2° 4 | 23°38 | M20 |
| T 21 | 22 1 42 | 29°29'56 | 20° 8 | 11° 6 | 13°51 | 17°12 | 8°57 | 10°59 | 23°56 | 25°30 | 22°38 | 5°10 | 6°41 | 2°10 | 23°36 | T 21 |
| W22 | 22 5 39 | 0♍27'27 | 5♎ 3 | 11°45 | 14°48 | 17°46 | 8°54 | 10°55 | 23°56 | 25°28 | 22°37 | 5°D10 | 6°37 | 2°17 | 23°33 | W22 |
| T 23 | 22 9 35 | 1°24'59 | 19°37 | 12°31 | 15°46 | 18°21 | 8°52 | 10°51 | 23°55 | 25°27 | 22°37 | 5°10 | 6°34 | 2°24 | 23°30 | T 23 |
| F 24 | 22 13 32 | 2°22'32 | 3♏46 | 13°24 | 16°44 | 18°56 | 8°50 | 10°47 | 23°55 | 25°25 | 22°37 | 5°12 | 6°31 | 2°30 | 23°28 | F 24 |
| S 25 | 22 17 28 | 3°20'06 | 17°29 | 14°22 | 17°43 | 19°31 | 8°48 | 10°43 | 23°54 | 25°23 | 22°37 | 5°13 | 6°28 | 2°37 | 23°25 | S 25 |
| S 26 | 22 21 25 | 4°17'41 | 0♐48 | 15°27 | 18°42 | 20° 6 | 8°47 | 10°39 | 23°54 | 25°22 | 22°36 | 5°R14 | 6°25 | 2°44 | 23°23 | S 26 |
| M27 | 22 25 21 | 5°15'16 | 13°43 | 16°37 | 19°41 | 20°42 | 8°45 | 10°35 | 23°54 | 25°20 | 22°36 | 5°14 | 6°21 | 2°50 | 23°21 | M27 |
| T 28 | 22 29 18 | 6°12'53 | 26°20 | 17°53 | 20°41 | 21°17 | 8°44 | 10°31 | 23°54 | 25°19 | 22°36 | 5°12 | 6°18 | 2°57 | 23°18 | T 28 |
| W29 | 22 33 14 | 7°10'30 | 8♑42 | 19°15 | 21°41 | 21°53 | 8°43 | 10°28 | 23°53 | 25°17 | 22°36 | 5° 9 | 6°15 | 3° 4 | 23°16 | W29 |
| T 30 | 22 37 11 | 8° 8'08 | 20°51 | 20°42 | 22°41 | 22°29 | 8°42 | 10°24 | 23°53 | 25°15 | 22°36 | 5° 5 | 6°12 | 3°10 | 23°14 | T 30 |
| F 31 | 22 41 8 | 9♍ 5'47 | 2♒52 | 22♌13 | 23♋42 | 23♏ 5 | 8♑41 | 10♒20 | 23♐53 | 25♒14 | 22♐36 | 5♈ 1 | 6♈ 9 | 3♓17 | 23♑12 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n33 | 28s21 | 5s 3 | 11n10 | 4s52 | 18n53 | 4s23 | 14s21 | 0s49 | 22s47 | 0n 8 | 17s26 | 0s28 | 23s17 | 0s 6 | 12s51 | 0s 5 | 11s50 | 11n18 | 2n35 | 3n 3 | 14s23 | 13s22 | 7n50 |
| T 2 | 17 17 | 27 51 | 5 4 | 11 15 | 4 58 | 18 56 | 4 21 | 14 32 | 0 50 | 22 48 | 0 7 | 17 27 | 0 28 | 23 17 | 0 6 | 12 52 | 0 5 | 11 50 | 11 18 | 2 31 | 3 2 | 14 20 | 13 22 | 7 50 |
| F 3 | 17 1 | 26 1 | 4 51 | 11 23 | 5 2 | 18 59 | 4 19 | 14 42 | 0 51 | 22 48 | 0 7 | 17 29 | 0 28 | 23 17 | 0 6 | 12 52 | 0 5 | 11 51 | 11 17 | 2 27 | 3 1 | 14 17 | 13 23 | 7 50 |
| S 4 | 16 45 | 23 0 | 4 26 | 11 33 | 5 4 | 19 2 | 4 17 | 14 53 | 0 52 | 22 49 | 0 7 | 17 30 | 0 28 | 23 17 | 0 6 | 12 53 | 0 5 | 11 51 | 11 17 | 2 23 | 2 59 | 14 14 | 13 24 | 7 50 |
| S 5 | 16 29 | 19 4 | 3 48 | 11 44 | 5 5 | 19 4 | 4 14 | 15 4 | 0 53 | 22 49 | 0 7 | 17 31 | 0 28 | 23 17 | 0 6 | 12 53 | 0 5 | 11 51 | 11 17 | 2 20 | 2 58 | 14 11 | 13 25 | 7 49 |
| M 6 | 16 12 | 14 23 | 3 2 | 11 56 | 5 3 | 19 7 | 4 12 | 15 15 | 0 54 | 22 50 | 0 7 | 17 33 | 0 29 | 23 17 | 0 6 | 12 54 | 0 5 | 11 52 | 11 16 | 2 17 | 2 57 | 14 8 | 13 26 | 7 49 |
| T 7 | 15 56 | 9 13 | 2 7 | 12 10 | 5 0 | 19 9 | 4 9 | 15 26 | 0 54 | 22 50 | 0 7 | 17 34 | 0 29 | 23 17 | 0 6 | 12 54 | 0 5 | 11 52 | 11 16 | 2 15 | 2 56 | 14 5 | 13 26 | 7 49 |
| W 8 | 15 38 | 3 42 | 1 7 | 12 24 | 4 56 | 19 11 | 4 6 | 15 37 | 0 55 | 22 51 | 0 7 | 17 35 | 0 29 | 23 17 | 0 6 | 12 55 | 0 5 | 11 52 | 11 16 | 2 14 | 2 54 | 14 2 | 13 27 | 7 49 |
| T 9 | 15 21 | 1n57 | 0 3 | 12 39 | 4 49 | 19 13 | 4 3 | 15 47 | 0 56 | 22 51 | 0 6 | 17 37 | 0 29 | 23 17 | 0 6 | 12 55 | 0 5 | 11 53 | 11 15 | 2 14 | 2 53 | 13 59 | 13 28 | 7 48 |
| F 10 | 15 3 | 7 36 | 1n 1 | 12 55 | 4 42 | 19 15 | 4 0 | 15 58 | 0 57 | 22 52 | 0 6 | 17 38 | 0 29 | 23 17 | 0 6 | 12 56 | 0 5 | 11 53 | 11 15 | 2 14 | 2 52 | 13 56 | 13 29 | 7 48 |
| S 11 | 14 46 | 13 4 | 2 4 | 13 11 | 4 32 | 19 17 | 3 57 | 16 9 | 0 57 | 22 52 | 0 6 | 17 39 | 0 29 | 23 17 | 0 6 | 12 57 | 0 5 | 11 53 | 11 14 | 2 14 | 2 51 | 13 53 | 13 30 | 7 48 |
| S 12 | 14 28 | 18 7 | 3 2 | 13 27 | 4 21 | 19 18 | 3 54 | 16 20 | 0 58 | 22 53 | 0 6 | 17 41 | 0 29 | 23 17 | 0 6 | 12 57 | 0 5 | 11 54 | 11 14 | 2 15 | 2 49 | 13 50 | 13 30 | 7 48 |
| M13 | 14 9 | 22 31 | 3 53 | 13 43 | 4 10 | 19 19 | 3 51 | 16 30 | 0 59 | 22 53 | 0 6 | 17 42 | 0 29 | 23 17 | 0 6 | 12 58 | 0 5 | 11 54 | 11 13 | 2 15 | 2 48 | 13 47 | 13 31 | 7 47 |
| T 14 | 13 51 | 25 56 | 4 34 | 13 58 | 3 57 | 19 20 | 3 47 | 16 41 | 1 0 | 22 54 | 0 6 | 17 43 | 0 29 | 23 17 | 0 6 | 12 58 | 0 5 | 11 55 | 11 13 | 2 15 | 2 47 | 13 44 | 13 32 | 7 47 |
| W15 | 13 32 | 28 0 | 5 0 | 14 13 | 3 43 | 19 20 | 3 44 | 16 52 | 1 0 | 22 54 | 0 6 | 17 44 | 0 29 | 23 17 | 0 6 | 12 59 | 0 5 | 11 55 | 11 13 | 2 13 | 2 46 | 13 41 | 13 33 | 7 47 |
| T 16 | 13 13 | 28 23 | 5 10 | 14 27 | 3 28 | 19 20 | 3 40 | 17 2 | 1 1 | 22 54 | 0 5 | 17 46 | 0 29 | 23 17 | 0 6 | 12 59 | 0 5 | 11 55 | 11 12 | 2 12 | 2 44 | 13 38 | 13 34 | 7 46 |
| F 17 | 12 54 | 26 50 | 5 1 | 14 40 | 3 13 | 19 20 | 3 36 | 17 13 | 1 2 | 22 55 | 0 5 | 17 47 | 0 29 | 23 17 | 0 6 | 13 0 | 0 5 | 11 56 | 11 12 | 2 10 | 2 43 | 13 35 | 13 35 | 7 46 |
| S 18 | 12 35 | 23 24 | 4 31 | 14 52 | 2 57 | 19 20 | 3 32 | 17 23 | 1 2 | 22 55 | 0 5 | 17 48 | 0 29 | 23 17 | 0 6 | 13 0 | 0 5 | 11 56 | 11 11 | 2 7 | 2 42 | 13 32 | 13 35 | 7 46 |
| S 19 | 12 15 | 18 20 | 3 42 | 15 2 | 2 40 | 19 19 | 3 28 | 17 34 | 1 3 | 22 55 | 0 5 | 17 49 | 0 30 | 23 17 | 0 6 | 13 1 | 0 5 | 11 57 | 11 11 | 2 5 | 2 41 | 13 28 | 13 36 | 7 45 |
| M20 | 11 55 | 12 4 | 2 37 | 15 11 | 2 24 | 19 18 | 3 25 | 17 44 | 1 4 | 22 56 | 0 5 | 17 50 | 0 30 | 23 17 | 0 6 | 13 2 | 0 5 | 11 57 | 11 11 | 2 4 | 2 39 | 13 25 | 13 37 | 7 45 |
| T 21 | 11 35 | 5 8 | 1 21 | 15 19 | 2 7 | 19 16 | 3 21 | 17 55 | 1 4 | 22 56 | 0 5 | 17 52 | 0 30 | 23 17 | 0 6 | 13 2 | 0 5 | 11 57 | 11 10 | 2 3 | 2 38 | 13 22 | 13 38 | 7 44 |
| W22 | 11 15 | 1s59 | 0 1 | 15 24 | 1 51 | 19 14 | 3 16 | 18 5 | 1 5 | 22 56 | 0 5 | 17 53 | 0 30 | 23 17 | 0 6 | 13 3 | 0 5 | 11 58 | 11 10 | 2 2 | 2 37 | 13 19 | 13 39 | 7 44 |
| T 23 | 10 55 | 8 51 | 1s18 | 15 27 | 1 34 | 19 12 | 3 12 | 18 15 | 1 6 | 22 57 | 0 4 | 17 54 | 0 30 | 23 17 | 0 6 | 13 3 | 0 5 | 11 58 | 11 9 | 2 3 | 2 36 | 13 16 | 13 40 | 7 44 |
| F 24 | 10 34 | 15 4 | 2 30 | 15 28 | 1 18 | 19 10 | 3 8 | 18 25 | 1 6 | 22 57 | 0 4 | 17 55 | 0 30 | 23 17 | 0 6 | 13 4 | 0 5 | 11 59 | 11 9 | 2 3 | 2 34 | 13 13 | 13 40 | 7 43 |
| S 25 | 10 14 | 20 20 | 3 31 | 15 27 | 1 2 | 19 7 | 3 4 | 18 35 | 1 7 | 22 57 | 0 4 | 17 56 | 0 30 | 23 17 | 0 6 | 13 4 | 0 5 | 11 59 | 11 8 | 2 4 | 2 33 | 13 10 | 13 41 | 7 43 |
| S 26 | 9 53 | 24 25 | 4 19 | 15 23 | 0 46 | 19 3 | 3 0 | 18 46 | 1 7 | 22 57 | 0 4 | 17 57 | 0 30 | 23 17 | 0 6 | 13 5 | 0 5 | 12 0 | 11 8 | 2 4 | 2 32 | 13 7 | 13 42 | 7 42 |
| M27 | 9 32 | 27 9 | 4 52 | 15 17 | 0 31 | 18 59 | 2 55 | 18 56 | 1 8 | 22 58 | 0 4 | 17 58 | 0 30 | 23 17 | 0 6 | 13 5 | 0 5 | 12 0 | 11 7 | 2 4 | 2 31 | 13 4 | 13 43 | 7 42 |
| T 28 | 9 11 | 28 25 | 5 9 | 15 8 | 0 16 | 18 55 | 2 51 | 19 5 | 1 9 | 22 58 | 0 4 | 17 59 | 0 30 | 23 17 | 0 6 | 13 6 | 0 5 | 12 0 | 11 7 | 2 3 | 2 29 | 13 1 | 13 44 | 7 41 |
| W29 | 8 50 | 28 14 | 5 13 | 14 56 | 0 2 | 18 50 | 2 46 | 19 15 | 1 9 | 22 58 | 0 4 | 18 1 | 0 30 | 23 17 | 0 6 | 13 7 | 0 5 | 12 1 | 11 7 | 2 2 | 2 28 | 12 58 | 13 44 | 7 41 |
| T 30 | 8 29 | 26 40 | 5 2 | 14 42 | 0n11 | 18 45 | 2 42 | 19 25 | 1 10 | 22 58 | 0 4 | 18 2 | 0 30 | 23 17 | 0 6 | 13 7 | 0 5 | 12 1 | 11 6 | 2 1 | 2 27 | 12 55 | 13 45 | 7 41 |
| F 31 | 8n 7 | 23s55 | 4s37 | 14n24 | 0n24 | 18n40 | 2s37 | 19s35 | 1s10 | 22s58 | 0n 3 | 18s 3 | 0s30 | 23s17 | 0s 6 | 13s 8 | 0s 5 | 12s 2 | 11n 6 | 1n59 | 2n26 | 12s51 | 13s46 | 7n40 |

Julian Day Number = 2814078.5, Delta T = 54m04s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°38'07, Lahiri = 37°45'07


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# ASTRODIENST EPHEMERIS for the year 2992
# geocentric

## SEPTEMBER 2992 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 45 4 | 10♍ 3'27 | 14♒46 | 23♌49 | 24♋43 | 23♏41 | 8°R40 | 10°R17 | 23°D53 | 25°R12 | 22°R36 | 4°R57 | 6♈ 6 | 3♓24 | 23°R10 | S 1 |
| S 2 | 22 49 1 | 11° 1'08 | 26°37 | 25°30 | 25°44 | 24°18 | 8♑40 | 10♒13 | 23♐53 | 25♒11 | 22°D36 | 4♈53 | 6° 2 | 3°30 | 23♑ 8 | S 2 |
| M 3 | 22 52 57 | 11°58'50 | 8♓26 | 27°14 | 26°46 | 24°54 | 8°40 | 10°10 | 23°53 | 25° 9 | 22♐36 | 4°50 | 5°59 | 3°37 | 23° 6 | M 3 |
| T 4 | 22 56 54 | 12°56'34 | 20°16 | 29° 1 | 27°48 | 25°31 | 8°D40 | 10° 7 | 23°54 | 25° 8 | 22°36 | 4°48 | 5°56 | 3°44 | 23° 4 | T 4 |
| W 5 | 23 0 50 | 13°54'19 | 2♈ 8 | 0♍51 | 28°51 | 26° 8 | 8°40 | 10° 3 | 23°54 | 25° 6 | 22°36 | 4°D47 | 5°53 | 3°50 | 23° 3 | W 5 |
| T 6 | 23 4 47 | 14°52'05 | 14° 6 | 2°43 | 29°53 | 26°45 | 8°40 | 10° 0 | 23°54 | 25° 5 | 22°36 | 4°48 | 5°50 | 3°57 | 23° 1 | T 6 |
| F 7 | 23 8 43 | 15°49'53 | 26°11 | 4°38 | 0♌56 | 27°22 | 8°41 | 9°57 | 23°54 | 25° 3 | 22°36 | 4°49 | 5°46 | 4° 4 | 22°59 | F 7 |
| S 8 | 23 12 40 | 16°47'42 | 8♉27 | 6°34 | 1°59 | 27°59 | 8°41 | 9°54 | 23°55 | 25° 2 | 22°36 | 4°50 | 5°43 | 4°10 | 22°58 | S 8 |
| S 9 | 23 16 37 | 17°45'33 | 20°56 | 8°31 | 3° 3 | 28°36 | 8°42 | 9°51 | 23°55 | 25° 0 | 22°37 | 4°51 | 5°40 | 4°17 | 22°56 | S 9 |
| M10 | 23 20 33 | 18°43'26 | 3♊43 | 10°29 | 4° 7 | 29°14 | 8°43 | 9°48 | 23°55 | 24°59 | 22°37 | 4°52 | 5°37 | 4°24 | 22°55 | M10 |
| T 11 | 23 24 30 | 19°41'20 | 16°50 | 12°28 | 5°11 | 29°52 | 8°45 | 9°45 | 23°56 | 24°57 | 22°37 | 4°R53 | 5°34 | 4°30 | 22°54 | T 11 |
| W12 | 23 28 26 | 20°39'17 | 0♋20 | 14°27 | 6°15 | 0♐29 | 8°46 | 9°42 | 23°57 | 24°56 | 22°37 | 4°53 | 5°31 | 4°37 | 22°53 | W12 |
| T 13 | 23 32 23 | 21°37'15 | 14°15 | 16°26 | 7°19 | 1° 7 | 8°48 | 9°39 | 23°57 | 24°54 | 22°38 | 4°52 | 5°27 | 4°44 | 22°51 | T 13 |
| F 14 | 23 36 19 | 22°35'15 | 28°34 | 18°24 | 8°24 | 1°45 | 8°50 | 9°37 | 23°58 | 24°53 | 22°38 | 4°51 | 5°24 | 4°50 | 22°50 | F 14 |
| S 15 | 23 40 16 | 23°33'16 | 13♌15 | 20°22 | 9°29 | 2°24 | 8°52 | 9°34 | 23°59 | 24°52 | 22°39 | 4°49 | 5°21 | 4°57 | 22°49 | S 15 |
| S 16 | 23 44 12 | 24°31'20 | 28°12 | 22°20 | 10°34 | 3° 2 | 8°54 | 9°32 | 23°59 | 24°50 | 22°39 | 4°48 | 5°18 | 5° 4 | 22°48 | S 16 |
| M17 | 23 48 9 | 25°29'25 | 13♍18 | 24°17 | 11°40 | 3°41 | 8°56 | 9°29 | 24° 0 | 24°49 | 22°40 | 4°47 | 5°15 | 5°10 | 22°48 | M17 |
| T 18 | 23 52 6 | 26°27'31 | 28°25 | 26°13 | 12°46 | 4°19 | 8°59 | 9°27 | 24° 1 | 24°48 | 22°40 | 4°D47 | 5°12 | 5°17 | 22°47 | T 18 |
| W19 | 23 56 2 | 27°25'39 | 13♎22 | 28° 8 | 13°51 | 4°58 | 9° 1 | 9°25 | 24° 2 | 24°46 | 22°41 | 4°47 | 5° 8 | 5°24 | 22°46 | W19 |
| T 20 | 23 59 59 | 28°23'49 | 28° 3 | 0♎ 2 | 14°57 | 5°37 | 9° 4 | 9°22 | 24° 3 | 24°45 | 22°41 | 4°47 | 5° 5 | 5°30 | 22°46 | T 20 |
| F 21 | 0 3 55 | 29°22'01 | 12♏20 | 1°55 | 16° 4 | 6°16 | 9° 8 | 9°20 | 24° 4 | 24°44 | 22°42 | 4°48 | 5° 2 | 5°37 | 22°45 | F 21 |
| S 22 | 0 7 52 | 0♎20'13 | 26°12 | 3°47 | 17°10 | 6°55 | 9°11 | 9°18 | 24° 5 | 24°42 | 22°43 | 4°48 | 4°59 | 5°44 | 22°45 | S 22 |
| S 23 | 0 11 48 | 1°18'28 | 9♐38 | 5°38 | 18°17 | 7°34 | 9°14 | 9°16 | 24° 6 | 24°41 | 22°43 | 4°49 | 4°56 | 5°50 | 22°44 | S 23 |
| M24 | 0 15 45 | 2°16'43 | 22°38 | 7°27 | 19°24 | 8°14 | 9°18 | 9°15 | 24° 7 | 24°40 | 22°44 | 4°49 | 4°52 | 5°57 | 22°44 | M24 |
| T 25 | 0 19 41 | 3°15'01 | 5♑16 | 9°16 | 20°31 | 8°53 | 9°22 | 9°13 | 24° 8 | 24°39 | 22°45 | 4°R49 | 4°49 | 6° 4 | 22°44 | T 25 |
| W26 | 0 23 38 | 4°13'19 | 17°37 | 11° 3 | 21°38 | 9°33 | 9°26 | 9°11 | 24°10 | 24°38 | 22°46 | 4°49 | 4°46 | 6°10 | 22°44 | W26 |
| T 27 | 0 27 35 | 5°11'40 | 29°43 | 12°50 | 22°45 | 10°13 | 9°30 | 9°10 | 24°11 | 24°37 | 22°46 | 4°D49 | 4°43 | 6°17 | 22°D44 | T 27 |
| F 28 | 0 31 31 | 6°10'01 | 11♒39 | 14°35 | 23°53 | 10°53 | 9°34 | 9° 8 | 24°12 | 24°35 | 22°47 | 4°49 | 4°40 | 6°24 | 22°44 | F 28 |
| S 29 | 0 35 28 | 7° 8'24 | 23°30 | 16°19 | 25° 1 | 11°33 | 9°39 | 9° 7 | 24°14 | 24°34 | 22°48 | 4°49 | 4°37 | 6°30 | 22°44 | S 29 |
| S 30 | 0 39 24 | 8♎ 6'49 | 5♓19 | 18♎ 2 | 26♌ 9 | 12♐13 | 9♑43 | 9♒ 6 | 24♐15 | 24♒33 | 22♐49 | 4♈49 | 4♈33 | 6♓37 | 22♑44 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n45 | 20s10 | 4s 1 | 14n 4 | 0n36 | 18n34 | 2s33 | 19s44 | 1s11 | 22s59 | 0n 3 | 18s 4 | 0s30 | 23s17 | 0s 6 | 13s 8 | 0s 5 | 12s 2 | 11n 5 | 1n57 | 2n24 | 12s48 | 13s47 | 7n40 |
| S 2 | 7 24 | 15 38 | 3 15 | 13 41 | 0 47 | 18 27 | 2 28 | 19 54 | 1 11 | 22 59 | 0 3 | 18 5 | 0 30 | 23 17 | 0 6 | 13 9 | 0 5 | 12 3 | 11 5 | 1 56 | 2 23 | 12 45 | 13 48 | 7 39 |
| M 3 | 7 2 | 10 32 | 2 20 | 13 16 | 0 57 | 18 20 | 2 24 | 20 3 | 1 12 | 22 59 | 0 3 | 18 6 | 0 30 | 23 17 | 0 6 | 13 9 | 0 5 | 12 3 | 11 4 | 1 55 | 2 22 | 12 42 | 13 48 | 7 39 |
| T 4 | 6 40 | 5 3 | 1 19 | 12 47 | 1 6 | 18 13 | 2 19 | 20 13 | 1 12 | 22 59 | 0 3 | 18 7 | 0 31 | 23 17 | 0 6 | 13 10 | 0 5 | 12 4 | 11 4 | 1 54 | 2 21 | 12 39 | 13 49 | 7 38 |
| W 5 | 6 18 | 0n37 | 0 15 | 12 16 | 1 14 | 18 5 | 2 15 | 20 22 | 1 13 | 22 59 | 0 3 | 18 8 | 0 31 | 23 17 | 0 6 | 13 10 | 0 5 | 12 4 | 11 3 | 1 54 | 2 19 | 12 36 | 13 50 | 7 38 |
| T 6 | 5 56 | 6 19 | 0n51 | 11 43 | 1 21 | 17 57 | 2 10 | 20 31 | 1 13 | 22 59 | 0 3 | 18 8 | 0 31 | 23 17 | 0 6 | 13 11 | 0 5 | 12 5 | 11 3 | 1 54 | 2 18 | 12 33 | 13 51 | 7 37 |
| F 7 | 5 34 | 11 51 | 1 56 | 11 7 | 1 27 | 17 48 | 2 5 | 20 40 | 1 14 | 22 59 | 0 3 | 18 9 | 0 31 | 23 17 | 0 6 | 13 11 | 0 5 | 12 5 | 11 2 | 1 54 | 2 17 | 12 30 | 13 51 | 7 37 |
| S 8 | 5 11 | 17 1 | 2 55 | 10 30 | 1 33 | 17 39 | 2 1 | 20 49 | 1 14 | 22 59 | 0 2 | 18 10 | 0 31 | 23 17 | 0 6 | 13 12 | 0 5 | 12 5 | 11 2 | 1 55 | 2 16 | 12 26 | 13 52 | 7 36 |
| S 9 | 4 49 | 21 34 | 3 48 | 9 50 | 1 37 | 17 29 | 1 56 | 20 58 | 1 15 | 22 59 | 0 2 | 18 11 | 0 31 | 23 17 | 0 6 | 13 12 | 0 5 | 12 6 | 11 2 | 1 55 | 2 14 | 12 23 | 13 53 | 7 35 |
| M10 | 4 26 | 25 13 | 4 31 | 9 9 | 1 41 | 17 19 | 1 51 | 21 6 | 1 15 | 23 0 | 0 2 | 18 12 | 0 31 | 23 17 | 0 6 | 13 13 | 0 5 | 12 6 | 11 1 | 1 56 | 2 13 | 12 20 | 13 54 | 7 35 |
| T 11 | 4 4 | 27 40 | 5 1 | 8 26 | 1 43 | 17 9 | 1 47 | 21 15 | 1 16 | 23 0 | 0 2 | 18 13 | 0 31 | 23 17 | 0 6 | 13 13 | 0 5 | 12 7 | 11 1 | 1 56 | 2 12 | 12 17 | 13 54 | 7 34 |
| W12 | 3 41 | 28 34 | 5 16 | 7 42 | 1 45 | 16 58 | 1 42 | 21 23 | 1 16 | 23 0 | 0 2 | 18 14 | 0 31 | 23 17 | 0 6 | 13 14 | 0 5 | 12 7 | 11 0 | 1 56 | 2 11 | 12 14 | 13 55 | 7 34 |
| T 13 | 3 18 | 27 44 | 5 12 | 6 57 | 1 46 | 16 46 | 1 37 | 21 31 | 1 16 | 23 0 | 0 2 | 18 14 | 0 31 | 23 17 | 0 6 | 13 14 | 0 5 | 12 8 | 11 0 | 1 55 | 2 9 | 12 11 | 13 56 | 7 33 |
| F 14 | 2 56 | 25 4 | 4 50 | 6 11 | 1 46 | 16 34 | 1 33 | 21 40 | 1 17 | 23 0 | 0 2 | 18 15 | 0 31 | 23 17 | 0 6 | 13 15 | 0 5 | 12 8 | 10 59 | 1 55 | 2 8 | 12 8 | 13 57 | 7 33 |
| S 15 | 2 33 | 20 43 | 4 8 | 5 25 | 1 46 | 16 22 | 1 28 | 21 48 | 1 17 | 23 0 | 0 2 | 18 16 | 0 31 | 23 17 | 0 6 | 13 15 | 0 5 | 12 9 | 10 59 | 1 54 | 2 7 | 12 4 | 13 57 | 7 32 |
| S 16 | 2 10 | 15 0 | 3 9 | 4 38 | 1 44 | 16 9 | 1 23 | 21 55 | 1 18 | 23 0 | 0 1 | 18 16 | 0 31 | 23 17 | 0 6 | 13 16 | 0 5 | 12 9 | 10 58 | 1 54 | 2 6 | 12 1 | 13 58 | 7 32 |
| M17 | 1 47 | 8 19 | 1 56 | 3 50 | 1 43 | 15 56 | 1 19 | 22 3 | 1 18 | 23 0 | 0 1 | 18 17 | 0 31 | 23 17 | 0 6 | 13 16 | 0 5 | 12 10 | 10 58 | 1 54 | 2 4 | 11 58 | 13 59 | 7 31 |
| T 18 | 1 24 | 1 10 | 0 35 | 3 2 | 1 40 | 15 42 | 1 14 | 22 11 | 1 18 | 22 59 | 0 1 | 18 18 | 0 31 | 23 17 | 0 6 | 13 17 | 0 5 | 12 10 | 10 57 | 1 53 | 2 3 | 11 55 | 13 59 | 7 30 |
| W19 | 1 1 | 5s59 | 0s48 | 2 14 | 1 37 | 15 28 | 1 10 | 22 18 | 1 19 | 22 59 | 0 1 | 18 18 | 0 31 | 23 17 | 0 6 | 13 17 | 0 6 | 12 11 | 10 57 | 1 53 | 2 2 | 11 52 | 14 0 | 7 30 |
| T 20 | 0 38 | 12 41 | 2 6 | 1 26 | 1 34 | 15 13 | 1 5 | 22 26 | 1 19 | 22 59 | 0 1 | 18 19 | 0 31 | 23 17 | 0 6 | 13 17 | 0 6 | 12 11 | 10 56 | 1 54 | 2 1 | 11 49 | 14 1 | 7 29 |
| F 21 | 0 15 | 18 32 | 3 14 | 0 37 | 1 30 | 14 58 | 1 1 | 22 33 | 1 19 | 22 59 | 0 1 | 18 20 | 0 31 | 23 17 | 0 6 | 13 18 | 0 6 | 12 12 | 10 56 | 1 54 | 1 59 | 11 46 | 14 1 | 7 29 |
| S 22 | 0s 8 | 23 13 | 4 8 | 0s11 | 1 26 | 14 43 | 0 56 | 22 40 | 1 20 | 22 59 | 0 1 | 18 20 | 0 31 | 23 17 | 0 6 | 13 18 | 0 6 | 12 12 | 10 56 | 1 54 | 1 58 | 11 42 | 14 2 | 7 28 |
| S 23 | 0 31 | 26 31 | 4 48 | 0 59 | 1 21 | 14 27 | 0 52 | 22 47 | 1 20 | 22 59 | 0 1 | 18 21 | 0 31 | 23 17 | 0 6 | 13 19 | 0 6 | 12 13 | 10 55 | 1 54 | 1 57 | 11 39 | 14 3 | 7 28 |
| M24 | 0 54 | 28 17 | 5 10 | 1 47 | 1 16 | 14 11 | 0 47 | 22 53 | 1 20 | 22 59 | 0 0 | 18 21 | 0 31 | 23 17 | 0 6 | 13 19 | 0 6 | 12 13 | 10 55 | 1 54 | 1 56 | 11 36 | 14 3 | 7 27 |
| T 25 | 1 17 | 28 30 | 5 18 | 2 34 | 1 11 | 13 54 | 0 43 | 23 0 | 1 21 | 22 59 | 0 0 | 18 22 | 0 31 | 23 17 | 0 6 | 13 20 | 0 6 | 12 14 | 10 54 | 1 54 | 1 54 | 11 33 | 14 4 | 7 26 |
| W26 | 1 40 | 27 17 | 5 10 | 3 21 | 1 5 | 13 37 | 0 38 | 23 6 | 1 21 | 22 59 | 0 0 | 18 22 | 0 32 | 23 17 | 0 6 | 13 20 | 0 6 | 12 14 | 10 54 | 1 54 | 1 53 | 11 30 | 14 4 | 7 26 |
| T 27 | 2 3 | 24 48 | 4 48 | 4 8 | 0 59 | 13 19 | 0 34 | 23 12 | 1 21 | 22 58 | 0 0 | 18 23 | 0 32 | 23 18 | 0 6 | 13 20 | 0 6 | 12 15 | 10 53 | 1 54 | 1 52 | 11 26 | 14 5 | 7 25 |
| F 28 | 2 26 | 21 16 | 4 14 | 4 54 | 0 53 | 13 1 | 0 30 | 23 18 | 1 22 | 22 58 | 0 0 | 18 23 | 0 32 | 23 18 | 0 6 | 13 21 | 0 6 | 12 15 | 10 53 | 1 54 | 1 51 | 11 23 | 14 6 | 7 25 |
| S 29 | 2 49 | 16 55 | 3 30 | 5 39 | 0 47 | 12 43 | 0 25 | 23 24 | 1 22 | 22 58 | 0s 0 | 18 23 | 0 32 | 23 18 | 0 6 | 13 21 | 0 6 | 12 16 | 10 52 | 1 54 | 1 49 | 11 20 | 14 6 | 7 24 |
| S 30 | 3s12 | 11s57 | 2s37 | 6s25 | 0n41 | 12n24 | 0s21 | 23s30 | 1s22 | 22s58 | 0s 0 | 18s24 | 0s32 | 23s18 | 0s 6 | 13s21 | 0s 6 | 12s16 | 10n52 | 1n54 | 1n48 | 11s17 | 14s 7 | 7n23 |

Julian Day Number = 2814109.5, Delta T = 54m04s
Ecliptic obliquity = 23°18'48, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°38'11, Lahiri = 37°45'11


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# ASTRODIENST EPHEMERIS for the year 2992
# geocentric

## OCTOBER 2992 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 0 43 21 | 9♎ 5'16 | 17♓ 9 | 19♎43 | 27♌17 | 12♐53 | 9♑48 | 9°R 5 | 24♐17 | 24°R32 | 22♐50 | 4♈50 | 4♈30 | 6♓44 | 22♑45 | M 1 |
| T 2 | 0 47 17 | 10° 3'44 | 29° 3 | 21°24 | 28°25 | 13°33 | 9°53 | 9♒ 4 | 24°18 | 24♒31 | 22°51 | 4°R50 | 4°27 | 6°50 | 22°45 | T 2 |
| W 3 | 0 51 14 | 11° 2'13 | 11♈ 3 | 23° 4 | 29°33 | 14°14 | 9°58 | 9° 3 | 24°20 | 24°30 | 22°52 | 4°50 | 4°24 | 6°57 | 22°46 | W 3 |
| T 4 | 0 55 10 | 12° 0'45 | 23°12 | 24°43 | 0♍42 | 14°54 | 10° 4 | 9° 2 | 24°22 | 24°29 | 22°53 | 4°50 | 4°21 | 7° 4 | 22°46 | T 4 |
| F 5 | 0 59 7 | 12°59'19 | 5♉31 | 26°20 | 1°51 | 15°35 | 10° 9 | 9° 1 | 24°23 | 24°28 | 22°54 | 4°49 | 4°18 | 7°10 | 22°47 | F 5 |
| S 6 | 1 3 3 | 13°57'55 | 18° 1 | 27°57 | 3° 0 | 16°16 | 10°15 | 9° 0 | 24°25 | 24°27 | 22°55 | 4°48 | 4°14 | 7°17 | 22°47 | S 6 |
| S 7 | 1 7 0 | 14°56'33 | 0♊44 | 29°33 | 4° 9 | 16°57 | 10°21 | 9° 0 | 24°27 | 24°26 | 22°56 | 4°46 | 4°11 | 7°24 | 22°48 | S 7 |
| M 8 | 1 10 57 | 15°55'12 | 13°41 | 1♏ 8 | 5°18 | 17°38 | 10°27 | 8°59 | 24°29 | 24°26 | 22°57 | 4°45 | 4° 8 | 7°30 | 22°49 | M 8 |
| T 9 | 1 14 53 | 16°53'55 | 26°54 | 2°41 | 6°27 | 18°19 | 10°33 | 8°59 | 24°31 | 24°25 | 22°59 | 4°44 | 4° 5 | 7°37 | 22°50 | T 9 |
| W10 | 1 18 50 | 17°52'39 | 10♋24 | 4°14 | 7°37 | 19° 0 | 10°39 | 8°59 | 24°33 | 24°24 | 23° 0 | 4°43 | 4° 2 | 7°44 | 22°51 | W10 |
| T 11 | 1 22 46 | 18°51'26 | 24°12 | 5°46 | 8°46 | 19°41 | 10°45 | 8°58 | 24°35 | 24°23 | 23° 1 | 4°D43 | 3°58 | 7°50 | 22°52 | T 11 |
| F 12 | 1 26 43 | 19°50'14 | 8♌18 | 7°17 | 9°56 | 20°23 | 10°52 | 8°D58 | 24°37 | 24°22 | 23° 2 | 4°44 | 3°55 | 7°57 | 22°54 | F 12 |
| S 13 | 1 30 39 | 20°49'05 | 22°40 | 8°47 | 11° 6 | 21° 4 | 10°59 | 8°58 | 24°39 | 24°22 | 23° 4 | 4°45 | 3°52 | 8° 4 | 22°55 | S 13 |
| S 14 | 1 34 36 | 21°47'59 | 7♍16 | 10°16 | 12°16 | 21°46 | 11° 6 | 8°58 | 24°41 | 24°21 | 23° 5 | 4°46 | 3°49 | 8°10 | 22°56 | S 14 |
| M15 | 1 38 33 | 22°46'54 | 22° 1 | 11°45 | 13°26 | 22°28 | 11°13 | 8°59 | 24°43 | 24°20 | 23° 6 | 4°47 | 3°46 | 8°17 | 22°58 | M15 |
| T 16 | 1 42 29 | 23°45'51 | 6♎50 | 13°12 | 14°37 | 23° 9 | 11°20 | 8°59 | 24°45 | 24°20 | 23° 8 | 4°R47 | 3°43 | 8°24 | 22°59 | T 16 |
| W17 | 1 46 26 | 24°44'51 | 21°34 | 14°38 | 15°47 | 23°51 | 11°27 | 8°59 | 24°47 | 24°19 | 23° 9 | 4°47 | 3°39 | 8°30 | 23° 1 | W17 |
| T 18 | 1 50 22 | 25°43'52 | 6♏ 8 | 16° 4 | 16°58 | 24°33 | 11°35 | 9° 0 | 24°50 | 24°18 | 23°11 | 4°45 | 3°36 | 8°37 | 23° 2 | T 18 |
| F 19 | 1 54 19 | 26°42'56 | 20°24 | 17°28 | 18° 8 | 25°16 | 11°42 | 9° 1 | 24°52 | 24°18 | 23°12 | 4°42 | 3°33 | 8°44 | 23° 4 | F 19 |
| S 20 | 1 58 15 | 27°42'01 | 4♐19 | 18°51 | 19°19 | 25°58 | 11°50 | 9° 1 | 24°54 | 24°17 | 23°14 | 4°39 | 3°30 | 8°50 | 23° 6 | S 20 |
| S 21 | 2 2 12 | 28°41'08 | 17°49 | 20°14 | 20°30 | 26°40 | 11°58 | 9° 2 | 24°57 | 24°17 | 23°15 | 4°36 | 3°27 | 8°57 | 23° 8 | S 21 |
| M22 | 2 6 8 | 29°40'17 | 0♑54 | 21°35 | 21°41 | 27°23 | 12° 6 | 9° 3 | 24°59 | 24°16 | 23°17 | 4°32 | 3°23 | 9° 4 | 23°10 | M22 |
| T 23 | 2 10 5 | 0♏39'28 | 13°35 | 22°55 | 22°52 | 28° 5 | 12°14 | 9° 4 | 25° 2 | 24°16 | 23°18 | 4°30 | 3°20 | 9°10 | 23°12 | T 23 |
| W24 | 2 14 2 | 1°38'41 | 25°57 | 24°14 | 24° 3 | 28°48 | 12°22 | 9° 5 | 25° 4 | 24°16 | 23°20 | 4°29 | 3°17 | 9°17 | 23°14 | W24 |
| T 25 | 2 17 58 | 2°37'55 | 8♒ 4 | 25°32 | 25°15 | 29°30 | 12°31 | 9° 6 | 25° 7 | 24°15 | 23°22 | 4°D29 | 3°14 | 9°24 | 23°17 | T 25 |
| F 26 | 2 21 55 | 3°37'11 | 20° 0 | 26°48 | 26°26 | 0♑13 | 12°39 | 9° 8 | 25° 9 | 24°15 | 23°23 | 4°30 | 3°11 | 9°30 | 23°19 | F 26 |
| S 27 | 2 25 51 | 4°36'28 | 1♓49 | 28° 3 | 27°37 | 0°56 | 12°48 | 9° 9 | 25°12 | 24°15 | 23°25 | 4°32 | 3° 8 | 9°37 | 23°21 | S 27 |
| S 28 | 2 29 48 | 5°35'48 | 13°38 | 29°17 | 28°49 | 1°39 | 12°57 | 9°11 | 25°15 | 24°14 | 23°27 | 4°33 | 3° 4 | 9°43 | 23°24 | S 28 |
| M29 | 2 33 44 | 6°35'09 | 25°30 | 0♐29 | 0♎ 1 | 2°22 | 13° 5 | 9°12 | 25°17 | 24°14 | 23°28 | 4°35 | 3° 1 | 9°50 | 23°26 | M29 |
| T 30 | 2 37 41 | 7°34'31 | 7♈30 | 1°39 | 1°13 | 3° 5 | 13°14 | 9°14 | 25°20 | 24°14 | 23°30 | 4°R35 | 2°58 | 9°57 | 23°29 | T 30 |
| W31 | 2 41 37 | 8♏33'56 | 19♈39 | 2♐47 | 2♎24 | 3♑49 | 13♑24 | 9♒16 | 25♐23 | 24♒14 | 23♐32 | 4♈34 | 2♈55 | 10♓ 3 | 23♑31 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 3s35 | 6s32 | 1s37 | 7s 9 | 0n34 | 12n 5 | 0s17 | 23s35 | 1s23 | 22s57 | 0s 0 | 18s24 | 0s32 | 23s18 | 0s 6 | 13s22 | 0s 6 | 12s17 | 10n52 | 1n55 | 1n47 | 11s14 | 14s 7 | 7n23 |
| T 2 | 3 58 | 0 52 | 0 32 | 7 53 | 0 27 | 11 46 | 0 13 | 23 41 | 1 23 | 22 57 | 0 0 | 18 24 | 0 32 | 23 18 | 0 6 | 13 22 | 0 6 | 12 17 | 10 51 | 1 55 | 1 46 | 11 11 | 14 8 | 7 22 |
| W 3 | 4 21 | 4n53 | 0n34 | 8 37 | 0 20 | 11 26 | 0 9 | 23 46 | 1 23 | 22 57 | 0 1 | 18 25 | 0 32 | 23 18 | 0 6 | 13 22 | 0 6 | 12 17 | 10 51 | 1 55 | 1 44 | 11 7 | 14 8 | 7 22 |
| T 4 | 4 43 | 10 31 | 1 40 | 9 19 | 0 13 | 11 6 | 0 5 | 23 51 | 1 23 | 22 57 | 0 1 | 18 25 | 0 32 | 23 18 | 0 6 | 13 23 | 0 6 | 12 18 | 10 50 | 1 54 | 1 43 | 11 4 | 14 9 | 7 21 |
| F 5 | 5 6 | 15 50 | 2 42 | 10 1 | 0 6 | 10 45 | 0 1 | 23 55 | 1 23 | 22 56 | 0 1 | 18 25 | 0 32 | 23 18 | 0 6 | 13 23 | 0 6 | 12 18 | 10 50 | 1 54 | 1 42 | 11 1 | 14 9 | 7 20 |
| S 6 | 5 29 | 20 35 | 3 37 | 10 43 | 0s 1 | 10 24 | 0n 3 | 24 0 | 1 24 | 22 56 | 0 1 | 18 25 | 0 32 | 23 18 | 0 6 | 13 23 | 0 6 | 12 19 | 10 49 | 1 54 | 1 41 | 10 58 | 14 10 | 7 20 |
| S 7 | 5 51 | 24 29 | 4 23 | 11 23 | 0 9 | 10 3 | 0 7 | 24 4 | 1 24 | 22 56 | 0 1 | 18 26 | 0 32 | 23 18 | 0 6 | 13 24 | 0 6 | 12 19 | 10 49 | 1 53 | 1 39 | 10 55 | 14 10 | 7 19 |
| M 8 | 6 14 | 27 13 | 4 56 | 12 3 | 0 16 | 9 41 | 0 11 | 24 8 | 1 24 | 22 55 | 0 1 | 18 26 | 0 32 | 23 18 | 0 6 | 13 24 | 0 6 | 12 20 | 10 49 | 1 53 | 1 38 | 10 51 | 14 11 | 7 19 |
| T 9 | 6 36 | 28 30 | 5 14 | 12 43 | 0 23 | 9 20 | 0 15 | 24 12 | 1 24 | 22 55 | 0 1 | 18 26 | 0 32 | 23 18 | 0 6 | 13 24 | 0 6 | 12 20 | 10 48 | 1 52 | 1 37 | 10 48 | 14 11 | 7 18 |
| W10 | 6 59 | 28 8 | 5 15 | 13 21 | 0 31 | 8 57 | 0 19 | 24 16 | 1 24 | 22 55 | 0 1 | 18 26 | 0 32 | 23 18 | 0 6 | 13 25 | 0 6 | 12 21 | 10 48 | 1 52 | 1 36 | 10 45 | 14 12 | 7 17 |
| T 11 | 7 21 | 26 3 | 4 59 | 13 59 | 0 38 | 8 35 | 0 22 | 24 19 | 1 25 | 22 54 | 0 1 | 18 26 | 0 32 | 23 19 | 0 6 | 13 25 | 0 6 | 12 21 | 10 47 | 1 52 | 1 34 | 10 42 | 14 12 | 7 17 |
| F 12 | 7 43 | 22 20 | 4 24 | 14 35 | 0 46 | 8 12 | 0 26 | 24 23 | 1 25 | 22 54 | 0 1 | 18 26 | 0 32 | 23 19 | 0 6 | 13 25 | 0 6 | 12 22 | 10 47 | 1 52 | 1 33 | 10 38 | 14 12 | 7 16 |
| S 13 | 8 5 | 17 14 | 3 32 | 15 11 | 0 53 | 7 49 | 0 29 | 24 26 | 1 25 | 22 53 | 0 2 | 18 26 | 0 32 | 23 19 | 0 6 | 13 25 | 0 6 | 12 22 | 10 47 | 1 53 | 1 32 | 10 35 | 14 13 | 7 16 |
| S 14 | 8 27 | 11 4 | 2 26 | 15 47 | 1 0 | 7 26 | 0 33 | 24 29 | 1 25 | 22 53 | 0 2 | 18 26 | 0 32 | 23 19 | 0 6 | 13 26 | 0 6 | 12 23 | 10 46 | 1 53 | 1 31 | 10 32 | 14 13 | 7 15 |
| M15 | 8 49 | 4 13 | 1 10 | 16 21 | 1 8 | 7 2 | 0 36 | 24 31 | 1 25 | 22 52 | 0 2 | 18 26 | 0 32 | 23 19 | 0 6 | 13 26 | 0 6 | 12 23 | 10 46 | 1 53 | 1 29 | 10 29 | 14 14 | 7 14 |
| T 16 | 9 11 | 2s52 | 0s11 | 16 54 | 1 15 | 6 38 | 0 39 | 24 34 | 1 25 | 22 52 | 0 2 | 18 26 | 0 32 | 23 19 | 0 6 | 13 26 | 0 6 | 12 24 | 10 45 | 1 54 | 1 28 | 10 26 | 14 14 | 7 14 |
| W17 | 9 32 | 9 47 | 1 31 | 17 27 | 1 22 | 6 14 | 0 43 | 24 36 | 1 26 | 22 51 | 0 2 | 18 26 | 0 32 | 23 19 | 0 6 | 13 26 | 0 6 | 12 24 | 10 45 | 1 53 | 1 27 | 10 22 | 14 14 | 7 13 |
| T 18 | 9 54 | 16 5 | 2 44 | 17 59 | 1 29 | 5 50 | 0 46 | 24 38 | 1 26 | 22 51 | 0 2 | 18 26 | 0 32 | 23 19 | 0 6 | 13 26 | 0 6 | 12 24 | 10 45 | 1 53 | 1 26 | 10 19 | 14 15 | 7 13 |
| F 19 | 10 15 | 21 23 | 3 46 | 18 29 | 1 36 | 5 25 | 0 49 | 24 39 | 1 26 | 22 50 | 0 2 | 18 26 | 0 32 | 23 19 | 0 6 | 13 27 | 0 6 | 12 25 | 10 44 | 1 52 | 1 24 | 10 16 | 14 15 | 7 12 |
| S 20 | 10 36 | 25 21 | 4 32 | 18 59 | 1 43 | 5 0 | 0 52 | 24 41 | 1 26 | 22 50 | 0 2 | 18 25 | 0 32 | 23 19 | 0 6 | 13 27 | 0 6 | 12 25 | 10 44 | 1 50 | 1 23 | 10 13 | 14 15 | 7 12 |
| S 21 | 10 57 | 27 45 | 5 1 | 19 28 | 1 49 | 4 35 | 0 55 | 24 42 | 1 26 | 22 49 | 0 2 | 18 25 | 0 32 | 23 19 | 0 6 | 13 27 | 0 6 | 12 26 | 10 43 | 1 49 | 1 22 | 10 9 | 14 15 | 7 11 |
| M22 | 11 18 | 28 32 | 5 14 | 19 56 | 1 56 | 4 10 | 0 58 | 24 43 | 1 26 | 22 48 | 0 2 | 18 25 | 0 32 | 23 20 | 0 6 | 13 27 | 0 6 | 12 26 | 10 43 | 1 48 | 1 20 | 10 6 | 14 16 | 7 10 |
| T 23 | 11 39 | 27 46 | 5 10 | 20 23 | 2 2 | 3 45 | 1 1 | 24 44 | 1 26 | 22 48 | 0 3 | 18 25 | 0 32 | 23 20 | 0 6 | 13 27 | 0 6 | 12 27 | 10 43 | 1 47 | 1 19 | 10 3 | 14 16 | 7 10 |
| W24 | 11 59 | 25 38 | 4 53 | 20 48 | 2 8 | 3 19 | 1 3 | 24 45 | 1 26 | 22 47 | 0 3 | 18 25 | 0 32 | 23 20 | 0 6 | 13 27 | 0 6 | 12 27 | 10 42 | 1 46 | 1 18 | 10 0 | 14 16 | 7 9 |
| T 25 | 12 19 | 22 22 | 4 22 | 21 13 | 2 14 | 2 54 | 1 6 | 24 45 | 1 26 | 22 46 | 0 3 | 18 24 | 0 32 | 23 20 | 0 6 | 13 28 | 0 6 | 12 28 | 10 42 | 1 46 | 1 17 | 9 56 | 14 16 | 7 9 |
| F 26 | 12 39 | 18 14 | 3 41 | 21 37 | 2 20 | 2 28 | 1 9 | 24 45 | 1 26 | 22 46 | 0 3 | 18 24 | 0 32 | 23 20 | 0 6 | 13 28 | 0 6 | 12 28 | 10 42 | 1 47 | 1 15 | 9 53 | 14 16 | 7 8 |
| S 27 | 12 59 | 13 25 | 2 50 | 21 59 | 2 26 | 2 2 | 1 11 | 24 45 | 1 26 | 22 45 | 0 3 | 18 24 | 0 32 | 23 20 | 0 6 | 13 28 | 0 6 | 12 28 | 10 41 | 1 47 | 1 14 | 9 50 | 14 17 | 7 8 |
| S 28 | 13 19 | 8 8 | 1 52 | 22 21 | 2 31 | 1 36 | 1 14 | 24 45 | 1 26 | 22 44 | 0 3 | 18 23 | 0 32 | 23 20 | 0 6 | 13 28 | 0 6 | 12 29 | 10 41 | 1 48 | 1 13 | 9 47 | 14 17 | 7 7 |
| M29 | 13 39 | 2 32 | 0 50 | 22 41 | 2 36 | 1 9 | 1 16 | 24 44 | 1 26 | 22 43 | 0 3 | 18 23 | 0 32 | 23 20 | 0 6 | 13 28 | 0 6 | 12 29 | 10 41 | 1 49 | 1 12 | 9 43 | 14 17 | 7 6 |
| T 30 | 13 58 | 3n12 | 0n16 | 23 0 | 2 41 | 0 43 | 1 18 | 24 43 | 1 26 | 22 43 | 0 3 | 18 22 | 0 32 | 23 20 | 0 6 | 13 28 | 0 6 | 12 30 | 10 40 | 1 49 | 1 10 | 9 40 | 14 17 | 7 6 |
| W31 | 14s17 | 8n54 | 1n21 | 23s18 | 2s45 | 0n17 | 1n20 | 24s42 | 1s26 | 22s42 | 0s 3 | 18s22 | 0s32 | 23s20 | 0s 7 | 13s28 | 0s 6 | 12s30 | 10n40 | 1n48 | 1n 9 | 9s37 | 14s17 | 7n 5 |

Julian Day Number = 2814139.5, Delta T = 54m05s
Ecliptic obliquity = 23°18'48, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°38'15, Lahiri = 37°45'16


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# ASTRODIENST EPHEMERIS for the year 2992
# geocentric

## NOVEMBER 2992 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 45 34 | 9♏33'23 | 2♉ 2 | 3♐53 | 3♎36 | 4♑32 | 13♑33 | 9♒18 | 25♐26 | 24°R14 | 23♐34 | 4°R31 | 2♈52 | 10♓10 | 23♑34 | T 1 |
| F 2 | 2 49 30 | 10°32'51 | 14°38 | 4°57 | 4°49 | 5°15 | 13°42 | 9°20 | 25°29 | 24♒14 | 23°35 | 4♈27 | 2°49 | 10°17 | 23°37 | F 2 |
| S 3 | 2 53 27 | 11°32'22 | 27°28 | 5°59 | 6° 1 | 5°59 | 13°52 | 9°22 | 25°31 | 24°13 | 23°37 | 4°21 | 2°45 | 10°23 | 23°40 | S 3 |
| S 4 | 2 57 24 | 12°31'55 | 10♊33 | 6°58 | 7°13 | 6°42 | 14° 1 | 9°24 | 25°34 | 24°D13 | 23°39 | 4°14 | 2°42 | 10°30 | 23°43 | S 4 |
| M 5 | 3 1 20 | 13°31'30 | 23°51 | 7°53 | 8°25 | 7°26 | 14°11 | 9°26 | 25°37 | 24°13 | 23°41 | 4° 8 | 2°39 | 10°37 | 23°46 | M 5 |
| T 6 | 3 5 17 | 14°31'07 | 7♋21 | 8°46 | 9°38 | 8°10 | 14°21 | 9°29 | 25°40 | 24°13 | 23°43 | 4° 2 | 2°36 | 10°43 | 23°49 | T 6 |
| W 7 | 3 9 13 | 15°30'46 | 21° 2 | 9°35 | 10°50 | 8°54 | 14°31 | 9°31 | 25°43 | 24°14 | 23°45 | 3°58 | 2°33 | 10°50 | 23°52 | W 7 |
| T 8 | 3 13 10 | 16°30'28 | 4♌52 | 10°20 | 12° 3 | 9°37 | 14°41 | 9°34 | 25°46 | 24°14 | 23°47 | 3°55 | 2°29 | 10°57 | 23°55 | T 8 |
| F 9 | 3 17 6 | 17°30'11 | 18°53 | 11° 1 | 13°16 | 10°21 | 14°51 | 9°36 | 25°49 | 24°14 | 23°49 | 3°D55 | 2°26 | 11° 3 | 23°59 | F 9 |
| S 10 | 3 21 3 | 18°29'57 | 3♍ 1 | 11°36 | 14°29 | 11° 6 | 15° 1 | 9°39 | 25°52 | 24°14 | 23°51 | 3°55 | 2°23 | 11°10 | 24° 2 | S 10 |
| S 11 | 3 25 0 | 19°29'45 | 17°16 | 12° 7 | 15°41 | 11°50 | 15°12 | 9°42 | 25°56 | 24°14 | 23°53 | 3°57 | 2°20 | 11°17 | 24° 6 | S 11 |
| M12 | 3 28 56 | 20°29'35 | 1♎36 | 12°31 | 16°54 | 12°34 | 15°22 | 9°45 | 25°59 | 24°14 | 23°55 | 3°R57 | 2°17 | 11°23 | 24° 9 | M12 |
| T 13 | 3 32 53 | 21°29'27 | 15°58 | 12°49 | 18° 7 | 13°18 | 15°33 | 9°48 | 26° 2 | 24°15 | 23°57 | 3°57 | 2°14 | 11°30 | 24°13 | T 13 |
| W14 | 3 36 49 | 22°29'22 | 0♏18 | 12°59 | 19°20 | 14° 3 | 15°43 | 9°51 | 26° 5 | 24°15 | 23°59 | 3°54 | 2°10 | 11°37 | 24°16 | W14 |
| T 15 | 3 40 46 | 23°29'18 | 14°32 | 13°R 2 | 20°34 | 14°47 | 15°54 | 9°54 | 26° 8 | 24°15 | 24° 1 | 3°49 | 2° 7 | 11°43 | 24°20 | T 15 |
| F 16 | 3 44 42 | 24°29'17 | 28°34 | 12°56 | 21°47 | 15°31 | 16° 5 | 9°57 | 26°12 | 24°16 | 24° 3 | 3°42 | 2° 4 | 11°50 | 24°24 | F 16 |
| S 17 | 3 48 39 | 25°29'17 | 12♐19 | 12°42 | 23° 0 | 16°16 | 16°16 | 10° 1 | 26°15 | 24°16 | 24° 5 | 3°33 | 2° 1 | 11°57 | 24°28 | S 17 |
| S 18 | 3 52 35 | 26°29'19 | 25°44 | 12°18 | 24°13 | 17° 1 | 16°27 | 10° 4 | 26°18 | 24°17 | 24° 7 | 3°24 | 1°58 | 12° 3 | 24°31 | S 18 |
| M19 | 3 56 32 | 27°29'23 | 8♑47 | 11°44 | 25°27 | 17°45 | 16°38 | 10° 8 | 26°22 | 24°17 | 24° 9 | 3°15 | 1°55 | 12°10 | 24°35 | M19 |
| T 20 | 4 0 29 | 28°29'29 | 21°30 | 11° 1 | 26°40 | 18°30 | 16°50 | 10°11 | 26°25 | 24°18 | 24°11 | 3° 7 | 1°51 | 12°17 | 24°39 | T 20 |
| W21 | 4 4 25 | 29°29'35 | 3♒53 | 10° 8 | 27°54 | 19°15 | 17° 1 | 10°15 | 26°28 | 24°18 | 24°14 | 3° 1 | 1°48 | 12°23 | 24°43 | W21 |
| T 22 | 4 8 22 | 0♐29'44 | 16° 0 | 9° 7 | 29° 7 | 20° 0 | 17°12 | 10°19 | 26°32 | 24°19 | 24°16 | 2°58 | 1°45 | 12°30 | 24°48 | T 22 |
| F 23 | 4 12 18 | 1°29'54 | 27°56 | 7°58 | 0♏21 | 20°45 | 17°24 | 10°23 | 26°35 | 24°19 | 24°18 | 2°D57 | 1°42 | 12°37 | 24°52 | F 23 |
| S 24 | 4 16 15 | 2°30'05 | 9♓45 | 6°44 | 1°35 | 21°30 | 17°35 | 10°27 | 26°39 | 24°20 | 24°20 | 2°57 | 1°39 | 12°43 | 24°56 | S 24 |
| S 25 | 4 20 11 | 3°30'18 | 21°34 | 5°25 | 2°48 | 22°15 | 17°47 | 10°31 | 26°42 | 24°21 | 24°22 | 2°58 | 1°35 | 12°50 | 25° 0 | S 25 |
| M26 | 4 24 8 | 4°30'32 | 3♈27 | 4° 5 | 4° 2 | 23° 0 | 17°59 | 10°35 | 26°45 | 24°21 | 24°25 | 2°R58 | 1°32 | 12°56 | 25° 5 | M26 |
| T 27 | 4 28 4 | 5°30'48 | 15°29 | 2°46 | 5°16 | 23°46 | 18°11 | 10°39 | 26°49 | 24°22 | 24°27 | 2°57 | 1°29 | 13° 3 | 25° 9 | T 27 |
| W28 | 4 32 1 | 6°31'05 | 27°46 | 1°31 | 6°30 | 24°31 | 18°22 | 10°43 | 26°52 | 24°23 | 24°29 | 2°54 | 1°26 | 13°10 | 25°13 | W28 |
| T 29 | 4 35 58 | 7°31'23 | 10♉19 | 0°22 | 7°44 | 25°16 | 18°34 | 10°48 | 26°56 | 24°24 | 24°31 | 2°49 | 1°23 | 13°16 | 25°18 | T 29 |
| F 30 | 4 39 54 | 8♐31'44 | 23♉12 | 29♏21 | 8♏58 | 26♑ 2 | 18♑46 | 10♒52 | 26♐59 | 24♒24 | 24♐34 | 2♈40 | 1♈20 | 13♓23 | 25♑22 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s36 | 14n22 | 2n24 | 23s35 | 2s49 | 0s10 | 1n22 | 24s41 | 1s27 | 22s41 | 0s 3 | 18s21 | 0s32 | 23s21 | 0s 7 | 13s28 | 0s 6 | 12s31 | 10n40 | 1n47 | 1n 8 | 9s34 | 14s17 | 7n 5 |
| F 2 | 14 55 | 19 20 | 3 21 | 23 50 | 2 52 | 0 36 | 1 24 | 24 39 | 1 26 | 22 40 | 0 3 | 18 21 | 0 33 | 23 21 | 0 7 | 13 28 | 0 6 | 12 31 | 10 39 | 1 45 | 1 7 | 9 30 | 14 17 | 7 4 |
| S 3 | 15 13 | 23 31 | 4 8 | 24 4 | 2 55 | 1 3 | 1 26 | 24 37 | 1 26 | 22 39 | 0 4 | 18 20 | 0 33 | 23 21 | 0 7 | 13 28 | 0 6 | 12 31 | 10 39 | 1 43 | 1 5 | 9 27 | 14 17 | 7 4 |
| S 4 | 15 31 | 26 36 | 4 44 | 24 17 | 2 58 | 1 30 | 1 28 | 24 35 | 1 26 | 22 38 | 0 4 | 18 20 | 0 33 | 23 21 | 0 7 | 13 28 | 0 6 | 12 32 | 10 39 | 1 41 | 1 4 | 9 24 | 14 17 | 7 3 |
| M 5 | 15 49 | 28 15 | 5 5 | 24 28 | 3 0 | 1 57 | 1 30 | 24 33 | 1 26 | 22 37 | 0 4 | 18 19 | 0 33 | 23 21 | 0 7 | 13 28 | 0 6 | 12 32 | 10 38 | 1 38 | 1 3 | 9 20 | 14 17 | 7 3 |
| T 6 | 16 7 | 28 15 | 5 9 | 24 38 | 3 2 | 2 23 | 1 32 | 24 30 | 1 26 | 22 37 | 0 4 | 18 19 | 0 33 | 23 21 | 0 7 | 13 28 | 0 6 | 12 33 | 10 38 | 1 36 | 1 2 | 9 17 | 14 17 | 7 2 |
| W 7 | 16 24 | 26 33 | 4 56 | 24 47 | 3 2 | 2 50 | 1 33 | 24 27 | 1 26 | 22 36 | 0 4 | 18 18 | 0 33 | 23 21 | 0 7 | 13 28 | 0 6 | 12 33 | 10 38 | 1 34 | 1 0 | 9 14 | 14 17 | 7 2 |
| T 8 | 16 41 | 23 15 | 4 26 | 24 53 | 3 2 | 3 17 | 1 35 | 24 24 | 1 26 | 22 35 | 0 4 | 18 17 | 0 33 | 23 21 | 0 7 | 13 28 | 0 6 | 12 33 | 10 37 | 1 33 | 0 59 | 9 11 | 14 17 | 7 1 |
| F 9 | 16 58 | 18 34 | 3 40 | 24 58 | 3 2 | 3 44 | 1 36 | 24 21 | 1 26 | 22 34 | 0 4 | 18 17 | 0 33 | 23 21 | 0 7 | 13 28 | 0 6 | 12 34 | 10 37 | 1 33 | 0 58 | 9 7 | 14 17 | 7 1 |
| S 10 | 17 14 | 12 50 | 2 39 | 25 2 | 3 0 | 4 11 | 1 37 | 24 17 | 1 26 | 22 32 | 0 4 | 18 16 | 0 33 | 23 22 | 0 7 | 13 28 | 0 6 | 12 34 | 10 37 | 1 33 | 0 57 | 9 4 | 14 17 | 7 0 |
| S 11 | 17 31 | 6 22 | 1 29 | 25 4 | 2 58 | 4 38 | 1 39 | 24 13 | 1 26 | 22 31 | 0 4 | 18 15 | 0 33 | 23 22 | 0 7 | 13 28 | 0 6 | 12 34 | 10 37 | 1 34 | 0 55 | 9 1 | 14 17 | 7 0 |
| M12 | 17 47 | 0s26 | 0 13 | 25 3 | 2 54 | 5 4 | 1 40 | 24 9 | 1 26 | 22 30 | 0 4 | 18 15 | 0 33 | 23 22 | 0 7 | 13 28 | 0 6 | 12 35 | 10 36 | 1 34 | 0 54 | 8 57 | 14 17 | 6 59 |
| T 13 | 18 2 | 7 15 | 1s 4 | 25 1 | 2 49 | 5 31 | 1 41 | 24 5 | 1 26 | 22 29 | 0 4 | 18 14 | 0 33 | 23 22 | 0 7 | 13 28 | 0 6 | 12 35 | 10 36 | 1 34 | 0 53 | 8 54 | 14 17 | 6 59 |
| W14 | 18 18 | 13 40 | 2 17 | 24 56 | 2 43 | 5 58 | 1 42 | 24 0 | 1 26 | 22 28 | 0 5 | 18 13 | 0 33 | 23 22 | 0 7 | 13 28 | 0 6 | 12 36 | 10 36 | 1 33 | 0 52 | 8 51 | 14 17 | 6 58 |
| T 15 | 18 33 | 19 19 | 3 21 | 24 49 | 2 36 | 6 24 | 1 43 | 23 55 | 1 26 | 22 27 | 0 5 | 18 12 | 0 33 | 23 22 | 0 7 | 13 28 | 0 6 | 12 36 | 10 35 | 1 31 | 0 50 | 8 48 | 14 17 | 6 58 |
| F 16 | 18 48 | 23 49 | 4 11 | 24 40 | 2 27 | 6 51 | 1 43 | 23 50 | 1 26 | 22 26 | 0 5 | 18 11 | 0 33 | 23 22 | 0 7 | 13 28 | 0 6 | 12 36 | 10 35 | 1 28 | 0 49 | 8 44 | 14 17 | 6 57 |
| S 17 | 19 2 | 26 52 | 4 45 | 24 28 | 2 17 | 7 17 | 1 44 | 23 45 | 1 25 | 22 24 | 0 5 | 18 10 | 0 33 | 23 22 | 0 7 | 13 27 | 0 6 | 12 37 | 10 35 | 1 24 | 0 48 | 8 41 | 14 16 | 6 57 |
| S 18 | 19 16 | 28 18 | 5 3 | 24 13 | 2 5 | 7 43 | 1 45 | 23 39 | 1 25 | 22 23 | 0 5 | 18 9 | 0 33 | 23 22 | 0 7 | 13 27 | 0 6 | 12 37 | 10 35 | 1 21 | 0 47 | 8 38 | 14 16 | 6 56 |
| M19 | 19 30 | 28 5 | 5 5 | 23 55 | 1 52 | 8 9 | 1 45 | 23 33 | 1 25 | 22 22 | 0 5 | 18 9 | 0 33 | 23 22 | 0 7 | 13 27 | 0 6 | 12 37 | 10 34 | 1 17 | 0 45 | 8 34 | 14 16 | 6 56 |
| T 20 | 19 43 | 26 23 | 4 51 | 23 34 | 1 37 | 8 35 | 1 46 | 23 27 | 1 25 | 22 21 | 0 5 | 18 8 | 0 33 | 23 23 | 0 7 | 13 27 | 0 6 | 12 38 | 10 34 | 1 14 | 0 44 | 8 31 | 14 16 | 6 55 |
| W21 | 19 56 | 23 27 | 4 23 | 23 10 | 1 20 | 9 1 | 1 46 | 23 20 | 1 25 | 22 19 | 0 5 | 18 7 | 0 33 | 23 23 | 0 7 | 13 27 | 0 6 | 12 38 | 10 34 | 1 12 | 0 43 | 8 28 | 14 15 | 6 55 |
| T 22 | 20 9 | 19 32 | 3 44 | 22 44 | 1 2 | 9 27 | 1 46 | 23 14 | 1 25 | 22 18 | 0 5 | 18 6 | 0 33 | 23 23 | 0 7 | 13 27 | 0 6 | 12 38 | 10 34 | 1 10 | 0 42 | 8 24 | 14 15 | 6 54 |
| F 23 | 20 21 | 14 53 | 2 56 | 22 14 | 0 43 | 9 52 | 1 47 | 23 7 | 1 25 | 22 17 | 0 5 | 18 5 | 0 33 | 23 23 | 0 7 | 13 26 | 0 6 | 12 38 | 10 34 | 1 10 | 0 40 | 8 21 | 14 15 | 6 54 |
| S 24 | 20 33 | 9 45 | 2 1 | 21 42 | 0 23 | 10 17 | 1 47 | 23 0 | 1 24 | 22 15 | 0 5 | 18 4 | 0 33 | 23 23 | 0 7 | 13 26 | 0 6 | 12 39 | 10 33 | 1 10 | 0 39 | 8 18 | 14 15 | 6 54 |
| S 25 | 20 45 | 4 16 | 1 1 | 21 8 | 0 2 | 10 42 | 1 47 | 22 52 | 1 24 | 22 14 | 0 6 | 18 2 | 0 33 | 23 23 | 0 7 | 13 26 | 0 6 | 12 39 | 10 33 | 1 10 | 0 38 | 8 15 | 14 14 | 6 53 |
| M26 | 20 56 | 1n24 | 0n 3 | 20 33 | 0n18 | 11 7 | 1 47 | 22 45 | 1 24 | 22 12 | 0 6 | 18 1 | 0 33 | 23 23 | 0 7 | 13 26 | 0 6 | 12 39 | 10 33 | 1 10 | 0 37 | 8 11 | 14 14 | 6 53 |
| T 27 | 21 7 | 7 5 | 1 6 | 19 59 | 0 38 | 11 32 | 1 47 | 22 37 | 1 24 | 22 11 | 0 6 | 18 0 | 0 33 | 23 23 | 0 7 | 13 26 | 0 6 | 12 40 | 10 33 | 1 10 | 0 35 | 8 8 | 14 14 | 6 52 |
| W28 | 21 17 | 12 37 | 2 8 | 19 25 | 0 57 | 11 56 | 1 46 | 22 29 | 1 24 | 22 9 | 0 6 | 17 59 | 0 33 | 23 23 | 0 7 | 13 25 | 0 6 | 12 40 | 10 33 | 1 9 | 0 34 | 8 5 | 14 13 | 6 52 |
| T 29 | 21 27 | 17 46 | 3 5 | 18 54 | 1 15 | 12 20 | 1 46 | 22 20 | 1 23 | 22 8 | 0 6 | 17 58 | 0 33 | 23 23 | 0 7 | 13 25 | 0 6 | 12 40 | 10 32 | 1 7 | 0 33 | 8 1 | 14 13 | 6 52 |
| F 30 | 21s37 | 22n15 | 3n54 | 18s25 | 1n32 | 12s44 | 1n46 | 22s12 | 1s23 | 22s 6 | 0s 6 | 17s57 | 0s33 | 23s23 | 0s 7 | 13s25 | 0s 6 | 12s40 | 10n32 | 1n 3 | 0n31 | 7s58 | 14s12 | 6n51 |

Julian Day Number = 2814170.5, Delta T = 54m05s
Ecliptic obliquity = 23°18'48, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°38'19, Lahiri = 37°45'20


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# ASTRODIENST EPHEMERIS for the year 2992
# geocentric

## DECEMBER 2992 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 43 51 | 9♐32'05 | 6♊23 | 28°R30 | 10♏12 | 26♑47 | 18♑59 | 10♒57 | 27♐ 3 | 24♒25 | 24♐36 | 2°R30 | 1♈16 | 13♓30 | 25♑27 | S 1 |
| S 2 | 4 47 47 | 10°32'29 | 19°53 | 27♏50 | 11°26 | 27°33 | 19°11 | 11° 1 | 27° 7 | 24°26 | 24°38 | 2♈19 | 1°13 | 13°36 | 25°32 | S 2 |
| M 3 | 4 51 44 | 11°32'54 | 3♋37 | 27°21 | 12°40 | 28°18 | 19°23 | 11° 6 | 27°10 | 24°27 | 24°40 | 2° 7 | 1°10 | 13°43 | 25°36 | M 3 |
| T 4 | 4 55 40 | 12°33'20 | 17°33 | 27° 4 | 13°54 | 29° 4 | 19°35 | 11°11 | 27°14 | 24°28 | 24°43 | 1°56 | 1° 7 | 13°50 | 25°41 | T 4 |
| W 5 | 4 59 37 | 13°33'49 | 1♌36 | 26°D58 | 15° 9 | 29°50 | 19°48 | 11°15 | 27°17 | 24°29 | 24°45 | 1°48 | 1° 4 | 13°56 | 25°46 | W 5 |
| T 6 | 5 3 33 | 14°34'19 | 15°43 | 27° 4 | 16°23 | 0♒36 | 20° 0 | 11°20 | 27°21 | 24°30 | 24°47 | 1°42 | 1° 1 | 14° 3 | 25°51 | T 6 |
| F 7 | 5 7 30 | 15°34'51 | 29°51 | 27°20 | 17°37 | 1°21 | 20°13 | 11°25 | 27°25 | 24°31 | 24°50 | 1°39 | 0°57 | 14°10 | 25°55 | F 7 |
| S 8 | 5 11 27 | 16°35'24 | 13♍57 | 27°45 | 18°52 | 2° 7 | 20°25 | 11°30 | 27°28 | 24°32 | 24°52 | 1°D39 | 0°54 | 14°16 | 26° 0 | S 8 |
| S 9 | 5 15 23 | 17°35'59 | 28° 2 | 28°19 | 20° 6 | 2°53 | 20°38 | 11°35 | 27°32 | 24°33 | 24°54 | 1°R39 | 0°51 | 14°23 | 26° 5 | S 9 |
| M10 | 5 19 20 | 18°36'36 | 12♎ 4 | 29° 1 | 21°20 | 3°39 | 20°51 | 11°40 | 27°36 | 24°35 | 24°56 | 1°38 | 0°48 | 14°30 | 26°10 | M10 |
| T 11 | 5 23 16 | 19°37'14 | 26° 2 | 29°49 | 22°35 | 4°25 | 21° 3 | 11°46 | 27°39 | 24°36 | 24°59 | 1°36 | 0°45 | 14°36 | 26°15 | T 11 |
| W12 | 5 27 13 | 20°37'54 | 9♏55 | 0♐44 | 23°49 | 5°11 | 21°16 | 11°51 | 27°43 | 24°37 | 25° 1 | 1°32 | 0°41 | 14°43 | 26°20 | W12 |
| T 13 | 5 31 9 | 21°38'36 | 23°42 | 1°43 | 25° 4 | 5°57 | 21°29 | 11°56 | 27°47 | 24°38 | 25° 3 | 1°24 | 0°38 | 14°50 | 26°25 | T 13 |
| F 14 | 5 35 6 | 22°39'19 | 7♐19 | 2°47 | 26°18 | 6°43 | 21°42 | 12° 2 | 27°50 | 24°40 | 25° 6 | 1°14 | 0°35 | 14°56 | 26°31 | F 14 |
| S 15 | 5 39 2 | 23°40'04 | 20°44 | 3°56 | 27°33 | 7°30 | 21°55 | 12° 7 | 27°54 | 24°41 | 25° 8 | 1° 1 | 0°32 | 15° 3 | 26°36 | S 15 |
| S 16 | 5 42 59 | 24°40'50 | 3♑54 | 5° 7 | 28°48 | 8°16 | 22° 8 | 12°13 | 27°58 | 24°42 | 25°10 | 0°47 | 0°29 | 15°10 | 26°41 | S 16 |
| M17 | 5 46 56 | 25°41'37 | 16°48 | 6°22 | 0♐ 2 | 9° 2 | 22°21 | 12°18 | 28° 1 | 24°44 | 25°13 | 0°34 | 0°26 | 15°16 | 26°46 | M17 |
| T 18 | 5 50 52 | 26°42'25 | 29°24 | 7°39 | 1°17 | 9°49 | 22°34 | 12°24 | 28° 5 | 24°45 | 25°15 | 0°22 | 0°22 | 15°23 | 26°52 | T 18 |
| W19 | 5 54 49 | 27°43'14 | 11♒43 | 8°58 | 2°32 | 10°35 | 22°48 | 12°30 | 28° 9 | 24°46 | 25°17 | 0°13 | 0°19 | 15°29 | 26°57 | W19 |
| T 20 | 5 58 45 | 28°44'03 | 23°49 | 10°19 | 3°46 | 11°21 | 23° 1 | 12°35 | 28°12 | 24°48 | 25°20 | 0° 6 | 0°16 | 15°36 | 27° 2 | T 20 |
| F 21 | 6 2 42 | 29°44'54 | 5♓43 | 11°42 | 5° 1 | 12° 8 | 23°14 | 12°41 | 28°16 | 24°49 | 25°22 | 0° 2 | 0°13 | 15°43 | 27° 8 | F 21 |
| S 22 | 6 6 38 | 0♑45'45 | 17°32 | 13° 6 | 6°16 | 12°54 | 23°27 | 12°47 | 28°20 | 24°51 | 25°24 | 0° 1 | 0°10 | 15°49 | 27°13 | S 22 |
| S 23 | 6 10 35 | 1°46'37 | 29°19 | 14°31 | 7°31 | 13°41 | 23°41 | 12°53 | 28°23 | 24°52 | 25°27 | 0° 0 | 0° 7 | 15°56 | 27°18 | S 23 |
| M24 | 6 14 32 | 2°47'30 | 11♈11 | 15°57 | 8°46 | 14°27 | 23°54 | 12°59 | 28°27 | 24°54 | 25°29 | 0° 0 | 0° 3 | 16° 3 | 27°24 | M24 |
| T 25 | 6 18 28 | 3°48'24 | 23°14 | 17°24 | 10° 0 | 15°14 | 24° 7 | 13° 5 | 28°31 | 24°55 | 25°31 | 29♓59 | 0° 0 | 16° 9 | 27°29 | T 25 |
| W26 | 6 22 25 | 4°49'18 | 5♉32 | 18°52 | 11°15 | 16° 1 | 24°21 | 13°11 | 28°34 | 24°57 | 25°34 | 29°56 | 29♓57 | 16°16 | 27°35 | W26 |
| T 27 | 6 26 21 | 5°50'13 | 18° 9 | 20°20 | 12°30 | 16°47 | 24°34 | 13°17 | 28°38 | 24°59 | 25°36 | 29°50 | 29°54 | 16°23 | 27°40 | T 27 |
| F 28 | 6 30 18 | 6°51'09 | 1♊10 | 21°49 | 13°45 | 17°34 | 24°48 | 13°23 | 28°42 | 25° 0 | 25°38 | 29°42 | 29°51 | 16°29 | 27°46 | F 28 |
| S 29 | 6 34 14 | 7°52'05 | 14°36 | 23°19 | 15° 0 | 18°21 | 25° 2 | 13°30 | 28°45 | 25° 2 | 25°41 | 29°31 | 29°47 | 16°36 | 27°51 | S 29 |
| S 30 | 6 38 11 | 8°53'02 | 28°24 | 24°49 | 16°15 | 19° 8 | 25°15 | 13°36 | 28°49 | 25° 4 | 25°43 | 29°19 | 29°44 | 16°43 | 27°57 | S 30 |
| M31 | 6 42 7 | 9♑54'00 | 12♋33 | 26♐19 | 17♐30 | 19♒54 | 25♑29 | 13♒42 | 28♐53 | 25♒ 5 | 25♐45 | 29♓ 6 | 29♓41 | 16♓49 | 28♑ 3 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s46 | 25n43 | 4n32 | 18s 0 | 1n46 | 13s 8 | 1n45 | 22s 3 | 1s23 | 22s 5 | 0s 6 | 17s56 | 0s33 | 23s24 | 0s 7 | 13s24 | 0s 6 | 12s41 | 10n32 | 0n59 | 0n30 | 7s55 | 14s12 | 6n51 |
| S 2 | 21 55 | 27 50 | 4 55 | 17 39 | 1 58 | 13 31 | 1 45 | 21 54 | 1 23 | 22 3 | 0 6 | 17 54 | 0 33 | 23 24 | 0 7 | 13 24 | 0 6 | 12 41 | 10 32 | 0 55 | 0 29 | 7 51 | 14 12 | 6 50 |
| M 3 | 22 3 | 28 18 | 5 2 | 17 23 | 2 8 | 13 54 | 1 44 | 21 44 | 1 22 | 22 1 | 0 6 | 17 53 | 0 33 | 23 24 | 0 7 | 13 24 | 0 6 | 12 41 | 10 32 | 0 50 | 0 28 | 7 48 | 14 11 | 6 50 |
| T 4 | 22 11 | 26 59 | 4 51 | 17 11 | 2 17 | 14 17 | 1 44 | 21 35 | 1 22 | 22 0 | 0 6 | 17 52 | 0 33 | 23 24 | 0 7 | 13 24 | 0 6 | 12 41 | 10 31 | 0 46 | 0 26 | 7 45 | 14 11 | 6 50 |
| W 5 | 22 18 | 23 58 | 4 23 | 17 4 | 2 23 | 14 39 | 1 43 | 21 25 | 1 22 | 21 58 | 0 6 | 17 51 | 0 33 | 23 24 | 0 7 | 13 23 | 0 6 | 12 42 | 10 31 | 0 43 | 0 25 | 7 41 | 14 10 | 6 49 |
| T 6 | 22 26 | 19 30 | 3 38 | 17 1 | 2 27 | 15 1 | 1 42 | 21 15 | 1 22 | 21 56 | 0 6 | 17 49 | 0 33 | 23 24 | 0 7 | 13 23 | 0 6 | 12 42 | 10 31 | 0 40 | 0 24 | 7 38 | 14 10 | 6 49 |
| F 7 | 22 32 | 13 58 | 2 40 | 17 2 | 2 30 | 15 23 | 1 41 | 21 4 | 1 21 | 21 55 | 0 7 | 17 48 | 0 33 | 23 24 | 0 7 | 13 23 | 0 6 | 12 42 | 10 31 | 0 39 | 0 23 | 7 35 | 14 9 | 6 49 |
| S 8 | 22 38 | 7 42 | 1 32 | 17 6 | 2 31 | 15 44 | 1 40 | 20 54 | 1 21 | 21 53 | 0 7 | 17 47 | 0 33 | 23 24 | 0 7 | 13 22 | 0 6 | 12 42 | 10 31 | 0 39 | 0 21 | 7 31 | 14 9 | 6 48 |
| S 9 | 22 44 | 1 4 | 0 19 | 17 14 | 2 31 | 16 5 | 1 39 | 20 43 | 1 21 | 21 51 | 0 7 | 17 45 | 0 33 | 23 24 | 0 7 | 13 22 | 0 6 | 12 43 | 10 31 | 0 39 | 0 20 | 7 28 | 14 8 | 6 48 |
| M10 | 22 50 | 5s35 | 0s55 | 17 24 | 2 29 | 16 25 | 1 38 | 20 32 | 1 20 | 21 49 | 0 7 | 17 44 | 0 33 | 23 24 | 0 7 | 13 21 | 0 6 | 12 43 | 10 31 | 0 39 | 0 19 | 7 25 | 14 7 | 6 48 |
| T 11 | 22 55 | 11 57 | 2 5 | 17 37 | 2 27 | 16 45 | 1 37 | 20 21 | 1 20 | 21 47 | 0 7 | 17 42 | 0 33 | 23 24 | 0 7 | 13 21 | 0 6 | 12 43 | 10 31 | 0 38 | 0 18 | 7 21 | 14 7 | 6 47 |
| W12 | 22 59 | 17 41 | 3 8 | 17 51 | 2 23 | 17 5 | 1 36 | 20 10 | 1 20 | 21 45 | 0 7 | 17 41 | 0 33 | 23 24 | 0 7 | 13 21 | 0 6 | 12 43 | 10 30 | 0 36 | 0 16 | 7 18 | 14 6 | 6 47 |
| T 13 | 23 3 | 22 27 | 3 58 | 18 7 | 2 19 | 17 24 | 1 34 | 19 58 | 1 20 | 21 43 | 0 7 | 17 39 | 0 34 | 23 24 | 0 7 | 13 20 | 0 6 | 12 43 | 10 30 | 0 33 | 0 15 | 7 15 | 14 6 | 6 47 |
| F 14 | 23 7 | 25 56 | 4 35 | 18 25 | 2 14 | 17 43 | 1 33 | 19 46 | 1 19 | 21 41 | 0 7 | 17 38 | 0 34 | 23 25 | 0 7 | 13 20 | 0 6 | 12 44 | 10 30 | 0 29 | 0 14 | 7 11 | 14 5 | 6 47 |
| S 15 | 23 10 | 27 54 | 4 55 | 18 43 | 2 9 | 18 1 | 1 32 | 19 34 | 1 19 | 21 39 | 0 7 | 17 37 | 0 34 | 23 25 | 0 7 | 13 19 | 0 6 | 12 44 | 10 30 | 0 24 | 0 13 | 7 8 | 14 4 | 6 46 |
| S 16 | 23 12 | 28 15 | 5 0 | 19 1 | 2 3 | 18 19 | 1 30 | 19 22 | 1 18 | 21 37 | 0 7 | 17 35 | 0 34 | 23 25 | 0 7 | 13 19 | 0 6 | 12 44 | 10 30 | 0 19 | 0 11 | 7 5 | 14 4 | 6 46 |
| M17 | 23 15 | 27 2 | 4 48 | 19 20 | 1 57 | 18 37 | 1 28 | 19 10 | 1 18 | 21 35 | 0 7 | 17 33 | 0 34 | 23 25 | 0 7 | 13 19 | 0 6 | 12 44 | 10 30 | 0 13 | 0 10 | 7 1 | 14 3 | 6 46 |
| T 18 | 23 16 | 24 27 | 4 23 | 19 39 | 1 50 | 18 53 | 1 27 | 18 57 | 1 18 | 21 33 | 0 7 | 17 32 | 0 34 | 23 25 | 0 7 | 13 18 | 0 6 | 12 44 | 10 30 | 0 9 | 0 9 | 6 58 | 14 2 | 6 45 |
| W19 | 23 18 | 20 48 | 3 46 | 19 59 | 1 43 | 19 10 | 1 25 | 18 44 | 1 17 | 21 31 | 0 8 | 17 30 | 0 34 | 23 25 | 0 7 | 13 18 | 0 6 | 12 44 | 10 30 | 0 5 | 0 8 | 6 54 | 14 1 | 6 45 |
| T 20 | 23 18 | 16 20 | 2 59 | 20 17 | 1 36 | 19 26 | 1 24 | 18 31 | 1 17 | 21 29 | 0 8 | 17 29 | 0 34 | 23 25 | 0 7 | 13 17 | 0 6 | 12 45 | 10 30 | 0 2 | 0 6 | 6 51 | 14 1 | 6 45 |
| F 21 | 23 19 | 11 18 | 2 5 | 20 36 | 1 29 | 19 41 | 1 22 | 18 18 | 1 17 | 21 27 | 0 8 | 17 27 | 0 34 | 23 25 | 0 7 | 13 17 | 0 6 | 12 45 | 10 30 | 0 1 | 0 5 | 6 48 | 14 0 | 6 45 |
| S 22 | 23 19 | 5 55 | 1 6 | 20 54 | 1 21 | 19 56 | 1 20 | 18 4 | 1 16 | 21 25 | 0 8 | 17 26 | 0 34 | 23 25 | 0 7 | 13 16 | 0 6 | 12 45 | 10 30 | 0 0 | 0 4 | 6 44 | 13 59 | 6 45 |
| S 23 | 23 18 | 0 19 | 0 4 | 21 12 | 1 14 | 20 10 | 1 18 | 17 51 | 1 16 | 21 23 | 0 8 | 17 24 | 0 34 | 23 25 | 0 7 | 13 16 | 0 6 | 12 45 | 10 30 | 0 0 | 0 3 | 6 41 | 13 58 | 6 44 |
| M24 | 23 17 | 5n19 | 0n59 | 21 29 | 1 6 | 20 24 | 1 16 | 17 37 | 1 15 | 21 21 | 0 8 | 17 22 | 0 34 | 23 25 | 0 7 | 13 15 | 0 6 | 12 45 | 10 29 | 0 0 | 0 1 | 6 38 | 13 58 | 6 44 |
| T 25 | 23 16 | 10 50 | 2 0 | 21 45 | 0 59 | 20 37 | 1 14 | 17 23 | 1 15 | 21 18 | 0 8 | 17 21 | 0 34 | 23 25 | 0 7 | 13 15 | 0 6 | 12 45 | 10 29 | 0s 0 | 0 0 | 6 34 | 13 57 | 6 44 |
| W26 | 23 14 | 16 4 | 2 56 | 22 0 | 0 51 | 20 49 | 1 12 | 17 8 | 1 15 | 21 16 | 0 8 | 17 19 | 0 34 | 23 25 | 0 7 | 13 14 | 0 6 | 12 45 | 10 29 | 0 2 | 0s 1 | 6 31 | 13 56 | 6 44 |
| T 27 | 23 11 | 20 45 | 3 46 | 22 15 | 0 43 | 21 1 | 1 10 | 16 54 | 1 14 | 21 14 | 0 8 | 17 17 | 0 34 | 23 25 | 0 7 | 13 14 | 0 6 | 12 45 | 10 29 | 0 4 | 0 2 | 6 28 | 13 55 | 6 44 |
| F 28 | 23 8 | 24 36 | 4 25 | 22 28 | 0 36 | 21 12 | 1 8 | 16 40 | 1 14 | 21 11 | 0 8 | 17 15 | 0 34 | 23 25 | 0 7 | 13 13 | 0 6 | 12 45 | 10 29 | 0 7 | 0 4 | 6 24 | 13 54 | 6 43 |
| S 29 | 23 5 | 27 14 | 4 51 | 22 41 | 0 28 | 21 23 | 1 6 | 16 25 | 1 13 | 21 9 | 0 8 | 17 14 | 0 34 | 23 25 | 0 7 | 13 12 | 0 6 | 12 46 | 10 29 | 0 12 | 0 5 | 6 21 | 13 53 | 6 43 |
| S 30 | 23 1 | 28 19 | 5 1 | 22 52 | 0 21 | 21 33 | 1 4 | 16 10 | 1 13 | 21 7 | 0 8 | 17 12 | 0 34 | 23 25 | 0 7 | 13 12 | 0 6 | 12 46 | 10 29 | 0 16 | 0 6 | 6 18 | 13 52 | 6 43 |
| M31 | 22s57 | 27n35 | 4n52 | 23s 3 | 0n13 | 21s43 | 1n 1 | 15s55 | 1s13 | 21s 4 | 0s 9 | 17s10 | 0s34 | 23s25 | 0s 7 | 13s11 | 0s 6 | 12s46 | 10n29 | 0s21 | 0s 7 | 6s14 | 13s51 | 6n43 |

Julian Day Number = 2814200.5, Delta T = 54m06s
Ecliptic obliquity = 23°18'47, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°38'24, Lahiri = 37°45'24


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# ASTRODIENST EPHEMERIS for the year 2993
# geocentric

## JANUARY 2993 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 46 4 | 10♑54'58 | 26♋57 | 27♐50 | 18♐45 | 20♒41 | 25♑42 | 13♒49 | 28♐56 | 25♒ 7 | 25♐47 | 28°R55 | 29♓38 | 16♓56 | 28♑ 8 | T 1 |
| W 2 | 6 50 1 | 11°55'57 | 11♌28 | 29°20 | 20° 0 | 21°28 | 25°56 | 13°55 | 29° 0 | 25° 9 | 25°50 | 28♓45 | 29°35 | 17° 3 | 28°14 | W 2 |
| T 3 | 6 53 57 | 12°56'57 | 26° 0 | 0♑52 | 21°15 | 22°15 | 26°10 | 14° 1 | 29° 4 | 25°11 | 25°52 | 28°39 | 29°32 | 17° 9 | 28°20 | T 3 |
| F 4 | 6 57 54 | 13°57'58 | 10♍28 | 2°23 | 22°30 | 23° 2 | 26°24 | 14° 8 | 29° 7 | 25°12 | 25°54 | 28°36 | 29°28 | 17°16 | 28°25 | F 4 |
| S 5 | 7 1 50 | 14°58'59 | 24°48 | 3°55 | 23°45 | 23°49 | 26°37 | 14°14 | 29°11 | 25°14 | 25°56 | 28°D35 | 29°25 | 17°23 | 28°31 | S 5 |
| S 6 | 7 5 47 | 16° 0'01 | 8♎57 | 5°27 | 25° 0 | 24°36 | 26°51 | 14°21 | 29°14 | 25°16 | 25°59 | 28°R35 | 29°22 | 17°29 | 28°37 | S 6 |
| M 7 | 7 9 43 | 17° 1'04 | 22°54 | 6°59 | 26°15 | 25°23 | 27° 5 | 14°27 | 29°18 | 25°18 | 26° 1 | 28°35 | 29°19 | 17°36 | 28°42 | M 7 |
| T 8 | 7 13 40 | 18° 2'08 | 6♏40 | 8°31 | 27°30 | 26°10 | 27°19 | 14°34 | 29°22 | 25°20 | 26° 3 | 28°33 | 29°16 | 17°42 | 28°48 | T 8 |
| W 9 | 7 17 36 | 19° 3'13 | 20°14 | 10° 4 | 28°45 | 26°57 | 27°33 | 14°41 | 29°25 | 25°22 | 26° 5 | 28°30 | 29°13 | 17°49 | 28°54 | W 9 |
| T 10 | 7 21 33 | 20° 4'19 | 3♐37 | 11°37 | 0♑ 0 | 27°44 | 27°46 | 14°47 | 29°29 | 25°24 | 26° 7 | 28°23 | 29° 9 | 17°56 | 29° 0 | T 10 |
| F 11 | 7 25 30 | 21° 5'25 | 16°50 | 13°10 | 1°16 | 28°31 | 28° 0 | 14°54 | 29°32 | 25°26 | 26°10 | 28°14 | 29° 6 | 18° 2 | 29° 5 | F 11 |
| S 12 | 7 29 26 | 22° 6'31 | 29°51 | 14°44 | 2°31 | 29°18 | 28°14 | 15° 1 | 29°36 | 25°28 | 26°12 | 28° 2 | 29° 3 | 18° 9 | 29°11 | S 12 |
| S 13 | 7 33 23 | 23° 7'38 | 12♑40 | 16°17 | 3°46 | 0♓ 5 | 28°28 | 15° 8 | 29°39 | 25°30 | 26°14 | 27°50 | 29° 0 | 18°16 | 29°17 | S 13 |
| M14 | 7 37 19 | 24° 8'45 | 25°17 | 17°51 | 5° 1 | 0°52 | 28°42 | 15°15 | 29°43 | 25°32 | 26°16 | 27°38 | 28°57 | 18°22 | 29°23 | M14 |
| T 15 | 7 41 16 | 25° 9'53 | 7♒40 | 19°26 | 6°16 | 1°39 | 28°56 | 15°21 | 29°46 | 25°34 | 26°18 | 27°27 | 28°54 | 18°29 | 29°29 | T 15 |
| W16 | 7 45 12 | 26°11'00 | 19°51 | 21° 0 | 7°32 | 2°26 | 29°10 | 15°28 | 29°49 | 25°36 | 26°20 | 27°18 | 28°50 | 18°36 | 29°34 | W16 |
| T 17 | 7 49 9 | 27°12'07 | 1♓52 | 22°35 | 8°47 | 3°13 | 29°24 | 15°35 | 29°53 | 25°38 | 26°22 | 27°12 | 28°47 | 18°42 | 29°40 | T 17 |
| F 18 | 7 53 6 | 28°13'15 | 13°43 | 24°10 | 10° 2 | 4° 1 | 29°38 | 15°42 | 29°56 | 25°40 | 26°24 | 27° 9 | 28°44 | 18°49 | 29°46 | F 18 |
| S 19 | 7 57 2 | 29°14'22 | 25°30 | 25°46 | 11°17 | 4°48 | 29°52 | 15°49 | 29°59 | 25°42 | 26°26 | 27°D 7 | 28°41 | 18°56 | 29°52 | S 19 |
| S 20 | 8 0 59 | 0♒15'29 | 7♈17 | 27°22 | 12°32 | 5°35 | 0♒ 6 | 15°56 | 0♑ 3 | 25°44 | 26°28 | 27° 8 | 28°38 | 19° 2 | 29°58 | S 20 |
| M21 | 8 4 55 | 1°16'36 | 19° 7 | 28°58 | 13°48 | 6°22 | 0°20 | 16° 3 | 0° 6 | 25°46 | 26°30 | 27° 9 | 28°34 | 19° 9 | 0♒ 3 | M21 |
| T 22 | 8 8 52 | 2°17'42 | 1♉ 7 | 0♒35 | 15° 3 | 7° 9 | 0°33 | 16°10 | 0° 9 | 25°48 | 26°32 | 27°R10 | 28°31 | 19°16 | 0° 9 | T 22 |
| W23 | 8 12 48 | 3°18'48 | 13°22 | 2°12 | 16°18 | 7°56 | 0°47 | 16°17 | 0°13 | 25°50 | 26°34 | 27° 9 | 28°28 | 19°22 | 0°15 | W23 |
| T 24 | 8 16 45 | 4°19'54 | 25°57 | 3°49 | 17°33 | 8°44 | 1° 1 | 16°24 | 0°16 | 25°53 | 26°36 | 27° 6 | 28°25 | 19°29 | 0°21 | T 24 |
| F 25 | 8 20 41 | 5°20'59 | 8♊57 | 5°27 | 18°48 | 9°31 | 1°15 | 16°31 | 0°19 | 25°55 | 26°38 | 27° 2 | 28°22 | 19°35 | 0°26 | F 25 |
| S 26 | 8 24 38 | 6°22'04 | 22°24 | 7° 6 | 20° 4 | 10°18 | 1°29 | 16°38 | 0°22 | 25°57 | 26°40 | 26°55 | 28°19 | 19°42 | 0°32 | S 26 |
| S 27 | 8 28 35 | 7°23'09 | 6♋18 | 8°45 | 21°19 | 11° 5 | 1°43 | 16°45 | 0°25 | 25°59 | 26°42 | 26°47 | 28°15 | 19°49 | 0°38 | S 27 |
| M28 | 8 32 31 | 8°24'13 | 20°38 | 10°24 | 22°34 | 11°52 | 1°57 | 16°52 | 0°29 | 26° 1 | 26°44 | 26°39 | 28°12 | 19°55 | 0°44 | M28 |
| T 29 | 8 36 28 | 9°25'17 | 5♌19 | 12° 4 | 23°49 | 12°40 | 2°11 | 16°59 | 0°32 | 26° 3 | 26°46 | 26°31 | 28° 9 | 20° 2 | 0°49 | T 29 |
| W30 | 8 40 24 | 10°26'20 | 20°13 | 13°44 | 25° 5 | 13°27 | 2°25 | 17° 6 | 0°35 | 26° 6 | 26°48 | 26°25 | 28° 6 | 20° 9 | 0°55 | W30 |
| T 31 | 8 44 21 | 11♒27'23 | 5♍11 | 15♒25 | 26♑20 | 14♓14 | 2♒39 | 17♒14 | 0♑38 | 26♒ 8 | 26♐49 | 26♓21 | 28♓ 3 | 20♓15 | 1♒ 1 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s52 | 25n 0 | 4n26 | 23s12 | 0n 6 | 21s51 | 0n59 | 15s40 | 1s12 | 21s 2 | 0s 9 | 17s 8 | 0s34 | 23s26 | 0s 7 | 13s11 | 0s 6 | 12s46 | 10n29 | 0s26 | 0s 9 | 6s11 | 13s51 | 6n43 |
| W 2 | 22 47 | 20 48 | 3 42 | 23 20 | 0s 2 | 22 0 | 0 57 | 15 24 | 1 12 | 20 59 | 0 9 | 17 7 | 0 34 | 23 26 | 0 7 | 13 10 | 0 6 | 12 46 | 10 29 | 0 29 | 0 10 | 6 7 | 13 50 | 6 43 |
| T 3 | 22 41 | 15 21 | 2 43 | 23 27 | 0 9 | 22 7 | 0 55 | 15 9 | 1 11 | 20 57 | 0 9 | 17 5 | 0 34 | 23 26 | 0 7 | 13 10 | 0 6 | 12 46 | 10 29 | 0 32 | 0 11 | 6 4 | 13 49 | 6 42 |
| F 4 | 22 35 | 9 4 | 1 34 | 23 33 | 0 16 | 22 14 | 0 52 | 14 53 | 1 11 | 20 55 | 0 9 | 17 3 | 0 34 | 23 26 | 0 7 | 13 9 | 0 6 | 12 46 | 10 29 | 0 33 | 0 12 | 6 1 | 13 48 | 6 42 |
| S 5 | 22 29 | 2 22 | 0 20 | 23 38 | 0 23 | 22 20 | 0 50 | 14 37 | 1 10 | 20 52 | 0 9 | 17 1 | 0 34 | 23 26 | 0 7 | 13 8 | 0 6 | 12 46 | 10 29 | 0 34 | 0 14 | 5 57 | 13 47 | 6 42 |
| S 6 | 22 22 | 4s22 | 0s55 | 23 42 | 0 30 | 22 26 | 0 47 | 14 21 | 1 10 | 20 49 | 0 9 | 16 59 | 0 34 | 23 26 | 0 7 | 13 8 | 0 6 | 12 46 | 10 29 | 0 34 | 0 15 | 5 54 | 13 46 | 6 42 |
| M 7 | 22 14 | 10 48 | 2 5 | 23 44 | 0 36 | 22 31 | 0 45 | 14 5 | 1 9 | 20 47 | 0 9 | 16 57 | 0 34 | 23 26 | 0 7 | 13 7 | 0 6 | 12 46 | 10 29 | 0 34 | 0 16 | 5 51 | 13 45 | 6 42 |
| T 8 | 22 6 | 16 37 | 3 8 | 23 45 | 0 43 | 22 35 | 0 43 | 13 49 | 1 9 | 20 44 | 0 9 | 16 56 | 0 35 | 23 26 | 0 7 | 13 7 | 0 6 | 12 46 | 10 29 | 0 34 | 0 18 | 5 47 | 13 44 | 6 42 |
| W 9 | 21 58 | 21 32 | 3 58 | 23 45 | 0 49 | 22 38 | 0 40 | 13 32 | 1 8 | 20 42 | 0 9 | 16 54 | 0 35 | 23 26 | 0 7 | 13 6 | 0 6 | 12 46 | 10 30 | 0 36 | 0 19 | 5 44 | 13 43 | 6 42 |
| T 10 | 21 49 | 25 16 | 4 35 | 23 43 | 0 55 | 22 41 | 0 38 | 13 16 | 1 8 | 20 39 | 0 9 | 16 52 | 0 35 | 23 26 | 0 7 | 13 5 | 0 6 | 12 46 | 10 30 | 0 38 | 0 20 | 5 40 | 13 42 | 6 42 |
| F 11 | 21 40 | 27 35 | 4 57 | 23 41 | 1 1 | 22 43 | 0 35 | 12 59 | 1 7 | 20 36 | 0 9 | 16 50 | 0 35 | 23 26 | 0 7 | 13 5 | 0 6 | 12 46 | 10 30 | 0 42 | 0 21 | 5 37 | 13 41 | 6 42 |
| S 12 | 21 31 | 28 21 | 5 2 | 23 37 | 1 7 | 22 45 | 0 33 | 12 42 | 1 7 | 20 34 | 0 10 | 16 48 | 0 35 | 23 26 | 0 7 | 13 4 | 0 6 | 12 46 | 10 30 | 0 47 | 0 23 | 5 34 | 13 39 | 6 42 |
| S 13 | 21 21 | 27 34 | 4 53 | 23 31 | 1 12 | 22 45 | 0 30 | 12 25 | 1 6 | 20 31 | 0 10 | 16 46 | 0 35 | 23 26 | 0 7 | 13 3 | 0 6 | 12 46 | 10 30 | 0 51 | 0 24 | 5 30 | 13 38 | 6 42 |
| M14 | 21 10 | 25 22 | 4 29 | 23 25 | 1 18 | 22 46 | 0 28 | 12 8 | 1 6 | 20 28 | 0 10 | 16 44 | 0 35 | 23 26 | 0 7 | 13 3 | 0 6 | 12 46 | 10 30 | 0 56 | 0 25 | 5 27 | 13 37 | 6 41 |
| T 15 | 20 59 | 22 0 | 3 52 | 23 17 | 1 23 | 22 45 | 0 25 | 11 51 | 1 5 | 20 26 | 0 10 | 16 42 | 0 35 | 23 26 | 0 7 | 13 2 | 0 6 | 12 46 | 10 30 | 1 1 | 0 26 | 5 23 | 13 36 | 6 41 |
| W16 | 20 48 | 17 43 | 3 5 | 23 8 | 1 28 | 22 44 | 0 22 | 11 33 | 1 5 | 20 23 | 0 10 | 16 40 | 0 35 | 23 26 | 0 7 | 13 1 | 0 6 | 12 46 | 10 30 | 1 4 | 0 28 | 5 20 | 13 35 | 6 41 |
| T 17 | 20 37 | 12 48 | 2 11 | 22 57 | 1 32 | 22 42 | 0 20 | 11 16 | 1 4 | 20 20 | 0 10 | 16 38 | 0 35 | 23 26 | 0 7 | 13 1 | 0 6 | 12 46 | 10 30 | 1 6 | 0 29 | 5 17 | 13 34 | 6 41 |
| F 18 | 20 25 | 7 28 | 1 11 | 22 45 | 1 37 | 22 39 | 0 17 | 10 58 | 1 4 | 20 17 | 0 10 | 16 36 | 0 35 | 23 26 | 0 7 | 13 0 | 0 6 | 12 46 | 10 30 | 1 8 | 0 30 | 5 13 | 13 33 | 6 41 |
| S 19 | 20 12 | 1 55 | 0 9 | 22 32 | 1 41 | 22 36 | 0 15 | 10 41 | 1 3 | 20 14 | 0 10 | 16 34 | 0 35 | 23 26 | 0 7 | 12 59 | 0 6 | 12 46 | 10 30 | 1 8 | 0 31 | 5 10 | 13 32 | 6 41 |
| S 20 | 19 59 | 3n42 | 0n54 | 22 18 | 1 45 | 22 31 | 0 12 | 10 23 | 1 2 | 20 12 | 0 10 | 16 32 | 0 35 | 23 26 | 0 7 | 12 59 | 0 6 | 12 46 | 10 30 | 1 8 | 0 33 | 5 6 | 13 30 | 6 41 |
| M21 | 19 46 | 9 14 | 1 55 | 22 2 | 1 49 | 22 27 | 0 10 | 10 5 | 1 2 | 20 9 | 0 10 | 16 30 | 0 35 | 23 26 | 0 7 | 12 58 | 0 6 | 12 46 | 10 30 | 1 8 | 0 34 | 5 3 | 13 29 | 6 41 |
| T 22 | 19 33 | 14 30 | 2 52 | 21 44 | 1 52 | 22 21 | 0 7 | 9 47 | 1 1 | 20 6 | 0 10 | 16 28 | 0 35 | 23 26 | 0 7 | 12 57 | 0 6 | 12 46 | 10 31 | 1 7 | 0 35 | 5 0 | 13 28 | 6 41 |
| W23 | 19 19 | 19 18 | 3 43 | 21 26 | 1 55 | 22 15 | 0 4 | 9 29 | 1 1 | 20 3 | 0 11 | 16 26 | 0 35 | 23 26 | 0 7 | 12 56 | 0 6 | 12 46 | 10 31 | 1 8 | 0 36 | 4 56 | 13 27 | 6 41 |
| T 24 | 19 5 | 23 24 | 4 24 | 21 6 | 1 58 | 22 8 | 0 2 | 9 11 | 1 0 | 20 0 | 0 11 | 16 24 | 0 35 | 23 26 | 0 7 | 12 56 | 0 6 | 12 46 | 10 31 | 1 9 | 0 38 | 4 53 | 13 26 | 6 41 |
| F 25 | 18 50 | 26 29 | 4 52 | 20 45 | 2 0 | 22 1 | 0s 1 | 8 53 | 1 0 | 19 57 | 0 11 | 16 22 | 0 35 | 23 26 | 0 7 | 12 55 | 0 6 | 12 45 | 10 31 | 1 11 | 0 39 | 4 49 | 13 24 | 6 42 |
| S 26 | 18 35 | 28 12 | 5 6 | 20 22 | 2 2 | 21 53 | 0 3 | 8 35 | 0 59 | 19 54 | 0 11 | 16 20 | 0 35 | 23 26 | 0 7 | 12 54 | 0 7 | 12 45 | 10 31 | 1 13 | 0 40 | 4 46 | 13 23 | 6 42 |
| S 27 | 18 20 | 28 13 | 5 3 | 19 58 | 2 4 | 21 44 | 0 6 | 8 16 | 0 58 | 19 51 | 0 11 | 16 18 | 0 35 | 23 26 | 0 7 | 12 54 | 0 7 | 12 45 | 10 31 | 1 16 | 0 41 | 4 43 | 13 22 | 6 42 |
| M28 | 18 4 | 26 22 | 4 41 | 19 33 | 2 5 | 21 34 | 0 8 | 7 58 | 0 58 | 19 48 | 0 11 | 16 16 | 0 36 | 23 26 | 0 7 | 12 53 | 0 7 | 12 45 | 10 31 | 1 20 | 0 43 | 4 39 | 13 21 | 6 42 |
| T 29 | 17 48 | 22 43 | 4 0 | 19 6 | 2 6 | 21 24 | 0 11 | 7 39 | 0 57 | 19 45 | 0 11 | 16 14 | 0 36 | 23 26 | 0 7 | 12 52 | 0 7 | 12 45 | 10 32 | 1 23 | 0 44 | 4 36 | 13 19 | 6 42 |
| W30 | 17 32 | 17 33 | 3 3 | 18 39 | 2 7 | 21 13 | 0 13 | 7 21 | 0 57 | 19 42 | 0 11 | 16 12 | 0 36 | 23 26 | 0 7 | 12 51 | 0 7 | 12 45 | 10 32 | 1 25 | 0 45 | 4 32 | 13 18 | 6 42 |
| T 31 | 17s15 | 11n18 | 1n52 | 18s 9 | 2s 7 | 21s 2 | 0s16 | 7s 2 | 0s56 | 19s39 | 0s11 | 16s 9 | 0s36 | 23s26 | 0s 7 | 12s51 | 0s 7 | 12s45 | 10n32 | 1s27 | 0s46 | 4s29 | 13s17 | 6n42 |

Julian Day Number = 2814231.5, Delta T = 54m07s
Ecliptic obliquity = 23°18'47, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°38'28, Lahiri = 37°45'28


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# ASTRODIENST EPHEMERIS for the year 2993
# geocentric

## FEBRUARY 2993 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 8 48 17 | 12♒28'25 | 20♍ 5 | 17♒ 6 | 27♉35 | 15♓ 1 | 2♒53 | 17♒21 | 0♉41 | 26♒10 | 26♐51 | 26°D19 | 28♓ 0 | 20♓22 | 1♒ 7 | F 1 |
| S 2 | 8 52 14 | 13°29'28 | 4♎48 | 18°47 | 28°50 | 15°48 | 3° 6 | 17°28 | 0°44 | 26°12 | 26°53 | 26♓19 | 27°56 | 20°29 | 1°12 | S 2 |
| S 3 | 8 56 10 | 14°30'30 | 19°14 | 20°29 | 0♒ 6 | 16°36 | 3°20 | 17°35 | 0°47 | 26°15 | 26°55 | 26°21 | 27°53 | 20°35 | 1°18 | S 3 |
| M 4 | 9 0 7 | 15°31'32 | 3♏22 | 22°12 | 1°21 | 17°23 | 3°34 | 17°42 | 0°49 | 26°17 | 26°56 | 26°22 | 27°50 | 20°42 | 1°24 | M 4 |
| T 5 | 9 4 4 | 16°32'33 | 17° 9 | 23°54 | 2°36 | 18°10 | 3°48 | 17°49 | 0°52 | 26°19 | 26°58 | 26°R22 | 27°47 | 20°49 | 1°29 | T 5 |
| W 6 | 9 8 0 | 17°33'35 | 0♐38 | 25°37 | 3°51 | 18°57 | 4° 2 | 17°56 | 0°55 | 26°21 | 27° 0 | 26°22 | 27°44 | 20°55 | 1°35 | W 6 |
| T 7 | 9 11 57 | 18°34'36 | 13°50 | 27°20 | 5° 7 | 19°44 | 4°15 | 18° 4 | 0°58 | 26°24 | 27° 1 | 26°19 | 27°40 | 21° 2 | 1°41 | T 7 |
| F 8 | 9 15 53 | 19°35'36 | 26°45 | 29° 4 | 6°22 | 20°32 | 4°29 | 18°11 | 1° 1 | 26°26 | 27° 3 | 26°15 | 27°37 | 21° 9 | 1°46 | F 8 |
| S 9 | 9 19 50 | 20°36'37 | 9♑27 | 0♓47 | 7°37 | 21°19 | 4°43 | 18°18 | 1° 3 | 26°28 | 27° 5 | 26° 9 | 27°34 | 21°15 | 1°52 | S 9 |
| S 10 | 9 23 46 | 21°37'36 | 21°57 | 2°31 | 8°53 | 22° 6 | 4°57 | 18°25 | 1° 6 | 26°30 | 27° 6 | 26° 2 | 27°31 | 21°22 | 1°57 | S 10 |
| M11 | 9 27 43 | 22°38'35 | 4♒15 | 4°14 | 10° 8 | 22°53 | 5°10 | 18°32 | 1° 9 | 26°33 | 27° 8 | 25°56 | 27°28 | 21°28 | 2° 3 | M11 |
| T 12 | 9 31 39 | 23°39'34 | 16°24 | 5°57 | 11°23 | 23°40 | 5°24 | 18°39 | 1°11 | 26°35 | 27° 9 | 25°50 | 27°25 | 21°35 | 2° 8 | T 12 |
| W13 | 9 35 36 | 24°40'31 | 28°25 | 7°39 | 12°38 | 24°27 | 5°38 | 18°46 | 1°14 | 26°37 | 27°11 | 25°46 | 27°21 | 21°42 | 2°14 | W13 |
| T 14 | 9 39 33 | 25°41'27 | 10♓18 | 9°20 | 13°54 | 25°14 | 5°51 | 18°54 | 1°16 | 26°39 | 27°12 | 25°43 | 27°18 | 21°48 | 2°19 | T 14 |
| F 15 | 9 43 29 | 26°42'23 | 22° 7 | 11° 0 | 15° 9 | 26° 2 | 6° 5 | 19° 1 | 1°19 | 26°42 | 27°14 | 25°D42 | 27°15 | 21°55 | 2°25 | F 15 |
| S 16 | 9 47 26 | 27°43'17 | 3♈53 | 12°39 | 16°24 | 26°49 | 6°18 | 19° 8 | 1°21 | 26°44 | 27°15 | 25°42 | 27°12 | 22° 2 | 2°30 | S 16 |
| S 17 | 9 51 22 | 28°44'10 | 15°40 | 14°16 | 17°40 | 27°36 | 6°32 | 19°15 | 1°24 | 26°46 | 27°16 | 25°43 | 27° 9 | 22° 8 | 2°35 | S 17 |
| M18 | 9 55 19 | 29°45'03 | 27°31 | 15°51 | 18°55 | 28°23 | 6°45 | 19°22 | 1°26 | 26°49 | 27°18 | 25°45 | 27° 5 | 22°15 | 2°41 | M18 |
| T 19 | 9 59 15 | 0♓45'53 | 9♉31 | 17°22 | 20°10 | 29°10 | 6°58 | 19°29 | 1°28 | 26°51 | 27°19 | 25°47 | 27° 2 | 22°22 | 2°46 | T 19 |
| W20 | 10 3 12 | 1°46'43 | 21°44 | 18°51 | 21°25 | 29°57 | 7°12 | 19°36 | 1°31 | 26°53 | 27°20 | 25°48 | 26°59 | 22°28 | 2°51 | W20 |
| T 21 | 10 7 8 | 2°47'31 | 4♊15 | 20°15 | 22°40 | 0♈44 | 7°25 | 19°43 | 1°33 | 26°55 | 27°22 | 25°R49 | 26°56 | 22°35 | 2°56 | T 21 |
| F 22 | 10 11 5 | 3°48'18 | 17° 8 | 21°35 | 23°56 | 1°31 | 7°38 | 19°50 | 1°35 | 26°58 | 27°23 | 25°48 | 26°53 | 22°42 | 3° 2 | F 22 |
| S 23 | 10 15 2 | 4°49'04 | 0♋28 | 22°50 | 25°11 | 2°18 | 7°52 | 19°57 | 1°37 | 27° 0 | 27°24 | 25°46 | 26°50 | 22°48 | 3° 7 | S 23 |
| S 24 | 10 18 58 | 5°49'48 | 14°15 | 23°58 | 26°26 | 3° 5 | 8° 5 | 20° 4 | 1°39 | 27° 2 | 27°25 | 25°44 | 26°46 | 22°55 | 3°12 | S 24 |
| M25 | 10 22 55 | 6°50'30 | 28°30 | 25° 0 | 27°41 | 3°52 | 8°18 | 20°11 | 1°41 | 27° 4 | 27°26 | 25°41 | 26°43 | 23° 1 | 3°17 | M25 |
| T 26 | 10 26 51 | 7°51'11 | 13♌11 | 25°54 | 28°57 | 4°38 | 8°31 | 20°18 | 1°44 | 27° 7 | 27°27 | 25°39 | 26°40 | 23° 8 | 3°22 | T 26 |
| W27 | 10 30 48 | 8°51'51 | 28°11 | 26°40 | 0♓12 | 5°25 | 8°44 | 20°25 | 1°45 | 27° 9 | 27°28 | 25°37 | 26°37 | 23°15 | 3°27 | W27 |
| T 28 | 10 34 44 | 9♓52'29 | 13♍22 | 27♓17 | 1♓27 | 6♈12 | 8♒57 | 20♒32 | 1♉47 | 27♒11 | 27♐29 | 25♓36 | 26♓34 | 23♓21 | 3♒32 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s58 | 4n25 | 0n34 | 17s39 | 2s 7 | 20s50 | 0s18 | 6s43 | 0s55 | 19s36 | 0s11 | 16s 7 | 0s36 | 23s26 | 0s 7 | 12s50 | 0s 7 | 12s45 | 10n32 | 1s27 | 0s48 | 4s26 | 13s16 | 6n42 |
| S 2 | 16 41 | 2s36 | 0s46 | 17 7 | 2 6 | 20 37 | 0 21 | 6 25 | 0 55 | 19 33 | 0 11 | 16 5 | 0 36 | 23 26 | 0 7 | 12 49 | 0 7 | 12 45 | 10 32 | 1 27 | 0 49 | 4 22 | 13 14 | 6 42 |
| S 3 | 16 24 | 9 22 | 2 1 | 16 34 | 2 5 | 20 24 | 0 23 | 6 6 | 0 54 | 19 30 | 0 12 | 16 3 | 0 36 | 23 26 | 0 7 | 12 48 | 0 7 | 12 44 | 10 32 | 1 27 | 0 50 | 4 19 | 13 13 | 6 42 |
| M 4 | 16 6 | 15 30 | 3 8 | 15 59 | 2 3 | 20 10 | 0 25 | 5 47 | 0 54 | 19 27 | 0 12 | 16 1 | 0 36 | 23 26 | 0 7 | 12 48 | 0 7 | 12 44 | 10 33 | 1 26 | 0 51 | 4 15 | 13 12 | 6 42 |
| T 5 | 15 48 | 20 43 | 4 1 | 15 23 | 2 1 | 19 56 | 0 28 | 5 28 | 0 53 | 19 23 | 0 12 | 15 59 | 0 36 | 23 26 | 0 7 | 12 47 | 0 7 | 12 44 | 10 33 | 1 26 | 0 53 | 4 12 | 13 10 | 6 43 |
| W 6 | 15 29 | 24 45 | 4 40 | 14 47 | 1 59 | 19 40 | 0 30 | 5 9 | 0 52 | 19 20 | 0 12 | 15 57 | 0 36 | 23 26 | 0 7 | 12 46 | 0 7 | 12 44 | 10 33 | 1 26 | 0 54 | 4 9 | 13 9 | 6 43 |
| T 7 | 15 11 | 27 22 | 5 4 | 14 8 | 1 55 | 19 25 | 0 32 | 4 50 | 0 52 | 19 17 | 0 12 | 15 55 | 0 36 | 23 26 | 0 7 | 12 45 | 0 7 | 12 44 | 10 33 | 1 27 | 0 55 | 4 5 | 13 8 | 6 43 |
| F 8 | 14 52 | 28 27 | 5 11 | 13 29 | 1 52 | 19 9 | 0 35 | 4 31 | 0 51 | 19 14 | 0 12 | 15 53 | 0 36 | 23 26 | 0 7 | 12 45 | 0 7 | 12 44 | 10 33 | 1 29 | 0 56 | 4 2 | 13 6 | 6 43 |
| S 9 | 14 33 | 28 1 | 5 3 | 12 49 | 1 47 | 18 52 | 0 37 | 4 12 | 0 50 | 19 11 | 0 12 | 15 50 | 0 36 | 23 26 | 0 7 | 12 44 | 0 7 | 12 44 | 10 33 | 1 31 | 0 58 | 3 58 | 13 5 | 6 43 |
| S 10 | 14 13 | 26 9 | 4 40 | 12 7 | 1 42 | 18 34 | 0 39 | 3 53 | 0 50 | 19 8 | 0 12 | 15 48 | 0 36 | 23 26 | 0 7 | 12 43 | 0 7 | 12 43 | 10 34 | 1 34 | 0 59 | 3 55 | 13 4 | 6 43 |
| M11 | 13 54 | 23 3 | 4 5 | 11 25 | 1 37 | 18 17 | 0 41 | 3 34 | 0 49 | 19 5 | 0 12 | 15 46 | 0 36 | 23 26 | 0 8 | 12 42 | 0 7 | 12 43 | 10 34 | 1 37 | 1 0 | 3 52 | 13 2 | 6 44 |
| T 12 | 13 34 | 19 0 | 3 19 | 10 41 | 1 30 | 17 58 | 0 43 | 3 15 | 0 49 | 19 1 | 0 12 | 15 44 | 0 37 | 23 26 | 0 8 | 12 42 | 0 7 | 12 43 | 10 34 | 1 39 | 1 1 | 3 48 | 13 1 | 6 44 |
| W13 | 13 14 | 14 13 | 2 24 | 9 57 | 1 23 | 17 39 | 0 46 | 2 55 | 0 48 | 18 58 | 0 13 | 15 42 | 0 37 | 23 26 | 0 8 | 12 41 | 0 7 | 12 43 | 10 34 | 1 40 | 1 3 | 3 45 | 13 0 | 6 44 |
| T 14 | 12 53 | 8 57 | 1 23 | 9 12 | 1 16 | 17 20 | 0 48 | 2 36 | 0 47 | 18 55 | 0 13 | 15 40 | 0 37 | 23 26 | 0 8 | 12 40 | 0 7 | 12 43 | 10 34 | 1 42 | 1 4 | 3 41 | 12 58 | 6 44 |
| F 15 | 12 33 | 3 25 | 0 20 | 8 26 | 1 7 | 17 0 | 0 50 | 2 17 | 0 47 | 18 52 | 0 13 | 15 38 | 0 37 | 23 26 | 0 8 | 12 39 | 0 7 | 12 43 | 10 35 | 1 42 | 1 5 | 3 38 | 12 57 | 6 44 |
| S 16 | 12 12 | 2n14 | 0n45 | 7 40 | 0 58 | 16 39 | 0 52 | 1 58 | 0 46 | 18 48 | 0 13 | 15 36 | 0 37 | 23 26 | 0 8 | 12 39 | 0 7 | 12 42 | 10 35 | 1 42 | 1 7 | 3 34 | 12 55 | 6 45 |
| S 17 | 11 51 | 7 48 | 1 48 | 6 54 | 0 48 | 16 19 | 0 53 | 1 39 | 0 45 | 18 45 | 0 13 | 15 33 | 0 37 | 23 26 | 0 8 | 12 38 | 0 7 | 12 42 | 10 35 | 1 41 | 1 8 | 3 31 | 12 54 | 6 45 |
| M18 | 11 30 | 13 8 | 2 46 | 6 8 | 0 38 | 15 57 | 0 55 | 1 19 | 0 45 | 18 42 | 0 13 | 15 31 | 0 37 | 23 26 | 0 8 | 12 37 | 0 7 | 12 42 | 10 35 | 1 41 | 1 9 | 3 28 | 12 53 | 6 45 |
| T 19 | 11 9 | 18 2 | 3 39 | 5 22 | 0 26 | 15 35 | 0 57 | 1 0 | 0 44 | 18 39 | 0 13 | 15 29 | 0 37 | 23 26 | 0 8 | 12 36 | 0 7 | 12 42 | 10 36 | 1 40 | 1 10 | 3 24 | 12 51 | 6 45 |
| W20 | 10 47 | 22 19 | 4 22 | 4 36 | 0 14 | 15 13 | 0 59 | 0 41 | 0 43 | 18 35 | 0 13 | 15 27 | 0 37 | 23 26 | 0 8 | 12 36 | 0 7 | 12 42 | 10 36 | 1 40 | 1 12 | 3 21 | 12 50 | 6 45 |
| T 21 | 10 25 | 25 42 | 4 54 | 3 52 | 0 1 | 14 50 | 1 1 | 0 22 | 0 43 | 18 32 | 0 13 | 15 25 | 0 37 | 23 26 | 0 8 | 12 35 | 0 7 | 12 41 | 10 36 | 1 39 | 1 13 | 3 17 | 12 49 | 6 46 |
| F 22 | 10 4 | 27 52 | 5 12 | 3 8 | 0n12 | 14 27 | 1 2 | 0 3 | 0 42 | 18 29 | 0 14 | 15 23 | 0 37 | 23 26 | 0 8 | 12 34 | 0 7 | 12 41 | 10 36 | 1 40 | 1 14 | 3 14 | 12 47 | 6 46 |
| S 23 | 9 42 | 28 33 | 5 15 | 2 25 | 0 27 | 14 4 | 1 4 | 0n17 | 0 41 | 18 26 | 0 14 | 15 21 | 0 37 | 23 26 | 0 8 | 12 33 | 0 7 | 12 41 | 10 36 | 1 40 | 1 15 | 3 10 | 12 46 | 6 46 |
| S 24 | 9 20 | 27 31 | 4 59 | 1 45 | 0 41 | 13 40 | 1 6 | 0 36 | 0 41 | 18 22 | 0 14 | 15 19 | 0 38 | 23 26 | 0 8 | 12 32 | 0 7 | 12 41 | 10 37 | 1 41 | 1 17 | 3 7 | 12 44 | 6 47 |
| M25 | 8 57 | 24 41 | 4 26 | 1 7 | 0 56 | 13 16 | 1 7 | 0 55 | 0 40 | 18 19 | 0 14 | 15 16 | 0 38 | 23 26 | 0 8 | 12 32 | 0 7 | 12 40 | 10 37 | 1 42 | 1 18 | 3 4 | 12 43 | 6 47 |
| T 26 | 8 35 | 20 11 | 3 34 | 0 31 | 1 12 | 12 51 | 1 9 | 1 14 | 0 39 | 18 16 | 0 14 | 15 14 | 0 38 | 23 26 | 0 8 | 12 31 | 0 7 | 12 40 | 10 37 | 1 43 | 1 19 | 3 0 | 12 42 | 6 47 |
| W27 | 8 12 | 14 20 | 2 26 | 0n 2 | 1 28 | 12 26 | 1 10 | 1 33 | 0 39 | 18 12 | 0 14 | 15 12 | 0 38 | 23 26 | 0 8 | 12 30 | 0 7 | 12 40 | 10 37 | 1 44 | 1 20 | 2 57 | 12 40 | 6 47 |
| T 28 | 7s50 | 7n33 | 1n 7 | 0n31 | 1n43 | 12s 1 | 1s11 | 1n52 | 0s38 | 18s 9 | 0s14 | 15s10 | 0s38 | 23s26 | 0s 8 | 12s29 | 0s 7 | 12s40 | 10n38 | 1s45 | 1s22 | 2s53 | 12s39 | 6n48 |

Julian Day Number = 2814262.5, Delta T = 54m07s
Ecliptic obliquity = 23°18'47, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°38'32, Lahiri = 37°45'33


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# ASTRODIENST EPHEMERIS for the year 2993
# geocentric

## MARCH 2993 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 38 41 | 10♓53'06 | 28♍34 | 27♓45 | 2♓42 | 6♈59 | 9♒10 | 20♒39 | 1♑49 | 27♒13 | 27♐30 | 25°D35 | 26♓31 | 23♓28 | 3♒37 | F 1 |
| S 2 | 10 42 37 | 11°53'41 | 13♎38 | 28° 2 | 3°57 | 7°46 | 9°23 | 20°45 | 1°51 | 27°16 | 27°31 | 25♓36 | 26°27 | 23°35 | 3°42 | S 2 |
| S 3 | 10 46 34 | 12°54'16 | 28°25 | 28°R10 | 5°12 | 8°32 | 9°36 | 20°52 | 1°53 | 27°18 | 27°32 | 25°37 | 26°24 | 23°41 | 3°47 | S 3 |
| M 4 | 10 50 31 | 13°54'49 | 12♏51 | 28° 6 | 6°28 | 9°19 | 9°49 | 20°59 | 1°55 | 27°20 | 27°33 | 25°38 | 26°21 | 23°48 | 3°51 | M 4 |
| T 5 | 10 54 27 | 14°55'21 | 26°52 | 27°53 | 7°43 | 10° 6 | 10° 1 | 21° 6 | 1°56 | 27°22 | 27°34 | 25°39 | 26°18 | 23°55 | 3°56 | T 5 |
| W 6 | 10 58 24 | 15°55'52 | 10♐28 | 27°29 | 8°58 | 10°53 | 10°14 | 21°13 | 1°58 | 27°24 | 27°35 | 25°R39 | 26°15 | 24° 1 | 4° 1 | W 6 |
| T 7 | 11 2 20 | 16°56'22 | 23°40 | 26°56 | 10°13 | 11°39 | 10°26 | 21°19 | 1°59 | 27°27 | 27°36 | 25°39 | 26°11 | 24° 8 | 4° 5 | T 7 |
| F 8 | 11 6 17 | 17°56'51 | 6♑30 | 26°14 | 11°28 | 12°26 | 10°39 | 21°26 | 2° 1 | 27°29 | 27°36 | 25°39 | 26° 8 | 24°15 | 4°10 | F 8 |
| S 9 | 11 10 13 | 18°57'18 | 19° 2 | 25°25 | 12°43 | 13°12 | 10°51 | 21°33 | 2° 3 | 27°31 | 27°37 | 25°38 | 26° 5 | 24°21 | 4°15 | S 9 |
| S 10 | 11 14 10 | 19°57'44 | 1♒19 | 24°30 | 13°58 | 13°59 | 11° 4 | 21°39 | 2° 4 | 27°33 | 27°38 | 25°37 | 26° 2 | 24°28 | 4°19 | S 10 |
| M11 | 11 18 6 | 20°58'09 | 13°25 | 23°29 | 15°14 | 14°45 | 11°16 | 21°46 | 2° 5 | 27°35 | 27°39 | 25°36 | 25°59 | 24°34 | 4°24 | M11 |
| T 12 | 11 22 3 | 21°58'32 | 25°23 | 22°26 | 16°29 | 15°32 | 11°29 | 21°52 | 2° 7 | 27°37 | 27°39 | 25°36 | 25°56 | 24°41 | 4°28 | T 12 |
| W13 | 11 26 0 | 22°58'54 | 7♓14 | 21°21 | 17°44 | 16°18 | 11°41 | 21°59 | 2° 8 | 27°40 | 27°40 | 25°36 | 25°52 | 24°48 | 4°32 | W13 |
| T 14 | 11 29 56 | 23°59'14 | 19° 3 | 20°17 | 18°59 | 17° 5 | 11°53 | 22° 5 | 2° 9 | 27°42 | 27°40 | 25°35 | 25°49 | 24°54 | 4°37 | T 14 |
| F 15 | 11 33 53 | 24°59'32 | 0♈50 | 19°14 | 20°14 | 17°51 | 12° 5 | 22°12 | 2°10 | 27°44 | 27°41 | 25°D35 | 25°46 | 25° 1 | 4°41 | F 15 |
| S 16 | 11 37 49 | 25°59'49 | 12°38 | 18°14 | 21°29 | 18°38 | 12°17 | 22°18 | 2°11 | 27°46 | 27°41 | 25°R35 | 25°43 | 25° 8 | 4°45 | S 16 |
| S 17 | 11 41 46 | 27° 0'03 | 24°29 | 17°18 | 22°44 | 19°24 | 12°29 | 22°24 | 2°13 | 27°48 | 27°42 | 25°35 | 25°40 | 25°14 | 4°49 | S 17 |
| M18 | 11 45 42 | 28° 0'17 | 6♉26 | 16°27 | 23°59 | 20°10 | 12°41 | 22°31 | 2°14 | 27°50 | 27°42 | 25°35 | 25°37 | 25°21 | 4°53 | M18 |
| T 19 | 11 49 39 | 29° 0'28 | 18°31 | 15°42 | 25°14 | 20°57 | 12°52 | 22°37 | 2°15 | 27°52 | 27°43 | 25°35 | 25°33 | 25°28 | 4°57 | T 19 |
| W20 | 11 53 35 | 0♈ 0'37 | 0♊48 | 15° 3 | 26°29 | 21°43 | 13° 4 | 22°43 | 2°15 | 27°54 | 27°43 | 25°34 | 25°30 | 25°34 | 5° 1 | W20 |
| T 21 | 11 57 32 | 1° 0'44 | 13°20 | 14°31 | 27°44 | 22°29 | 13°16 | 22°49 | 2°16 | 27°56 | 27°43 | 25°34 | 25°27 | 25°41 | 5° 5 | T 21 |
| F 22 | 12 1 28 | 2° 0'50 | 26°10 | 14° 6 | 28°59 | 23°15 | 13°27 | 22°55 | 2°17 | 27°58 | 27°44 | 25°D34 | 25°24 | 25°48 | 5° 9 | F 22 |
| S 23 | 12 5 25 | 3° 0'53 | 9♋22 | 13°47 | 0♈14 | 24° 1 | 13°38 | 23° 1 | 2°18 | 28° 0 | 27°44 | 25°34 | 25°21 | 25°54 | 5°13 | S 23 |
| S 24 | 12 9 22 | 4° 0'54 | 22°58 | 13°35 | 1°29 | 24°47 | 13°50 | 23° 7 | 2°19 | 28° 2 | 27°44 | 25°34 | 25°17 | 26° 1 | 5°17 | S 24 |
| M25 | 12 13 18 | 5° 0'53 | 6♌59 | 13°D30 | 2°44 | 25°33 | 14° 1 | 23°13 | 2°19 | 28° 4 | 27°44 | 25°35 | 25°14 | 26° 7 | 5°20 | M25 |
| T 26 | 12 17 15 | 6° 0'50 | 21°26 | 13°31 | 3°59 | 26°19 | 14°12 | 23°19 | 2°20 | 28° 6 | 27°44 | 25°35 | 25°11 | 26°14 | 5°24 | T 26 |
| W27 | 12 21 11 | 7° 0'44 | 6♍14 | 13°39 | 5°13 | 27° 5 | 14°23 | 23°25 | 2°20 | 28° 7 | 27°45 | 25°36 | 25° 8 | 26°21 | 5°27 | W27 |
| T 28 | 12 25 8 | 8° 0'37 | 21°18 | 13°52 | 6°28 | 27°51 | 14°34 | 23°31 | 2°21 | 28° 9 | 27°45 | 25°R37 | 25° 5 | 26°27 | 5°31 | T 28 |
| F 29 | 12 29 4 | 9° 0'28 | 6♎30 | 14°10 | 7°43 | 28°37 | 14°45 | 23°37 | 2°21 | 28°11 | 27°45 | 25°37 | 25° 2 | 26°34 | 5°34 | F 29 |
| S 30 | 12 33 1 | 10° 0'16 | 21°41 | 14°34 | 8°58 | 29°23 | 14°56 | 23°42 | 2°22 | 28°13 | 27°R45 | 25°36 | 24°58 | 26°41 | 5°38 | S 30 |
| S 31 | 12 36 57 | 11♈ 0'03 | 6♏40 | 15♓ 2 | 10♈13 | 0♉ 9 | 15♒ 7 | 23♒48 | 2♑22 | 28♒15 | 27♐45 | 25♓34 | 24♓55 | 26♓47 | 5♒41 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7s27 | 0n19 | 0s16 | 0n56 | 1n59 | 11s35 | 1s13 | 2n11 | 0s37 | 18s 6 | 0s14 | 15s 8 | 0s38 | 23s26 | 0s 8 | 12s29 | 0s 7 | 12s40 | 10n38 | 1s45 | 1s23 | 2s50 | 12s37 | 6n48 |
| S 2 | 7 4 | 6s52 | 1 38 | 1 17 | 2 14 | 11 9 | 1 14 | 2 30 | 0 36 | 18 3 | 0 14 | 15 6 | 0 38 | 23 26 | 0 8 | 12 28 | 0 7 | 12 39 | 10 38 | 1 44 | 1 24 | 2 47 | 12 36 | 6 48 |
| S 3 | 6 41 | 13 32 | 2 52 | 1 33 | 2 29 | 10 43 | 1 15 | 2 49 | 0 36 | 17 59 | 0 15 | 15 4 | 0 38 | 23 26 | 0 8 | 12 27 | 0 7 | 12 39 | 10 38 | 1 44 | 1 25 | 2 43 | 12 35 | 6 49 |
| M 4 | 6 18 | 19 19 | 3 53 | 1 45 | 2 43 | 10 17 | 1 16 | 3 8 | 0 35 | 17 56 | 0 15 | 15 2 | 0 38 | 23 26 | 0 8 | 12 26 | 0 7 | 12 39 | 10 39 | 1 44 | 1 27 | 2 40 | 12 33 | 6 49 |
| T 5 | 5 55 | 23 52 | 4 38 | 1 51 | 2 56 | 9 50 | 1 18 | 3 27 | 0 34 | 17 53 | 0 15 | 15 0 | 0 38 | 23 26 | 0 8 | 12 26 | 0 7 | 12 39 | 10 39 | 1 43 | 1 28 | 2 36 | 12 32 | 6 49 |
| W 6 | 5 31 | 26 57 | 5 6 | 1 53 | 3 8 | 9 23 | 1 19 | 3 46 | 0 34 | 17 49 | 0 15 | 14 58 | 0 38 | 23 26 | 0 8 | 12 25 | 0 7 | 12 38 | 10 39 | 1 43 | 1 29 | 2 33 | 12 30 | 6 50 |
| T 7 | 5 8 | 28 27 | 5 17 | 1 49 | 3 18 | 8 56 | 1 20 | 4 5 | 0 33 | 17 46 | 0 15 | 14 56 | 0 38 | 23 26 | 0 8 | 12 24 | 0 7 | 12 38 | 10 40 | 1 43 | 1 30 | 2 29 | 12 29 | 6 50 |
| F 8 | 4 44 | 28 21 | 5 12 | 1 40 | 3 26 | 8 28 | 1 20 | 4 23 | 0 32 | 17 43 | 0 15 | 14 54 | 0 39 | 23 26 | 0 8 | 12 24 | 0 7 | 12 38 | 10 40 | 1 43 | 1 32 | 2 26 | 12 28 | 6 50 |
| S 9 | 4 21 | 26 47 | 4 52 | 1 27 | 3 33 | 8 0 | 1 21 | 4 42 | 0 32 | 17 40 | 0 15 | 14 52 | 0 39 | 23 26 | 0 8 | 12 23 | 0 7 | 12 38 | 10 40 | 1 44 | 1 33 | 2 22 | 12 26 | 6 51 |
| S 10 | 3 57 | 23 57 | 4 18 | 1 9 | 3 37 | 7 32 | 1 22 | 5 1 | 0 31 | 17 36 | 0 15 | 14 50 | 0 39 | 23 26 | 0 8 | 12 22 | 0 7 | 12 37 | 10 40 | 1 44 | 1 34 | 2 19 | 12 25 | 6 51 |
| M11 | 3 34 | 20 7 | 3 34 | 0 47 | 3 39 | 7 4 | 1 23 | 5 19 | 0 30 | 17 33 | 0 15 | 14 48 | 0 39 | 23 26 | 0 8 | 12 21 | 0 7 | 12 37 | 10 41 | 1 44 | 1 35 | 2 16 | 12 23 | 6 52 |
| T 12 | 3 10 | 15 31 | 2 40 | 0 22 | 3 39 | 6 36 | 1 23 | 5 38 | 0 30 | 17 30 | 0 16 | 14 46 | 0 39 | 23 26 | 0 8 | 12 21 | 0 7 | 12 37 | 10 41 | 1 44 | 1 37 | 2 12 | 12 22 | 6 52 |
| W13 | 2 46 | 10 22 | 1 40 | 0s 5 | 3 37 | 6 7 | 1 24 | 5 56 | 0 29 | 17 27 | 0 16 | 14 44 | 0 39 | 23 26 | 0 8 | 12 20 | 0 7 | 12 37 | 10 41 | 1 45 | 1 38 | 2 9 | 12 21 | 6 52 |
| T 14 | 2 23 | 4 52 | 0 36 | 0 35 | 3 32 | 5 38 | 1 25 | 6 15 | 0 28 | 17 23 | 0 16 | 14 42 | 0 39 | 23 26 | 0 8 | 12 19 | 0 7 | 12 36 | 10 41 | 1 45 | 1 39 | 2 5 | 12 19 | 6 53 |
| F 15 | 1 59 | 0n46 | 0n29 | 1 5 | 3 25 | 5 9 | 1 25 | 6 33 | 0 27 | 17 20 | 0 16 | 14 40 | 0 39 | 23 26 | 0 8 | 12 19 | 0 7 | 12 36 | 10 42 | 1 45 | 1 40 | 2 2 | 12 18 | 6 53 |
| S 16 | 1 35 | 6 24 | 1 33 | 1 36 | 3 17 | 4 40 | 1 25 | 6 51 | 0 27 | 17 17 | 0 16 | 14 38 | 0 39 | 23 26 | 0 8 | 12 18 | 0 7 | 12 36 | 10 42 | 1 45 | 1 42 | 1 58 | 12 17 | 6 54 |
| S 17 | 1 11 | 11 50 | 2 34 | 2 7 | 3 7 | 4 11 | 1 26 | 7 9 | 0 26 | 17 14 | 0 16 | 14 36 | 0 39 | 23 26 | 0 8 | 12 17 | 0 7 | 12 35 | 10 42 | 1 45 | 1 43 | 1 55 | 12 15 | 6 54 |
| M18 | 0 47 | 16 52 | 3 28 | 2 37 | 2 56 | 3 42 | 1 26 | 7 27 | 0 25 | 17 11 | 0 16 | 14 34 | 0 40 | 23 26 | 0 8 | 12 16 | 0 7 | 12 35 | 10 42 | 1 45 | 1 44 | 1 52 | 12 14 | 6 54 |
| T 19 | 0 24 | 21 19 | 4 14 | 3 6 | 2 44 | 3 12 | 1 26 | 7 45 | 0 25 | 17 7 | 0 16 | 14 32 | 0 40 | 23 26 | 0 8 | 12 16 | 0 7 | 12 35 | 10 43 | 1 45 | 1 45 | 1 48 | 12 12 | 6 55 |
| W20 | 0n 0 | 24 55 | 4 49 | 3 33 | 2 30 | 2 43 | 1 26 | 8 3 | 0 24 | 17 4 | 0 17 | 14 30 | 0 40 | 23 26 | 0 8 | 12 15 | 0 7 | 12 35 | 10 43 | 1 45 | 1 47 | 1 45 | 12 11 | 6 55 |
| T 21 | 0 24 | 27 25 | 5 11 | 3 58 | 2 17 | 2 13 | 1 27 | 8 21 | 0 23 | 17 1 | 0 17 | 14 28 | 0 40 | 23 26 | 0 8 | 12 14 | 0 7 | 12 34 | 10 43 | 1 45 | 1 48 | 1 41 | 12 10 | 6 56 |
| F 22 | 0 48 | 28 33 | 5 18 | 4 21 | 2 2 | 1 44 | 1 27 | 8 38 | 0 23 | 16 58 | 0 17 | 14 26 | 0 40 | 23 26 | 0 8 | 12 14 | 0 7 | 12 34 | 10 44 | 1 45 | 1 49 | 1 38 | 12 8 | 6 56 |
| S 23 | 1 12 | 28 7 | 5 9 | 4 41 | 1 48 | 1 14 | 1 27 | 8 56 | 0 22 | 16 55 | 0 17 | 14 24 | 0 40 | 23 26 | 0 8 | 12 13 | 0 7 | 12 34 | 10 44 | 1 45 | 1 50 | 1 34 | 12 7 | 6 57 |
| S 24 | 1 35 | 26 0 | 4 42 | 4 59 | 1 33 | 0 44 | 1 26 | 9 13 | 0 21 | 16 52 | 0 17 | 14 22 | 0 40 | 23 26 | 0 8 | 12 12 | 0 7 | 12 34 | 10 44 | 1 45 | 1 52 | 1 31 | 12 6 | 6 57 |
| M25 | 1 59 | 22 16 | 3 59 | 5 14 | 1 19 | 0 14 | 1 26 | 9 31 | 0 20 | 16 49 | 0 17 | 14 21 | 0 40 | 23 26 | 0 8 | 12 12 | 0 7 | 12 33 | 10 44 | 1 45 | 1 53 | 1 28 | 12 5 | 6 57 |
| T 26 | 2 23 | 17 6 | 2 59 | 5 27 | 1 4 | 0n15 | 1 26 | 9 48 | 0 20 | 16 45 | 0 17 | 14 19 | 0 40 | 23 26 | 0 8 | 12 11 | 0 7 | 12 33 | 10 45 | 1 45 | 1 54 | 1 24 | 12 3 | 6 58 |
| W27 | 2 46 | 10 49 | 1 46 | 5 38 | 0 50 | 0 45 | 1 26 | 10 5 | 0 19 | 16 42 | 0 17 | 14 17 | 0 41 | 23 26 | 0 8 | 12 11 | 0 7 | 12 33 | 10 45 | 1 44 | 1 55 | 1 21 | 12 2 | 6 58 |
| T 28 | 3 10 | 3 48 | 0 24 | 5 46 | 0 36 | 1 15 | 1 25 | 10 22 | 0 18 | 16 39 | 0 18 | 14 15 | 0 41 | 23 26 | 0 8 | 12 10 | 0 7 | 12 33 | 10 45 | 1 44 | 1 57 | 1 17 | 12 1 | 6 59 |
| F 29 | 3 33 | 3s29 | 1s 0 | 5 51 | 0 23 | 1 45 | 1 25 | 10 39 | 0 18 | 16 36 | 0 18 | 14 13 | 0 41 | 23 26 | 0 8 | 12 9 | 0 7 | 12 32 | 10 45 | 1 44 | 1 58 | 1 14 | 11 59 | 6 59 |
| S 30 | 3 57 | 10 34 | 2 20 | 5 54 | 0 9 | 2 14 | 1 24 | 10 56 | 0 17 | 16 33 | 0 18 | 14 12 | 0 41 | 23 26 | 0 8 | 12 9 | 0 7 | 12 32 | 10 46 | 1 45 | 1 59 | 1 10 | 11 58 | 7 0 |
| S 31 | 4n20 | 16s57 | 3s28 | 5s55 | 0s 3 | 2n44 | 1s24 | 11n13 | 0s16 | 16s30 | 0s18 | 14s10 | 0s41 | 23s26 | 0s 8 | 12s 8 | 0s 7 | 12s32 | 10n46 | 1s45 | 2s 0 | 1s 7 | 11s57 | 7n 0 |

Julian Day Number = 2814290.5, Delta T = 54m08s
Ecliptic obliquity = 23°18'48, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°38'36, Lahiri = 37°45'37


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# ASTRODIENST EPHEMERIS for the year 2993
# geocentric

## APRIL 2993 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 40 54 | 11♈59'48 | 21♏21 | 15♓35 | 11♈28 | 0♉54 | 15♒17 | 23♒53 | 2♋22 | 28♒17 | 27°R45 | 25°R32 | 24♓52 | 26♓54 | 5♒44 | M 1 |
| T 2 | 12 44 51 | 12°59'32 | 5♐36 | 16°12 | 12°42 | 1°40 | 15°28 | 23°59 | 2°23 | 28°18 | 27♐45 | 25♓30 | 24°49 | 27° 1 | 5°47 | T 2 |
| W 3 | 12 48 47 | 13°59'14 | 19°23 | 16°54 | 13°57 | 2°26 | 15°38 | 24° 4 | 2°23 | 28°20 | 27°44 | 25°28 | 24°46 | 27° 7 | 5°50 | W 3 |
| T 4 | 12 52 44 | 14°58'54 | 2♋43 | 17°39 | 15°12 | 3°11 | 15°48 | 24°10 | 2°23 | 28°22 | 27°44 | 25°26 | 24°43 | 27°14 | 5°53 | T 4 |
| F 5 | 12 56 40 | 15°58'32 | 15°37 | 18°27 | 16°27 | 3°57 | 15°58 | 24°15 | 2°23 | 28°24 | 27°44 | 25°D26 | 24°39 | 27°21 | 5°56 | F 5 |
| S 6 | 13 0 37 | 16°58'09 | 28° 8 | 19°19 | 17°41 | 4°43 | 16° 8 | 24°20 | 2°R23 | 28°25 | 27°44 | 25°26 | 24°36 | 27°27 | 5°59 | S 6 |
| S 7 | 13 4 33 | 17°57'44 | 10♒22 | 20°14 | 18°56 | 5°28 | 16°18 | 24°26 | 2°23 | 28°27 | 27°44 | 25°28 | 24°33 | 27°34 | 6° 2 | S 7 |
| M 8 | 13 8 30 | 18°57'18 | 22°23 | 21°12 | 20°11 | 6°13 | 16°28 | 24°31 | 2°23 | 28°28 | 27°43 | 25°29 | 24°30 | 27°41 | 6° 5 | M 8 |
| T 9 | 13 12 26 | 19°56'49 | 4♓14 | 22°12 | 21°26 | 6°59 | 16°38 | 24°36 | 2°23 | 28°30 | 27°43 | 25°31 | 24°27 | 27°47 | 6° 8 | T 9 |
| W10 | 13 16 23 | 20°56'19 | 16° 1 | 23°15 | 22°40 | 7°44 | 16°48 | 24°41 | 2°22 | 28°32 | 27°43 | 25°32 | 24°23 | 27°54 | 6°10 | W10 |
| T 11 | 13 20 20 | 21°55'47 | 27°47 | 24°21 | 23°55 | 8°30 | 16°57 | 24°46 | 2°22 | 28°33 | 27°42 | 25°R33 | 24°20 | 28° 0 | 6°13 | T 11 |
| F 12 | 13 24 16 | 22°55'13 | 9♈36 | 25°29 | 25° 9 | 9°15 | 17° 6 | 24°51 | 2°22 | 28°35 | 27°42 | 25°32 | 24°17 | 28° 7 | 6°15 | F 12 |
| S 13 | 13 28 13 | 23°54'37 | 21°28 | 26°39 | 26°24 | 10° 0 | 17°16 | 24°55 | 2°21 | 28°36 | 27°41 | 25°29 | 24°14 | 28°14 | 6°18 | S 13 |
| S 14 | 13 32 9 | 24°53'59 | 3♉27 | 27°52 | 27°39 | 10°45 | 17°25 | 25° 0 | 2°21 | 28°38 | 27°41 | 25°26 | 24°11 | 28°20 | 6°20 | S 14 |
| M15 | 13 36 6 | 25°53'19 | 15°35 | 29° 6 | 28°53 | 11°30 | 17°34 | 25° 5 | 2°21 | 28°39 | 27°40 | 25°21 | 24° 8 | 28°27 | 6°22 | M15 |
| T 16 | 13 40 2 | 26°52'37 | 27°52 | 0♈23 | 0♉ 8 | 12°15 | 17°43 | 25° 9 | 2°20 | 28°41 | 27°40 | 25°15 | 24° 4 | 28°34 | 6°24 | T 16 |
| W17 | 13 43 59 | 27°51'53 | 10♊21 | 1°41 | 1°22 | 13° 0 | 17°52 | 25°14 | 2°20 | 28°42 | 27°39 | 25° 9 | 24° 1 | 28°40 | 6°26 | W17 |
| T 18 | 13 47 55 | 28°51'07 | 23° 2 | 3° 1 | 2°37 | 13°45 | 18° 0 | 25°18 | 2°19 | 28°43 | 27°39 | 25° 5 | 23°58 | 28°47 | 6°28 | T 18 |
| F 19 | 13 51 52 | 29°50'19 | 5♋58 | 4°23 | 3°51 | 14°30 | 18° 9 | 25°23 | 2°18 | 28°45 | 27°38 | 25° 1 | 23°55 | 28°54 | 6°30 | F 19 |
| S 20 | 13 55 49 | 0♉49'28 | 19°10 | 5°47 | 5° 6 | 15°15 | 18°17 | 25°27 | 2°18 | 28°46 | 27°37 | 24°59 | 23°52 | 29° 0 | 6°32 | S 20 |
| S 21 | 13 59 45 | 1°48'35 | 2♌41 | 7°12 | 6°20 | 16° 0 | 18°25 | 25°31 | 2°17 | 28°47 | 27°37 | 24°D58 | 23°48 | 29° 7 | 6°34 | S 21 |
| M22 | 14 3 42 | 2°47'40 | 16°31 | 8°39 | 7°35 | 16°45 | 18°33 | 25°35 | 2°16 | 28°48 | 27°36 | 24°59 | 23°45 | 29°14 | 6°36 | M22 |
| T 23 | 14 7 38 | 3°46'42 | 0♍40 | 10° 8 | 8°49 | 17°30 | 18°41 | 25°39 | 2°15 | 28°50 | 27°35 | 25° 0 | 23°42 | 29°20 | 6°37 | T 23 |
| W24 | 14 11 35 | 4°45'42 | 15° 9 | 11°39 | 10° 3 | 18°14 | 18°49 | 25°43 | 2°14 | 28°51 | 27°35 | 25° 1 | 23°39 | 29°27 | 6°39 | W24 |
| T 25 | 14 15 31 | 5°44'40 | 29°54 | 13°11 | 11°18 | 18°59 | 18°57 | 25°47 | 2°13 | 28°52 | 27°34 | 25°R 1 | 23°36 | 29°33 | 6°40 | T 25 |
| F 26 | 14 19 28 | 6°43'36 | 14♎49 | 14°44 | 12°32 | 19°44 | 19° 4 | 25°51 | 2°12 | 28°53 | 27°33 | 25° 0 | 23°33 | 29°40 | 6°42 | F 26 |
| S 27 | 14 23 24 | 7°42'29 | 29°48 | 16°19 | 13°46 | 20°28 | 19°12 | 25°55 | 2°11 | 28°54 | 27°32 | 24°56 | 23°29 | 29°47 | 6°43 | S 27 |
| S 28 | 14 27 21 | 8°41'21 | 14♏42 | 17°56 | 15° 1 | 21°13 | 19°19 | 25°58 | 2°10 | 28°55 | 27°31 | 24°51 | 23°26 | 29°53 | 6°44 | S 28 |
| M29 | 14 31 18 | 9°40'11 | 29°23 | 19°34 | 16°15 | 21°57 | 19°26 | 26° 2 | 2° 9 | 28°56 | 27°30 | 24°44 | 23°23 | 0♈ 0 | 6°45 | M29 |
| T 30 | 14 35 14 | 10♉38'59 | 13♐42 | 21♈14 | 17♉29 | 22♉41 | 19♒33 | 26♒ 5 | 2♋ 8 | 28♒57 | 27♐29 | 24♓37 | 23♓20 | 0♈ 7 | 6♒46 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 4n43 | 22s13 | 4s22 | 5s54 | 0s15 | 3n14 | 1s23 | 11n29 | 0s15 | 16s27 | 0s18 | 14s 8 | 0s41 | 23s26 | 0s 8 | 12s 7 | 0s 7 | 12s31 | 10n46 | 1s46 | 2s 2 | 1s 3 | 11s56 | 7n 1 |
| T 2 | 5 6 | 26 0 | 4 57 | 5 50 | 0 27 | 3 43 | 1 23 | 11 46 | 0 15 | 16 24 | 0 18 | 14 6 | 0 41 | 23 26 | 0 8 | 12 7 | 0 7 | 12 31 | 10 47 | 1 47 | 2 3 | 1 0 | 11 54 | 7 1 |
| W 3 | 5 29 | 28 7 | 5 14 | 5 44 | 0 38 | 4 13 | 1 22 | 12 2 | 0 14 | 16 22 | 0 18 | 14 5 | 0 41 | 23 26 | 0 8 | 12 6 | 0 7 | 12 31 | 10 47 | 1 48 | 2 4 | 0 57 | 11 53 | 7 2 |
| T 4 | 5 52 | 28 31 | 5 14 | 5 37 | 0 49 | 4 42 | 1 21 | 12 18 | 0 13 | 16 19 | 0 19 | 14 3 | 0 41 | 23 26 | 0 8 | 12 6 | 0 7 | 12 31 | 10 47 | 1 48 | 2 6 | 0 53 | 11 52 | 7 2 |
| F 5 | 6 15 | 27 19 | 4 57 | 5 27 | 0 59 | 5 12 | 1 20 | 12 34 | 0 13 | 16 16 | 0 19 | 14 1 | 0 42 | 23 26 | 0 8 | 12 5 | 0 7 | 12 30 | 10 47 | 1 48 | 2 7 | 0 50 | 11 51 | 7 3 |
| S 6 | 6 38 | 24 46 | 4 26 | 5 16 | 1 9 | 5 41 | 1 19 | 12 50 | 0 12 | 16 13 | 0 19 | 14 0 | 0 42 | 23 26 | 0 8 | 12 5 | 0 7 | 12 30 | 10 48 | 1 48 | 2 8 | 0 46 | 11 50 | 7 3 |
| S 7 | 7 1 | 21 9 | 3 44 | 5 3 | 1 18 | 6 10 | 1 18 | 13 6 | 0 11 | 16 10 | 0 19 | 13 58 | 0 42 | 23 26 | 0 8 | 12 4 | 0 7 | 12 30 | 10 48 | 1 48 | 2 9 | 0 43 | 11 48 | 7 4 |
| M 8 | 7 23 | 16 42 | 2 53 | 4 48 | 1 27 | 6 39 | 1 17 | 13 21 | 0 11 | 16 7 | 0 19 | 13 57 | 0 42 | 23 26 | 0 8 | 12 3 | 0 7 | 12 30 | 10 48 | 1 47 | 2 11 | 0 39 | 11 47 | 7 4 |
| T 9 | 7 46 | 11 41 | 1 55 | 4 32 | 1 35 | 7 8 | 1 16 | 13 37 | 0 10 | 16 5 | 0 19 | 13 55 | 0 42 | 23 26 | 0 8 | 12 3 | 0 7 | 12 29 | 10 48 | 1 46 | 2 12 | 0 36 | 11 46 | 7 5 |
| W10 | 8 8 | 6 17 | 0 52 | 4 14 | 1 43 | 7 37 | 1 15 | 13 52 | 0 9 | 16 2 | 0 19 | 13 53 | 0 42 | 23 26 | 0 8 | 12 2 | 0 7 | 12 29 | 10 49 | 1 46 | 2 13 | 0 33 | 11 45 | 7 6 |
| T 11 | 8 30 | 0 41 | 0n12 | 3 55 | 1 50 | 8 5 | 1 14 | 14 8 | 0 9 | 15 59 | 0 20 | 13 52 | 0 42 | 23 26 | 0 8 | 12 2 | 0 7 | 12 29 | 10 49 | 1 46 | 2 14 | 0 29 | 11 44 | 7 6 |
| F 12 | 8 52 | 4n57 | 1 17 | 3 34 | 1 56 | 8 34 | 1 13 | 14 23 | 0 8 | 15 56 | 0 20 | 13 50 | 0 42 | 23 26 | 0 8 | 12 1 | 0 7 | 12 29 | 10 49 | 1 46 | 2 16 | 0 26 | 11 43 | 7 7 |
| S 13 | 9 14 | 10 27 | 2 18 | 3 12 | 2 2 | 9 2 | 1 11 | 14 37 | 0 7 | 15 54 | 0 20 | 13 49 | 0 43 | 23 26 | 0 9 | 12 1 | 0 7 | 12 28 | 10 49 | 1 47 | 2 17 | 0 22 | 11 42 | 7 7 |
| S 14 | 9 36 | 15 38 | 3 13 | 2 48 | 2 8 | 9 30 | 1 10 | 14 52 | 0 6 | 15 51 | 0 20 | 13 48 | 0 43 | 23 26 | 0 9 | 12 0 | 0 7 | 12 28 | 10 50 | 1 49 | 2 18 | 0 19 | 11 41 | 7 8 |
| M15 | 9 57 | 20 15 | 4 0 | 2 23 | 2 13 | 9 57 | 1 8 | 15 7 | 0 6 | 15 49 | 0 20 | 13 46 | 0 43 | 23 26 | 0 9 | 12 0 | 0 7 | 12 28 | 10 50 | 1 50 | 2 19 | 0 15 | 11 40 | 7 8 |
| T 16 | 10 18 | 24 5 | 4 37 | 1 57 | 2 17 | 10 25 | 1 7 | 15 21 | 0 5 | 15 46 | 0 20 | 13 45 | 0 43 | 23 26 | 0 9 | 11 59 | 0 7 | 12 28 | 10 50 | 1 53 | 2 21 | 0 12 | 11 38 | 7 9 |
| W17 | 10 40 | 26 51 | 5 2 | 1 30 | 2 21 | 10 52 | 1 5 | 15 35 | 0 4 | 15 43 | 0 21 | 13 43 | 0 43 | 23 26 | 0 9 | 11 59 | 0 7 | 12 27 | 10 50 | 1 55 | 2 22 | 0 8 | 11 37 | 7 9 |
| T 18 | 11 1 | 28 19 | 5 12 | 1 1 | 2 25 | 11 19 | 1 4 | 15 50 | 0 4 | 15 41 | 0 21 | 13 42 | 0 43 | 23 26 | 0 9 | 11 58 | 0 7 | 12 27 | 10 51 | 1 57 | 2 23 | 0 5 | 11 36 | 7 10 |
| F 19 | 11 21 | 28 17 | 5 6 | 0 32 | 2 28 | 11 46 | 1 2 | 16 3 | 0 3 | 15 39 | 0 21 | 13 41 | 0 43 | 23 26 | 0 9 | 11 58 | 0 7 | 12 27 | 10 51 | 1 58 | 2 24 | 0 2 | 11 35 | 7 11 |
| S 20 | 11 42 | 26 39 | 4 45 | 0 1 | 2 30 | 12 12 | 1 1 | 16 17 | 0 2 | 15 36 | 0 21 | 13 39 | 0 44 | 23 26 | 0 9 | 11 58 | 0 7 | 12 27 | 10 51 | 1 59 | 2 26 | 0n 2 | 11 34 | 7 11 |
| S 21 | 12 2 | 23 28 | 4 7 | 0n31 | 2 32 | 12 38 | 0 59 | 16 31 | 0 2 | 15 34 | 0 21 | 13 38 | 0 44 | 23 26 | 0 9 | 11 57 | 0 7 | 12 26 | 10 51 | 1 59 | 2 27 | 0 5 | 11 33 | 7 12 |
| M22 | 12 23 | 18 54 | 3 14 | 1 3 | 2 34 | 13 4 | 0 57 | 16 44 | 0 1 | 15 31 | 0 21 | 13 37 | 0 44 | 23 26 | 0 9 | 11 57 | 0 7 | 12 26 | 10 51 | 1 59 | 2 28 | 0 9 | 11 32 | 7 12 |
| T 23 | 12 43 | 13 11 | 2 9 | 1 37 | 2 35 | 13 29 | 0 55 | 16 57 | 0 0 | 15 29 | 0 21 | 13 36 | 0 44 | 23 26 | 0 9 | 11 56 | 0 8 | 12 26 | 10 52 | 1 59 | 2 29 | 0 12 | 11 32 | 7 13 |
| W24 | 13 2 | 6 39 | 0 53 | 2 12 | 2 35 | 13 55 | 0 53 | 17 11 | 0n 0 | 15 27 | 0 22 | 13 34 | 0 44 | 23 26 | 0 9 | 11 56 | 0 8 | 12 26 | 10 52 | 1 58 | 2 31 | 0 16 | 11 31 | 7 13 |
| T 25 | 13 22 | 0s22 | 0s26 | 2 47 | 2 35 | 14 19 | 0 52 | 17 23 | 0 1 | 15 25 | 0 22 | 13 33 | 0 44 | 23 26 | 0 9 | 11 55 | 0 8 | 12 26 | 10 52 | 1 58 | 2 32 | 0 19 | 11 30 | 7 14 |
| F 26 | 13 41 | 7 26 | 1 45 | 3 24 | 2 35 | 14 44 | 0 50 | 17 36 | 0 2 | 15 22 | 0 22 | 13 32 | 0 44 | 23 26 | 0 9 | 11 55 | 0 8 | 12 25 | 10 52 | 1 59 | 2 33 | 0 22 | 11 29 | 7 15 |
| S 27 | 14 0 | 14 7 | 2 57 | 4 1 | 2 34 | 15 8 | 0 48 | 17 49 | 0 2 | 15 20 | 0 22 | 13 31 | 0 45 | 23 26 | 0 9 | 11 55 | 0 8 | 12 25 | 10 52 | 2 0 | 2 34 | 0 26 | 11 28 | 7 15 |
| S 28 | 14 19 | 19 56 | 3 57 | 4 39 | 2 32 | 15 32 | 0 46 | 18 1 | 0 3 | 15 18 | 0 22 | 13 30 | 0 45 | 23 26 | 0 9 | 11 54 | 0 8 | 12 25 | 10 53 | 2 2 | 2 36 | 0 29 | 11 27 | 7 16 |
| M29 | 14 38 | 24 27 | 4 39 | 5 18 | 2 30 | 15 55 | 0 44 | 18 13 | 0 4 | 15 16 | 0 22 | 13 29 | 0 45 | 23 27 | 0 9 | 11 54 | 0 8 | 12 25 | 10 53 | 2 5 | 2 37 | 0 33 | 11 26 | 7 16 |
| T 30 | 14n56 | 27s20 | 5s 3 | 5n58 | 2s27 | 16n18 | 0s42 | 18n25 | 0n 4 | 15s14 | 0s23 | 13s28 | 0s45 | 23s27 | 0s 9 | 11s54 | 0s 8 | 12s24 | 10n53 | 2s 8 | 2s38 | 0n36 | 11s25 | 7n17 |

Julian Day Number = 2814321.5, Delta T = 54m08s
Ecliptic obliquity = 23°18'48, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°38'40, Lahiri = 37°45'41


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# ASTRODIENST EPHEMERIS for the year 2993
# geocentric

## MAY 2993 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 39 11 | 11♉37'45 | 27♐36 | 22♈56 | 18♉44 | 23♉26 | 19♒40 | 26♒ 9 | 2°R 7 | 28♒58 | 27°R28 | 24°R30 | 23♓17 | 0♈13 | 6♒47 | W 1 |
| T 2 | 14 43 7 | 12°36'30 | 11♑ 2 | 24°39 | 19°58 | 24°10 | 19°47 | 26°12 | 2♑ 5 | 28°59 | 27♐27 | 24♓24 | 23°14 | 0°20 | 6°48 | T 2 |
| F 3 | 14 47 4 | 13°35'13 | 24° 1 | 26°24 | 21°12 | 24°54 | 19°53 | 26°15 | 2° 4 | 29° 0 | 27°26 | 24°21 | 23°10 | 0°27 | 6°49 | F 3 |
| S 4 | 14 51 0 | 14°33'54 | 6♒37 | 28°10 | 22°26 | 25°39 | 20° 0 | 26°18 | 2° 3 | 29° 1 | 27°25 | 24°18 | 23° 7 | 0°33 | 6°50 | S 4 |
| S 5 | 14 54 57 | 15°32'33 | 18°52 | 29°58 | 23°40 | 26°23 | 20° 6 | 26°21 | 2° 1 | 29° 2 | 27°24 | 24°D18 | 23° 4 | 0°40 | 6°50 | S 5 |
| M 6 | 14 58 53 | 16°31'11 | 0♓52 | 1♉48 | 24°54 | 27° 7 | 20°12 | 26°24 | 2° 0 | 29° 3 | 27°23 | 24°19 | 23° 1 | 0°47 | 6°51 | M 6 |
| T 7 | 15 2 50 | 17°29'47 | 12°43 | 3°39 | 26° 9 | 27°51 | 20°18 | 26°27 | 1°58 | 29° 4 | 27°22 | 24°20 | 22°58 | 0°53 | 6°52 | T 7 |
| W 8 | 15 6 47 | 18°28'22 | 24°30 | 5°32 | 27°23 | 28°35 | 20°24 | 26°30 | 1°57 | 29° 4 | 27°21 | 24°R21 | 22°54 | 1° 0 | 6°52 | W 8 |
| T 9 | 15 10 43 | 19°26'55 | 6♈17 | 7°26 | 28°37 | 29°19 | 20°29 | 26°33 | 1°55 | 29° 5 | 27°20 | 24°20 | 22°51 | 1° 7 | 6°52 | T 9 |
| F 10 | 15 14 40 | 20°25'26 | 18° 8 | 9°22 | 29°51 | 0♊ 3 | 20°35 | 26°35 | 1°54 | 29° 6 | 27°18 | 24°17 | 22°48 | 1°13 | 6°53 | F 10 |
| S 11 | 15 18 36 | 21°23'55 | 0♉ 8 | 11°20 | 1♊ 5 | 0°47 | 20°40 | 26°38 | 1°52 | 29° 7 | 27°17 | 24°12 | 22°45 | 1°20 | 6°53 | S 11 |
| S 12 | 15 22 33 | 22°22'23 | 12°17 | 13°19 | 2°19 | 1°30 | 20°45 | 26°40 | 1°50 | 29° 7 | 27°16 | 24° 4 | 22°42 | 1°26 | 6°53 | S 12 |
| M13 | 15 26 29 | 23°20'49 | 24°39 | 15°20 | 3°33 | 2°14 | 20°50 | 26°42 | 1°48 | 29° 8 | 27°15 | 23°54 | 22°39 | 1°33 | 6°R53 | M13 |
| T 14 | 15 30 26 | 24°19'14 | 7♊13 | 17°23 | 4°47 | 2°58 | 20°55 | 26°45 | 1°47 | 29° 8 | 27°13 | 23°43 | 22°35 | 1°40 | 6°53 | T 14 |
| W15 | 15 34 22 | 25°17'36 | 19°59 | 19°26 | 6° 1 | 3°41 | 20°59 | 26°47 | 1°45 | 29° 9 | 27°12 | 23°32 | 22°32 | 1°46 | 6°53 | W15 |
| T 16 | 15 38 19 | 26°15'57 | 2♋59 | 21°32 | 7°15 | 4°25 | 21° 4 | 26°49 | 1°43 | 29° 9 | 27°11 | 23°22 | 22°29 | 1°53 | 6°53 | T 16 |
| F 17 | 15 42 16 | 27°14'16 | 16°10 | 23°38 | 8°29 | 5° 9 | 21° 8 | 26°51 | 1°41 | 29°10 | 27°10 | 23°14 | 22°26 | 2° 0 | 6°52 | F 17 |
| S 18 | 15 46 12 | 28°12'33 | 29°33 | 25°46 | 9°43 | 5°52 | 21°12 | 26°53 | 1°39 | 29°10 | 27° 8 | 23° 8 | 22°23 | 2° 6 | 6°52 | S 18 |
| S 19 | 15 50 9 | 29°10'48 | 13♌ 9 | 27°54 | 10°57 | 6°36 | 21°16 | 26°54 | 1°37 | 29°11 | 27° 7 | 23° 5 | 22°20 | 2°13 | 6°52 | S 19 |
| M20 | 15 54 5 | 0♊ 9'01 | 26°57 | 0♊ 4 | 12°10 | 7°19 | 21°20 | 26°56 | 1°35 | 29°11 | 27° 5 | 23°D 4 | 22°16 | 2°20 | 6°51 | M20 |
| T 21 | 15 58 2 | 1° 7'11 | 10♍57 | 2°14 | 13°24 | 8° 2 | 21°23 | 26°58 | 1°33 | 29°12 | 27° 4 | 23° 4 | 22°13 | 2°26 | 6°50 | T 21 |
| W22 | 16 1 58 | 2° 5'20 | 25°10 | 4°24 | 14°38 | 8°46 | 21°27 | 26°59 | 1°31 | 29°12 | 27° 3 | 23°R 5 | 22°10 | 2°33 | 6°50 | W22 |
| T 23 | 16 5 55 | 3° 3'27 | 9♎34 | 6°34 | 15°52 | 9°29 | 21°30 | 27° 0 | 1°29 | 29°12 | 27° 1 | 23° 4 | 22° 7 | 2°40 | 6°49 | T 23 |
| F 24 | 16 9 51 | 4° 1'32 | 24° 6 | 8°44 | 17° 6 | 10°12 | 21°33 | 27° 2 | 1°27 | 29°12 | 27° 0 | 23° 1 | 22° 4 | 2°46 | 6°48 | F 24 |
| S 25 | 16 13 48 | 4°59'35 | 8♏42 | 10°54 | 18°19 | 10°55 | 21°36 | 27° 3 | 1°25 | 29°13 | 26°58 | 22°55 | 22° 0 | 2°53 | 6°47 | S 25 |
| S 26 | 16 17 45 | 5°57'37 | 23°16 | 13° 3 | 19°33 | 11°38 | 21°38 | 27° 4 | 1°23 | 29°13 | 26°57 | 22°46 | 21°57 | 2°59 | 6°46 | S 26 |
| M27 | 16 21 41 | 6°55'37 | 7♐40 | 15°11 | 20°47 | 12°21 | 21°41 | 27° 5 | 1°21 | 29°13 | 26°55 | 22°36 | 21°54 | 3° 6 | 6°45 | M27 |
| T 28 | 16 25 38 | 7°53'35 | 21°49 | 17°18 | 22° 1 | 13° 4 | 21°43 | 27° 6 | 1°19 | 29°13 | 26°54 | 22°25 | 21°51 | 3°13 | 6°44 | T 28 |
| W29 | 16 29 34 | 8°51'32 | 5♑37 | 19°23 | 23°14 | 13°47 | 21°45 | 27° 7 | 1°16 | 29°13 | 26°52 | 22°14 | 21°48 | 3°19 | 6°43 | W29 |
| T 30 | 16 33 31 | 9°49'28 | 19° 1 | 21°26 | 24°28 | 14°30 | 21°47 | 27° 7 | 1°14 | 29°13 | 26°51 | 22° 4 | 21°45 | 3°26 | 6°42 | T 30 |
| F 31 | 16 37 27 | 10♊47'22 | 2♒ 1 | 23♊27 | 25♊41 | 15♊13 | 21♒49 | 27♒ 8 | 1♑12 | 29°R13 | 26♐49 | 21♓57 | 21♓41 | 3♈33 | 6♒40 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15n15 | 28s26 | 5s 8 | 6n38 | 2s24 | 16n40 | 0s39 | 18n37 | 0n 5 | 15s12 | 0s23 | 13s27 | 0s45 | 23s27 | 0s 9 | 11s53 | 0s 8 | 12s24 | 10n53 | 2s10 | 2s39 | 0n40 | 11s25 | 7n17 |
| T 2 | 15 32 | 27 46 | 4 56 | 7 19 | 2 21 | 17 2 | 0 37 | 18 48 | 0 6 | 15 10 | 0 23 | 13 26 | 0 45 | 23 27 | 0 9 | 11 53 | 0 8 | 12 24 | 10 53 | 2 13 | 2 41 | 0 43 | 11 24 | 7 18 |
| F 3 | 15 50 | 25 36 | 4 28 | 8 0 | 2 17 | 17 24 | 0 35 | 19 0 | 0 6 | 15 8 | 0 23 | 13 25 | 0 45 | 23 27 | 0 9 | 11 53 | 0 8 | 12 24 | 10 54 | 2 14 | 2 42 | 0 47 | 11 23 | 7 19 |
| S 4 | 16 7 | 22 13 | 3 49 | 8 42 | 2 12 | 17 45 | 0 33 | 19 11 | 0 7 | 15 6 | 0 23 | 13 24 | 0 46 | 23 27 | 0 9 | 11 52 | 0 8 | 12 24 | 10 54 | 2 15 | 2 43 | 0 50 | 11 22 | 7 19 |
| S 5 | 16 24 | 17 56 | 2 59 | 9 25 | 2 7 | 18 6 | 0 31 | 19 22 | 0 8 | 15 5 | 0 24 | 13 23 | 0 46 | 23 27 | 0 9 | 11 52 | 0 8 | 12 24 | 10 54 | 2 15 | 2 44 | 0 53 | 11 22 | 7 20 |
| M 6 | 16 41 | 13 2 | 2 3 | 10 8 | 2 2 | 18 26 | 0 28 | 19 33 | 0 8 | 15 3 | 0 24 | 13 22 | 0 46 | 23 27 | 0 9 | 11 52 | 0 8 | 12 23 | 10 54 | 2 15 | 2 46 | 0 57 | 11 21 | 7 20 |
| T 7 | 16 58 | 7 43 | 1 2 | 10 51 | 1 55 | 18 46 | 0 26 | 19 43 | 0 9 | 15 1 | 0 24 | 13 21 | 0 46 | 23 27 | 0 9 | 11 52 | 0 8 | 12 23 | 10 54 | 2 14 | 2 47 | 1 0 | 11 20 | 7 21 |
| W 8 | 17 14 | 2 10 | 0n 1 | 11 35 | 1 49 | 19 5 | 0 24 | 19 54 | 0 10 | 15 0 | 0 24 | 13 20 | 0 46 | 23 27 | 0 9 | 11 51 | 0 8 | 12 23 | 10 54 | 2 14 | 2 48 | 1 4 | 11 20 | 7 22 |
| T 9 | 17 30 | 3n28 | 1 4 | 12 19 | 1 42 | 19 24 | 0 21 | 20 4 | 0 10 | 14 58 | 0 24 | 13 20 | 0 46 | 23 27 | 0 9 | 11 51 | 0 8 | 12 23 | 10 54 | 2 14 | 2 49 | 1 7 | 11 19 | 7 22 |
| F 10 | 17 46 | 9 0 | 2 4 | 13 3 | 1 35 | 19 42 | 0 19 | 20 14 | 0 11 | 14 56 | 0 24 | 13 19 | 0 46 | 23 27 | 0 9 | 11 51 | 0 8 | 12 23 | 10 55 | 2 16 | 2 51 | 1 11 | 11 18 | 7 23 |
| S 11 | 18 1 | 14 16 | 3 0 | 13 46 | 1 27 | 20 0 | 0 17 | 20 24 | 0 11 | 14 55 | 0 25 | 13 18 | 0 47 | 23 27 | 0 9 | 11 51 | 0 8 | 12 23 | 10 55 | 2 18 | 2 52 | 1 14 | 11 18 | 7 23 |
| S 12 | 18 16 | 19 3 | 3 48 | 14 30 | 1 18 | 20 17 | 0 14 | 20 33 | 0 12 | 14 54 | 0 25 | 13 18 | 0 47 | 23 27 | 0 9 | 11 50 | 0 8 | 12 22 | 10 55 | 2 21 | 2 53 | 1 17 | 11 17 | 7 24 |
| M13 | 18 31 | 23 7 | 4 26 | 15 14 | 1 10 | 20 33 | 0 12 | 20 42 | 0 13 | 14 52 | 0 25 | 13 17 | 0 47 | 23 27 | 0 9 | 11 50 | 0 8 | 12 22 | 10 55 | 2 25 | 2 54 | 1 21 | 11 16 | 7 24 |
| T 14 | 18 45 | 26 11 | 4 51 | 15 57 | 1 1 | 20 49 | 0 9 | 20 52 | 0 13 | 14 51 | 0 25 | 13 16 | 0 47 | 23 27 | 0 9 | 11 50 | 0 8 | 12 22 | 10 55 | 2 29 | 2 56 | 1 24 | 11 16 | 7 25 |
| W15 | 18 59 | 27 58 | 5 3 | 16 40 | 0 51 | 21 5 | 0 7 | 21 0 | 0 14 | 14 50 | 0 25 | 13 16 | 0 47 | 23 27 | 0 9 | 11 50 | 0 8 | 12 22 | 10 55 | 2 33 | 2 57 | 1 28 | 11 15 | 7 26 |
| T 16 | 19 13 | 28 16 | 4 59 | 17 23 | 0 42 | 21 20 | 0 5 | 21 9 | 0 15 | 14 48 | 0 26 | 13 15 | 0 47 | 23 27 | 0 9 | 11 50 | 0 8 | 12 22 | 10 55 | 2 37 | 2 58 | 1 31 | 11 15 | 7 26 |
| F 17 | 19 26 | 26 58 | 4 40 | 18 4 | 0 32 | 21 34 | 0 2 | 21 18 | 0 15 | 14 47 | 0 26 | 13 15 | 0 47 | 23 27 | 0 9 | 11 50 | 0 8 | 12 22 | 10 55 | 2 40 | 2 59 | 1 35 | 11 14 | 7 27 |
| S 18 | 19 39 | 24 8 | 4 5 | 18 45 | 0 21 | 21 48 | 0n 0 | 21 26 | 0 16 | 14 46 | 0 26 | 13 14 | 0 48 | 23 27 | 0 9 | 11 49 | 0 8 | 12 22 | 10 56 | 2 43 | 3 1 | 1 38 | 11 14 | 7 27 |
| S 19 | 19 52 | 19 55 | 3 16 | 19 24 | 0 11 | 22 1 | 0 3 | 21 34 | 0 16 | 14 45 | 0 26 | 13 14 | 0 48 | 23 27 | 0 9 | 11 49 | 0 8 | 12 21 | 10 56 | 2 44 | 3 2 | 1 41 | 11 13 | 7 28 |
| M20 | 20 5 | 14 34 | 2 14 | 20 3 | 0 1 | 22 13 | 0 5 | 21 42 | 0 17 | 14 44 | 0 26 | 13 13 | 0 48 | 23 27 | 0 9 | 11 49 | 0 8 | 12 21 | 10 56 | 2 44 | 3 3 | 1 45 | 11 13 | 7 28 |
| T 21 | 20 17 | 8 25 | 1 4 | 20 40 | 0n10 | 22 25 | 0 8 | 21 49 | 0 18 | 14 43 | 0 26 | 13 13 | 0 48 | 23 27 | 0 9 | 11 49 | 0 8 | 12 21 | 10 56 | 2 44 | 3 4 | 1 48 | 11 13 | 7 29 |
| W22 | 20 28 | 1 44 | 0s11 | 21 15 | 0 20 | 22 36 | 0 10 | 21 57 | 0 18 | 14 42 | 0 27 | 13 13 | 0 48 | 23 27 | 0 9 | 11 49 | 0 8 | 12 21 | 10 56 | 2 44 | 3 6 | 1 52 | 11 12 | 7 30 |
| T 23 | 20 40 | 5s 6 | 1 26 | 21 48 | 0 31 | 22 47 | 0 13 | 22 4 | 0 19 | 14 41 | 0 27 | 13 12 | 0 48 | 23 27 | 0 9 | 11 49 | 0 8 | 12 21 | 10 56 | 2 44 | 3 7 | 1 55 | 11 12 | 7 30 |
| F 24 | 20 50 | 11 44 | 2 37 | 22 19 | 0 41 | 22 57 | 0 15 | 22 11 | 0 20 | 14 40 | 0 27 | 13 12 | 0 49 | 23 27 | 0 9 | 11 49 | 0 8 | 12 21 | 10 56 | 2 46 | 3 8 | 1 59 | 11 12 | 7 31 |
| S 25 | 21 1 | 17 45 | 3 37 | 22 48 | 0 51 | 23 6 | 0 18 | 22 18 | 0 20 | 14 40 | 0 27 | 13 12 | 0 49 | 23 28 | 0 9 | 11 49 | 0 8 | 12 21 | 10 56 | 2 48 | 3 9 | 2 2 | 11 11 | 7 31 |
| S 26 | 21 11 | 22 44 | 4 23 | 23 15 | 1 1 | 23 14 | 0 20 | 22 24 | 0 21 | 14 39 | 0 27 | 13 11 | 0 49 | 23 28 | 0 9 | 11 49 | 0 8 | 12 21 | 10 56 | 2 51 | 3 11 | 2 5 | 11 11 | 7 32 |
| M27 | 21 21 | 26 16 | 4 51 | 23 39 | 1 10 | 23 22 | 0 23 | 22 31 | 0 21 | 14 38 | 0 28 | 13 11 | 0 49 | 23 28 | 0 9 | 11 49 | 0 8 | 12 21 | 10 56 | 2 55 | 3 12 | 2 9 | 11 11 | 7 32 |
| T 28 | 21 31 | 28 5 | 5 1 | 24 1 | 1 19 | 23 29 | 0 25 | 22 37 | 0 22 | 14 38 | 0 28 | 13 11 | 0 49 | 23 28 | 0 9 | 11 49 | 0 8 | 12 21 | 10 56 | 3 0 | 3 13 | 2 12 | 11 10 | 7 33 |
| W29 | 21 40 | 28 5 | 4 53 | 24 20 | 1 27 | 23 36 | 0 27 | 22 42 | 0 23 | 14 37 | 0 28 | 13 11 | 0 49 | 23 28 | 0 9 | 11 49 | 0 8 | 12 21 | 10 56 | 3 4 | 3 14 | 2 16 | 11 10 | 7 33 |
| T 30 | 21 48 | 26 25 | 4 29 | 24 37 | 1 35 | 23 42 | 0 30 | 22 48 | 0 23 | 14 37 | 0 28 | 13 11 | 0 50 | 23 28 | 0 9 | 11 49 | 0 8 | 12 20 | 10 56 | 3 8 | 3 15 | 2 19 | 11 10 | 7 34 |
| F 31 | 21n57 | 23s22 | 3s52 | 24n51 | 1n42 | 23n47 | 0n32 | 22n53 | 0n24 | 14s37 | 0s28 | 13s11 | 0s50 | 23s28 | 0s 9 | 11s49 | 0s 8 | 12s20 | 10n56 | 3s11 | 3s17 | 2n23 | 11s10 | 7n34 |

Julian Day Number = 2814351.5, Delta T = 54m09s
Ecliptic obliquity = 23°18'47, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°38'45, Lahiri = 37°45'45


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# ASTRODIENST EPHEMERIS for the year 2993
# geocentric

## JUNE 2993 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 41 24 | 11♊45'15 | 14♒37 | 25♊26 | 26♊55 | 15♊56 | 21♒50 | 27♒ 8 | 1°R10 | 29°R13 | 26°R48 | 21°R52 | 21♓38 | 3♈39 | 6°R39 | S 1 |
| S 2 | 16 45 21 | 12°43'07 | 26°54 | 27°22 | 28° 9 | 16°38 | 21°52 | 27° 9 | 1♉ 7 | 29♒13 | 26♐46 | 21♓49 | 21°35 | 3°46 | 6♒37 | S 2 |
| M 3 | 16 49 17 | 13°40'58 | 8♓57 | 29°16 | 29°22 | 17°21 | 21°53 | 27° 9 | 1° 5 | 29°13 | 26°45 | 21°48 | 21°32 | 3°53 | 6°36 | M 3 |
| T 4 | 16 53 14 | 14°38'47 | 20°49 | 1♋ 7 | 0♋36 | 18° 4 | 21°54 | 27° 9 | 1° 3 | 29°13 | 26°43 | 21°48 | 21°29 | 3°59 | 6°34 | T 4 |
| W 5 | 16 57 10 | 15°36'36 | 2♈37 | 2°55 | 1°49 | 18°46 | 21°55 | 27° 9 | 1° 0 | 29°13 | 26°41 | 21°48 | 21°26 | 4° 6 | 6°33 | W 5 |
| T 6 | 17 1 7 | 16°34'23 | 14°26 | 4°40 | 3° 3 | 19°29 | 21°55 | 27°R 9 | 0°58 | 29°13 | 26°40 | 21°46 | 21°22 | 4°13 | 6°31 | T 6 |
| F 7 | 17 5 3 | 17°32'09 | 26°21 | 6°23 | 4°16 | 20°11 | 21°56 | 27° 9 | 0°56 | 29°12 | 26°38 | 21°43 | 21°19 | 4°19 | 6°29 | F 7 |
| S 8 | 17 9 0 | 18°29'54 | 8♉27 | 8° 2 | 5°30 | 20°54 | 21°56 | 27° 9 | 0°53 | 29°12 | 26°37 | 21°36 | 21°16 | 4°26 | 6°27 | S 8 |
| S 9 | 17 12 56 | 19°27'38 | 20°46 | 9°38 | 6°43 | 21°36 | 21°R56 | 27° 9 | 0°51 | 29°12 | 26°35 | 21°27 | 21°13 | 4°33 | 6°25 | S 9 |
| M10 | 17 16 53 | 20°25'21 | 3♊21 | 11°11 | 7°57 | 22°18 | 21°56 | 27° 8 | 0°48 | 29°12 | 26°33 | 21°16 | 21°10 | 4°39 | 6°23 | M10 |
| T 11 | 17 20 50 | 21°23'03 | 16°12 | 12°41 | 9°10 | 23° 1 | 21°55 | 27° 8 | 0°46 | 29°11 | 26°32 | 21° 3 | 21° 6 | 4°46 | 6°21 | T 11 |
| W12 | 17 24 46 | 22°20'44 | 29°19 | 14° 7 | 10°24 | 23°43 | 21°55 | 27° 7 | 0°44 | 29°11 | 26°30 | 20°51 | 21° 3 | 4°53 | 6°19 | W12 |
| T 13 | 17 28 43 | 23°18'24 | 12♋41 | 15°31 | 11°37 | 24°25 | 21°54 | 27° 7 | 0°41 | 29°10 | 26°29 | 20°39 | 21° 0 | 4°59 | 6°17 | T 13 |
| F 14 | 17 32 39 | 24°16'02 | 26°15 | 16°51 | 12°50 | 25° 7 | 21°53 | 27° 6 | 0°39 | 29°10 | 26°27 | 20°29 | 20°57 | 5° 6 | 6°14 | F 14 |
| S 15 | 17 36 36 | 25°13'39 | 9♌59 | 18° 7 | 14° 4 | 25°49 | 21°52 | 27° 5 | 0°36 | 29°10 | 26°25 | 20°22 | 20°54 | 5°12 | 6°12 | S 15 |
| S 16 | 17 40 32 | 26°11'15 | 23°50 | 19°20 | 15°17 | 26°31 | 21°51 | 27° 4 | 0°34 | 29° 9 | 26°24 | 20°18 | 20°51 | 5°19 | 6° 9 | S 16 |
| M17 | 17 44 29 | 27° 8'49 | 7♍48 | 20°30 | 16°30 | 27°13 | 21°49 | 27° 3 | 0°31 | 29° 9 | 26°22 | 20°16 | 20°47 | 5°26 | 6° 7 | M17 |
| T 18 | 17 48 25 | 28° 6'22 | 21°50 | 21°36 | 17°43 | 27°55 | 21°47 | 27° 2 | 0°29 | 29° 8 | 26°21 | 20°16 | 20°44 | 5°32 | 6° 4 | T 18 |
| W19 | 17 52 22 | 29° 3'54 | 5♎57 | 22°39 | 18°57 | 28°37 | 21°46 | 27° 1 | 0°26 | 29° 7 | 26°19 | 20°16 | 20°41 | 5°39 | 6° 2 | W19 |
| T 20 | 17 56 19 | 0♋ 1'24 | 20° 8 | 23°38 | 20°10 | 29°19 | 21°44 | 26°59 | 0°24 | 29° 7 | 26°17 | 20°15 | 20°38 | 5°46 | 5°59 | T 20 |
| F 21 | 18 0 15 | 0°58'53 | 4♏20 | 24°33 | 21°23 | 0♋ 1 | 21°41 | 26°58 | 0°21 | 29° 6 | 26°16 | 20°11 | 20°35 | 5°52 | 5°57 | F 21 |
| S 22 | 18 4 12 | 1°56'21 | 18°32 | 25°25 | 22°36 | 0°43 | 21°39 | 26°56 | 0°19 | 29° 6 | 26°14 | 20° 6 | 20°32 | 5°59 | 5°54 | S 22 |
| S 23 | 18 8 8 | 2°53'48 | 2♐40 | 26°12 | 23°49 | 1°24 | 21°36 | 26°55 | 0°16 | 29° 5 | 26°12 | 19°57 | 20°28 | 6° 6 | 5°51 | S 23 |
| M24 | 18 12 5 | 3°51'14 | 16°39 | 26°56 | 25° 2 | 2° 6 | 21°33 | 26°53 | 0°14 | 29° 4 | 26°11 | 19°47 | 20°25 | 6°12 | 5°48 | M24 |
| T 25 | 18 16 1 | 4°48'39 | 0♑26 | 27°35 | 26°16 | 2°48 | 21°30 | 26°51 | 0°12 | 29° 3 | 26° 9 | 19°35 | 20°22 | 6°19 | 5°45 | T 25 |
| W26 | 18 19 58 | 5°46'03 | 13°57 | 28°11 | 27°29 | 3°29 | 21°27 | 26°49 | 0° 9 | 29° 3 | 26° 8 | 19°24 | 20°19 | 6°26 | 5°42 | W26 |
| T 27 | 18 23 54 | 6°43'27 | 27° 9 | 28°42 | 28°42 | 4°11 | 21°24 | 26°47 | 0° 7 | 29° 2 | 26° 6 | 19°14 | 20°16 | 6°32 | 5°39 | T 27 |
| F 28 | 18 27 51 | 7°40'50 | 10♒ 0 | 29° 8 | 29°55 | 4°52 | 21°20 | 26°45 | 0° 4 | 29° 1 | 26° 5 | 19° 6 | 20°12 | 6°39 | 5°36 | F 28 |
| S 29 | 18 31 48 | 8°38'12 | 22°32 | 29°31 | 1♌ 8 | 5°34 | 21°17 | 26°43 | 0° 2 | 29° 0 | 26° 3 | 19° 1 | 20° 9 | 6°46 | 5°33 | S 29 |
| S 30 | 18 35 44 | 9♋35'33 | 4♓48 | 29♋49 | 2♌21 | 6♋15 | 21♒13 | 26♒41 | 29♐59 | 28♒59 | 26♐ 1 | 18♓58 | 20♓ 6 | 6♈52 | 5♒30 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n 5 | 19s17 | 3s 4 | 25n 3 | 1n49 | 23n51 | 0n35 | 22n59 | 0n24 | 14s36 | 0s29 | 13s11 | 0s50 | 23s28 | 0s 9 | 11s49 | 0s 8 | 12s20 | 10n56 | 3s13 | 3s18 | 2n26 | 11s10 | 7n35 |
| S 2 | 22 12 | 14 29 | 2 8 | 25 12 | 1 54 | 23 55 | 0 37 | 23 4 | 0 25 | 14 36 | 0 29 | 13 11 | 0 50 | 23 28 | 0 9 | 11 49 | 0 8 | 12 20 | 10 56 | 3 14 | 3 19 | 2 29 | 11 10 | 7 35 |
| M 3 | 22 19 | 9 13 | 1 8 | 25 18 | 1 59 | 23 58 | 0 39 | 23 8 | 0 25 | 14 36 | 0 29 | 13 11 | 0 50 | 23 28 | 0 9 | 11 49 | 0 8 | 12 20 | 10 56 | 3 14 | 3 20 | 2 33 | 11 9 | 7 36 |
| T 4 | 22 26 | 3 42 | 0 5 | 25 22 | 2 4 | 24 0 | 0 42 | 23 13 | 0 26 | 14 36 | 0 29 | 13 11 | 0 50 | 23 28 | 0 9 | 11 49 | 0 8 | 12 20 | 10 56 | 3 14 | 3 22 | 2 36 | 11 9 | 7 36 |
| W 5 | 22 32 | 1n54 | 0n57 | 25 24 | 2 7 | 24 2 | 0 44 | 23 17 | 0 27 | 14 36 | 0 29 | 13 11 | 0 50 | 23 28 | 0 9 | 11 49 | 0 8 | 12 20 | 10 56 | 3 14 | 3 23 | 2 40 | 11 9 | 7 37 |
| T 6 | 22 38 | 7 27 | 1 57 | 25 23 | 2 9 | 24 3 | 0 46 | 23 21 | 0 27 | 14 36 | 0 30 | 13 11 | 0 51 | 23 28 | 0 9 | 11 49 | 0 8 | 12 20 | 10 56 | 3 15 | 3 24 | 2 43 | 11 9 | 7 37 |
| F 7 | 22 44 | 12 47 | 2 52 | 25 21 | 2 11 | 24 3 | 0 49 | 23 25 | 0 28 | 14 36 | 0 30 | 13 11 | 0 51 | 23 28 | 0 9 | 11 49 | 0 8 | 12 20 | 10 56 | 3 16 | 3 25 | 2 47 | 11 9 | 7 38 |
| S 8 | 22 49 | 17 43 | 3 40 | 25 16 | 2 12 | 24 3 | 0 51 | 23 28 | 0 28 | 14 36 | 0 30 | 13 12 | 0 51 | 23 28 | 0 9 | 11 49 | 0 8 | 12 20 | 10 56 | 3 19 | 3 27 | 2 50 | 11 9 | 7 38 |
| S 9 | 22 54 | 22 0 | 4 19 | 25 10 | 2 12 | 24 2 | 0 53 | 23 32 | 0 29 | 14 36 | 0 30 | 13 12 | 0 51 | 23 28 | 0 9 | 11 49 | 0 8 | 12 20 | 10 56 | 3 22 | 3 28 | 2 53 | 11 9 | 7 39 |
| M10 | 22 58 | 25 23 | 4 46 | 25 2 | 2 11 | 24 0 | 0 55 | 23 35 | 0 29 | 14 36 | 0 31 | 13 12 | 0 51 | 23 28 | 0 9 | 11 49 | 0 8 | 12 20 | 10 56 | 3 27 | 3 29 | 2 57 | 11 9 | 7 39 |
| T 11 | 23 2 | 27 34 | 4 59 | 24 52 | 2 10 | 23 57 | 0 57 | 23 38 | 0 30 | 14 37 | 0 31 | 13 12 | 0 51 | 23 28 | 0 9 | 11 49 | 0 8 | 12 20 | 10 56 | 3 32 | 3 30 | 3 0 | 11 9 | 7 40 |
| W12 | 23 6 | 28 16 | 4 57 | 24 41 | 2 7 | 23 54 | 0 59 | 23 40 | 0 31 | 14 37 | 0 31 | 13 13 | 0 52 | 23 28 | 0 9 | 11 50 | 0 8 | 12 20 | 10 56 | 3 37 | 3 32 | 3 4 | 11 9 | 7 40 |
| T 13 | 23 9 | 27 20 | 4 39 | 24 28 | 2 4 | 23 50 | 1 2 | 23 43 | 0 31 | 14 38 | 0 31 | 13 13 | 0 52 | 23 28 | 0 9 | 11 50 | 0 8 | 12 20 | 10 56 | 3 41 | 3 33 | 3 7 | 11 10 | 7 41 |
| F 14 | 23 11 | 24 47 | 4 4 | 24 15 | 2 0 | 23 45 | 1 4 | 23 45 | 0 32 | 14 38 | 0 31 | 13 14 | 0 52 | 23 28 | 0 9 | 11 50 | 0 8 | 12 20 | 10 56 | 3 45 | 3 34 | 3 10 | 11 10 | 7 41 |
| S 15 | 23 14 | 20 48 | 3 16 | 24 0 | 1 55 | 23 40 | 1 6 | 23 47 | 0 32 | 14 39 | 0 32 | 13 14 | 0 52 | 23 28 | 0 9 | 11 50 | 0 8 | 12 20 | 10 56 | 3 48 | 3 35 | 3 14 | 11 10 | 7 41 |
| S 16 | 23 16 | 15 38 | 2 15 | 23 44 | 1 49 | 23 34 | 1 7 | 23 49 | 0 33 | 14 39 | 0 32 | 13 15 | 0 52 | 23 28 | 0 9 | 11 50 | 0 8 | 12 20 | 10 56 | 3 49 | 3 37 | 3 17 | 11 10 | 7 42 |
| M17 | 23 17 | 9 37 | 1 5 | 23 27 | 1 43 | 23 27 | 1 9 | 23 50 | 0 33 | 14 40 | 0 32 | 13 15 | 0 52 | 23 28 | 0 9 | 11 50 | 0 8 | 12 20 | 10 56 | 3 50 | 3 38 | 3 21 | 11 10 | 7 42 |
| T 18 | 23 18 | 3 6 | 0s 8 | 23 10 | 1 36 | 23 19 | 1 11 | 23 52 | 0 34 | 14 41 | 0 32 | 13 16 | 0 53 | 23 28 | 0 9 | 11 51 | 0 8 | 12 21 | 10 55 | 3 50 | 3 39 | 3 24 | 11 10 | 7 43 |
| W19 | 23 19 | 3s37 | 1 22 | 22 52 | 1 27 | 23 11 | 1 13 | 23 53 | 0 34 | 14 41 | 0 32 | 13 16 | 0 53 | 23 28 | 0 9 | 11 51 | 0 8 | 12 21 | 10 55 | 3 50 | 3 40 | 3 27 | 11 11 | 7 43 |
| T 20 | 23 19 | 10 10 | 2 31 | 22 33 | 1 18 | 23 2 | 1 15 | 23 54 | 0 35 | 14 42 | 0 33 | 13 17 | 0 53 | 23 28 | 0 10 | 11 51 | 0 8 | 12 21 | 10 55 | 3 51 | 3 42 | 3 31 | 11 11 | 7 43 |
| F 21 | 23 19 | 16 12 | 3 31 | 22 14 | 1 9 | 22 53 | 1 17 | 23 54 | 0 35 | 14 43 | 0 33 | 13 17 | 0 53 | 23 28 | 0 10 | 11 51 | 0 8 | 12 21 | 10 55 | 3 52 | 3 43 | 3 34 | 11 11 | 7 44 |
| S 22 | 23 18 | 21 22 | 4 17 | 21 54 | 0 58 | 22 43 | 1 18 | 23 55 | 0 36 | 14 44 | 0 33 | 13 18 | 0 53 | 23 28 | 0 10 | 11 52 | 0 8 | 12 21 | 10 55 | 3 54 | 3 44 | 3 38 | 11 11 | 7 44 |
| S 23 | 23 17 | 25 17 | 4 48 | 21 34 | 0 47 | 22 32 | 1 20 | 23 55 | 0 36 | 14 45 | 0 33 | 13 19 | 0 53 | 23 28 | 0 10 | 11 52 | 0 8 | 12 21 | 10 55 | 3 58 | 3 45 | 3 41 | 11 12 | 7 44 |
| M24 | 23 15 | 27 38 | 5 1 | 21 14 | 0 35 | 22 21 | 1 21 | 23 55 | 0 37 | 14 46 | 0 33 | 13 19 | 0 53 | 23 28 | 0 10 | 11 52 | 0 8 | 12 21 | 10 55 | 4 2 | 3 47 | 3 44 | 11 12 | 7 45 |
| T 25 | 23 14 | 28 15 | 4 56 | 20 54 | 0 23 | 22 9 | 1 23 | 23 54 | 0 37 | 14 48 | 0 34 | 13 20 | 0 54 | 23 28 | 0 10 | 11 52 | 0 8 | 12 21 | 10 55 | 4 6 | 3 48 | 3 48 | 11 12 | 7 45 |
| W26 | 23 11 | 27 8 | 4 34 | 20 35 | 0 10 | 21 56 | 1 24 | 23 54 | 0 38 | 14 49 | 0 34 | 13 21 | 0 54 | 23 28 | 0 10 | 11 53 | 0 8 | 12 21 | 10 54 | 4 10 | 3 49 | 3 51 | 11 13 | 7 45 |
| T 27 | 23 9 | 24 31 | 3 59 | 20 15 | 0s 4 | 21 43 | 1 26 | 23 53 | 0 38 | 14 50 | 0 34 | 13 22 | 0 54 | 23 28 | 0 10 | 11 53 | 0 8 | 12 21 | 10 54 | 4 14 | 3 50 | 3 55 | 11 13 | 7 46 |
| F 28 | 23 5 | 20 43 | 3 11 | 19 55 | 0 18 | 21 29 | 1 27 | 23 52 | 0 39 | 14 51 | 0 34 | 13 23 | 0 54 | 23 28 | 0 10 | 11 53 | 0 8 | 12 21 | 10 54 | 4 17 | 3 52 | 3 58 | 11 14 | 7 46 |
| S 29 | 23 2 | 16 4 | 2 16 | 19 36 | 0 33 | 21 14 | 1 28 | 23 51 | 0 39 | 14 53 | 0 35 | 13 24 | 0 54 | 23 28 | 0 10 | 11 54 | 0 9 | 12 22 | 10 54 | 4 19 | 3 53 | 4 2 | 11 14 | 7 46 |
| S 30 | 22n58 | 10s52 | 1s15 | 19n17 | 0s49 | 20n59 | 1n30 | 23n50 | 0n40 | 14s54 | 0s35 | 13s24 | 0s54 | 23s28 | 0s10 | 11s54 | 0s 9 | 12s22 | 10n54 | 4s21 | 3s54 | 4n 5 | 11s14 | 7n47 |

Julian Day Number = 2814382.5, Delta T = 54m09s
Ecliptic obliquity = 23°18'47, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°38'49, Lahiri = 37°45'49


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# ASTRODIENST EPHEMERIS for the year 2993
# geocentric

## JULY 2993 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 39 41 | 10♋32'55 | 16♓49 | 0♌ 2 | 3♌34 | 6♋56 | 21°R 9 | 26°R39 | 29°R57 | 28°R58 | 26°R 0 | 18°D57 | 20♓ 3 | 6♈59 | 5°R27 | M 1 |
| T 2 | 18 43 37 | 11°30'15 | 28°42 | 0°11 | 4°46 | 7°38 | 21♒ 5 | 26♒36 | 29♐54 | 28♒57 | 25♐58 | 18♓57 | 20° 0 | 7° 6 | 5♒24 | T 2 |
| W 3 | 18 47 34 | 12°27'36 | 10♈31 | 0°R15 | 5°59 | 8°19 | 21° 0 | 26°34 | 29°52 | 28°56 | 25°57 | 18°R58 | 19°57 | 7°12 | 5°21 | W 3 |
| T 4 | 18 51 30 | 13°24'56 | 22°22 | 0°15 | 7°12 | 9° 0 | 20°56 | 26°31 | 29°50 | 28°55 | 25°55 | 18°57 | 19°53 | 7°19 | 5°17 | T 4 |
| F 5 | 18 55 27 | 14°22'16 | 4♉19 | 0°10 | 8°25 | 9°41 | 20°51 | 26°29 | 29°47 | 28°54 | 25°54 | 18°55 | 19°50 | 7°25 | 5°14 | F 5 |
| S 6 | 18 59 23 | 15°19'35 | 16°28 | 0° 1 | 9°38 | 10°22 | 20°46 | 26°26 | 29°45 | 28°53 | 25°52 | 18°51 | 19°47 | 7°32 | 5°11 | S 6 |
| S 7 | 19 3 20 | 16°16'55 | 28°53 | 29♋47 | 10°51 | 11° 3 | 20°41 | 26°23 | 29°43 | 28°52 | 25°51 | 18°45 | 19°44 | 7°39 | 5° 7 | S 7 |
| M 8 | 19 7 17 | 17°14'14 | 11♊37 | 29°30 | 12° 3 | 11°44 | 20°36 | 26°20 | 29°40 | 28°51 | 25°49 | 18°36 | 19°41 | 7°45 | 5° 4 | M 8 |
| T 9 | 19 11 13 | 18°11'33 | 24°42 | 29° 8 | 13°16 | 12°25 | 20°31 | 26°17 | 29°38 | 28°50 | 25°48 | 18°27 | 19°38 | 7°52 | 5° 1 | T 9 |
| W10 | 19 15 10 | 19° 8'52 | 8♋ 6 | 28°44 | 14°29 | 13° 6 | 20°25 | 26°14 | 29°36 | 28°49 | 25°46 | 18°17 | 19°34 | 7°59 | 4°57 | W10 |
| T 11 | 19 19 6 | 20° 6'10 | 21°49 | 28°16 | 15°42 | 13°47 | 20°20 | 26°11 | 29°33 | 28°48 | 25°45 | 18° 8 | 19°31 | 8° 5 | 4°54 | T 11 |
| F 12 | 19 23 3 | 21° 3'28 | 5♌47 | 27°45 | 16°54 | 14°28 | 20°14 | 26° 8 | 29°31 | 28°47 | 25°43 | 18° 0 | 19°28 | 8°12 | 4°50 | F 12 |
| S 13 | 19 26 59 | 22° 0'46 | 19°56 | 27°12 | 18° 7 | 15° 9 | 20° 8 | 26° 5 | 29°29 | 28°45 | 25°42 | 17°55 | 19°25 | 8°19 | 4°47 | S 13 |
| S 14 | 19 30 56 | 22°58'03 | 4♍11 | 26°38 | 19°20 | 15°49 | 20° 2 | 26° 1 | 29°27 | 28°44 | 25°41 | 17°52 | 19°22 | 8°25 | 4°43 | S 14 |
| M15 | 19 34 53 | 23°55'20 | 18°28 | 26° 2 | 20°32 | 16°30 | 19°56 | 25°58 | 29°24 | 28°43 | 25°39 | 17°D51 | 19°18 | 8°32 | 4°40 | M15 |
| T 16 | 19 38 49 | 24°52'36 | 2♎45 | 25°26 | 21°45 | 17°11 | 19°50 | 25°55 | 29°22 | 28°42 | 25°38 | 17°52 | 19°15 | 8°39 | 4°36 | T 16 |
| W17 | 19 42 46 | 25°49'52 | 16°58 | 24°50 | 22°57 | 17°51 | 19°43 | 25°51 | 29°20 | 28°40 | 25°36 | 17°53 | 19°12 | 8°45 | 4°33 | W17 |
| T 18 | 19 46 42 | 26°47'07 | 1♏ 6 | 24°15 | 24°10 | 18°32 | 19°37 | 25°48 | 29°18 | 28°39 | 25°35 | 17°R53 | 19° 9 | 8°52 | 4°29 | T 18 |
| F 19 | 19 50 39 | 27°44'22 | 15° 7 | 23°41 | 25°22 | 19°13 | 19°30 | 25°44 | 29°16 | 28°38 | 25°34 | 17°51 | 19° 6 | 8°59 | 4°25 | F 19 |
| S 20 | 19 54 35 | 28°41'37 | 29° 1 | 23° 9 | 26°34 | 19°53 | 19°24 | 25°40 | 29°14 | 28°36 | 25°33 | 17°48 | 19° 3 | 9° 5 | 4°22 | S 20 |
| S 21 | 19 58 32 | 29°38'51 | 12♐46 | 22°39 | 27°47 | 20°33 | 19°17 | 25°37 | 29°12 | 28°35 | 25°31 | 17°43 | 18°59 | 9°12 | 4°18 | S 21 |
| M22 | 20 2 28 | 0♌36'06 | 26°20 | 22°12 | 28°59 | 21°14 | 19°10 | 25°33 | 29°10 | 28°34 | 25°30 | 17°36 | 18°56 | 9°19 | 4°15 | M22 |
| T 23 | 20 6 25 | 1°33'20 | 9♑42 | 21°49 | 0♍11 | 21°54 | 19° 3 | 25°29 | 29° 8 | 28°32 | 25°29 | 17°28 | 18°53 | 9°25 | 4°11 | T 23 |
| W24 | 20 10 22 | 2°30'34 | 22°50 | 21°30 | 1°24 | 22°34 | 18°56 | 25°25 | 29° 6 | 28°31 | 25°28 | 17°21 | 18°50 | 9°32 | 4° 7 | W24 |
| T 25 | 20 14 18 | 3°27'48 | 5♒42 | 21°15 | 2°36 | 23°15 | 18°49 | 25°21 | 29° 4 | 28°29 | 25°26 | 17°14 | 18°47 | 9°39 | 4° 4 | T 25 |
| F 26 | 20 18 15 | 4°25'02 | 18°19 | 21° 4 | 3°48 | 23°55 | 18°41 | 25°17 | 29° 2 | 28°28 | 25°25 | 17° 9 | 18°44 | 9°45 | 4° 0 | F 26 |
| S 27 | 20 22 11 | 5°22'16 | 0♓41 | 20°59 | 5° 0 | 24°35 | 18°34 | 25°13 | 29° 0 | 28°26 | 25°24 | 17° 6 | 18°40 | 9°52 | 3°56 | S 27 |
| S 28 | 20 26 8 | 6°19'31 | 12°50 | 20°D58 | 6°12 | 25°15 | 18°27 | 25° 9 | 28°59 | 28°25 | 25°23 | 17°D 4 | 18°37 | 9°59 | 3°53 | S 28 |
| M29 | 20 30 4 | 7°16'46 | 24°49 | 21° 3 | 7°24 | 25°55 | 18°19 | 25° 5 | 28°57 | 28°24 | 25°22 | 17° 5 | 18°34 | 10° 5 | 3°49 | M29 |
| T 30 | 20 34 1 | 8°14'01 | 6♈41 | 21°13 | 8°37 | 26°35 | 18°12 | 25° 1 | 28°55 | 28°22 | 25°21 | 17° 6 | 18°31 | 10°12 | 3°45 | T 30 |
| W31 | 20 37 57 | 9♌11'17 | 18♈29 | 21♋29 | 9♍49 | 27♋15 | 18♒ 4 | 24♒57 | 28♐53 | 28♒20 | 25♐20 | 17♓ 7 | 18♓28 | 10♈18 | 3♒42 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n54 | 5s21 | 0s11 | 18n59 | 1s 4 | 20n44 | 1n31 | 23n48 | 0n40 | 14s56 | 0s35 | 13s25 | 0s55 | 23s28 | 0s10 | 11s54 | 0s 9 | 12s22 | 10n54 | 4s21 | 3s55 | 4n 8 | 11s15 | 7n47 |
| T 2 | 22 49 | 0n17 | 0n52 | 18 42 | 1 21 | 20 27 | 1 32 | 23 47 | 0 41 | 14 57 | 0 35 | 13 26 | 0 55 | 23 28 | 0 10 | 11 55 | 0 9 | 12 22 | 10 53 | 4 21 | 3 57 | 4 12 | 11 15 | 7 47 |
| W 3 | 22 44 | 5 52 | 1 52 | 18 25 | 1 37 | 20 11 | 1 33 | 23 45 | 0 41 | 14 59 | 0 35 | 13 27 | 0 55 | 23 28 | 0 10 | 11 55 | 0 9 | 12 22 | 10 53 | 4 21 | 3 58 | 4 15 | 11 16 | 7 47 |
| T 4 | 22 38 | 11 16 | 2 48 | 18 9 | 1 53 | 19 53 | 1 34 | 23 42 | 0 42 | 15 0 | 0 36 | 13 28 | 0 55 | 23 28 | 0 10 | 11 55 | 0 9 | 12 22 | 10 53 | 4 21 | 3 59 | 4 18 | 11 16 | 7 48 |
| F 5 | 22 33 | 16 18 | 3 37 | 17 53 | 2 10 | 19 35 | 1 35 | 23 40 | 0 42 | 15 2 | 0 36 | 13 29 | 0 55 | 23 28 | 0 10 | 11 56 | 0 9 | 12 22 | 10 53 | 4 22 | 4 0 | 4 22 | 11 17 | 7 48 |
| S 6 | 22 26 | 20 47 | 4 18 | 17 39 | 2 27 | 19 17 | 1 36 | 23 37 | 0 43 | 15 4 | 0 36 | 13 30 | 0 55 | 23 28 | 0 10 | 11 56 | 0 9 | 12 23 | 10 53 | 4 23 | 4 1 | 4 25 | 11 18 | 7 48 |
| S 7 | 22 20 | 24 28 | 4 46 | 17 26 | 2 43 | 18 58 | 1 36 | 23 35 | 0 43 | 15 6 | 0 36 | 13 32 | 0 55 | 23 28 | 0 10 | 11 56 | 0 9 | 12 23 | 10 52 | 4 26 | 4 3 | 4 29 | 11 18 | 7 48 |
| M 8 | 22 13 | 27 3 | 5 2 | 17 14 | 2 59 | 18 39 | 1 37 | 23 32 | 0 44 | 15 7 | 0 36 | 13 33 | 0 56 | 23 28 | 0 10 | 11 57 | 0 9 | 12 23 | 10 52 | 4 29 | 4 4 | 4 32 | 11 19 | 7 48 |
| T 9 | 22 5 | 28 15 | 5 2 | 17 3 | 3 15 | 18 19 | 1 38 | 23 28 | 0 44 | 15 9 | 0 37 | 13 34 | 0 56 | 23 28 | 0 10 | 11 57 | 0 9 | 12 23 | 10 52 | 4 33 | 4 5 | 4 35 | 11 19 | 7 49 |
| W10 | 21 57 | 27 50 | 4 47 | 16 53 | 3 29 | 17 58 | 1 38 | 23 25 | 0 45 | 15 11 | 0 37 | 13 35 | 0 56 | 23 28 | 0 10 | 11 58 | 0 9 | 12 23 | 10 52 | 4 37 | 4 6 | 4 39 | 11 20 | 7 49 |
| T 11 | 21 49 | 25 44 | 4 14 | 16 45 | 3 44 | 17 37 | 1 39 | 23 21 | 0 45 | 15 13 | 0 37 | 13 36 | 0 56 | 23 28 | 0 10 | 11 58 | 0 9 | 12 24 | 10 51 | 4 40 | 4 8 | 4 42 | 11 21 | 7 49 |
| F 12 | 21 40 | 22 3 | 3 26 | 16 38 | 3 57 | 17 16 | 1 39 | 23 17 | 0 46 | 15 15 | 0 37 | 13 37 | 0 56 | 23 28 | 0 10 | 11 58 | 0 9 | 12 24 | 10 51 | 4 43 | 4 9 | 4 46 | 11 21 | 7 49 |
| S 13 | 21 31 | 17 2 | 2 24 | 16 32 | 4 9 | 16 54 | 1 40 | 23 13 | 0 46 | 15 17 | 0 37 | 13 39 | 0 56 | 23 28 | 0 10 | 11 59 | 0 9 | 12 24 | 10 51 | 4 45 | 4 10 | 4 49 | 11 22 | 7 49 |
| S 14 | 21 22 | 11 3 | 1 13 | 16 27 | 4 20 | 16 32 | 1 40 | 23 9 | 0 47 | 15 19 | 0 37 | 13 40 | 0 56 | 23 28 | 0 10 | 11 59 | 0 9 | 12 24 | 10 51 | 4 46 | 4 11 | 4 52 | 11 23 | 7 49 |
| M15 | 21 12 | 4 29 | 0s 3 | 16 24 | 4 30 | 16 9 | 1 40 | 23 5 | 0 47 | 15 21 | 0 38 | 13 41 | 0 57 | 23 28 | 0 10 | 12 0 | 0 9 | 12 24 | 10 50 | 4 47 | 4 13 | 4 56 | 11 23 | 7 50 |
| T 16 | 21 2 | 2s18 | 1 19 | 16 22 | 4 39 | 15 46 | 1 40 | 23 0 | 0 48 | 15 23 | 0 38 | 13 42 | 0 57 | 23 28 | 0 10 | 12 0 | 0 9 | 12 25 | 10 50 | 4 46 | 4 14 | 4 59 | 11 24 | 7 50 |
| W17 | 20 52 | 8 56 | 2 30 | 16 22 | 4 46 | 15 22 | 1 40 | 22 55 | 0 48 | 15 26 | 0 38 | 13 44 | 0 57 | 23 28 | 0 10 | 12 1 | 0 9 | 12 25 | 10 50 | 4 46 | 4 15 | 5 2 | 11 25 | 7 50 |
| T 18 | 20 41 | 15 6 | 3 31 | 16 22 | 4 51 | 14 58 | 1 40 | 22 50 | 0 48 | 15 28 | 0 38 | 13 45 | 0 57 | 23 28 | 0 10 | 12 1 | 0 9 | 12 25 | 10 50 | 4 46 | 4 16 | 5 6 | 11 25 | 7 50 |
| F 19 | 20 30 | 20 25 | 4 19 | 16 24 | 4 55 | 14 34 | 1 40 | 22 45 | 0 49 | 15 30 | 0 38 | 13 46 | 0 57 | 23 28 | 0 10 | 12 2 | 0 9 | 12 25 | 10 49 | 4 47 | 4 18 | 5 9 | 11 26 | 7 50 |
| S 20 | 20 19 | 24 34 | 4 51 | 16 28 | 4 57 | 14 9 | 1 40 | 22 40 | 0 49 | 15 32 | 0 39 | 13 48 | 0 57 | 23 28 | 0 10 | 12 2 | 0 9 | 12 26 | 10 49 | 4 48 | 4 19 | 5 13 | 11 27 | 7 50 |
| S 21 | 20 7 | 27 16 | 5 6 | 16 32 | 4 57 | 13 44 | 1 40 | 22 34 | 0 50 | 15 35 | 0 39 | 13 49 | 0 57 | 23 28 | 0 10 | 12 3 | 0 9 | 12 26 | 10 49 | 4 50 | 4 20 | 5 16 | 11 28 | 7 50 |
| M22 | 19 55 | 28 20 | 5 4 | 16 37 | 4 56 | 13 19 | 1 39 | 22 28 | 0 50 | 15 37 | 0 39 | 13 50 | 0 57 | 23 28 | 0 10 | 12 3 | 0 9 | 12 26 | 10 48 | 4 53 | 4 21 | 5 19 | 11 28 | 7 50 |
| T 23 | 19 43 | 27 42 | 4 45 | 16 43 | 4 54 | 12 53 | 1 39 | 22 23 | 0 51 | 15 39 | 0 39 | 13 52 | 0 58 | 23 28 | 0 10 | 12 4 | 0 9 | 12 26 | 10 48 | 4 55 | 4 23 | 5 23 | 11 29 | 7 50 |
| W24 | 19 30 | 25 31 | 4 11 | 16 50 | 4 50 | 12 27 | 1 38 | 22 16 | 0 51 | 15 42 | 0 39 | 13 53 | 0 58 | 23 28 | 0 10 | 12 4 | 0 9 | 12 27 | 10 48 | 4 58 | 4 24 | 5 26 | 11 30 | 7 50 |
| T 25 | 19 17 | 22 3 | 3 25 | 16 58 | 4 44 | 12 1 | 1 38 | 22 10 | 0 52 | 15 44 | 0 39 | 13 55 | 0 58 | 23 28 | 0 10 | 12 5 | 0 9 | 12 27 | 10 47 | 5 1 | 4 25 | 5 29 | 11 31 | 7 50 |
| F 26 | 19 3 | 17 38 | 2 30 | 17 6 | 4 38 | 11 34 | 1 37 | 22 4 | 0 52 | 15 46 | 0 40 | 13 56 | 0 58 | 23 28 | 0 10 | 12 5 | 0 9 | 12 27 | 10 47 | 5 3 | 4 26 | 5 33 | 11 32 | 7 50 |
| S 27 | 18 50 | 12 32 | 1 28 | 17 15 | 4 30 | 11 7 | 1 36 | 21 57 | 0 52 | 15 49 | 0 40 | 13 58 | 0 58 | 23 28 | 0 10 | 12 6 | 0 9 | 12 28 | 10 47 | 5 4 | 4 27 | 5 36 | 11 33 | 7 50 |
| S 28 | 18 36 | 7 4 | 0 23 | 17 24 | 4 20 | 10 40 | 1 36 | 21 50 | 0 53 | 15 51 | 0 40 | 13 59 | 0 58 | 23 28 | 0 10 | 12 6 | 0 9 | 12 28 | 10 46 | 5 5 | 4 29 | 5 40 | 11 33 | 7 50 |
| M29 | 18 21 | 1 24 | 0n42 | 17 33 | 4 10 | 10 13 | 1 35 | 21 43 | 0 53 | 15 54 | 0 40 | 14 1 | 0 58 | 23 28 | 0 10 | 12 7 | 0 9 | 12 28 | 10 46 | 5 5 | 4 30 | 5 43 | 11 34 | 7 50 |
| T 30 | 18 7 | 4n15 | 1 45 | 17 43 | 3 59 | 9 45 | 1 34 | 21 36 | 0 54 | 15 56 | 0 40 | 14 2 | 0 58 | 23 28 | 0 10 | 12 7 | 0 9 | 12 28 | 10 46 | 5 4 | 4 31 | 5 46 | 11 35 | 7 50 |
| W31 | 17n52 | 9n43 | 2n43 | 17n52 | 3s47 | 9n17 | 1n33 | 21n29 | 0n54 | 15s58 | 0s40 | 14s 4 | 0s59 | 23s28 | 0s10 | 12s 8 | 0s 9 | 12s29 | 10n45 | 5s 4 | 4s32 | 5n50 | 11s36 | 7n50 |

Julian Day Number = 2814412.5, Delta T = 54m10s
Ecliptic obliquity = 23°18'47, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°38'53, Lahiri = 37°45'53


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# ASTRODIENST EPHEMERIS for the year 2993
# geocentric

## AUGUST 2993 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 41 54 | 10♌ 8'33 | 0♉20 | 21♋50 | 11♍ 0 | 27♋55 | 17°R57 | 24°R52 | 28°R52 | 28°R19 | 25°R19 | 17♓ 9 | 18♓24 | 10♈25 | 3°R38 | T 1 |
| F 2 | 20 45 51 | 11° 5'50 | 12°18 | 22°17 | 12°12 | 28°35 | 17♒49 | 24♒48 | 28♐50 | 28♒17 | 25♐18 | 17°R 9 | 18°21 | 10°32 | 3♒35 | F 2 |
| S 3 | 20 49 47 | 12° 3'08 | 24°27 | 22°49 | 13°24 | 29°15 | 17°41 | 24°44 | 28°48 | 28°16 | 25°17 | 17° 8 | 18°18 | 10°38 | 3°31 | S 3 |
| S 4 | 20 53 44 | 13° 0'26 | 6♊53 | 23°27 | 14°36 | 29°55 | 17°34 | 24°40 | 28°47 | 28°14 | 25°16 | 17° 6 | 18°15 | 10°45 | 3°27 | S 4 |
| M 5 | 20 57 40 | 13°57'45 | 19°40 | 24°10 | 15°48 | 0♌35 | 17°26 | 24°35 | 28°45 | 28°13 | 25°15 | 17° 3 | 18°12 | 10°52 | 3°24 | M 5 |
| T 6 | 21 1 37 | 14°55'05 | 2♋49 | 24°58 | 17° 0 | 1°15 | 17°18 | 24°31 | 28°44 | 28°11 | 25°14 | 16°58 | 18° 9 | 10°58 | 3°20 | T 6 |
| W 7 | 21 5 33 | 15°52'25 | 16°23 | 25°52 | 18°11 | 1°55 | 17°10 | 24°27 | 28°43 | 28°10 | 25°13 | 16°53 | 18° 5 | 11° 5 | 3°17 | W 7 |
| T 8 | 21 9 30 | 16°49'46 | 0♌20 | 26°52 | 19°23 | 2°34 | 17° 3 | 24°22 | 28°41 | 28° 8 | 25°12 | 16°49 | 18° 2 | 11°12 | 3°13 | T 8 |
| F 9 | 21 13 26 | 17°47'08 | 14°36 | 27°56 | 20°35 | 3°14 | 16°55 | 24°18 | 28°40 | 28° 6 | 25°11 | 16°45 | 17°59 | 11°18 | 3°10 | F 9 |
| S 10 | 21 17 23 | 18°44'30 | 29° 8 | 29° 6 | 21°46 | 3°54 | 16°47 | 24°13 | 28°38 | 28° 5 | 25°11 | 16°43 | 17°56 | 11°25 | 3° 7 | S 10 |
| S 11 | 21 21 20 | 19°41'53 | 13♍48 | 0♌20 | 22°58 | 4°33 | 16°39 | 24° 9 | 28°37 | 28° 3 | 25°10 | 16°D42 | 17°53 | 11°32 | 3° 3 | S 11 |
| M12 | 21 25 16 | 20°39'16 | 28°30 | 1°40 | 24° 9 | 5°13 | 16°32 | 24° 4 | 28°36 | 28° 2 | 25° 9 | 16°42 | 17°50 | 11°38 | 3° 0 | M12 |
| T 13 | 21 29 13 | 21°36'40 | 13♎ 7 | 3° 4 | 25°21 | 5°52 | 16°24 | 24° 0 | 28°35 | 28° 0 | 25° 8 | 16°44 | 17°46 | 11°45 | 2°56 | T 13 |
| W14 | 21 33 9 | 22°34'04 | 27°36 | 4°33 | 26°32 | 6°32 | 16°16 | 23°56 | 28°34 | 27°58 | 25° 8 | 16°45 | 17°43 | 11°52 | 2°53 | W14 |
| T 15 | 21 37 6 | 23°31'29 | 11♏52 | 6° 6 | 27°44 | 7°11 | 16° 8 | 23°51 | 28°33 | 27°57 | 25° 7 | 16°46 | 17°40 | 11°58 | 2°50 | T 15 |
| F 16 | 21 41 2 | 24°28'54 | 25°54 | 7°43 | 28°55 | 7°51 | 16° 1 | 23°47 | 28°32 | 27°55 | 25° 6 | 16°R46 | 17°37 | 12° 5 | 2°46 | F 16 |
| S 17 | 21 44 59 | 25°26'20 | 9♐40 | 9°25 | 0♎ 6 | 8°30 | 15°53 | 23°42 | 28°31 | 27°54 | 25° 6 | 16°46 | 17°34 | 12°12 | 2°43 | S 17 |
| S 18 | 21 48 55 | 26°23'46 | 23°10 | 11°10 | 1°17 | 9° 9 | 15°46 | 23°38 | 28°30 | 27°52 | 25° 5 | 16°44 | 17°30 | 12°18 | 2°40 | S 18 |
| M19 | 21 52 52 | 27°21'13 | 6♑24 | 12°58 | 2°29 | 9°49 | 15°38 | 23°33 | 28°29 | 27°50 | 25° 5 | 16°42 | 17°27 | 12°25 | 2°37 | M19 |
| T 20 | 21 56 49 | 28°18'40 | 19°24 | 14°50 | 3°40 | 10°28 | 15°31 | 23°29 | 28°28 | 27°49 | 25° 4 | 16°39 | 17°24 | 12°32 | 2°34 | T 20 |
| W21 | 22 0 45 | 29°16'08 | 2♒10 | 16°44 | 4°51 | 11° 7 | 15°23 | 23°24 | 28°27 | 27°47 | 25° 4 | 16°37 | 17°21 | 12°38 | 2°31 | W21 |
| T 22 | 22 4 42 | 0♍13'37 | 14°43 | 18°41 | 6° 2 | 11°46 | 15°16 | 23°20 | 28°26 | 27°45 | 25° 3 | 16°35 | 17°18 | 12°45 | 2°28 | T 22 |
| F 23 | 22 8 38 | 1°11'07 | 27° 3 | 20°39 | 7°13 | 12°25 | 15° 9 | 23°16 | 28°26 | 27°44 | 25° 3 | 16°33 | 17°15 | 12°52 | 2°25 | F 23 |
| S 24 | 22 12 35 | 2° 8'38 | 9♓13 | 22°39 | 8°24 | 13° 5 | 15° 2 | 23°11 | 28°25 | 27°42 | 25° 3 | 16°32 | 17°11 | 12°58 | 2°22 | S 24 |
| S 25 | 22 16 31 | 3° 6'09 | 21°14 | 24°41 | 9°34 | 13°44 | 14°55 | 23° 7 | 28°24 | 27°41 | 25° 2 | 16°D32 | 17° 8 | 13° 5 | 2°19 | S 25 |
| M26 | 22 20 28 | 4° 3'42 | 3♈ 8 | 26°43 | 10°45 | 14°23 | 14°48 | 23° 2 | 28°24 | 27°39 | 25° 2 | 16°33 | 17° 5 | 13°12 | 2°16 | M26 |
| T 27 | 22 24 24 | 5° 1'16 | 14°57 | 28°46 | 11°56 | 15° 2 | 14°41 | 22°58 | 28°23 | 27°37 | 25° 2 | 16°33 | 17° 2 | 13°18 | 2°13 | T 27 |
| W28 | 22 28 21 | 5°58'52 | 26°45 | 0♍49 | 13° 6 | 15°41 | 14°34 | 22°54 | 28°23 | 27°36 | 25° 1 | 16°35 | 16°59 | 13°25 | 2°11 | W28 |
| T 29 | 22 32 18 | 6°56'28 | 8♉36 | 2°52 | 14°17 | 16°20 | 14°27 | 22°50 | 28°22 | 27°34 | 25° 1 | 16°36 | 16°56 | 13°32 | 2° 8 | T 29 |
| F 30 | 22 36 14 | 7°54'06 | 20°34 | 4°54 | 15°27 | 16°58 | 14°21 | 22°45 | 28°22 | 27°32 | 25° 1 | 16°36 | 16°52 | 13°38 | 2° 5 | F 30 |
| S 31 | 22 40 11 | 8♍51'46 | 2♊42 | 6♍57 | 16♎38 | 17♌37 | 14♒14 | 22♒41 | 28♐22 | 27♒31 | 25♐ 1 | 16♓37 | 16♓49 | 13♈45 | 2♒ 3 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n37 | 14n52 | 3n34 | 18n 1 | 3s35 | 8n49 | 1n32 | 21n21 | 0n54 | 16s 1 | 0s41 | 14s 5 | 0s59 | 23s28 | 0s10 | 12s 8 | 0s 9 | 12s29 | 10n45 | 5s 3 | 4s34 | 5n53 | 11s37 | 7n50 |
| F 2 | 17 21 | 19 31 | 4 17 | 18 10 | 3 22 | 8 20 | 1 30 | 21 14 | 0 55 | 16 3 | 0 41 | 14 7 | 0 59 | 23 28 | 0 10 | 12 9 | 0 9 | 12 29 | 10 45 | 5 3 | 4 35 | 5 56 | 11 38 | 7 50 |
| S 3 | 17 5 | 23 26 | 4 48 | 18 18 | 3 8 | 7 52 | 1 29 | 21 6 | 0 55 | 16 6 | 0 41 | 14 8 | 0 59 | 23 28 | 0 10 | 12 9 | 0 9 | 12 30 | 10 44 | 5 3 | 4 36 | 6 0 | 11 39 | 7 49 |
| S 4 | 16 49 | 26 24 | 5 7 | 18 26 | 2 54 | 7 23 | 1 28 | 20 58 | 0 56 | 16 8 | 0 41 | 14 10 | 0 59 | 23 28 | 0 10 | 12 10 | 0 9 | 12 30 | 10 44 | 5 4 | 4 37 | 6 3 | 11 40 | 7 49 |
| M 5 | 16 33 | 28 6 | 5 12 | 18 33 | 2 39 | 6 54 | 1 26 | 20 50 | 0 56 | 16 11 | 0 41 | 14 11 | 0 59 | 23 28 | 0 10 | 12 10 | 0 9 | 12 30 | 10 44 | 5 5 | 4 39 | 6 6 | 11 41 | 7 49 |
| T 6 | 16 16 | 28 17 | 5 0 | 18 39 | 2 24 | 6 25 | 1 25 | 20 42 | 0 56 | 16 13 | 0 41 | 14 13 | 0 59 | 23 28 | 0 10 | 12 11 | 0 9 | 12 31 | 10 43 | 5 7 | 4 40 | 6 10 | 11 41 | 7 49 |
| W 7 | 16 0 | 26 49 | 4 32 | 18 44 | 2 10 | 5 55 | 1 23 | 20 33 | 0 57 | 16 16 | 0 41 | 14 14 | 0 59 | 23 28 | 0 10 | 12 12 | 0 9 | 12 31 | 10 43 | 5 9 | 4 41 | 6 13 | 11 42 | 7 49 |
| T 8 | 15 43 | 23 40 | 3 47 | 18 48 | 1 55 | 5 26 | 1 21 | 20 25 | 0 57 | 16 18 | 0 41 | 14 16 | 0 59 | 23 28 | 0 10 | 12 12 | 0 9 | 12 31 | 10 43 | 5 11 | 4 42 | 6 16 | 11 43 | 7 49 |
| F 9 | 15 25 | 19 2 | 2 47 | 18 50 | 1 40 | 4 56 | 1 20 | 20 16 | 0 58 | 16 21 | 0 42 | 14 17 | 0 59 | 23 28 | 0 10 | 12 13 | 0 9 | 12 32 | 10 42 | 5 12 | 4 44 | 6 20 | 11 44 | 7 49 |
| S 10 | 15 8 | 13 12 | 1 35 | 18 51 | 1 25 | 4 26 | 1 18 | 20 7 | 0 58 | 16 23 | 0 42 | 14 19 | 1 0 | 23 28 | 0 10 | 12 13 | 0 9 | 12 32 | 10 42 | 5 13 | 4 45 | 6 23 | 11 45 | 7 48 |
| S 11 | 14 50 | 6 35 | 0 16 | 18 50 | 1 10 | 3 56 | 1 16 | 19 58 | 0 58 | 16 26 | 0 42 | 14 20 | 1 0 | 23 28 | 0 10 | 12 14 | 0 9 | 12 32 | 10 41 | 5 13 | 4 46 | 6 27 | 11 46 | 7 48 |
| M12 | 14 32 | 0s23 | 1s 4 | 18 47 | 0 55 | 3 26 | 1 14 | 19 49 | 0 59 | 16 28 | 0 42 | 14 22 | 1 0 | 23 28 | 0 10 | 12 14 | 0 9 | 12 33 | 10 41 | 5 13 | 4 47 | 6 30 | 11 47 | 7 48 |
| T 13 | 14 14 | 7 19 | 2 20 | 18 42 | 0 41 | 2 56 | 1 12 | 19 40 | 0 59 | 16 30 | 0 42 | 14 24 | 1 0 | 23 28 | 0 10 | 12 15 | 0 9 | 12 33 | 10 41 | 5 13 | 4 48 | 6 33 | 11 48 | 7 48 |
| W14 | 13 55 | 13 47 | 3 26 | 18 35 | 0 27 | 2 26 | 1 10 | 19 30 | 0 59 | 16 33 | 0 42 | 14 25 | 1 0 | 23 28 | 0 10 | 12 15 | 0 9 | 12 34 | 10 40 | 5 12 | 4 50 | 6 37 | 11 49 | 7 47 |
| T 15 | 13 36 | 19 25 | 4 19 | 18 26 | 0 13 | 1 56 | 1 7 | 19 21 | 1 0 | 16 35 | 0 42 | 14 27 | 1 0 | 23 28 | 0 10 | 12 16 | 0 9 | 12 34 | 10 40 | 5 12 | 4 51 | 6 40 | 11 50 | 7 47 |
| F 16 | 13 18 | 23 54 | 4 55 | 18 14 | 0 0 | 1 25 | 1 5 | 19 11 | 1 0 | 16 38 | 0 42 | 14 28 | 1 0 | 23 28 | 0 10 | 12 17 | 0 9 | 12 34 | 10 39 | 5 12 | 4 52 | 6 43 | 11 51 | 7 47 |
| S 17 | 12 58 | 26 56 | 5 13 | 18 0 | 0n12 | 0 55 | 1 3 | 19 1 | 1 1 | 16 40 | 0 42 | 14 30 | 1 0 | 23 28 | 0 10 | 12 17 | 0 9 | 12 35 | 10 39 | 5 12 | 4 53 | 6 47 | 11 52 | 7 47 |
| S 18 | 12 39 | 28 21 | 5 13 | 17 43 | 0 24 | 0 25 | 1 0 | 18 51 | 1 1 | 16 42 | 0 43 | 14 31 | 1 0 | 23 28 | 0 10 | 12 18 | 0 9 | 12 35 | 10 39 | 5 13 | 4 55 | 6 50 | 11 53 | 7 46 |
| M19 | 12 20 | 28 6 | 4 57 | 17 24 | 0 35 | 0s 6 | 0 58 | 18 41 | 1 1 | 16 45 | 0 43 | 14 33 | 1 0 | 23 28 | 0 10 | 12 18 | 0 9 | 12 36 | 10 38 | 5 13 | 4 56 | 6 53 | 11 54 | 7 46 |
| T 20 | 12 0 | 26 18 | 4 25 | 17 2 | 0 46 | 0 36 | 0 55 | 18 31 | 1 2 | 16 47 | 0 43 | 14 34 | 1 0 | 23 28 | 0 10 | 12 19 | 0 9 | 12 36 | 10 38 | 5 14 | 4 57 | 6 57 | 11 55 | 7 46 |
| W21 | 11 40 | 23 10 | 3 41 | 16 37 | 0 55 | 1 7 | 0 52 | 18 20 | 1 2 | 16 49 | 0 43 | 14 36 | 1 0 | 23 28 | 0 10 | 12 19 | 0 9 | 12 36 | 10 37 | 5 15 | 4 58 | 7 0 | 11 56 | 7 46 |
| T 22 | 11 20 | 19 0 | 2 47 | 16 10 | 1 4 | 1 37 | 0 50 | 18 10 | 1 2 | 16 51 | 0 43 | 14 37 | 1 0 | 23 28 | 0 10 | 12 20 | 0 9 | 12 37 | 10 37 | 5 16 | 5 0 | 7 3 | 11 57 | 7 45 |
| F 23 | 11 0 | 14 5 | 1 46 | 15 40 | 1 12 | 2 8 | 0 47 | 17 59 | 1 3 | 16 54 | 0 43 | 14 39 | 1 1 | 23 28 | 0 10 | 12 21 | 0 9 | 12 37 | 10 37 | 5 17 | 5 1 | 7 6 | 11 58 | 7 45 |
| S 24 | 10 39 | 8 42 | 0 40 | 15 8 | 1 19 | 2 38 | 0 44 | 17 49 | 1 3 | 16 56 | 0 43 | 14 40 | 1 1 | 23 28 | 0 10 | 12 21 | 0 9 | 12 38 | 10 36 | 5 17 | 5 2 | 7 10 | 11 59 | 7 45 |
| S 25 | 10 19 | 3 4 | 0n26 | 14 34 | 1 25 | 3 8 | 0 41 | 17 38 | 1 3 | 16 58 | 0 43 | 14 42 | 1 1 | 23 28 | 0 10 | 12 22 | 0 9 | 12 38 | 10 36 | 5 17 | 5 3 | 7 13 | 12 0 | 7 44 |
| M26 | 9 58 | 2n37 | 1 31 | 13 58 | 1 31 | 3 39 | 0 38 | 17 27 | 1 4 | 17 0 | 0 43 | 14 43 | 1 1 | 23 28 | 0 10 | 12 22 | 0 9 | 12 38 | 10 35 | 5 17 | 5 4 | 7 16 | 12 0 | 7 44 |
| T 27 | 9 37 | 8 11 | 2 31 | 13 20 | 1 35 | 4 9 | 0 35 | 17 16 | 1 4 | 17 2 | 0 43 | 14 45 | 1 1 | 23 28 | 0 10 | 12 23 | 0 9 | 12 39 | 10 35 | 5 17 | 5 6 | 7 20 | 12 1 | 7 43 |
| W28 | 9 16 | 13 27 | 3 25 | 12 40 | 1 39 | 4 39 | 0 32 | 17 5 | 1 4 | 17 4 | 0 43 | 14 46 | 1 1 | 23 28 | 0 10 | 12 23 | 0 9 | 12 39 | 10 34 | 5 16 | 5 7 | 7 23 | 12 2 | 7 43 |
| T 29 | 8 55 | 18 15 | 4 10 | 11 59 | 1 41 | 5 10 | 0 29 | 16 53 | 1 5 | 17 6 | 0 43 | 14 48 | 1 1 | 23 28 | 0 10 | 12 24 | 0 9 | 12 40 | 10 34 | 5 16 | 5 8 | 7 26 | 12 3 | 7 43 |
| F 30 | 8 34 | 22 23 | 4 45 | 11 16 | 1 43 | 5 40 | 0 26 | 16 42 | 1 5 | 17 8 | 0 43 | 14 49 | 1 1 | 23 28 | 0 10 | 12 24 | 0 9 | 12 40 | 10 34 | 5 16 | 5 9 | 7 30 | 12 4 | 7 42 |
| S 31 | 8n12 | 25n38 | 5n 8 | 10n32 | 1n45 | 6s10 | 0n22 | 16n31 | 1n 5 | 17s10 | 0s44 | 14s51 | 1s 1 | 23s28 | 0s10 | 12s25 | 0s 9 | 12s40 | 10n33 | 5s15 | 5s11 | 7n33 | 12s 5 | 7n42 |

Julian Day Number = 2814443.5, Delta T = 54m10s
Ecliptic obliquity = 23°18'47, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°38'57, Lahiri = 37°45'58


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# ASTRODIENST EPHEMERIS for the year 2993
# geocentric

## SEPTEMBER 2993 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 44 7 | 9♍49'27 | 15♊ 6 | 8♍58 | 17♎48 | 18♌16 | 14°R 8 | 22°R37 | 28°R21 | 27°R29 | 25°R 1 | 16°R37 | 16♓46 | 13♈52 | 2°R 0 | S 1 |
| M 2 | 22 48 4 | 10°47'09 | 27°50 | 10°59 | 18°59 | 18°55 | 14♒ 2 | 22♒33 | 28♐21 | 27♒28 | 25♐ 1 | 16♓36 | 16°43 | 13°58 | 1♒58 | M 2 |
| T 3 | 22 52 0 | 11°44'53 | 10♋57 | 12°59 | 20° 9 | 19°34 | 13°56 | 22°29 | 28°21 | 27°26 | 25° 1 | 16°36 | 16°40 | 14° 5 | 1°55 | T 3 |
| W 4 | 22 55 57 | 12°42'39 | 24°30 | 14°58 | 21°19 | 20°12 | 13°50 | 22°25 | 28°21 | 27°25 | 25°D 0 | 16°36 | 16°36 | 14°12 | 1°53 | W 4 |
| T 5 | 22 59 53 | 13°40'26 | 8♌29 | 16°56 | 22°29 | 20°51 | 13°44 | 22°21 | 28°21 | 27°23 | 25° 0 | 16°35 | 16°33 | 14°18 | 1°51 | T 5 |
| F 6 | 23 3 50 | 14°38'15 | 22°52 | 18°52 | 23°39 | 21°30 | 13°38 | 22°17 | 28°D21 | 27°21 | 25° 1 | 16°35 | 16°30 | 14°25 | 1°48 | F 6 |
| S 7 | 23 7 47 | 15°36'05 | 7♍36 | 20°47 | 24°49 | 22° 8 | 13°33 | 22°13 | 28°21 | 27°20 | 25° 1 | 16°35 | 16°27 | 14°32 | 1°46 | S 7 |
| S 8 | 23 11 43 | 16°33'56 | 22°33 | 22°41 | 25°59 | 22°47 | 13°27 | 22° 9 | 28°21 | 27°18 | 25° 1 | 16°35 | 16°24 | 14°38 | 1°44 | S 8 |
| M 9 | 23 15 40 | 17°31'49 | 7♎37 | 24°34 | 27° 9 | 23°26 | 13°22 | 22° 5 | 28°21 | 27°17 | 25° 1 | 16°35 | 16°21 | 14°45 | 1°42 | M 9 |
| T 10 | 23 19 36 | 18°29'43 | 22°37 | 26°25 | 28°19 | 24° 4 | 13°17 | 22° 1 | 28°21 | 27°15 | 25° 1 | 16°35 | 16°17 | 14°51 | 1°40 | T 10 |
| W11 | 23 23 33 | 19°27'38 | 7♏26 | 28°15 | 29°28 | 24°43 | 13°12 | 21°58 | 28°22 | 27°14 | 25° 1 | 16°34 | 16°14 | 14°58 | 1°38 | W11 |
| T 12 | 23 27 29 | 20°25'34 | 21°58 | 0♎ 4 | 0♏38 | 25°21 | 13° 7 | 21°54 | 28°22 | 27°12 | 25° 1 | 16°34 | 16°11 | 15° 5 | 1°36 | T 12 |
| F 13 | 23 31 26 | 21°23'32 | 6♐ 9 | 1°51 | 1°47 | 25°59 | 13° 3 | 21°50 | 28°22 | 27°11 | 25° 2 | 16°34 | 16° 8 | 15°11 | 1°35 | F 13 |
| S 14 | 23 35 22 | 22°21'31 | 19°57 | 3°37 | 2°57 | 26°38 | 12°58 | 21°47 | 28°23 | 27°10 | 25° 2 | 16°D34 | 16° 5 | 15°18 | 1°33 | S 14 |
| S 15 | 23 39 19 | 23°19'32 | 3♑22 | 5°22 | 4° 6 | 27°16 | 12°54 | 21°43 | 28°23 | 27° 8 | 25° 2 | 16°34 | 16° 2 | 15°25 | 1°31 | S 15 |
| M16 | 23 43 16 | 24°17'33 | 16°26 | 7° 6 | 5°15 | 27°54 | 12°50 | 21°40 | 28°24 | 27° 7 | 25° 3 | 16°34 | 15°58 | 15°31 | 1°30 | M16 |
| T 17 | 23 47 12 | 25°15'36 | 29°11 | 8°48 | 6°25 | 28°33 | 12°46 | 21°37 | 28°24 | 27° 5 | 25° 3 | 16°35 | 15°55 | 15°38 | 1°28 | T 17 |
| W18 | 23 51 9 | 26°13'40 | 11♒41 | 10°29 | 7°34 | 29°11 | 12°42 | 21°33 | 28°25 | 27° 4 | 25° 4 | 16°36 | 15°52 | 15°45 | 1°27 | W18 |
| T 19 | 23 55 5 | 27°11'46 | 23°58 | 12° 9 | 8°43 | 29°49 | 12°39 | 21°30 | 28°26 | 27° 3 | 25° 4 | 16°37 | 15°49 | 15°51 | 1°25 | T 19 |
| F 20 | 23 59 2 | 28° 9'53 | 6♓ 4 | 13°47 | 9°52 | 0♏27 | 12°35 | 21°27 | 28°26 | 27° 1 | 25° 5 | 16°37 | 15°46 | 15°58 | 1°24 | F 20 |
| S 21 | 0 2 58 | 29° 8'01 | 18° 3 | 15°24 | 11° 0 | 1° 5 | 12°32 | 21°24 | 28°27 | 27° 0 | 25° 5 | 16°R38 | 15°42 | 16° 5 | 1°23 | S 21 |
| S 22 | 0 6 55 | 0♎ 6'11 | 29°56 | 17° 1 | 12° 9 | 1°44 | 12°29 | 21°21 | 28°28 | 26°59 | 25° 6 | 16°37 | 15°39 | 16°11 | 1°22 | S 22 |
| M23 | 0 10 51 | 1° 4'23 | 11♈46 | 18°36 | 13°18 | 2°22 | 12°26 | 21°18 | 28°29 | 26°57 | 25° 6 | 16°36 | 15°36 | 16°18 | 1°21 | M23 |
| T 24 | 0 14 48 | 2° 2'36 | 23°35 | 20° 9 | 14°26 | 3° 0 | 12°23 | 21°15 | 28°30 | 26°56 | 25° 7 | 16°34 | 15°33 | 16°25 | 1°20 | T 24 |
| W25 | 0 18 45 | 3° 0'52 | 5♉25 | 21°42 | 15°34 | 3°38 | 12°21 | 21°13 | 28°31 | 26°55 | 25° 8 | 16°32 | 15°30 | 16°31 | 1°19 | W25 |
| T 26 | 0 22 41 | 3°59'09 | 17°18 | 23°14 | 16°43 | 4°16 | 12°18 | 21°10 | 28°32 | 26°54 | 25° 8 | 16°29 | 15°27 | 16°38 | 1°18 | T 26 |
| F 27 | 0 26 38 | 4°57'28 | 29°18 | 24°44 | 17°51 | 4°54 | 12°16 | 21° 7 | 28°33 | 26°52 | 25° 9 | 16°26 | 15°23 | 16°45 | 1°17 | F 27 |
| S 28 | 0 30 34 | 5°55'49 | 11♊28 | 26°13 | 18°59 | 5°32 | 12°14 | 21° 5 | 28°34 | 26°51 | 25°10 | 16°24 | 15°20 | 16°51 | 1°16 | S 28 |
| S 29 | 0 34 31 | 6°54'13 | 23°51 | 27°41 | 20° 7 | 6° 9 | 12°13 | 21° 2 | 28°35 | 26°50 | 25°10 | 16°23 | 15°17 | 16°58 | 1°16 | S 29 |
| M30 | 0 38 27 | 7♎52'38 | 6♋31 | 29♎ 8 | 21♏15 | 6♍47 | 12♒11 | 21♒ 0 | 28♐36 | 26♒49 | 25♐11 | 16°D22 | 15♓14 | 17♈ 5 | 1♒15 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n51 | 27n44 | 5n17 | 9n47 | 1n45 | 6s39 | 0n19 | 16n19 | 1n 6 | 17s12 | 0s44 | 14s52 | 1s 1 | 23s28 | 0s10 | 12s26 | 0s 9 | 12s41 | 10n33 | 5s15 | 5s12 | 7n36 | 12s 6 | 7n42 |
| M 2 | 7 29 | 28 29 | 5 11 | 9 2 | 1 45 | 7 9 | 0 16 | 16 7 | 1 6 | 17 14 | 0 44 | 14 53 | 1 1 | 23 28 | 0 10 | 12 26 | 0 9 | 12 41 | 10 32 | 5 16 | 5 13 | 7 40 | 12 7 | 7 41 |
| T 3 | 7 7 | 27 40 | 4 49 | 8 15 | 1 44 | 7 39 | 0 12 | 15 56 | 1 6 | 17 15 | 0 44 | 14 55 | 1 1 | 23 28 | 0 10 | 12 27 | 0 9 | 12 42 | 10 32 | 5 16 | 5 14 | 7 43 | 12 8 | 7 41 |
| W 4 | 6 45 | 25 13 | 4 11 | 7 28 | 1 42 | 8 8 | 0 9 | 15 44 | 1 7 | 17 17 | 0 44 | 14 56 | 1 1 | 23 28 | 0 10 | 12 27 | 0 9 | 12 42 | 10 31 | 5 16 | 5 16 | 7 46 | 12 9 | 7 40 |
| T 5 | 6 23 | 21 12 | 3 16 | 6 41 | 1 40 | 8 38 | 0 5 | 15 32 | 1 7 | 17 19 | 0 44 | 14 57 | 1 1 | 23 28 | 0 10 | 12 28 | 0 9 | 12 43 | 10 31 | 5 16 | 5 17 | 7 50 | 12 10 | 7 40 |
| F 6 | 6 1 | 15 50 | 2 8 | 5 53 | 1 38 | 9 7 | 0 2 | 15 20 | 1 7 | 17 21 | 0 44 | 14 59 | 1 1 | 23 28 | 0 10 | 12 28 | 0 9 | 12 43 | 10 31 | 5 16 | 5 18 | 7 53 | 12 11 | 7 39 |
| S 7 | 5 39 | 9 27 | 0 50 | 5 5 | 1 34 | 9 36 | 0s 2 | 15 7 | 1 8 | 17 22 | 0 44 | 15 0 | 1 1 | 23 28 | 0 10 | 12 29 | 0 9 | 12 44 | 10 30 | 5 16 | 5 19 | 7 56 | 12 12 | 7 39 |
| S 8 | 5 17 | 2 26 | 0s33 | 4 17 | 1 31 | 10 4 | 0 6 | 14 55 | 1 8 | 17 24 | 0 44 | 15 1 | 1 1 | 23 28 | 0 10 | 12 29 | 0 9 | 12 44 | 10 30 | 5 16 | 5 20 | 7 59 | 12 13 | 7 38 |
| M 9 | 4 54 | 4s45 | 1 54 | 3 28 | 1 26 | 10 33 | 0 10 | 14 43 | 1 8 | 17 25 | 0 44 | 15 3 | 1 1 | 23 28 | 0 10 | 12 30 | 0 9 | 12 44 | 10 29 | 5 16 | 5 22 | 8 3 | 12 13 | 7 38 |
| T 10 | 4 32 | 11 39 | 3 7 | 2 40 | 1 22 | 11 2 | 0 13 | 14 30 | 1 9 | 17 27 | 0 44 | 15 4 | 1 1 | 23 28 | 0 10 | 12 30 | 0 9 | 12 45 | 10 29 | 5 16 | 5 23 | 8 6 | 12 14 | 7 37 |
| W11 | 4 9 | 17 48 | 4 7 | 1 52 | 1 17 | 11 30 | 0 17 | 14 18 | 1 9 | 17 28 | 0 44 | 15 5 | 1 1 | 23 28 | 0 10 | 12 31 | 0 9 | 12 45 | 10 28 | 5 16 | 5 24 | 8 9 | 12 15 | 7 37 |
| T 12 | 3 46 | 22 49 | 4 49 | 1 4 | 1 12 | 11 58 | 0 21 | 14 5 | 1 9 | 17 30 | 0 44 | 15 6 | 1 1 | 23 28 | 0 10 | 12 31 | 0 9 | 12 46 | 10 28 | 5 16 | 5 25 | 8 13 | 12 16 | 7 37 |
| F 13 | 3 24 | 26 21 | 5 12 | 0 17 | 1 6 | 12 25 | 0 25 | 13 53 | 1 9 | 17 31 | 0 44 | 15 7 | 1 1 | 23 28 | 0 10 | 12 32 | 0 9 | 12 46 | 10 27 | 5 17 | 5 27 | 8 16 | 12 17 | 7 36 |
| S 14 | 3 1 | 28 12 | 5 17 | 0s31 | 1 0 | 12 53 | 0 29 | 13 40 | 1 10 | 17 32 | 0 44 | 15 9 | 1 2 | 23 28 | 0 10 | 12 32 | 0 9 | 12 47 | 10 27 | 5 17 | 5 28 | 8 19 | 12 18 | 7 36 |
| S 15 | 2 38 | 28 20 | 5 4 | 1 18 | 0 54 | 13 20 | 0 33 | 13 27 | 1 10 | 17 33 | 0 44 | 15 10 | 1 2 | 23 28 | 0 10 | 12 33 | 0 9 | 12 47 | 10 27 | 5 17 | 5 29 | 8 22 | 12 19 | 7 35 |
| M16 | 2 15 | 26 52 | 4 35 | 2 4 | 0 48 | 13 47 | 0 37 | 13 14 | 1 10 | 17 35 | 0 44 | 15 11 | 1 2 | 23 28 | 0 10 | 12 33 | 0 9 | 12 48 | 10 26 | 5 16 | 5 30 | 8 26 | 12 19 | 7 34 |
| T 17 | 1 52 | 24 1 | 3 54 | 2 50 | 0 41 | 14 14 | 0 41 | 13 1 | 1 11 | 17 36 | 0 44 | 15 12 | 1 2 | 23 28 | 0 10 | 12 34 | 0 9 | 12 48 | 10 26 | 5 16 | 5 32 | 8 29 | 12 20 | 7 34 |
| W18 | 1 30 | 20 6 | 3 2 | 3 36 | 0 34 | 14 40 | 0 45 | 12 48 | 1 11 | 17 37 | 0 44 | 15 13 | 1 2 | 23 28 | 0 10 | 12 34 | 0 9 | 12 48 | 10 25 | 5 16 | 5 33 | 8 32 | 12 21 | 7 33 |
| T 19 | 1 7 | 15 23 | 2 2 | 4 22 | 0 27 | 15 6 | 0 49 | 12 35 | 1 11 | 17 38 | 0 44 | 15 14 | 1 2 | 23 28 | 0 10 | 12 35 | 0 9 | 12 49 | 10 25 | 5 15 | 5 34 | 8 36 | 12 22 | 7 33 |
| F 20 | 0 44 | 10 8 | 0 58 | 5 6 | 0 20 | 15 32 | 0 53 | 12 22 | 1 11 | 17 39 | 0 44 | 15 15 | 1 2 | 23 28 | 0 10 | 12 35 | 0 9 | 12 49 | 10 24 | 5 15 | 5 35 | 8 39 | 12 23 | 7 32 |
| S 21 | 0 21 | 4 35 | 0n 8 | 5 50 | 0 13 | 15 57 | 0 57 | 12 9 | 1 12 | 17 40 | 0 44 | 15 16 | 1 2 | 23 28 | 0 10 | 12 36 | 0 9 | 12 50 | 10 24 | 5 15 | 5 36 | 8 42 | 12 23 | 7 32 |
| S 22 | 0s 2 | 1n 6 | 1 13 | 6 34 | 0 5 | 16 22 | 1 1 | 11 56 | 1 12 | 17 40 | 0 44 | 15 17 | 1 2 | 23 28 | 0 10 | 12 36 | 0 9 | 12 50 | 10 24 | 5 15 | 5 38 | 8 45 | 12 24 | 7 31 |
| M23 | 0 25 | 6 42 | 2 15 | 7 17 | 0s 2 | 16 47 | 1 5 | 11 42 | 1 12 | 17 41 | 0 44 | 15 18 | 1 2 | 23 28 | 0 10 | 12 37 | 0 9 | 12 51 | 10 23 | 5 16 | 5 39 | 8 49 | 12 25 | 7 31 |
| T 24 | 0 49 | 12 4 | 3 10 | 8 0 | 0 10 | 17 11 | 1 9 | 11 29 | 1 13 | 17 42 | 0 44 | 15 19 | 1 2 | 23 28 | 0 10 | 12 37 | 0 9 | 12 51 | 10 23 | 5 16 | 5 40 | 8 52 | 12 26 | 7 30 |
| W25 | 1 12 | 17 0 | 3 58 | 8 41 | 0 18 | 17 35 | 1 13 | 11 15 | 1 13 | 17 43 | 0 44 | 15 20 | 1 2 | 23 28 | 0 10 | 12 38 | 0 9 | 12 52 | 10 22 | 5 17 | 5 41 | 8 55 | 12 27 | 7 30 |
| T 26 | 1 35 | 21 19 | 4 36 | 9 23 | 0 26 | 17 59 | 1 18 | 11 2 | 1 13 | 17 43 | 0 44 | 15 21 | 1 2 | 23 28 | 0 10 | 12 38 | 0 10 | 12 52 | 10 22 | 5 18 | 5 43 | 8 58 | 12 27 | 7 29 |
| F 27 | 1 58 | 24 48 | 5 1 | 10 3 | 0 33 | 18 22 | 1 22 | 10 48 | 1 13 | 17 44 | 0 44 | 15 21 | 1 2 | 23 28 | 0 10 | 12 38 | 0 10 | 12 53 | 10 21 | 5 19 | 5 44 | 9 2 | 12 28 | 7 29 |
| S 28 | 2 21 | 27 13 | 5 14 | 10 43 | 0 41 | 18 45 | 1 26 | 10 35 | 1 14 | 17 44 | 0 44 | 15 22 | 1 2 | 23 28 | 0 10 | 12 39 | 0 10 | 12 53 | 10 21 | 5 20 | 5 45 | 9 5 | 12 29 | 7 28 |
| S 29 | 2 44 | 28 22 | 5 13 | 11 22 | 0 49 | 19 7 | 1 30 | 10 21 | 1 14 | 17 45 | 0 44 | 15 23 | 1 2 | 23 28 | 0 10 | 12 39 | 0 10 | 12 53 | 10 20 | 5 21 | 5 46 | 9 8 | 12 29 | 7 27 |
| M30 | 3s 7 | 28n 5 | 4n56 | 12s 0 | 0s57 | 19s29 | 1s34 | 10n 7 | 1n14 | 17s45 | 0s44 | 15s24 | 1s 2 | 23s28 | 0s10 | 12s40 | 0s10 | 12s54 | 10n20 | 5s21 | 5s47 | 9n11 | 12s30 | 7n27 |

Julian Day Number = 2814474.5, Delta T = 54m11s
Ecliptic obliquity = 23°18'47, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°39'02, Lahiri = 37°46'02


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# ASTRODIENST EPHEMERIS for the year 2993
# geocentric

## OCTOBER 2993 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 42 24 | 8♎51'05 | 19♋32 | 0♏34 | 22♏22 | 7♍25 | 12°R10 | 20°R58 | 28♐38 | 26°R48 | 25♐12 | 16♓22 | 15♓11 | 17♈11 | 1°R15 | T 1 |
| W 2 | 0 46 20 | 9°49'35 | 2♌56 | 1°58 | 23°30 | 8° 3 | 12♒ 9 | 20♒56 | 28°39 | 26♒47 | 25°13 | 16°23 | 15° 7 | 17°18 | 1♒14 | W 2 |
| T 3 | 0 50 17 | 10°48'07 | 16°47 | 3°22 | 24°38 | 8°41 | 12° 8 | 20°53 | 28°40 | 26°46 | 25°14 | 16°25 | 15° 4 | 17°25 | 1°14 | T 3 |
| F 4 | 0 54 14 | 11°46'40 | 1♍ 5 | 4°44 | 25°45 | 9°18 | 12° 7 | 20°51 | 28°42 | 26°45 | 25°15 | 16°26 | 15° 1 | 17°31 | 1°14 | F 4 |
| S 5 | 0 58 10 | 12°45'16 | 15°46 | 6° 4 | 26°52 | 9°56 | 12° 6 | 20°50 | 28°43 | 26°44 | 25°16 | 16°R27 | 14°58 | 17°38 | 1°14 | S 5 |
| S 6 | 1 2 7 | 13°43'53 | 0♎47 | 7°24 | 27°59 | 10°34 | 12° 6 | 20°48 | 28°45 | 26°43 | 25°17 | 16°26 | 14°55 | 17°45 | 1°14 | S 6 |
| M 7 | 1 6 3 | 14°42'33 | 15°59 | 8°42 | 29° 6 | 11°11 | 12° 6 | 20°46 | 28°46 | 26°42 | 25°18 | 16°24 | 14°52 | 17°51 | 1°D14 | M 7 |
| T 8 | 1 10 0 | 15°41'15 | 1♏13 | 9°58 | 0♐13 | 11°49 | 12°D 6 | 20°44 | 28°48 | 26°41 | 25°19 | 16°21 | 14°48 | 17°58 | 1°14 | T 8 |
| W 9 | 1 13 56 | 16°39'58 | 16°19 | 11°14 | 1°20 | 12°27 | 12° 6 | 20°43 | 28°49 | 26°40 | 25°20 | 16°17 | 14°45 | 18° 5 | 1°14 | W 9 |
| T 10 | 1 17 53 | 17°38'43 | 1♐ 7 | 12°27 | 2°26 | 13° 4 | 12° 6 | 20°41 | 28°51 | 26°39 | 25°21 | 16°12 | 14°42 | 18°11 | 1°14 | T 10 |
| F 11 | 1 21 49 | 18°37'30 | 15°31 | 13°39 | 3°33 | 13°42 | 12° 7 | 20°40 | 28°53 | 26°38 | 25°22 | 16° 8 | 14°39 | 18°18 | 1°14 | F 11 |
| S 12 | 1 25 46 | 19°36'19 | 29°28 | 14°49 | 4°39 | 14°19 | 12° 8 | 20°39 | 28°55 | 26°37 | 25°24 | 16° 5 | 14°36 | 18°25 | 1°15 | S 12 |
| S 13 | 1 29 42 | 20°35'09 | 12♑57 | 15°58 | 5°45 | 14°56 | 12° 9 | 20°38 | 28°57 | 26°36 | 25°25 | 16° 4 | 14°33 | 18°31 | 1°15 | S 13 |
| M14 | 1 33 39 | 21°34'01 | 25°59 | 17° 4 | 6°51 | 15°34 | 12°10 | 20°37 | 28°58 | 26°36 | 25°26 | 16°D 4 | 14°29 | 18°38 | 1°16 | M14 |
| T 15 | 1 37 36 | 22°32'55 | 8♒39 | 18° 8 | 7°56 | 16°11 | 12°11 | 20°36 | 29° 0 | 26°35 | 25°27 | 16° 5 | 14°26 | 18°45 | 1°16 | T 15 |
| W16 | 1 41 32 | 23°31'50 | 21° 1 | 19°10 | 9° 2 | 16°48 | 12°13 | 20°35 | 29° 2 | 26°34 | 25°29 | 16° 6 | 14°23 | 18°51 | 1°17 | W16 |
| T 17 | 1 45 29 | 24°30'47 | 3♓ 8 | 20° 9 | 10° 7 | 17°26 | 12°14 | 20°34 | 29° 4 | 26°34 | 25°30 | 16° 8 | 14°20 | 18°58 | 1°18 | T 17 |
| F 18 | 1 49 25 | 25°29'45 | 15° 6 | 21° 6 | 11°12 | 18° 3 | 12°16 | 20°33 | 29° 6 | 26°33 | 25°31 | 16°R 8 | 14°17 | 19° 5 | 1°19 | F 18 |
| S 19 | 1 53 22 | 26°28'46 | 26°57 | 22° 0 | 12°17 | 18°40 | 12°19 | 20°33 | 29° 9 | 26°32 | 25°33 | 16° 8 | 14°13 | 19°11 | 1°20 | S 19 |
| S 20 | 1 57 18 | 27°27'48 | 8♈46 | 22°50 | 13°22 | 19°17 | 12°21 | 20°32 | 29°11 | 26°32 | 25°34 | 16° 5 | 14°10 | 19°18 | 1°21 | S 20 |
| M21 | 2 1 15 | 28°26'52 | 20°35 | 23°37 | 14°26 | 19°54 | 12°23 | 20°32 | 29°13 | 26°31 | 25°36 | 16° 1 | 14° 7 | 19°25 | 1°22 | M21 |
| T 22 | 2 5 11 | 29°25'58 | 2♉26 | 24°21 | 15°31 | 20°31 | 12°26 | 20°32 | 29°15 | 26°31 | 25°37 | 15°54 | 14° 4 | 19°31 | 1°23 | T 22 |
| W23 | 2 9 8 | 0♏25'06 | 14°21 | 25° 0 | 16°35 | 21° 9 | 12°29 | 20°31 | 29°17 | 26°30 | 25°39 | 15°46 | 14° 1 | 19°38 | 1°24 | W23 |
| T 24 | 2 13 5 | 1°24'16 | 26°21 | 25°35 | 17°39 | 21°46 | 12°32 | 20°D31 | 29°20 | 26°30 | 25°40 | 15°37 | 13°58 | 19°45 | 1°25 | T 24 |
| F 25 | 2 17 1 | 2°23'29 | 8♊29 | 26° 4 | 18°42 | 22°23 | 12°35 | 20°31 | 29°22 | 26°29 | 25°42 | 15°29 | 13°54 | 19°51 | 1°27 | F 25 |
| S 26 | 2 20 58 | 3°22'43 | 20°45 | 26°29 | 19°46 | 23° 0 | 12°39 | 20°31 | 29°25 | 26°29 | 25°43 | 15°21 | 13°51 | 19°58 | 1°28 | S 26 |
| S 27 | 2 24 54 | 4°22'00 | 3♋12 | 26°47 | 20°49 | 23°36 | 12°42 | 20°32 | 29°27 | 26°28 | 25°45 | 15°15 | 13°48 | 20° 5 | 1°30 | S 27 |
| M28 | 2 28 51 | 5°21'19 | 15°53 | 27° 0 | 21°52 | 24°13 | 12°46 | 20°32 | 29°30 | 26°28 | 25°46 | 15°11 | 13°45 | 20°12 | 1°31 | M28 |
| T 29 | 2 32 47 | 6°20'40 | 28°51 | 27°R 5 | 22°54 | 24°50 | 12°50 | 20°32 | 29°32 | 26°28 | 25°48 | 15° 9 | 13°42 | 20°18 | 1°33 | T 29 |
| W30 | 2 36 44 | 7°20'04 | 12♌ 9 | 27° 3 | 23°56 | 25°27 | 12°54 | 20°33 | 29°35 | 26°27 | 25°50 | 15°D 8 | 13°39 | 20°25 | 1°35 | W30 |
| T 31 | 2 40 40 | 8♏19'29 | 25♌48 | 26♏53 | 24♐58 | 26♍ 4 | 12♒59 | 20♒34 | 29♐37 | 26♒27 | 25♐52 | 15♓ 9 | 13♓35 | 20♈32 | 1♒37 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 3s29 | 26n15 | 4n24 | 12s37 | 1s 5 | 19s51 | 1s38 | 9n54 | 1n14 | 17s46 | 0s44 | 15s24 | 1s 2 | 23s28 | 0s10 | 12s40 | 0s10 | 12s54 | 10n20 | 5s21 | 5s49 | 9n15 | 12s31 | 7n26 |
| W 2 | 3 52 | 22 55 | 3 37 | 13 14 | 1 13 | 20 12 | 1 42 | 9 40 | 1 15 | 17 46 | 0 44 | 15 25 | 1 2 | 23 28 | 0 10 | 12 40 | 0 10 | 12 55 | 10 19 | 5 21 | 5 50 | 9 18 | 12 31 | 7 26 |
| T 3 | 4 15 | 18 12 | 2 36 | 13 50 | 1 21 | 20 33 | 1 47 | 9 26 | 1 15 | 17 46 | 0 44 | 15 26 | 1 2 | 23 28 | 0 10 | 12 41 | 0 10 | 12 55 | 10 19 | 5 20 | 5 51 | 9 21 | 12 32 | 7 25 |
| F 4 | 4 38 | 12 20 | 1 24 | 14 25 | 1 28 | 20 53 | 1 51 | 9 12 | 1 15 | 17 47 | 0 44 | 15 26 | 1 2 | 23 28 | 0 10 | 12 41 | 0 10 | 12 56 | 10 18 | 5 20 | 5 52 | 9 24 | 12 33 | 7 25 |
| S 5 | 5 1 | 5 38 | 0 4 | 14 59 | 1 36 | 21 13 | 1 55 | 8 58 | 1 15 | 17 47 | 0 44 | 15 27 | 1 2 | 23 28 | 0 10 | 12 41 | 0 10 | 12 56 | 10 18 | 5 19 | 5 54 | 9 28 | 12 33 | 7 24 |
| S 6 | 5 23 | 1s30 | 1s18 | 15 33 | 1 44 | 21 32 | 1 59 | 8 44 | 1 16 | 17 47 | 0 44 | 15 28 | 1 2 | 23 28 | 0 10 | 12 42 | 0 10 | 12 57 | 10 18 | 5 20 | 5 55 | 9 31 | 12 34 | 7 23 |
| M 7 | 5 46 | 8 39 | 2 35 | 16 5 | 1 51 | 21 51 | 2 3 | 8 30 | 1 16 | 17 47 | 0 44 | 15 28 | 1 2 | 23 28 | 0 10 | 12 42 | 0 10 | 12 57 | 10 17 | 5 20 | 5 56 | 9 34 | 12 34 | 7 23 |
| T 8 | 6 9 | 15 18 | 3 41 | 16 36 | 1 59 | 22 9 | 2 7 | 8 16 | 1 16 | 17 47 | 0 44 | 15 29 | 1 2 | 23 28 | 0 10 | 12 42 | 0 10 | 12 57 | 10 17 | 5 22 | 5 57 | 9 37 | 12 35 | 7 22 |
| W 9 | 6 31 | 20 57 | 4 31 | 17 7 | 2 6 | 22 27 | 2 11 | 8 2 | 1 16 | 17 47 | 0 44 | 15 29 | 1 2 | 23 28 | 0 10 | 12 43 | 0 10 | 12 58 | 10 16 | 5 23 | 5 58 | 9 40 | 12 35 | 7 22 |
| T 10 | 6 53 | 25 12 | 5 2 | 17 36 | 2 13 | 22 45 | 2 15 | 7 48 | 1 17 | 17 47 | 0 44 | 15 30 | 1 2 | 23 28 | 0 10 | 12 43 | 0 10 | 12 58 | 10 16 | 5 25 | 6 0 | 9 44 | 12 36 | 7 21 |
| F 11 | 7 16 | 27 42 | 5 12 | 18 5 | 2 20 | 23 1 | 2 19 | 7 34 | 1 17 | 17 46 | 0 44 | 15 30 | 1 2 | 23 28 | 0 10 | 12 43 | 0 10 | 12 59 | 10 16 | 5 26 | 6 1 | 9 47 | 12 36 | 7 20 |
| S 12 | 7 38 | 28 23 | 5 4 | 18 32 | 2 27 | 23 18 | 2 23 | 7 20 | 1 17 | 17 46 | 0 44 | 15 30 | 1 2 | 23 28 | 0 10 | 12 44 | 0 10 | 12 59 | 10 15 | 5 28 | 6 2 | 9 50 | 12 37 | 7 20 |
| S 13 | 8 0 | 27 19 | 4 39 | 18 58 | 2 33 | 23 33 | 2 27 | 7 5 | 1 17 | 17 46 | 0 44 | 15 31 | 1 1 | 23 28 | 0 10 | 12 44 | 0 10 | 13 0 | 10 15 | 5 28 | 6 3 | 9 53 | 12 37 | 7 19 |
| M14 | 8 22 | 24 46 | 4 0 | 19 23 | 2 39 | 23 49 | 2 30 | 6 51 | 1 18 | 17 45 | 0 44 | 15 31 | 1 1 | 23 28 | 0 10 | 12 44 | 0 10 | 13 0 | 10 14 | 5 28 | 6 5 | 9 57 | 12 38 | 7 19 |
| T 15 | 8 44 | 21 4 | 3 10 | 19 47 | 2 45 | 24 3 | 2 34 | 6 37 | 1 18 | 17 45 | 0 44 | 15 31 | 1 1 | 23 28 | 0 10 | 12 44 | 0 10 | 13 1 | 10 14 | 5 28 | 6 6 | 10 0 | 12 38 | 7 18 |
| W16 | 9 5 | 16 31 | 2 13 | 20 10 | 2 51 | 24 17 | 2 38 | 6 23 | 1 18 | 17 45 | 0 44 | 15 32 | 1 1 | 23 29 | 0 10 | 12 45 | 0 10 | 13 1 | 10 14 | 5 27 | 6 7 | 10 3 | 12 39 | 7 17 |
| T 17 | 9 27 | 11 24 | 1 10 | 20 31 | 2 56 | 24 31 | 2 42 | 6 9 | 1 18 | 17 44 | 0 44 | 15 32 | 1 1 | 23 29 | 0 10 | 12 45 | 0 10 | 13 1 | 10 13 | 5 27 | 6 8 | 10 6 | 12 39 | 7 17 |
| F 18 | 9 49 | 5 56 | 0 6 | 20 51 | 3 1 | 24 44 | 2 45 | 5 54 | 1 18 | 17 43 | 0 43 | 15 32 | 1 1 | 23 29 | 0 10 | 12 45 | 0 10 | 13 2 | 10 13 | 5 26 | 6 9 | 10 9 | 12 40 | 7 16 |
| S 19 | 10 10 | 0 19 | 0n58 | 21 10 | 3 6 | 24 56 | 2 49 | 5 40 | 1 19 | 17 43 | 0 43 | 15 32 | 1 1 | 23 29 | 0 10 | 12 45 | 0 10 | 13 2 | 10 12 | 5 27 | 6 11 | 10 13 | 12 40 | 7 16 |
| S 20 | 10 31 | 5n18 | 2 0 | 21 27 | 3 10 | 25 8 | 2 52 | 5 26 | 1 19 | 17 42 | 0 43 | 15 32 | 1 1 | 23 29 | 0 10 | 12 46 | 0 10 | 13 3 | 10 12 | 5 28 | 6 12 | 10 16 | 12 40 | 7 15 |
| M21 | 10 52 | 10 43 | 2 56 | 21 42 | 3 14 | 25 19 | 2 56 | 5 11 | 1 19 | 17 41 | 0 43 | 15 32 | 1 1 | 23 29 | 0 10 | 12 46 | 0 10 | 13 3 | 10 12 | 5 29 | 6 13 | 10 19 | 12 41 | 7 15 |
| T 22 | 11 13 | 15 46 | 3 44 | 21 56 | 3 17 | 25 30 | 2 59 | 4 57 | 1 19 | 17 41 | 0 43 | 15 32 | 1 1 | 23 29 | 0 10 | 12 46 | 0 10 | 13 3 | 10 11 | 5 32 | 6 14 | 10 22 | 12 41 | 7 14 |
| W23 | 11 34 | 20 15 | 4 23 | 22 8 | 3 19 | 25 40 | 3 2 | 4 43 | 1 19 | 17 40 | 0 43 | 15 32 | 1 1 | 23 29 | 0 10 | 12 46 | 0 10 | 13 4 | 10 11 | 5 35 | 6 15 | 10 25 | 12 41 | 7 13 |
| T 24 | 11 54 | 23 56 | 4 50 | 22 18 | 3 21 | 25 49 | 3 5 | 4 28 | 1 20 | 17 39 | 0 43 | 15 32 | 1 1 | 23 29 | 0 10 | 12 46 | 0 10 | 13 4 | 10 11 | 5 38 | 6 17 | 10 29 | 12 42 | 7 13 |
| F 25 | 12 14 | 26 37 | 5 5 | 22 26 | 3 22 | 25 58 | 3 9 | 4 14 | 1 20 | 17 38 | 0 43 | 15 32 | 1 1 | 23 29 | 0 10 | 12 46 | 0 10 | 13 5 | 10 10 | 5 42 | 6 18 | 10 32 | 12 42 | 7 12 |
| S 26 | 12 35 | 28 5 | 5 6 | 22 32 | 3 22 | 26 6 | 3 12 | 4 0 | 1 20 | 17 37 | 0 43 | 15 32 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 5 | 10 10 | 5 45 | 6 19 | 10 35 | 12 42 | 7 12 |
| S 27 | 12 55 | 28 9 | 4 52 | 22 36 | 3 21 | 26 14 | 3 15 | 3 45 | 1 20 | 17 36 | 0 43 | 15 32 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 6 | 10 9 | 5 47 | 6 20 | 10 38 | 12 42 | 7 11 |
| M28 | 13 14 | 26 45 | 4 25 | 22 37 | 3 19 | 26 21 | 3 17 | 3 31 | 1 20 | 17 35 | 0 43 | 15 32 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 6 | 10 9 | 5 49 | 6 22 | 10 41 | 12 43 | 7 10 |
| T 29 | 13 34 | 23 55 | 3 43 | 22 35 | 3 16 | 26 27 | 3 20 | 3 17 | 1 21 | 17 33 | 0 43 | 15 32 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 6 | 10 9 | 5 49 | 6 23 | 10 44 | 12 43 | 7 10 |
| W30 | 13 53 | 19 45 | 2 48 | 22 30 | 3 12 | 26 33 | 3 23 | 3 2 | 1 21 | 17 32 | 0 43 | 15 32 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 7 | 10 8 | 5 49 | 6 24 | 10 48 | 12 43 | 7 9 |
| T 31 | 14s12 | 14n27 | 1n42 | 22s22 | 3s 6 | 26s38 | 3s26 | 2n48 | 1n21 | 17s31 | 0s43 | 15s32 | 1s 1 | 23s29 | 0s10 | 12s47 | 0s10 | 13s 7 | 10n 8 | 5s49 | 6s25 | 10n51 | 12s43 | 7n 9 |

Julian Day Number = 2814504.5, Delta T = 54m11s
Ecliptic obliquity = 23°18'47, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°39'06, Lahiri = 37°46'06


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# ASTRODIENST EPHEMERIS for the year 2993
# geocentric

## NOVEMBER 2993 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 2 44 37 | 9♏18'57 | 9♍52 | 26°R35 | 26♐ 0 | 26♍41 | 13♒ 3 | 20♒34 | 29♐40 | 26°R27 | 25♐53 | 15°R10 | 13♓32 | 20♈38 | 1♒39 | F 1 |
| S 2 | 2 48 34 | 10°18'27 | 24°19 | 26♏ 8 | 27° 2 | 27°17 | 13° 8 | 20°35 | 29°42 | 26♒27 | 25°55 | 15♓10 | 13°29 | 20°45 | 1°41 | S 2 |
| S 3 | 2 52 30 | 11°18'00 | 9♎ 8 | 25°33 | 28° 3 | 27°54 | 13°13 | 20°36 | 29°45 | 26°27 | 25°57 | 15° 8 | 13°26 | 20°52 | 1°43 | S 3 |
| M 4 | 2 56 27 | 12°17'34 | 24°12 | 24°49 | 29° 3 | 28°31 | 13°18 | 20°37 | 29°48 | 26°26 | 25°59 | 15° 3 | 13°23 | 20°58 | 1°45 | M 4 |
| T 5 | 3 0 23 | 13°17'11 | 9♏24 | 23°57 | 0♑ 4 | 29° 7 | 13°23 | 20°38 | 29°51 | 26°26 | 26° 0 | 14°56 | 13°19 | 21° 5 | 1°47 | T 5 |
| W 6 | 3 4 20 | 14°16'50 | 24°32 | 22°57 | 1° 4 | 29°44 | 13°29 | 20°39 | 29°54 | 26°26 | 26° 2 | 14°47 | 13°16 | 21°12 | 1°49 | W 6 |
| T 7 | 3 8 16 | 15°16'30 | 9♐27 | 21°51 | 2° 4 | 0♎20 | 13°34 | 20°41 | 29°56 | 26°D26 | 26° 4 | 14°38 | 13°13 | 21°18 | 1°52 | T 7 |
| F 8 | 3 12 13 | 16°16'13 | 24° 0 | 20°40 | 3° 3 | 0°57 | 13°40 | 20°42 | 29°59 | 26°26 | 26° 6 | 14°28 | 13°10 | 21°25 | 1°54 | F 8 |
| S 9 | 3 16 9 | 17°15'57 | 8♑ 6 | 19°25 | 4° 2 | 1°33 | 13°46 | 20°44 | 0♑ 2 | 26°26 | 26° 8 | 14°21 | 13° 7 | 21°32 | 1°56 | S 9 |
| S 10 | 3 20 6 | 18°15'43 | 21°41 | 18° 9 | 5° 1 | 2°10 | 13°52 | 20°45 | 0° 5 | 26°27 | 26°10 | 14°15 | 13° 4 | 21°38 | 1°59 | S 10 |
| M11 | 3 24 3 | 19°15'31 | 4♒49 | 16°54 | 5°59 | 2°46 | 13°58 | 20°47 | 0° 8 | 26°27 | 26°12 | 14°12 | 13° 0 | 21°45 | 2° 2 | M11 |
| T 12 | 3 27 59 | 20°15'20 | 17°30 | 15°42 | 6°56 | 3°22 | 14° 5 | 20°49 | 0°11 | 26°27 | 26°14 | 14°D11 | 12°57 | 21°52 | 2° 4 | T 12 |
| W13 | 3 31 56 | 21°15'10 | 29°51 | 14°36 | 7°54 | 3°58 | 14°11 | 20°51 | 0°14 | 26°27 | 26°16 | 14°11 | 12°54 | 21°58 | 2° 7 | W13 |
| T 14 | 3 35 52 | 22°15'02 | 11♓55 | 13°37 | 8°50 | 4°35 | 14°18 | 20°53 | 0°17 | 26°27 | 26°18 | 14°R12 | 12°51 | 22° 5 | 2°10 | T 14 |
| F 15 | 3 39 49 | 23°14'56 | 23°50 | 12°47 | 9°46 | 5°11 | 14°25 | 20°55 | 0°20 | 26°27 | 26°20 | 14°11 | 12°48 | 22°12 | 2°13 | F 15 |
| S 16 | 3 43 45 | 24°14'52 | 5♈39 | 12° 8 | 10°42 | 5°47 | 14°32 | 20°57 | 0°23 | 26°28 | 26°22 | 14° 9 | 12°45 | 22°18 | 2°16 | S 16 |
| S 17 | 3 47 42 | 25°14'49 | 17°27 | 11°40 | 11°37 | 6°23 | 14°39 | 21° 0 | 0°27 | 26°28 | 26°24 | 14° 4 | 12°41 | 22°25 | 2°19 | S 17 |
| M18 | 3 51 38 | 26°14'48 | 29°17 | 11°24 | 12°32 | 6°59 | 14°47 | 21° 2 | 0°30 | 26°28 | 26°26 | 13°57 | 12°38 | 22°32 | 2°22 | M18 |
| T 19 | 3 55 35 | 27°14'48 | 11♉12 | 11°D19 | 13°26 | 7°35 | 14°54 | 21° 4 | 0°33 | 26°29 | 26°28 | 13°46 | 12°35 | 22°38 | 2°25 | T 19 |
| W20 | 3 59 32 | 28°14'51 | 23°15 | 11°25 | 14°19 | 8°11 | 15° 2 | 21° 7 | 0°36 | 26°29 | 26°30 | 13°34 | 12°32 | 22°45 | 2°28 | W20 |
| T 21 | 4 3 28 | 29°14'55 | 5♊26 | 11°42 | 15°12 | 8°47 | 15°10 | 21°10 | 0°39 | 26°30 | 26°32 | 13°20 | 12°29 | 22°52 | 2°31 | T 21 |
| F 22 | 4 7 25 | 0♐15'01 | 17°47 | 12° 9 | 16° 4 | 9°23 | 15°18 | 21°12 | 0°43 | 26°30 | 26°34 | 13° 7 | 12°25 | 22°58 | 2°35 | F 22 |
| S 23 | 4 11 21 | 1°15'09 | 0♋17 | 12°45 | 16°55 | 9°59 | 15°26 | 21°15 | 0°46 | 26°31 | 26°36 | 12°54 | 12°22 | 23° 5 | 2°38 | S 23 |
| S 24 | 4 15 18 | 2°15'18 | 12°57 | 13°29 | 17°46 | 10°34 | 15°34 | 21°18 | 0°49 | 26°31 | 26°38 | 12°44 | 12°19 | 23°12 | 2°42 | S 24 |
| M25 | 4 19 14 | 3°15'30 | 25°49 | 14°20 | 18°36 | 11°10 | 15°42 | 21°21 | 0°53 | 26°32 | 26°41 | 12°36 | 12°16 | 23°18 | 2°45 | M25 |
| T 26 | 4 23 11 | 4°15'44 | 8♌53 | 15°18 | 19°25 | 11°46 | 15°51 | 21°25 | 0°56 | 26°33 | 26°43 | 12°32 | 12°13 | 23°25 | 2°49 | T 26 |
| W27 | 4 27 8 | 5°15'59 | 22°11 | 16°22 | 20°13 | 12°22 | 15°59 | 21°28 | 0°59 | 26°33 | 26°45 | 12°29 | 12°10 | 23°32 | 2°52 | W27 |
| T 28 | 4 31 4 | 6°16'16 | 5♍45 | 17°30 | 21° 1 | 12°57 | 16° 8 | 21°31 | 1° 3 | 26°34 | 26°47 | 12°29 | 12° 6 | 23°38 | 2°56 | T 28 |
| F 29 | 4 35 1 | 7°16'36 | 19°37 | 18°43 | 21°48 | 13°33 | 16°17 | 21°34 | 1° 6 | 26°35 | 26°49 | 12°29 | 12° 3 | 23°45 | 3° 0 | F 29 |
| S 30 | 4 38 57 | 8♐16'57 | 3♎48 | 19♏59 | 22♑33 | 14♎ 8 | 16♒26 | 21♒38 | 1♑10 | 26♒35 | 26♐51 | 12♓28 | 12♓ 0 | 23♈52 | 3♒ 4 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14s31 | 8n16 | 0n28 | 22s11 | 2s58 | 26s43 | 3s28 | 2n34 | 1n21 | 17s30 | 0s43 | 15s31 | 1s 1 | 23s29 | 0s10 | 12s47 | 0s10 | 13s 7 | 10n 8 | 5s49 | 6s26 | 10n54 | 12s43 | 7n 8 |
| S 2 | 14 50 | 1 30 | 0s49 | 21 56 | 2 50 | 26 47 | 3 30 | 2 19 | 1 21 | 17 28 | 0 43 | 15 31 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 8 | 10 7 | 5 49 | 6 28 | 10 57 | 12 43 | 7 8 |
| S 3 | 15 8 | 5s31 | 2 5 | 21 37 | 2 39 | 26 51 | 3 33 | 2 5 | 1 22 | 17 27 | 0 43 | 15 31 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 8 | 10 7 | 5 50 | 6 29 | 11 0 | 12 44 | 7 7 |
| M 4 | 15 27 | 12 20 | 3 13 | 21 15 | 2 27 | 26 53 | 3 35 | 1 51 | 1 22 | 17 25 | 0 43 | 15 30 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 9 | 10 7 | 5 52 | 6 30 | 11 3 | 12 44 | 7 7 |
| T 5 | 15 45 | 18 28 | 4 8 | 20 48 | 2 13 | 26 56 | 3 37 | 1 36 | 1 22 | 17 24 | 0 43 | 15 30 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 9 | 10 7 | 5 54 | 6 31 | 11 7 | 12 44 | 7 6 |
| W 6 | 16 2 | 23 25 | 4 46 | 20 18 | 1 57 | 26 57 | 3 39 | 1 22 | 1 22 | 17 22 | 0 43 | 15 30 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 9 | 10 6 | 5 58 | 6 32 | 11 10 | 12 44 | 7 5 |
| T 7 | 16 20 | 26 44 | 5 3 | 19 44 | 1 40 | 26 58 | 3 41 | 1 8 | 1 22 | 17 21 | 0 43 | 15 29 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 10 | 10 6 | 6 1 | 6 34 | 11 13 | 12 44 | 7 5 |
| F 8 | 16 37 | 28 10 | 5 0 | 19 8 | 1 21 | 26 59 | 3 42 | 0 53 | 1 23 | 17 19 | 0 43 | 15 29 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 10 | 10 6 | 6 5 | 6 35 | 11 16 | 12 44 | 7 4 |
| S 9 | 16 54 | 27 42 | 4 39 | 18 29 | 1 1 | 26 59 | 3 44 | 0 39 | 1 23 | 17 17 | 0 43 | 15 28 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 10 | 10 5 | 6 8 | 6 36 | 11 19 | 12 44 | 7 4 |
| S 10 | 17 11 | 25 34 | 4 2 | 17 48 | 0 41 | 26 58 | 3 45 | 0 25 | 1 23 | 17 15 | 0 43 | 15 28 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 11 | 10 5 | 6 10 | 6 37 | 11 22 | 12 44 | 7 3 |
| M11 | 17 27 | 22 6 | 3 14 | 17 7 | 0 20 | 26 57 | 3 46 | 0 11 | 1 23 | 17 14 | 0 43 | 15 27 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 11 | 10 5 | 6 11 | 6 39 | 11 25 | 12 44 | 7 3 |
| T 12 | 17 43 | 17 41 | 2 17 | 16 27 | 0n 0 | 26 55 | 3 47 | 0s 4 | 1 23 | 17 12 | 0 43 | 15 26 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 11 | 10 4 | 6 11 | 6 40 | 11 29 | 12 44 | 7 2 |
| W13 | 17 59 | 12 39 | 1 16 | 15 49 | 0 20 | 26 53 | 3 48 | 0 18 | 1 23 | 17 10 | 0 42 | 15 26 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 12 | 10 4 | 6 11 | 6 41 | 11 32 | 12 44 | 7 2 |
| T 14 | 18 14 | 7 14 | 0 12 | 15 13 | 0 39 | 26 50 | 3 49 | 0 32 | 1 24 | 17 8 | 0 42 | 15 25 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 12 | 10 4 | 6 11 | 6 42 | 11 35 | 12 44 | 7 1 |
| F 15 | 18 29 | 1 39 | 0n51 | 14 42 | 0 57 | 26 46 | 3 50 | 0 46 | 1 24 | 17 6 | 0 42 | 15 24 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 12 | 10 4 | 6 11 | 6 43 | 11 38 | 12 43 | 7 1 |
| S 16 | 18 44 | 3n56 | 1 51 | 14 14 | 1 13 | 26 42 | 3 50 | 1 0 | 1 24 | 17 4 | 0 42 | 15 24 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 13 | 10 3 | 6 12 | 6 45 | 11 41 | 12 43 | 7 0 |
| S 17 | 18 59 | 9 23 | 2 47 | 13 52 | 1 27 | 26 38 | 3 50 | 1 14 | 1 24 | 17 2 | 0 42 | 15 23 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 13 | 10 3 | 6 14 | 6 46 | 11 44 | 12 43 | 7 0 |
| M18 | 19 13 | 14 31 | 3 35 | 13 35 | 1 40 | 26 33 | 3 50 | 1 28 | 1 24 | 16 59 | 0 42 | 15 22 | 1 1 | 23 29 | 0 10 | 12 47 | 0 10 | 13 13 | 10 3 | 6 17 | 6 47 | 11 47 | 12 43 | 6 59 |
| T 19 | 19 26 | 19 8 | 4 14 | 13 24 | 1 51 | 26 27 | 3 50 | 1 42 | 1 24 | 16 57 | 0 42 | 15 21 | 1 0 | 23 29 | 0 10 | 12 47 | 0 10 | 13 14 | 10 3 | 6 21 | 6 48 | 11 51 | 12 43 | 6 59 |
| W20 | 19 40 | 23 2 | 4 42 | 13 17 | 1 59 | 26 21 | 3 50 | 1 56 | 1 25 | 16 55 | 0 42 | 15 20 | 1 0 | 23 29 | 0 10 | 12 46 | 0 10 | 13 14 | 10 2 | 6 26 | 6 49 | 11 54 | 12 43 | 6 58 |
| T 21 | 19 53 | 25 58 | 4 57 | 13 16 | 2 6 | 26 15 | 3 49 | 2 10 | 1 25 | 16 53 | 0 42 | 15 19 | 1 0 | 23 29 | 0 10 | 12 46 | 0 10 | 13 14 | 10 2 | 6 31 | 6 51 | 11 57 | 12 42 | 6 58 |
| F 22 | 20 6 | 27 43 | 4 59 | 13 19 | 2 12 | 26 8 | 3 49 | 2 24 | 1 25 | 16 50 | 0 42 | 15 19 | 1 0 | 23 29 | 0 10 | 12 46 | 0 10 | 13 14 | 10 2 | 6 36 | 6 52 | 12 0 | 12 42 | 6 57 |
| S 23 | 20 18 | 28 6 | 4 47 | 13 26 | 2 15 | 26 1 | 3 48 | 2 38 | 1 25 | 16 48 | 0 42 | 15 18 | 1 0 | 23 29 | 0 10 | 12 46 | 0 10 | 13 15 | 10 2 | 6 41 | 6 53 | 12 3 | 12 42 | 6 57 |
| S 24 | 20 30 | 27 0 | 4 20 | 13 37 | 2 18 | 25 53 | 3 47 | 2 52 | 1 25 | 16 45 | 0 42 | 15 17 | 1 0 | 23 29 | 0 10 | 12 46 | 0 10 | 13 15 | 10 1 | 6 45 | 6 54 | 12 6 | 12 41 | 6 56 |
| M25 | 20 42 | 24 28 | 3 40 | 13 51 | 2 19 | 25 45 | 3 45 | 3 5 | 1 25 | 16 43 | 0 42 | 15 16 | 1 0 | 23 29 | 0 10 | 12 46 | 0 10 | 13 15 | 10 1 | 6 48 | 6 55 | 12 9 | 12 41 | 6 56 |
| T 26 | 20 53 | 20 38 | 2 48 | 14 8 | 2 19 | 25 36 | 3 44 | 3 19 | 1 25 | 16 40 | 0 42 | 15 15 | 1 0 | 23 29 | 0 10 | 12 45 | 0 10 | 13 16 | 10 1 | 6 50 | 6 57 | 12 12 | 12 41 | 6 55 |
| W27 | 21 4 | 15 42 | 1 45 | 14 27 | 2 17 | 25 27 | 3 42 | 3 33 | 1 26 | 16 38 | 0 42 | 15 14 | 1 0 | 23 29 | 0 10 | 12 45 | 0 10 | 13 16 | 10 1 | 6 50 | 6 58 | 12 15 | 12 41 | 6 55 |
| T 28 | 21 14 | 9 54 | 0 36 | 14 48 | 2 15 | 25 18 | 3 40 | 3 46 | 1 26 | 16 35 | 0 42 | 15 12 | 1 0 | 23 29 | 0 10 | 12 45 | 0 10 | 13 16 | 10 1 | 6 50 | 6 59 | 12 18 | 12 40 | 6 54 |
| F 29 | 21 25 | 3 31 | 0s38 | 15 11 | 2 12 | 25 8 | 3 38 | 4 0 | 1 26 | 16 32 | 0 42 | 15 11 | 1 0 | 23 29 | 0 10 | 12 45 | 0 10 | 13 16 | 10 0 | 6 50 | 7 0 | 12 22 | 12 40 | 6 54 |
| S 30 | 21s34 | 3s11 | 1s50 | 15s35 | 2n 9 | 24s58 | 3s35 | 4s13 | 1n26 | 16s30 | 0s42 | 15s10 | 1s 0 | 23s29 | 0s10 | 12s44 | 0s10 | 13s17 | 10n 0 | 6s51 | 7s 1 | 12n25 | 12s39 | 6n53 |

Julian Day Number = 2814535.5, Delta T = 54m12s
Ecliptic obliquity = 23°18'47, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°39'10, Lahiri = 37°46'10


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# ASTRODIENST EPHEMERIS for the year 2993
# geocentric

## DECEMBER 2993 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 42 54 | 9♐17'20 | 18♎17 | 21♏18 | 23♑18 | 14♎44 | 16♒35 | 21♒42 | 1♑13 | 26♒36 | 26♐54 | 12°R25 | 11♓57 | 23♈59 | 3♒ 7 | S 1 |
| M 2 | 4 46 50 | 10°17'45 | 3♏ 0 | 22°40 | 24° 2 | 15°19 | 16°45 | 21°45 | 1°17 | 26°37 | 26°56 | 12♓19 | 11°54 | 24° 5 | 3°11 | M 2 |
| T 3 | 4 50 47 | 11°18'12 | 17°53 | 24° 4 | 24°45 | 15°54 | 16°54 | 21°49 | 1°20 | 26°38 | 26°58 | 12°10 | 11°51 | 24°12 | 3°15 | T 3 |
| W 4 | 4 54 43 | 12°18'41 | 2♐46 | 25°30 | 25°27 | 16°30 | 17° 4 | 21°53 | 1°24 | 26°39 | 27° 0 | 11°59 | 11°47 | 24°19 | 3°19 | W 4 |
| T 5 | 4 58 40 | 13°19'11 | 17°31 | 26°58 | 26° 7 | 17° 5 | 17°13 | 21°57 | 1°27 | 26°40 | 27° 3 | 11°46 | 11°44 | 24°25 | 3°23 | T 5 |
| F 6 | 5 2 37 | 14°19'43 | 1♑59 | 28°26 | 26°47 | 17°40 | 17°23 | 22° 1 | 1°31 | 26°41 | 27° 5 | 11°34 | 11°41 | 24°32 | 3°27 | F 6 |
| S 7 | 5 6 33 | 15°20'16 | 16° 5 | 29°56 | 27°25 | 18°15 | 17°33 | 22° 5 | 1°34 | 26°42 | 27° 7 | 11°24 | 11°38 | 24°39 | 3°32 | S 7 |
| S 8 | 5 10 30 | 16°20'50 | 29°43 | 1♐27 | 28° 2 | 18°50 | 17°43 | 22° 9 | 1°38 | 26°43 | 27°10 | 11°16 | 11°35 | 24°45 | 3°36 | S 8 |
| M 9 | 5 14 26 | 17°21'26 | 12♒54 | 2°58 | 28°38 | 19°25 | 17°53 | 22°13 | 1°42 | 26°44 | 27°12 | 11°11 | 11°31 | 24°52 | 3°40 | M 9 |
| T 10 | 5 18 23 | 18°22'02 | 25°40 | 4°30 | 29°12 | 20° 0 | 18° 3 | 22°18 | 1°45 | 26°45 | 27°14 | 11° 9 | 11°28 | 24°59 | 3°44 | T 10 |
| W11 | 5 22 19 | 19°22'40 | 8♓ 3 | 6° 2 | 29°45 | 20°35 | 18°14 | 22°22 | 1°49 | 26°46 | 27°16 | 11°D 8 | 11°25 | 25° 5 | 3°49 | W11 |
| T 12 | 5 26 16 | 20°23'19 | 20°10 | 7°34 | 0♒17 | 21°10 | 18°24 | 22°27 | 1°52 | 26°47 | 27°19 | 11°R 8 | 11°22 | 25°12 | 3°53 | T 12 |
| F 13 | 5 30 12 | 21°23'58 | 2♈ 5 | 9° 7 | 0°47 | 21°45 | 18°35 | 22°31 | 1°56 | 26°48 | 27°21 | 11° 7 | 11°19 | 25°19 | 3°58 | F 13 |
| S 14 | 5 34 9 | 22°24'39 | 13°55 | 10°40 | 1°15 | 22°19 | 18°46 | 22°36 | 2° 0 | 26°49 | 27°23 | 11° 6 | 11°16 | 25°25 | 4° 2 | S 14 |
| S 15 | 5 38 6 | 23°25'21 | 25°44 | 12°14 | 1°42 | 22°54 | 18°56 | 22°40 | 2° 3 | 26°51 | 27°26 | 11° 1 | 11°12 | 25°32 | 4° 7 | S 15 |
| M16 | 5 42 2 | 24°26'04 | 7♉36 | 13°47 | 2° 7 | 23°29 | 19° 7 | 22°45 | 2° 7 | 26°52 | 27°28 | 10°54 | 11° 9 | 25°39 | 4°11 | M16 |
| T 17 | 5 45 59 | 25°26'48 | 19°37 | 15°20 | 2°30 | 24° 3 | 19°18 | 22°50 | 2°11 | 26°53 | 27°30 | 10°44 | 11° 6 | 25°45 | 4°16 | T 17 |
| W18 | 5 49 55 | 26°27'33 | 1♊48 | 16°54 | 2°51 | 24°38 | 19°29 | 22°55 | 2°14 | 26°55 | 27°33 | 10°32 | 11° 3 | 25°52 | 4°20 | W18 |
| T 19 | 5 53 52 | 27°28'19 | 14°11 | 18°27 | 3°10 | 25°12 | 19°41 | 23° 0 | 2°18 | 26°56 | 27°35 | 10°19 | 11° 0 | 25°59 | 4°25 | T 19 |
| F 20 | 5 57 48 | 28°29'06 | 26°47 | 20° 1 | 3°28 | 25°46 | 19°52 | 23° 5 | 2°22 | 26°57 | 27°37 | 10° 6 | 10°57 | 26° 5 | 4°30 | F 20 |
| S 21 | 6 1 45 | 29°29'54 | 9♋35 | 21°35 | 3°43 | 26°20 | 20° 3 | 23°10 | 2°25 | 26°59 | 27°40 | 9°54 | 10°53 | 26°12 | 4°35 | S 21 |
| S 22 | 6 5 42 | 0♑30'44 | 22°36 | 23° 8 | 3°56 | 26°55 | 20°15 | 23°15 | 2°29 | 27° 0 | 27°42 | 9°44 | 10°50 | 26°19 | 4°39 | S 22 |
| M23 | 6 9 38 | 1°31'34 | 5♌48 | 24°42 | 4° 7 | 27°29 | 20°27 | 23°21 | 2°33 | 27° 2 | 27°44 | 9°36 | 10°47 | 26°26 | 4°44 | M23 |
| T 24 | 6 13 35 | 2°32'25 | 19°10 | 26°16 | 4°16 | 28° 3 | 20°38 | 23°26 | 2°36 | 27° 3 | 27°46 | 9°32 | 10°44 | 26°32 | 4°49 | T 24 |
| W25 | 6 17 31 | 3°33'18 | 2♍41 | 27°49 | 4°22 | 28°37 | 20°50 | 23°31 | 2°40 | 27° 5 | 27°49 | 9°30 | 10°41 | 26°39 | 4°54 | W25 |
| T 26 | 6 21 28 | 4°34'12 | 16°23 | 29°23 | 4°27 | 29°11 | 21° 2 | 23°37 | 2°44 | 27° 6 | 27°51 | 9°D30 | 10°37 | 26°46 | 4°59 | T 26 |
| F 27 | 6 25 24 | 5°35'07 | 0♎15 | 0♑57 | 4°R28 | 29°45 | 21°14 | 23°42 | 2°47 | 27° 8 | 27°53 | 9°R31 | 10°34 | 26°52 | 5° 4 | F 27 |
| S 28 | 6 29 21 | 6°36'03 | 14°18 | 2°31 | 4°28 | 0♏18 | 21°26 | 23°48 | 2°51 | 27° 9 | 27°56 | 9°30 | 10°31 | 26°59 | 5° 9 | S 28 |
| S 29 | 6 33 17 | 7°37'00 | 28°31 | 4° 5 | 4°25 | 0°52 | 21°38 | 23°54 | 2°55 | 27°11 | 27°58 | 9°29 | 10°28 | 27° 6 | 5°14 | S 29 |
| M30 | 6 37 14 | 8°37'59 | 12♏51 | 5°39 | 4°19 | 1°26 | 21°50 | 23°59 | 2°58 | 27°13 | 28° 0 | 9°24 | 10°25 | 27°12 | 5°19 | M30 |
| T 31 | 6 41 11 | 9♑38'59 | 27♏17 | 7♑13 | 4♒11 | 1♏59 | 22♒ 2 | 24♒ 5 | 3♑ 2 | 27♒14 | 28♐ 3 | 9♓17 | 10♓22 | 27♈19 | 5♒24 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21 s44 | 9 s52 | 2 s57 | 15 s59 | 2n 4 | 24 s48 | 3 s32 | 4 s27 | 1n26 | 16 s27 | 0 s42 | 15 s 9 | 1 s 0 | 23 s29 | 0 s10 | 12 s44 | 0 s10 | 13 s17 | 10n 0 | 6 s52 | 7 s 3 | 12n28 | 12 s39 | 6n53 |
| M 2 | 21 52 | 16 6 | 3 53 | 16 25 | 2 0 | 24 37 | 3 29 | 4 40 | 1 26 | 16 24 | 0 42 | 15 8 | 1 0 | 23 29 | 0 10 | 12 44 | 0 10 | 13 17 | 10 0 | 6 54 | 7 4 | 12 31 | 12 38 | 6 53 |
| T 3 | 22 1 | 21 27 | 4 34 | 16 51 | 1 54 | 24 26 | 3 26 | 4 54 | 1 26 | 16 21 | 0 42 | 15 7 | 1 0 | 23 28 | 0 10 | 12 44 | 0 10 | 13 17 | 10 0 | 6 58 | 7 5 | 12 34 | 12 38 | 6 52 |
| W 4 | 22 9 | 25 27 | 4 56 | 17 17 | 1 49 | 24 15 | 3 22 | 5 7 | 1 26 | 16 18 | 0 42 | 15 5 | 1 0 | 23 28 | 0 10 | 12 43 | 0 10 | 13 17 | 9 59 | 7 2 | 7 6 | 12 37 | 12 38 | 6 52 |
| T 5 | 22 17 | 27 41 | 4 59 | 17 43 | 1 43 | 24 3 | 3 18 | 5 20 | 1 27 | 16 15 | 0 42 | 15 4 | 1 0 | 23 28 | 0 10 | 12 43 | 0 10 | 13 18 | 9 59 | 7 7 | 7 7 | 12 40 | 12 37 | 6 51 |
| F 6 | 22 24 | 27 59 | 4 41 | 18 8 | 1 36 | 23 52 | 3 14 | 5 34 | 1 27 | 16 12 | 0 42 | 15 3 | 1 0 | 23 28 | 0 10 | 12 43 | 0 10 | 13 18 | 9 59 | 7 11 | 7 9 | 12 43 | 12 37 | 6 51 |
| S 7 | 22 31 | 26 27 | 4 8 | 18 34 | 1 30 | 23 40 | 3 9 | 5 47 | 1 27 | 16 9 | 0 42 | 15 1 | 1 0 | 23 28 | 0 10 | 12 42 | 0 10 | 13 18 | 9 59 | 7 15 | 7 10 | 12 46 | 12 36 | 6 51 |
| S 8 | 22 37 | 23 22 | 3 20 | 18 59 | 1 23 | 23 27 | 3 4 | 6 0 | 1 27 | 16 6 | 0 42 | 15 0 | 1 0 | 23 28 | 0 10 | 12 42 | 0 10 | 13 18 | 9 59 | 7 18 | 7 11 | 12 49 | 12 35 | 6 50 |
| M 9 | 22 43 | 19 9 | 2 23 | 19 24 | 1 16 | 23 15 | 2 59 | 6 13 | 1 27 | 16 3 | 0 42 | 14 59 | 1 0 | 23 28 | 0 10 | 12 42 | 0 10 | 13 18 | 9 59 | 7 20 | 7 12 | 12 52 | 12 35 | 6 50 |
| T 10 | 22 48 | 14 10 | 1 21 | 19 47 | 1 9 | 23 2 | 2 54 | 6 26 | 1 27 | 16 0 | 0 42 | 14 57 | 1 0 | 23 28 | 0 10 | 12 41 | 0 10 | 13 19 | 9 59 | 7 21 | 7 13 | 12 55 | 12 34 | 6 49 |
| W11 | 22 53 | 8 45 | 0 16 | 20 11 | 1 2 | 22 50 | 2 48 | 6 39 | 1 27 | 15 57 | 0 42 | 14 56 | 1 0 | 23 28 | 0 10 | 12 41 | 0 10 | 13 19 | 9 58 | 7 21 | 7 15 | 12 58 | 12 34 | 6 49 |
| T 12 | 22 58 | 3 9 | 0n48 | 20 33 | 0 55 | 22 37 | 2 42 | 6 52 | 1 27 | 15 54 | 0 42 | 14 54 | 1 0 | 23 28 | 0 10 | 12 41 | 0 10 | 13 19 | 9 58 | 7 21 | 7 16 | 13 1 | 12 33 | 6 49 |
| F 13 | 23 2 | 2n29 | 1 49 | 20 55 | 0 48 | 22 24 | 2 35 | 7 5 | 1 27 | 15 50 | 0 42 | 14 53 | 1 0 | 23 28 | 0 10 | 12 40 | 0 10 | 13 19 | 9 58 | 7 21 | 7 17 | 13 4 | 12 32 | 6 48 |
| S 14 | 23 6 | 7 59 | 2 44 | 21 16 | 0 41 | 22 11 | 2 28 | 7 17 | 1 28 | 15 47 | 0 42 | 14 51 | 1 0 | 23 28 | 0 10 | 12 40 | 0 10 | 13 19 | 9 58 | 7 22 | 7 18 | 13 7 | 12 32 | 6 48 |
| S 15 | 23 9 | 13 12 | 3 33 | 21 35 | 0 33 | 21 58 | 2 21 | 7 30 | 1 28 | 15 44 | 0 42 | 14 50 | 1 0 | 23 28 | 0 10 | 12 39 | 0 10 | 13 19 | 9 58 | 7 24 | 7 19 | 13 10 | 12 31 | 6 48 |
| M16 | 23 12 | 17 57 | 4 12 | 21 54 | 0 26 | 21 44 | 2 13 | 7 43 | 1 28 | 15 40 | 0 42 | 14 48 | 1 0 | 23 28 | 0 10 | 12 39 | 0 10 | 13 20 | 9 58 | 7 26 | 7 21 | 13 14 | 12 30 | 6 47 |
| T 17 | 23 14 | 22 3 | 4 41 | 22 12 | 0 19 | 21 31 | 2 5 | 7 55 | 1 28 | 15 37 | 0 42 | 14 47 | 1 0 | 23 28 | 0 10 | 12 39 | 0 10 | 13 20 | 9 58 | 7 30 | 7 22 | 13 17 | 12 30 | 6 47 |
| W18 | 23 16 | 25 16 | 4 57 | 22 29 | 0 12 | 21 18 | 1 56 | 8 8 | 1 28 | 15 33 | 0 42 | 14 45 | 1 0 | 23 28 | 0 10 | 12 38 | 0 10 | 13 20 | 9 58 | 7 35 | 7 23 | 13 20 | 12 29 | 6 47 |
| T 19 | 23 17 | 27 21 | 5 0 | 22 44 | 0 5 | 21 5 | 1 47 | 8 20 | 1 28 | 15 30 | 0 42 | 14 43 | 1 0 | 23 28 | 0 10 | 12 38 | 0 10 | 13 20 | 9 58 | 7 40 | 7 24 | 13 23 | 12 28 | 6 46 |
| F 20 | 23 18 | 28 5 | 4 48 | 22 59 | 0 s 2 | 20 52 | 1 38 | 8 32 | 1 28 | 15 26 | 0 42 | 14 42 | 1 0 | 23 28 | 0 10 | 12 37 | 0 10 | 13 20 | 9 57 | 7 45 | 7 25 | 13 26 | 12 27 | 6 46 |
| S 21 | 23 19 | 27 19 | 4 22 | 23 12 | 0 9 | 20 39 | 1 28 | 8 45 | 1 28 | 15 23 | 0 42 | 14 40 | 1 0 | 23 28 | 0 10 | 12 37 | 0 10 | 13 20 | 9 57 | 7 49 | 7 27 | 13 29 | 12 27 | 6 46 |
| S 22 | 23 19 | 25 4 | 3 42 | 23 24 | 0 16 | 20 26 | 1 18 | 8 57 | 1 28 | 15 19 | 0 42 | 14 38 | 1 0 | 23 28 | 0 10 | 12 36 | 0 10 | 13 20 | 9 57 | 7 53 | 7 28 | 13 32 | 12 26 | 6 45 |
| M23 | 23 18 | 21 27 | 2 49 | 23 35 | 0 23 | 20 13 | 1 7 | 9 9 | 1 28 | 15 15 | 0 42 | 14 36 | 1 0 | 23 28 | 0 10 | 12 36 | 0 10 | 13 20 | 9 57 | 7 56 | 7 29 | 13 35 | 12 25 | 6 45 |
| T 24 | 23 17 | 16 41 | 1 46 | 23 45 | 0 30 | 20 0 | 0 56 | 9 21 | 1 28 | 15 12 | 0 41 | 14 35 | 1 0 | 23 28 | 0 10 | 12 35 | 0 10 | 13 21 | 9 57 | 7 57 | 7 30 | 13 38 | 12 24 | 6 45 |
| W25 | 23 16 | 11 1 | 0 36 | 23 54 | 0 36 | 19 47 | 0 44 | 9 33 | 1 28 | 15 8 | 0 41 | 14 33 | 1 0 | 23 27 | 0 10 | 12 35 | 0 10 | 13 21 | 9 57 | 7 58 | 7 31 | 13 41 | 12 23 | 6 45 |
| T 26 | 23 14 | 4 47 | 0 s37 | 24 1 | 0 43 | 19 34 | 0 32 | 9 45 | 1 28 | 15 4 | 0 41 | 14 31 | 1 0 | 23 27 | 0 10 | 12 34 | 0 10 | 13 21 | 9 57 | 7 58 | 7 33 | 13 44 | 12 22 | 6 44 |
| F 27 | 23 12 | 1 s46 | 1 48 | 24 7 | 0 49 | 19 22 | 0 20 | 9 56 | 1 29 | 15 0 | 0 41 | 14 29 | 1 0 | 23 27 | 0 10 | 12 34 | 0 10 | 13 21 | 9 57 | 7 58 | 7 34 | 13 47 | 12 21 | 6 44 |
| S 28 | 23 9 | 8 17 | 2 54 | 24 12 | 0 55 | 19 10 | 0 7 | 10 8 | 1 29 | 14 56 | 0 41 | 14 27 | 1 0 | 23 27 | 0 10 | 12 33 | 0 10 | 13 21 | 9 57 | 7 58 | 7 35 | 13 50 | 12 21 | 6 44 |
| S 29 | 23 6 | 14 29 | 3 50 | 24 16 | 1 1 | 18 58 | 0n 6 | 10 20 | 1 29 | 14 52 | 0 41 | 14 26 | 1 0 | 23 27 | 0 10 | 12 33 | 0 10 | 13 21 | 9 57 | 7 59 | 7 36 | 13 53 | 12 20 | 6 44 |
| M30 | 23 2 | 19 56 | 4 33 | 24 18 | 1 7 | 18 46 | 0 20 | 10 31 | 1 29 | 14 49 | 0 41 | 14 24 | 1 0 | 23 27 | 0 10 | 12 32 | 0 10 | 13 21 | 9 57 | 8 0 | 7 37 | 13 56 | 12 19 | 6 43 |
| T 31 | 22 s58 | 24 s17 | 4 s58 | 24 s19 | 1 s12 | 18 s34 | 0n34 | 10 s43 | 1n29 | 14 s45 | 0 s41 | 14 s22 | 1 s 0 | 23 s27 | 0 s10 | 12 s31 | 0 s10 | 13 s21 | 9n57 | 8 s 3 | 7 s39 | 13n59 | 12 s18 | 6n43 |

Julian Day Number = 2814565.5, Delta T = 54m12s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°39'14, Lahiri = 37°46'15


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# ASTRODIENST EPHEMERIS for the year 2994
# geocentric

## JANUARY 2994 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 6 45 7 | 10♑39'59 | 11♐43 | 8♑47 | 4°R 0 | 2♏32 | 22♒15 | 24♒11 | 3♑ 6 | 27♒16 | 28♐ 5 | 9°R 9 | 10♓18 | 27♈26 | 5♒29 | W 1 |
| T 2 | 6 49 4 | 11°41'01 | 26° 3 | 10°22 | 3♒47 | 3° 6 | 22°27 | 24°17 | 3° 9 | 27°18 | 28° 7 | 8♓59 | 10°15 | 27°32 | 5°34 | T 2 |
| F 3 | 6 53 0 | 12°42'03 | 10♑12 | 11°56 | 3°32 | 3°39 | 22°40 | 24°23 | 3°13 | 27°19 | 28° 9 | 8°49 | 10°12 | 27°39 | 5°39 | F 3 |
| S 4 | 6 56 57 | 13°43'06 | 24° 2 | 13°31 | 3°14 | 4°12 | 22°52 | 24°29 | 3°17 | 27°21 | 28°12 | 8°40 | 10° 9 | 27°46 | 5°45 | S 4 |
| S 5 | 7 0 53 | 14°44'09 | 7♒32 | 15° 6 | 2°54 | 4°45 | 23° 5 | 24°35 | 3°20 | 27°23 | 28°14 | 8°34 | 10° 6 | 27°52 | 5°50 | S 5 |
| M 6 | 7 4 50 | 15°45'13 | 20°40 | 16°41 | 2°32 | 5°18 | 23°18 | 24°41 | 3°24 | 27°25 | 28°16 | 8°30 | 10° 3 | 27°59 | 5°55 | M 6 |
| T 7 | 7 8 46 | 16°46'17 | 3♓25 | 18°17 | 2° 7 | 5°51 | 23°30 | 24°47 | 3°27 | 27°26 | 28°18 | 8°D28 | 9°59 | 28° 6 | 6° 0 | T 7 |
| W 8 | 7 12 43 | 17°47'21 | 15°50 | 19°52 | 1°40 | 6°24 | 23°43 | 24°53 | 3°31 | 27°28 | 28°21 | 8°28 | 9°56 | 28°13 | 6° 6 | W 8 |
| T 9 | 7 16 40 | 18°48'25 | 27°59 | 21°28 | 1°12 | 6°57 | 23°56 | 24°59 | 3°35 | 27°30 | 28°23 | 8°29 | 9°53 | 28°19 | 6°11 | T 9 |
| F 10 | 7 20 36 | 19°49'30 | 9♈56 | 23° 4 | 0°41 | 7°29 | 24° 9 | 25° 6 | 3°38 | 27°32 | 28°25 | 8°31 | 9°50 | 28°26 | 6°16 | F 10 |
| S 11 | 7 24 33 | 20°50'35 | 21°48 | 24°40 | 0°10 | 8° 2 | 24°22 | 25°12 | 3°42 | 27°34 | 28°27 | 8°R31 | 9°47 | 28°33 | 6°21 | S 11 |
| S 12 | 7 28 29 | 21°51'39 | 3♉38 | 26°17 | 29♑36 | 8°34 | 24°35 | 25°18 | 3°45 | 27°36 | 28°29 | 8°30 | 9°43 | 28°39 | 6°27 | S 12 |
| M13 | 7 32 26 | 22°52'44 | 15°32 | 27°53 | 29° 2 | 9° 7 | 24°49 | 25°25 | 3°49 | 27°38 | 28°31 | 8°27 | 9°40 | 28°46 | 6°32 | M13 |
| T 14 | 7 36 22 | 23°53'49 | 27°35 | 29°30 | 28°26 | 9°39 | 25° 2 | 25°31 | 3°52 | 27°40 | 28°34 | 8°23 | 9°37 | 28°53 | 6°37 | T 14 |
| W15 | 7 40 19 | 24°54'54 | 9♊50 | 1♒ 8 | 27°50 | 10°11 | 25°15 | 25°38 | 3°56 | 27°42 | 28°36 | 8°16 | 9°34 | 28°59 | 6°43 | W15 |
| T 16 | 7 44 15 | 25°55'59 | 22°21 | 2°45 | 27°14 | 10°43 | 25°28 | 25°44 | 3°59 | 27°44 | 28°38 | 8° 8 | 9°31 | 29° 6 | 6°48 | T 16 |
| F 17 | 7 48 12 | 26°57'04 | 5♋ 9 | 4°23 | 26°37 | 11°15 | 25°42 | 25°51 | 4° 3 | 27°46 | 28°40 | 8° 1 | 9°28 | 29°13 | 6°54 | F 17 |
| S 18 | 7 52 9 | 27°58'09 | 18°15 | 6° 1 | 26° 0 | 11°46 | 25°55 | 25°57 | 4° 6 | 27°48 | 28°42 | 7°53 | 9°24 | 29°19 | 6°59 | S 18 |
| S 19 | 7 56 5 | 28°59'14 | 1♌37 | 7°39 | 25°24 | 12°18 | 26° 9 | 26° 4 | 4°10 | 27°50 | 28°44 | 7°48 | 9°21 | 29°26 | 7° 4 | S 19 |
| M20 | 8 0 2 | 0♒ 0'19 | 15°13 | 9°17 | 24°48 | 12°50 | 26°22 | 26°11 | 4°13 | 27°52 | 28°46 | 7°44 | 9°18 | 29°33 | 7°10 | M20 |
| T 21 | 8 3 58 | 1° 1'24 | 29° 2 | 10°56 | 24°13 | 13°21 | 26°36 | 26°17 | 4°16 | 27°54 | 28°48 | 7°42 | 9°15 | 29°40 | 7°15 | T 21 |
| W22 | 8 7 55 | 2° 2'29 | 12♍59 | 12°34 | 23°39 | 13°52 | 26°49 | 26°24 | 4°20 | 27°56 | 28°50 | 7°D41 | 9°12 | 29°46 | 7°21 | W22 |
| T 23 | 8 11 51 | 3° 3'34 | 27° 2 | 14°13 | 23° 6 | 14°24 | 27° 3 | 26°31 | 4°23 | 27°58 | 28°52 | 7°42 | 9° 9 | 29°53 | 7°26 | T 23 |
| F 24 | 8 15 48 | 4° 4'40 | 11♎ 9 | 15°51 | 22°35 | 14°55 | 27°17 | 26°38 | 4°26 | 28° 0 | 28°54 | 7°44 | 9° 5 | 29°59 | 7°32 | F 24 |
| S 25 | 8 19 44 | 5° 5'45 | 25°18 | 17°29 | 22° 6 | 15°26 | 27°31 | 26°44 | 4°30 | 28° 2 | 28°56 | 7°45 | 9° 2 | 0♉ 6 | 7°37 | S 25 |
| S 26 | 8 23 41 | 6° 6'51 | 9♏28 | 19° 7 | 21°38 | 15°56 | 27°44 | 26°51 | 4°33 | 28° 5 | 28°58 | 7°R45 | 8°59 | 0°13 | 7°42 | S 26 |
| M27 | 8 27 38 | 7° 7'57 | 23°36 | 20°45 | 21°13 | 16°27 | 27°58 | 26°58 | 4°36 | 28° 7 | 29° 0 | 7°44 | 8°56 | 0°20 | 7°48 | M27 |
| T 28 | 8 31 34 | 8° 9'03 | 7♐40 | 22°22 | 20°50 | 16°58 | 28°12 | 27° 5 | 4°40 | 28° 9 | 29° 2 | 7°42 | 8°53 | 0°26 | 7°53 | T 28 |
| W29 | 8 35 31 | 9°10'09 | 21°39 | 23°58 | 20°28 | 17°28 | 28°26 | 27°12 | 4°43 | 28°11 | 29° 4 | 7°38 | 8°49 | 0°33 | 7°59 | W29 |
| T 30 | 8 39 27 | 10°11'15 | 5♑29 | 25°33 | 20°10 | 17°58 | 28°40 | 27°19 | 4°46 | 28°13 | 29° 6 | 7°34 | 8°46 | 0°40 | 8° 4 | T 30 |
| F 31 | 8 43 24 | 11♒12'21 | 19♑ 9 | 27♒ 6 | 19♑53 | 18♏28 | 28♒54 | 27♒26 | 4♑49 | 28♒15 | 29♐ 8 | 7♓29 | 8♓43 | 0♉46 | 8♒10 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s53 | 27s 5 | 5s 4 | 24s19 | 1s17 | 18s23 | 0n48 | 10s54 | 1n29 | 14s41 | 0s41 | 14s20 | 1s 0 | 23s27 | 0s10 | 12s31 | 0s10 | 13s21 | 9n57 | 8s 6 | 7s40 | 14n 2 | 12s17 | 6n43 |
| T 2 | 22 48 | 28 6 | 4 51 | 24 17 | 1 23 | 18 11 | 1 2 | 11 5 | 1 29 | 14 37 | 0 41 | 14 18 | 1 0 | 23 27 | 0 10 | 12 30 | 0 10 | 13 21 | 9 57 | 8 10 | 7 41 | 14 5 | 12 16 | 6 43 |
| F 3 | 22 43 | 27 15 | 4 20 | 24 14 | 1 28 | 18 0 | 1 17 | 11 16 | 1 29 | 14 33 | 0 41 | 14 16 | 1 0 | 23 27 | 0 10 | 12 30 | 0 10 | 13 21 | 9 57 | 8 13 | 7 42 | 14 8 | 12 15 | 6 42 |
| S 4 | 22 37 | 24 43 | 3 35 | 24 10 | 1 32 | 17 50 | 1 33 | 11 27 | 1 29 | 14 28 | 0 41 | 14 14 | 1 0 | 23 27 | 0 10 | 12 29 | 0 10 | 13 21 | 9 57 | 8 16 | 7 43 | 14 11 | 12 14 | 6 42 |
| S 5 | 22 30 | 20 50 | 2 38 | 24 4 | 1 37 | 17 39 | 1 48 | 11 38 | 1 29 | 14 24 | 0 41 | 14 12 | 1 0 | 23 27 | 0 10 | 12 29 | 0 10 | 13 21 | 9 57 | 8 19 | 7 45 | 14 13 | 12 13 | 6 42 |
| M 6 | 22 23 | 16 1 | 1 34 | 23 57 | 1 41 | 17 29 | 2 3 | 11 49 | 1 29 | 14 20 | 0 42 | 14 10 | 1 0 | 23 27 | 0 10 | 12 28 | 0 10 | 13 21 | 9 57 | 8 20 | 7 46 | 14 16 | 12 12 | 6 42 |
| T 7 | 22 16 | 10 38 | 0 27 | 23 49 | 1 45 | 17 19 | 2 19 | 12 0 | 1 29 | 14 16 | 0 42 | 14 8 | 1 0 | 23 26 | 0 10 | 12 27 | 0 10 | 13 21 | 9 57 | 8 21 | 7 47 | 14 19 | 12 11 | 6 42 |
| W 8 | 22 8 | 4 57 | 0n40 | 23 39 | 1 49 | 17 10 | 2 35 | 12 11 | 1 29 | 14 12 | 0 42 | 14 6 | 1 0 | 23 26 | 0 10 | 12 27 | 0 10 | 13 21 | 9 57 | 8 21 | 7 48 | 14 22 | 12 9 | 6 41 |
| T 9 | 22 0 | 0n47 | 1 43 | 23 28 | 1 52 | 17 1 | 2 51 | 12 21 | 1 29 | 14 8 | 0 42 | 14 4 | 1 0 | 23 26 | 0 10 | 12 26 | 0 10 | 13 21 | 9 57 | 8 21 | 7 49 | 14 25 | 12 8 | 6 41 |
| F 10 | 21 51 | 6 24 | 2 41 | 23 15 | 1 56 | 16 52 | 3 6 | 12 32 | 1 29 | 14 3 | 0 42 | 14 2 | 1 0 | 23 26 | 0 10 | 12 25 | 0 10 | 13 21 | 9 57 | 8 20 | 7 51 | 14 28 | 12 7 | 6 41 |
| S 11 | 21 42 | 11 44 | 3 32 | 23 1 | 1 59 | 16 43 | 3 22 | 12 42 | 1 29 | 13 59 | 0 42 | 14 0 | 1 0 | 23 26 | 0 10 | 12 25 | 0 10 | 13 21 | 9 57 | 8 20 | 7 52 | 14 31 | 12 6 | 6 41 |
| S 12 | 21 33 | 16 38 | 4 14 | 22 46 | 2 1 | 16 35 | 3 37 | 12 53 | 1 29 | 13 55 | 0 42 | 13 58 | 1 0 | 23 26 | 0 10 | 12 24 | 0 10 | 13 21 | 9 57 | 8 20 | 7 53 | 14 34 | 12 5 | 6 41 |
| M13 | 21 23 | 20 56 | 4 45 | 22 29 | 2 3 | 16 27 | 3 52 | 13 3 | 1 29 | 13 50 | 0 42 | 13 55 | 1 0 | 23 26 | 0 10 | 12 23 | 0 10 | 13 21 | 9 57 | 8 21 | 7 54 | 14 37 | 12 4 | 6 41 |
| T 14 | 21 13 | 24 26 | 5 3 | 22 11 | 2 5 | 16 20 | 4 7 | 13 13 | 1 29 | 13 46 | 0 42 | 13 53 | 1 0 | 23 26 | 0 10 | 12 23 | 0 10 | 13 21 | 9 57 | 8 23 | 7 55 | 14 40 | 12 3 | 6 41 |
| W15 | 21 2 | 26 54 | 5 9 | 21 52 | 2 7 | 16 13 | 4 21 | 13 23 | 1 29 | 13 41 | 0 42 | 13 51 | 1 0 | 23 26 | 0 11 | 12 22 | 0 10 | 13 21 | 9 57 | 8 26 | 7 57 | 14 43 | 12 2 | 6 41 |
| T 16 | 20 51 | 28 4 | 4 59 | 21 31 | 2 8 | 16 6 | 4 35 | 13 33 | 1 29 | 13 37 | 0 42 | 13 49 | 1 0 | 23 26 | 0 11 | 12 21 | 0 10 | 13 21 | 9 57 | 8 28 | 7 58 | 14 46 | 12 0 | 6 40 |
| F 17 | 20 39 | 27 48 | 4 35 | 21 9 | 2 9 | 16 0 | 4 49 | 13 43 | 1 29 | 13 32 | 0 42 | 13 47 | 1 0 | 23 26 | 0 11 | 12 21 | 0 10 | 13 21 | 9 57 | 8 31 | 7 59 | 14 49 | 11 59 | 6 40 |
| S 18 | 20 27 | 25 58 | 3 56 | 20 46 | 2 9 | 15 54 | 5 2 | 13 52 | 1 29 | 13 28 | 0 42 | 13 44 | 1 0 | 23 26 | 0 11 | 12 20 | 0 10 | 13 21 | 9 57 | 8 34 | 8 0 | 14 52 | 11 58 | 6 40 |
| S 19 | 20 15 | 22 40 | 3 3 | 20 21 | 2 9 | 15 48 | 5 14 | 14 2 | 1 29 | 13 23 | 0 42 | 13 42 | 1 0 | 23 25 | 0 11 | 12 19 | 0 10 | 13 21 | 9 57 | 8 36 | 8 1 | 14 55 | 11 57 | 6 40 |
| M20 | 20 3 | 18 5 | 1 59 | 19 54 | 2 9 | 15 43 | 5 25 | 14 11 | 1 29 | 13 19 | 0 42 | 13 40 | 1 0 | 23 25 | 0 11 | 12 19 | 0 10 | 13 21 | 9 57 | 8 38 | 8 2 | 14 58 | 11 55 | 6 40 |
| T 21 | 19 49 | 12 29 | 0 47 | 19 27 | 2 8 | 15 38 | 5 36 | 14 21 | 1 29 | 13 14 | 0 42 | 13 38 | 1 0 | 23 25 | 0 11 | 12 18 | 0 10 | 13 21 | 9 58 | 8 38 | 8 4 | 15 0 | 11 54 | 6 40 |
| W22 | 19 36 | 6 12 | 0s29 | 18 58 | 2 7 | 15 34 | 5 46 | 14 30 | 1 29 | 13 10 | 0 42 | 13 36 | 1 0 | 23 25 | 0 11 | 12 17 | 0 10 | 13 21 | 9 58 | 8 38 | 8 5 | 15 3 | 11 53 | 6 40 |
| T 23 | 19 22 | 0s25 | 1 44 | 18 28 | 2 5 | 15 30 | 5 55 | 14 39 | 1 29 | 13 5 | 0 42 | 13 33 | 1 0 | 23 25 | 0 11 | 12 17 | 0 10 | 13 21 | 9 58 | 8 38 | 8 6 | 15 6 | 11 52 | 6 40 |
| F 24 | 19 8 | 7 2 | 2 53 | 17 57 | 2 2 | 15 27 | 6 4 | 14 48 | 1 29 | 13 0 | 0 42 | 13 31 | 1 0 | 23 25 | 0 11 | 12 16 | 0 10 | 13 21 | 9 58 | 8 37 | 8 7 | 15 9 | 11 50 | 6 40 |
| S 25 | 18 54 | 13 19 | 3 51 | 17 24 | 1 59 | 15 24 | 6 12 | 14 57 | 1 29 | 12 56 | 0 42 | 13 29 | 1 0 | 23 25 | 0 11 | 12 15 | 0 10 | 13 21 | 9 58 | 8 37 | 8 8 | 15 12 | 11 49 | 6 40 |
| S 26 | 18 39 | 18 55 | 4 36 | 16 50 | 1 55 | 15 21 | 6 19 | 15 6 | 1 29 | 12 51 | 0 42 | 13 26 | 1 0 | 23 25 | 0 11 | 12 14 | 0 10 | 13 21 | 9 58 | 8 37 | 8 10 | 15 15 | 11 48 | 6 40 |
| M27 | 18 24 | 23 28 | 5 3 | 16 15 | 1 51 | 15 18 | 6 25 | 15 15 | 1 29 | 12 46 | 0 42 | 13 24 | 1 0 | 23 25 | 0 11 | 12 14 | 0 10 | 13 20 | 9 58 | 8 37 | 8 11 | 15 18 | 11 46 | 6 40 |
| T 28 | 18 8 | 26 37 | 5 13 | 15 39 | 1 46 | 15 16 | 6 30 | 15 24 | 1 29 | 12 42 | 0 42 | 13 22 | 1 0 | 23 25 | 0 11 | 12 13 | 0 10 | 13 20 | 9 58 | 8 38 | 8 12 | 15 21 | 11 45 | 6 40 |
| W29 | 17 52 | 28 6 | 5 3 | 15 2 | 1 40 | 15 15 | 6 35 | 15 32 | 1 28 | 12 37 | 0 42 | 13 19 | 1 0 | 23 24 | 0 11 | 12 12 | 0 10 | 13 20 | 9 58 | 8 40 | 8 13 | 15 24 | 11 44 | 6 40 |
| T 30 | 17 36 | 27 48 | 4 37 | 14 25 | 1 34 | 15 14 | 6 39 | 15 41 | 1 28 | 12 32 | 0 42 | 13 17 | 1 0 | 23 24 | 0 11 | 12 11 | 0 10 | 13 20 | 9 58 | 8 41 | 8 14 | 15 26 | 11 42 | 6 40 |
| F 31 | 17s19 | 25s49 | 3s54 | 13s46 | 1s27 | 15s13 | 6n42 | 15s49 | 1n28 | 12s27 | 0s42 | 13s15 | 1s 0 | 23s24 | 0s11 | 12s11 | 0s10 | 13s20 | 9n59 | 8s43 | 8s16 | 15n29 | 11s41 | 6n40 |

Julian Day Number = 2814596.5, Delta T = 54m13s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°39'18, Lahiri = 37°46'19


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# ASTRODIENST EPHEMERIS for the year 2994
# geocentric

## FEBRUARY 2994 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 47 20 | 12♒13'26 | 2♒34 | 28♒38 | 19°R39 | 18♏58 | 29♒ 8 | 27♒33 | 4♑52 | 28♒18 | 29♐ 9 | 7°R26 | 8♓40 | 0♉53 | 8♒15 | S 1 |
| S 2 | 8 51 17 | 13°14'31 | 15°45 | 0♓ 8 | 19♑28 | 19°28 | 29°22 | 27°40 | 4°55 | 28°20 | 29°11 | 7♓23 | 8°37 | 1° 0 | 8°20 | S 2 |
| M 3 | 8 55 14 | 14°15'35 | 28°38 | 1°35 | 19°19 | 19°58 | 29°36 | 27°47 | 4°58 | 28°22 | 29°13 | 7°21 | 8°34 | 1° 7 | 8°26 | M 3 |
| T 4 | 8 59 10 | 15°16'39 | 11♓15 | 3° 0 | 19°12 | 20°27 | 29°50 | 27°54 | 5° 1 | 28°24 | 29°15 | 7°D21 | 8°30 | 1°13 | 8°31 | T 4 |
| W 5 | 9 3 7 | 16°17'42 | 23°36 | 4°20 | 19° 8 | 20°57 | 0♓ 4 | 28° 1 | 5° 4 | 28°27 | 29°17 | 7°22 | 8°27 | 1°20 | 8°37 | W 5 |
| T 6 | 9 7 3 | 17°18'45 | 5♈44 | 5°37 | 19°D 6 | 21°26 | 0°19 | 28° 8 | 5° 7 | 28°29 | 29°18 | 7°24 | 8°24 | 1°27 | 8°42 | T 6 |
| F 7 | 9 11 0 | 18°19'46 | 17°42 | 6°48 | 19° 7 | 21°55 | 0°33 | 28°15 | 5°10 | 28°31 | 29°20 | 7°25 | 8°21 | 1°33 | 8°47 | F 7 |
| S 8 | 9 14 56 | 19°20'47 | 29°34 | 7°54 | 19°10 | 22°24 | 0°47 | 28°23 | 5°13 | 28°33 | 29°22 | 7°27 | 8°18 | 1°40 | 8°53 | S 8 |
| S 9 | 9 18 53 | 20°21'47 | 11♉25 | 8°53 | 19°16 | 22°52 | 1° 1 | 28°30 | 5°16 | 28°36 | 29°23 | 7°28 | 8°15 | 1°47 | 8°58 | S 9 |
| M10 | 9 22 49 | 21°22'45 | 23°19 | 9°45 | 19°23 | 23°21 | 1°15 | 28°37 | 5°19 | 28°38 | 29°25 | 7°R28 | 8°11 | 1°53 | 9° 4 | M10 |
| T 11 | 9 26 46 | 22°23'43 | 5♊21 | 10°28 | 19°34 | 23°49 | 1°30 | 28°44 | 5°22 | 28°40 | 29°26 | 7°27 | 8° 8 | 2° 0 | 9° 9 | T 11 |
| W12 | 9 30 43 | 23°24'40 | 17°36 | 11° 3 | 19°46 | 24°17 | 1°44 | 28°51 | 5°24 | 28°42 | 29°28 | 7°26 | 8° 5 | 2° 7 | 9°14 | W12 |
| T 13 | 9 34 39 | 24°25'36 | 0♋ 7 | 11°28 | 20° 0 | 24°45 | 1°58 | 28°58 | 5°27 | 28°45 | 29°30 | 7°25 | 8° 2 | 2°13 | 9°19 | T 13 |
| F 14 | 9 38 36 | 25°26'31 | 12°59 | 11°42 | 20°17 | 25°13 | 2°12 | 29° 6 | 5°30 | 28°47 | 29°31 | 7°23 | 7°59 | 2°20 | 9°25 | F 14 |
| S 15 | 9 42 32 | 26°27'24 | 26°13 | 11°R46 | 20°35 | 25°41 | 2°27 | 29°13 | 5°33 | 28°49 | 29°33 | 7°21 | 7°55 | 2°27 | 9°30 | S 15 |
| S 16 | 9 46 29 | 27°28'17 | 9♌49 | 11°38 | 20°55 | 26° 8 | 2°41 | 29°20 | 5°35 | 28°51 | 29°34 | 7°20 | 7°52 | 2°34 | 9°35 | S 16 |
| M17 | 9 50 25 | 28°29'08 | 23°45 | 11°19 | 21°18 | 26°35 | 2°55 | 29°27 | 5°38 | 28°54 | 29°35 | 7°19 | 7°49 | 2°40 | 9°40 | M17 |
| T 18 | 9 54 22 | 29°29'58 | 7♍59 | 10°49 | 21°42 | 27° 2 | 3°10 | 29°34 | 5°40 | 28°56 | 29°37 | 7°D19 | 7°46 | 2°47 | 9°46 | T 18 |
| W19 | 9 58 18 | 0♓30'48 | 22°25 | 10° 9 | 22° 8 | 27°29 | 3°24 | 29°41 | 5°43 | 28°58 | 29°38 | 7°19 | 7°43 | 2°54 | 9°51 | W19 |
| T 20 | 10 2 15 | 1°31'36 | 6♎58 | 9°19 | 22°35 | 27°55 | 3°38 | 29°49 | 5°45 | 29° 1 | 29°40 | 7°20 | 7°40 | 3° 0 | 9°56 | T 20 |
| F 21 | 10 6 12 | 2°32'24 | 21°32 | 8°21 | 23° 4 | 28°22 | 3°53 | 29°56 | 5°48 | 29° 3 | 29°41 | 7°20 | 7°36 | 3° 7 | 10° 1 | F 21 |
| S 22 | 10 10 8 | 3°33'10 | 6♏ 2 | 7°17 | 23°35 | 28°48 | 4° 7 | 0♓ 3 | 5°50 | 29° 5 | 29°42 | 7°21 | 7°33 | 3°14 | 10° 6 | S 22 |
| S 23 | 10 14 5 | 4°33'56 | 20°23 | 6° 9 | 24° 8 | 29°14 | 4°22 | 0°10 | 5°52 | 29° 7 | 29°43 | 7°21 | 7°30 | 3°20 | 10°11 | S 23 |
| M24 | 10 18 1 | 5°34'41 | 4♐32 | 4°58 | 24°41 | 29°39 | 4°36 | 0°17 | 5°55 | 29°10 | 29°45 | 7°R21 | 7°27 | 3°27 | 10°16 | M24 |
| T 25 | 10 21 58 | 6°35'26 | 18°28 | 3°46 | 25°16 | 0♑ 5 | 4°50 | 0°25 | 5°57 | 29°12 | 29°46 | 7°21 | 7°24 | 3°34 | 10°21 | T 25 |
| W26 | 10 25 54 | 7°36'09 | 2♑10 | 2°36 | 25°53 | 0°30 | 5° 5 | 0°32 | 5°59 | 29°14 | 29°47 | 7°D21 | 7°21 | 3°41 | 10°26 | W26 |
| T 27 | 10 29 51 | 8°36'51 | 15°37 | 1°29 | 26°31 | 0°55 | 5°19 | 0°39 | 6° 1 | 29°16 | 29°48 | 7°21 | 7°17 | 3°47 | 10°31 | T 27 |
| F 28 | 10 33 47 | 9♓37'32 | 28♑51 | 0♓26 | 27♑10 | 1♑19 | 5♓33 | 0♓46 | 6♑ 3 | 29♒19 | 29♐49 | 7♓21 | 7♓14 | 3♉54 | 10♒36 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17s 2 | 22s24 | 3s 0 | 13s 7 | 1s19 | 15s12 | 6n45 | 15s57 | 1n28 | 12s22 | 0s42 | 13s12 | 1s 0 | 23s24 | 0s11 | 12s10 | 0s10 | 13s20 | 9n59 | 8s44 | 8s17 | 15n32 | 11s40 | 6n40 |
| S 2 | 16 45 | 17 53 | 1 56 | 12 28 | 1 10 | 15 12 | 6 47 | 16 5 | 1 28 | 12 17 | 0 42 | 13 10 | 1 0 | 23 24 | 0 11 | 12 9 | 0 10 | 13 20 | 9 59 | 8 45 | 8 18 | 15 35 | 11 38 | 6 40 |
| M 3 | 16 28 | 12 38 | 0 48 | 11 48 | 1 0 | 15 12 | 6 48 | 16 13 | 1 28 | 12 13 | 0 42 | 13 8 | 1 0 | 23 24 | 0 11 | 12 8 | 0 10 | 13 20 | 9 59 | 8 46 | 8 19 | 15 38 | 11 37 | 6 40 |
| T 4 | 16 10 | 6 59 | 0n21 | 11 8 | 0 50 | 15 12 | 6 49 | 16 21 | 1 28 | 12 8 | 0 42 | 13 5 | 1 0 | 23 24 | 0 11 | 12 8 | 0 10 | 13 19 | 9 59 | 8 46 | 8 20 | 15 41 | 11 36 | 6 40 |
| W 5 | 15 52 | 1 10 | 1 28 | 10 28 | 0 39 | 15 12 | 6 49 | 16 29 | 1 28 | 12 3 | 0 42 | 13 3 | 1 1 | 23 24 | 0 11 | 12 7 | 0 10 | 13 19 | 9 59 | 8 46 | 8 21 | 15 44 | 11 34 | 6 40 |
| T 6 | 15 34 | 4n34 | 2 30 | 9 49 | 0 26 | 15 13 | 6 48 | 16 37 | 1 28 | 11 58 | 0 42 | 13 0 | 1 1 | 23 24 | 0 11 | 12 6 | 0 10 | 13 19 | 9 59 | 8 45 | 8 23 | 15 46 | 11 33 | 6 40 |
| F 7 | 15 15 | 10 4 | 3 25 | 9 11 | 0 13 | 15 14 | 6 48 | 16 44 | 1 28 | 11 53 | 0 42 | 12 58 | 1 1 | 23 24 | 0 11 | 12 5 | 0 10 | 13 19 | 10 0 | 8 44 | 8 24 | 15 49 | 11 31 | 6 40 |
| S 8 | 14 56 | 15 9 | 4 10 | 8 33 | 0n 1 | 15 15 | 6 46 | 16 52 | 1 27 | 11 48 | 0 42 | 12 56 | 1 1 | 23 23 | 0 11 | 12 5 | 0 10 | 13 19 | 10 0 | 8 44 | 8 25 | 15 52 | 11 30 | 6 40 |
| S 9 | 14 37 | 19 41 | 4 44 | 7 58 | 0 15 | 15 16 | 6 44 | 16 59 | 1 27 | 11 43 | 0 42 | 12 53 | 1 1 | 23 23 | 0 11 | 12 4 | 0 10 | 13 19 | 10 0 | 8 44 | 8 26 | 15 55 | 11 29 | 6 40 |
| M10 | 14 18 | 23 27 | 5 7 | 7 24 | 0 31 | 15 17 | 6 42 | 17 6 | 1 27 | 11 38 | 0 43 | 12 51 | 1 1 | 23 23 | 0 11 | 12 3 | 0 10 | 13 19 | 10 0 | 8 43 | 8 27 | 15 58 | 11 27 | 6 40 |
| T 11 | 13 58 | 26 16 | 5 16 | 6 53 | 0 47 | 15 18 | 6 39 | 17 13 | 1 27 | 11 33 | 0 43 | 12 48 | 1 1 | 23 23 | 0 11 | 12 2 | 0 10 | 13 18 | 10 0 | 8 44 | 8 29 | 16 1 | 11 26 | 6 40 |
| W12 | 13 39 | 27 54 | 5 11 | 6 24 | 1 3 | 15 20 | 6 36 | 17 20 | 1 27 | 11 28 | 0 43 | 12 46 | 1 1 | 23 23 | 0 11 | 12 1 | 0 10 | 13 18 | 10 0 | 8 44 | 8 30 | 16 3 | 11 24 | 6 40 |
| T 13 | 13 19 | 28 11 | 4 52 | 5 59 | 1 20 | 15 21 | 6 33 | 17 27 | 1 27 | 11 23 | 0 43 | 12 43 | 1 1 | 23 23 | 0 11 | 12 1 | 0 10 | 13 18 | 10 1 | 8 45 | 8 31 | 16 6 | 11 23 | 6 40 |
| F 14 | 12 58 | 26 57 | 4 17 | 5 38 | 1 37 | 15 23 | 6 29 | 17 34 | 1 26 | 11 18 | 0 43 | 12 41 | 1 1 | 23 23 | 0 11 | 12 0 | 0 10 | 13 18 | 10 1 | 8 45 | 8 32 | 16 9 | 11 21 | 6 41 |
| S 15 | 12 38 | 24 12 | 3 28 | 5 21 | 1 54 | 15 24 | 6 25 | 17 41 | 1 26 | 11 13 | 0 43 | 12 38 | 1 1 | 23 23 | 0 11 | 11 59 | 0 10 | 13 18 | 10 1 | 8 46 | 8 33 | 16 12 | 11 20 | 6 41 |
| S 16 | 12 17 | 20 3 | 2 27 | 5 8 | 2 11 | 15 25 | 6 21 | 17 47 | 1 26 | 11 8 | 0 43 | 12 36 | 1 1 | 23 23 | 0 11 | 11 58 | 0 10 | 13 18 | 10 1 | 8 46 | 8 34 | 16 15 | 11 18 | 6 41 |
| M17 | 11 56 | 14 42 | 1 14 | 5 0 | 2 27 | 15 26 | 6 16 | 17 54 | 1 26 | 11 3 | 0 43 | 12 34 | 1 1 | 23 23 | 0 11 | 11 58 | 0 10 | 13 17 | 10 1 | 8 47 | 8 36 | 16 17 | 11 17 | 6 41 |
| T 18 | 11 35 | 8 28 | 0s 4 | 4 58 | 2 43 | 15 28 | 6 11 | 18 0 | 1 26 | 10 58 | 0 43 | 12 31 | 1 1 | 23 23 | 0 11 | 11 57 | 0 10 | 13 17 | 10 2 | 8 47 | 8 37 | 16 20 | 11 16 | 6 41 |
| W19 | 11 14 | 1 43 | 1 23 | 5 0 | 2 57 | 15 29 | 6 6 | 18 7 | 1 25 | 10 53 | 0 43 | 12 29 | 1 1 | 23 22 | 0 11 | 11 56 | 0 10 | 13 17 | 10 2 | 8 47 | 8 38 | 16 23 | 11 14 | 6 41 |
| T 20 | 10 53 | 5s10 | 2 37 | 5 7 | 3 9 | 15 29 | 6 1 | 18 13 | 1 25 | 10 47 | 0 43 | 12 26 | 1 1 | 23 22 | 0 11 | 11 55 | 0 10 | 13 17 | 10 2 | 8 46 | 8 39 | 16 26 | 11 13 | 6 41 |
| F 21 | 10 31 | 11 47 | 3 41 | 5 18 | 3 20 | 15 30 | 5 56 | 18 19 | 1 25 | 10 42 | 0 43 | 12 24 | 1 1 | 23 22 | 0 11 | 11 54 | 0 10 | 13 17 | 10 2 | 8 46 | 8 40 | 16 29 | 11 11 | 6 42 |
| S 22 | 10 9 | 17 43 | 4 31 | 5 34 | 3 28 | 15 31 | 5 50 | 18 25 | 1 24 | 10 37 | 0 43 | 12 21 | 1 1 | 23 22 | 0 11 | 11 54 | 0 10 | 13 16 | 10 2 | 8 46 | 8 41 | 16 31 | 11 10 | 6 42 |
| S 23 | 9 47 | 22 37 | 5 4 | 5 53 | 3 34 | 15 31 | 5 45 | 18 30 | 1 24 | 10 32 | 0 43 | 12 19 | 1 2 | 23 22 | 0 11 | 11 53 | 0 10 | 13 16 | 10 3 | 8 46 | 8 43 | 16 34 | 11 8 | 6 42 |
| M24 | 9 25 | 26 7 | 5 17 | 6 15 | 3 38 | 15 31 | 5 39 | 18 36 | 1 24 | 10 27 | 0 43 | 12 16 | 1 2 | 23 22 | 0 11 | 11 52 | 0 10 | 13 16 | 10 3 | 8 46 | 8 44 | 16 37 | 11 7 | 6 42 |
| T 25 | 9 3 | 27 59 | 5 11 | 6 40 | 3 39 | 15 31 | 5 33 | 18 42 | 1 24 | 10 22 | 0 43 | 12 14 | 1 2 | 23 22 | 0 11 | 11 51 | 0 11 | 13 16 | 10 3 | 8 46 | 8 45 | 16 40 | 11 5 | 6 42 |
| W26 | 8 40 | 28 6 | 4 48 | 7 6 | 3 38 | 15 30 | 5 27 | 18 47 | 1 23 | 10 17 | 0 43 | 12 11 | 1 2 | 23 22 | 0 11 | 11 51 | 0 11 | 13 15 | 10 3 | 8 46 | 8 46 | 16 42 | 11 4 | 6 42 |
| T 27 | 8 18 | 26 32 | 4 9 | 7 32 | 3 35 | 15 30 | 5 20 | 18 53 | 1 23 | 10 11 | 0 44 | 12 9 | 1 2 | 23 22 | 0 11 | 11 50 | 0 11 | 13 15 | 10 3 | 8 46 | 8 47 | 16 45 | 11 2 | 6 43 |
| F 28 | 7s55 | 23s31 | 3s18 | 7s59 | 3n29 | 15s29 | 5n14 | 18s58 | 1n23 | 10s 6 | 0s44 | 12s 7 | 1s 2 | 23s22 | 0s11 | 11s49 | 0s11 | 13s15 | 10n 4 | 8s46 | 8s49 | 16n48 | 11s 1 | 6n43 |

Julian Day Number = 2814627.5, Delta T = 54m14s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°39'23, Lahiri = 37°46'23


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# ASTRODIENST EPHEMERIS for the year 2994
# geocentric

## MARCH 2994 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 37 44 | 10♓38'13 | 11♒51 | 29°R30 | 27♑50 | 1♐44 | 5♓48 | 0♓53 | 6♑ 6 | 29♒21 | 29♐50 | 7♓21 | 7♓11 | 4♉ 1 | 10♒41 | S 1 |
| S 2 | 10 41 41 | 11°38'51 | 24°37 | 28♒39 | 28°31 | 2° 8 | 6° 2 | 1° 0 | 6° 8 | 29°23 | 29°51 | 7°22 | 7° 8 | 4° 7 | 10°46 | S 2 |
| M 3 | 10 45 37 | 12°39'29 | 7♓11 | 27°57 | 29°14 | 2°31 | 6°16 | 1° 7 | 6°10 | 29°25 | 29°52 | 7°R22 | 7° 5 | 4°14 | 10°51 | M 3 |
| T 4 | 10 49 34 | 13°40'05 | 19°34 | 27°22 | 29°57 | 2°55 | 6°31 | 1°14 | 6°12 | 29°28 | 29°53 | 7°22 | 7° 1 | 4°21 | 10°56 | T 4 |
| W 5 | 10 53 30 | 14°40'40 | 1♈46 | 26°54 | 0♒42 | 3°18 | 6°45 | 1°21 | 6°13 | 29°30 | 29°54 | 7°21 | 6°58 | 4°27 | 11° 0 | W 5 |
| T 6 | 10 57 27 | 15°41'13 | 13°49 | 26°35 | 1°27 | 3°41 | 6°59 | 1°29 | 6°15 | 29°32 | 29°55 | 7°20 | 6°55 | 4°34 | 11° 5 | T 6 |
| F 7 | 11 1 23 | 16°41'44 | 25°45 | 26°23 | 2°13 | 4° 4 | 7°14 | 1°36 | 6°17 | 29°34 | 29°56 | 7°19 | 6°52 | 4°41 | 11°10 | F 7 |
| S 8 | 11 5 20 | 17°42'14 | 7♉36 | 26°D18 | 3° 1 | 4°26 | 7°28 | 1°43 | 6°19 | 29°36 | 29°57 | 7°17 | 6°49 | 4°48 | 11°14 | S 8 |
| S 9 | 11 9 16 | 18°42'42 | 19°27 | 26°20 | 3°49 | 4°48 | 7°42 | 1°50 | 6°21 | 29°39 | 29°58 | 7°16 | 6°46 | 4°54 | 11°19 | S 9 |
| M10 | 11 13 13 | 19°43'09 | 1♊20 | 26°29 | 4°38 | 5°10 | 7°56 | 1°57 | 6°22 | 29°41 | 29°59 | 7°15 | 6°42 | 5° 1 | 11°24 | M10 |
| T 11 | 11 17 9 | 20°43'34 | 13°20 | 26°43 | 5°27 | 5°31 | 8°11 | 2° 3 | 6°24 | 29°43 | 29°59 | 7°14 | 6°39 | 5° 8 | 11°28 | T 11 |
| W12 | 11 21 6 | 21°43'57 | 25°32 | 27° 4 | 6°18 | 5°52 | 8°25 | 2°10 | 6°25 | 29°45 | 0♑ 0 | 7°D14 | 6°36 | 5°14 | 11°33 | W12 |
| T 13 | 11 25 3 | 22°44'18 | 7♋59 | 27°30 | 7° 9 | 6°13 | 8°39 | 2°17 | 6°27 | 29°47 | 0° 1 | 7°14 | 6°33 | 5°21 | 11°37 | T 13 |
| F 14 | 11 28 59 | 23°44'37 | 20°47 | 28° 1 | 8° 1 | 6°33 | 8°53 | 2°24 | 6°28 | 29°49 | 0° 1 | 7°15 | 6°30 | 5°28 | 11°41 | F 14 |
| S 15 | 11 32 56 | 24°44'54 | 3♌58 | 28°37 | 8°53 | 6°53 | 9° 7 | 2°31 | 6°30 | 29°52 | 0° 2 | 7°17 | 6°26 | 5°34 | 11°46 | S 15 |
| S 16 | 11 36 52 | 25°45'09 | 17°36 | 29°16 | 9°46 | 7°12 | 9°21 | 2°38 | 6°31 | 29°54 | 0° 3 | 7°18 | 6°23 | 5°41 | 11°50 | S 16 |
| M17 | 11 40 49 | 26°45'22 | 1♍40 | 0♓ 0 | 10°40 | 7°31 | 9°35 | 2°45 | 6°32 | 29°56 | 0° 3 | 7°R19 | 6°20 | 5°48 | 11°54 | M17 |
| T 18 | 11 44 45 | 27°45'34 | 16° 7 | 0°48 | 11°35 | 7°50 | 9°49 | 2°51 | 6°34 | 29°58 | 0° 4 | 7°19 | 6°17 | 5°55 | 11°59 | T 18 |
| W19 | 11 48 42 | 28°45'43 | 0♎54 | 1°39 | 12°30 | 8° 9 | 10° 3 | 2°58 | 6°35 | 29°59 | 0° 4 | 7°18 | 6°14 | 6° 1 | 12° 3 | W19 |
| T 20 | 11 52 38 | 29°45'51 | 15°53 | 2°33 | 13°25 | 8°27 | 10°17 | 3° 5 | 6°36 | 0♓ 2 | 0° 5 | 7°15 | 6°11 | 6° 8 | 12° 7 | T 20 |
| F 21 | 11 56 35 | 0♈45'57 | 0♏54 | 3°30 | 14°21 | 8°44 | 10°31 | 3°12 | 6°37 | 0° 4 | 0° 5 | 7°12 | 6° 7 | 6°15 | 12°11 | F 21 |
| S 22 | 12 0 32 | 1°46'02 | 15°50 | 4°30 | 15°18 | 9° 2 | 10°45 | 3°18 | 6°38 | 0° 6 | 0° 5 | 7° 9 | 6° 4 | 6°21 | 12°15 | S 22 |
| S 23 | 12 4 28 | 2°46'05 | 0♐32 | 5°32 | 16°15 | 9°18 | 10°59 | 3°25 | 6°39 | 0° 8 | 0° 6 | 7° 6 | 6° 1 | 6°28 | 12°19 | S 23 |
| M24 | 12 8 25 | 3°46'07 | 14°56 | 6°37 | 17°13 | 9°35 | 11°13 | 3°31 | 6°40 | 0°10 | 0° 6 | 7° 3 | 5°58 | 6°35 | 12°23 | M24 |
| T 25 | 12 12 21 | 4°46'07 | 28°57 | 7°44 | 18°11 | 9°50 | 11°27 | 3°38 | 6°41 | 0°12 | 0° 6 | 7°D 2 | 5°55 | 6°42 | 12°27 | T 25 |
| W26 | 12 16 18 | 5°46'06 | 12♑36 | 8°54 | 19° 9 | 10° 6 | 11°40 | 3°44 | 6°42 | 0°14 | 0° 7 | 7° 2 | 5°52 | 6°48 | 12°30 | W26 |
| T 27 | 12 20 14 | 6°46'03 | 25°52 | 10° 5 | 20° 8 | 10°21 | 11°54 | 3°51 | 6°43 | 0°16 | 0° 7 | 7° 3 | 5°48 | 6°55 | 12°34 | T 27 |
| F 28 | 12 24 11 | 7°45'58 | 8♒50 | 11°19 | 21° 7 | 10°35 | 12° 8 | 3°57 | 6°43 | 0°18 | 0° 7 | 7° 5 | 5°45 | 7° 2 | 12°38 | F 28 |
| S 29 | 12 28 7 | 8°45'52 | 21°31 | 12°34 | 22° 7 | 10°49 | 12°22 | 4° 4 | 6°44 | 0°20 | 0° 7 | 7° 7 | 5°42 | 7° 8 | 12°42 | S 29 |
| S 30 | 12 32 4 | 9°45'44 | 3♓59 | 13°51 | 23° 7 | 11° 3 | 12°35 | 4°10 | 6°45 | 0°22 | 0° 7 | 7°R 7 | 5°39 | 7°15 | 12°45 | S 30 |
| M31 | 12 36 1 | 10♈45'34 | 16♓16 | 15♓10 | 24♒ 8 | 11♐16 | 12♓49 | 4♓16 | 6♑45 | 0♓23 | 0♑ 7 | 7♓ 7 | 5♓36 | 7♉22 | 12♒49 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7s32 | 19s20 | 2s17 | 8s26 | 3n22 | 15s27 | 5n 8 | 19s 3 | 1n22 | 10s 1 | 0s44 | 12s 4 | 1s 2 | 23s22 | 0s11 | 11s48 | 0s11 | 13s15 | 10n 4 | 8s46 | 8s50 | 16n51 | 10s59 | 6n43 |
| S 2 | 7 9 | 14 21 | 1 10 | 8 51 | 3 13 | 15 26 | 5 1 | 19 8 | 1 22 | 9 56 | 0 44 | 12 2 | 1 2 | 23 22 | 0 11 | 11 48 | 0 11 | 13 15 | 10 4 | 8 46 | 8 51 | 16 53 | 10 58 | 6 43 |
| M 3 | 6 46 | 8 50 | 0 1 | 9 15 | 3 3 | 15 24 | 4 55 | 19 13 | 1 22 | 9 51 | 0 44 | 11 59 | 1 2 | 23 21 | 0 11 | 11 47 | 0 11 | 13 14 | 10 4 | 8 46 | 8 52 | 16 56 | 10 56 | 6 44 |
| T 4 | 6 23 | 3 5 | 1n 7 | 9 38 | 2 52 | 15 21 | 4 48 | 19 18 | 1 21 | 9 45 | 0 44 | 11 57 | 1 2 | 23 21 | 0 11 | 11 46 | 0 11 | 13 14 | 10 5 | 8 46 | 8 53 | 16 59 | 10 55 | 6 44 |
| W 5 | 6 0 | 2n42 | 2 11 | 9 58 | 2 40 | 15 19 | 4 42 | 19 23 | 1 21 | 9 40 | 0 44 | 11 54 | 1 2 | 23 21 | 0 11 | 11 45 | 0 11 | 13 14 | 10 5 | 8 46 | 8 54 | 17 2 | 10 53 | 6 44 |
| T 6 | 5 37 | 8 19 | 3 9 | 10 16 | 2 28 | 15 15 | 4 35 | 19 28 | 1 20 | 9 35 | 0 44 | 11 52 | 1 2 | 23 21 | 0 11 | 11 44 | 0 11 | 13 14 | 10 5 | 8 46 | 8 56 | 17 4 | 10 52 | 6 44 |
| F 7 | 5 14 | 13 35 | 3 57 | 10 33 | 2 15 | 15 12 | 4 28 | 19 32 | 1 20 | 9 30 | 0 44 | 11 50 | 1 3 | 23 21 | 0 11 | 11 44 | 0 11 | 13 13 | 10 5 | 8 47 | 8 57 | 17 7 | 10 50 | 6 45 |
| S 8 | 4 50 | 18 18 | 4 35 | 10 47 | 2 1 | 15 8 | 4 22 | 19 37 | 1 20 | 9 25 | 0 44 | 11 47 | 1 3 | 23 21 | 0 11 | 11 43 | 0 11 | 13 13 | 10 6 | 8 47 | 8 58 | 17 10 | 10 49 | 6 45 |
| S 9 | 4 27 | 22 20 | 5 1 | 10 59 | 1 48 | 15 4 | 4 15 | 19 41 | 1 19 | 9 19 | 0 44 | 11 45 | 1 3 | 23 21 | 0 11 | 11 42 | 0 11 | 13 13 | 10 6 | 8 48 | 8 59 | 17 12 | 10 47 | 6 45 |
| M10 | 4 3 | 25 27 | 5 15 | 11 8 | 1 35 | 14 59 | 4 8 | 19 45 | 1 19 | 9 14 | 0 44 | 11 42 | 1 3 | 23 21 | 0 11 | 11 41 | 0 11 | 13 13 | 10 6 | 8 48 | 9 0 | 17 15 | 10 46 | 6 45 |
| T 11 | 3 39 | 27 29 | 5 15 | 11 16 | 1 21 | 14 54 | 4 1 | 19 50 | 1 18 | 9 9 | 0 45 | 11 40 | 1 3 | 23 21 | 0 11 | 11 41 | 0 11 | 13 12 | 10 6 | 8 49 | 9 1 | 17 18 | 10 44 | 6 46 |
| W12 | 3 16 | 28 14 | 5 0 | 11 21 | 1 8 | 14 49 | 3 54 | 19 54 | 1 18 | 9 4 | 0 45 | 11 38 | 1 3 | 23 21 | 0 11 | 11 40 | 0 11 | 13 12 | 10 7 | 8 49 | 9 3 | 17 21 | 10 43 | 6 46 |
| T 13 | 2 52 | 27 36 | 4 32 | 11 25 | 0 55 | 14 43 | 3 47 | 19 58 | 1 17 | 8 59 | 0 45 | 11 35 | 1 3 | 23 21 | 0 11 | 11 39 | 0 11 | 13 12 | 10 7 | 8 48 | 9 4 | 17 23 | 10 41 | 6 46 |
| F 14 | 2 28 | 25 30 | 3 50 | 11 26 | 0 43 | 14 37 | 3 41 | 20 2 | 1 17 | 8 53 | 0 45 | 11 33 | 1 3 | 23 21 | 0 11 | 11 38 | 0 11 | 13 12 | 10 7 | 8 48 | 9 5 | 17 26 | 10 40 | 6 47 |
| S 15 | 2 5 | 21 59 | 2 54 | 11 25 | 0 30 | 14 30 | 3 34 | 20 6 | 1 16 | 8 48 | 0 45 | 11 30 | 1 3 | 23 21 | 0 11 | 11 38 | 0 11 | 13 11 | 10 7 | 8 48 | 9 6 | 17 29 | 10 39 | 6 47 |
| S 16 | 1 41 | 17 10 | 1 47 | 11 23 | 0 19 | 14 23 | 3 27 | 20 10 | 1 15 | 8 43 | 0 45 | 11 28 | 1 3 | 23 21 | 0 11 | 11 37 | 0 11 | 13 11 | 10 8 | 8 47 | 9 7 | 17 31 | 10 37 | 6 47 |
| M17 | 1 17 | 11 19 | 0 31 | 11 18 | 0 7 | 14 15 | 3 20 | 20 13 | 1 15 | 8 38 | 0 45 | 11 26 | 1 3 | 23 21 | 0 12 | 11 36 | 0 11 | 13 11 | 10 8 | 8 47 | 9 8 | 17 34 | 10 36 | 6 48 |
| T 18 | 0 53 | 4 42 | 0s48 | 11 12 | 0s 4 | 14 7 | 3 13 | 20 17 | 1 14 | 8 33 | 0 45 | 11 23 | 1 4 | 23 21 | 0 12 | 11 36 | 0 11 | 13 11 | 10 8 | 8 47 | 9 10 | 17 37 | 10 34 | 6 48 |
| W19 | 0 29 | 2s17 | 2 6 | 11 4 | 0 15 | 13 59 | 3 7 | 20 20 | 1 14 | 8 28 | 0 45 | 11 21 | 1 4 | 23 21 | 0 12 | 11 35 | 0 11 | 13 11 | 10 8 | 8 47 | 9 11 | 17 39 | 10 33 | 6 48 |
| T 20 | 0 6 | 9 14 | 3 17 | 10 55 | 0 25 | 13 50 | 3 0 | 20 24 | 1 13 | 8 22 | 0 45 | 11 19 | 1 4 | 23 21 | 0 12 | 11 34 | 0 11 | 13 10 | 10 9 | 8 48 | 9 12 | 17 42 | 10 31 | 6 49 |
| F 21 | 0n18 | 15 41 | 4 13 | 10 43 | 0 35 | 13 41 | 2 53 | 20 27 | 1 12 | 8 17 | 0 46 | 11 17 | 1 4 | 23 20 | 0 12 | 11 33 | 0 11 | 13 10 | 10 9 | 8 49 | 9 13 | 17 45 | 10 30 | 6 49 |
| S 22 | 0 42 | 21 9 | 4 53 | 10 31 | 0 45 | 13 31 | 2 46 | 20 31 | 1 11 | 8 12 | 0 46 | 11 14 | 1 4 | 23 20 | 0 12 | 11 33 | 0 11 | 13 10 | 10 9 | 8 50 | 9 14 | 17 47 | 10 28 | 6 49 |
| S 23 | 1 6 | 25 14 | 5 12 | 10 16 | 0 54 | 13 20 | 2 40 | 20 34 | 1 11 | 8 7 | 0 46 | 11 12 | 1 4 | 23 20 | 0 12 | 11 32 | 0 11 | 13 10 | 10 9 | 8 52 | 9 15 | 17 50 | 10 27 | 6 50 |
| M24 | 1 29 | 27 37 | 5 11 | 10 0 | 1 3 | 13 10 | 2 33 | 20 37 | 1 10 | 8 2 | 0 46 | 11 10 | 1 4 | 23 20 | 0 12 | 11 31 | 0 11 | 13 9 | 10 10 | 8 52 | 9 17 | 17 53 | 10 26 | 6 50 |
| T 25 | 1 53 | 28 10 | 4 51 | 9 43 | 1 11 | 12 59 | 2 26 | 20 40 | 1 9 | 7 57 | 0 46 | 11 7 | 1 4 | 23 20 | 0 12 | 11 31 | 0 11 | 13 9 | 10 10 | 8 53 | 9 18 | 17 55 | 10 24 | 6 50 |
| W26 | 2 17 | 26 58 | 4 16 | 9 25 | 1 19 | 12 47 | 2 20 | 20 43 | 1 8 | 7 52 | 0 46 | 11 5 | 1 4 | 23 20 | 0 12 | 11 30 | 0 11 | 13 9 | 10 10 | 8 53 | 9 19 | 17 58 | 10 23 | 6 51 |
| T 27 | 2 40 | 24 15 | 3 27 | 9 5 | 1 26 | 12 35 | 2 13 | 20 46 | 1 8 | 7 46 | 0 46 | 11 3 | 1 5 | 23 20 | 0 12 | 11 29 | 0 11 | 13 8 | 10 10 | 8 53 | 9 20 | 18 0 | 10 21 | 6 51 |
| F 28 | 3 4 | 20 21 | 2 29 | 8 43 | 1 33 | 12 23 | 2 7 | 20 49 | 1 7 | 7 41 | 0 46 | 11 1 | 1 5 | 23 20 | 0 12 | 11 29 | 0 11 | 13 8 | 10 11 | 8 52 | 9 21 | 18 3 | 10 20 | 6 52 |
| S 29 | 3 27 | 15 35 | 1 24 | 8 21 | 1 40 | 12 10 | 2 0 | 20 52 | 1 6 | 7 36 | 0 46 | 10 59 | 1 5 | 23 20 | 0 12 | 11 28 | 0 11 | 13 8 | 10 11 | 8 51 | 9 22 | 18 6 | 10 19 | 6 52 |
| S 30 | 3 51 | 10 16 | 0 17 | 7 57 | 1 46 | 11 56 | 1 54 | 20 54 | 1 5 | 7 31 | 0 47 | 10 56 | 1 5 | 23 20 | 0 12 | 11 27 | 0 11 | 13 8 | 10 11 | 8 51 | 9 24 | 18 8 | 10 17 | 6 52 |
| M31 | 4n14 | 4s38 | 0n50 | 7s32 | 1s52 | 11s43 | 1n48 | 20s57 | 1n 4 | 7s26 | 0s47 | 10s54 | 1s 5 | 23s20 | 0s12 | 11s27 | 0s11 | 13s 8 | 10n11 | 8s51 | 9s25 | 18n11 | 10s16 | 6n53 |

Julian Day Number = 2814655.5, Delta T = 54m14s
Ecliptic obliquity = 23°18'47, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°39'27, Lahiri = 37°46'27


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# ASTRODIENST EPHEMERIS for the year 2994
# geocentric

## APRIL 2994 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 39 57 | 11♈45'23 | 28♓24 | 16♓30 | 25♒ 9 | 11♐28 | 13♓ 2 | 4♓22 | 6♑46 | 0♓25 | 0♑ 7 | 7°R 5 | 5♓32 | 7♉28 | 12♒52 | T 1 |
| W 2 | 12 43 54 | 12°45'09 | 10♈25 | 17°52 | 26°10 | 11°40 | 13°16 | 4°28 | 6°46 | 0°27 | 0°R 7 | 7♓ 1 | 5°29 | 7°35 | 12°56 | W 2 |
| T 3 | 12 47 50 | 13°44'54 | 22°22 | 19°16 | 27°11 | 11°51 | 13°29 | 4°35 | 6°47 | 0°29 | 0° 7 | 6°55 | 5°26 | 7°42 | 12°59 | T 3 |
| F 4 | 12 51 47 | 14°44'37 | 4♉14 | 20°41 | 28°13 | 12° 2 | 13°42 | 4°41 | 6°47 | 0°31 | 0° 7 | 6°49 | 5°23 | 7°49 | 13° 2 | F 4 |
| S 5 | 12 55 43 | 15°44'18 | 16° 5 | 22° 7 | 29°15 | 12°12 | 13°56 | 4°47 | 6°47 | 0°32 | 0° 7 | 6°41 | 5°20 | 7°55 | 13° 5 | S 5 |
| S 6 | 12 59 40 | 16°43'56 | 27°57 | 23°35 | 0♓18 | 12°22 | 14° 9 | 4°53 | 6°48 | 0°34 | 0° 7 | 6°34 | 5°17 | 8° 2 | 13° 9 | S 6 |
| M 7 | 13 3 36 | 17°43'33 | 9♊51 | 25° 5 | 1°21 | 12°31 | 14°22 | 4°59 | 6°48 | 0°36 | 0° 7 | 6°27 | 5°13 | 8° 9 | 13°12 | M 7 |
| T 8 | 13 7 33 | 18°43'07 | 21°51 | 26°35 | 2°24 | 12°39 | 14°35 | 5° 5 | 6°48 | 0°37 | 0° 7 | 6°22 | 5°10 | 8°15 | 13°15 | T 8 |
| W 9 | 13 11 30 | 19°42'40 | 4♋ 1 | 28° 8 | 3°27 | 12°47 | 14°48 | 5°10 | 6°48 | 0°39 | 0° 6 | 6°18 | 5° 7 | 8°22 | 13°18 | W 9 |
| T 10 | 13 15 26 | 20°42'10 | 16°24 | 29°41 | 4°30 | 12°54 | 15° 1 | 5°16 | 6°R48 | 0°41 | 0° 6 | 6°D17 | 5° 4 | 8°29 | 13°21 | T 10 |
| F 11 | 13 19 23 | 21°41'37 | 29° 6 | 1♈16 | 5°34 | 13° 0 | 15°14 | 5°22 | 6°48 | 0°42 | 0° 6 | 6°17 | 5° 1 | 8°36 | 13°23 | F 11 |
| S 12 | 13 23 19 | 22°41'03 | 12♌10 | 2°52 | 6°38 | 13° 6 | 15°27 | 5°27 | 6°48 | 0°44 | 0° 5 | 6°18 | 4°58 | 8°42 | 13°26 | S 12 |
| S 13 | 13 27 16 | 23°40'26 | 25°40 | 4°30 | 7°42 | 13°12 | 15°40 | 5°33 | 6°48 | 0°46 | 0° 5 | 6°19 | 4°54 | 8°49 | 13°29 | S 13 |
| M14 | 13 31 12 | 24°39'47 | 9♍38 | 6° 9 | 8°47 | 13°16 | 15°53 | 5°39 | 6°48 | 0°47 | 0° 5 | 6°R20 | 4°51 | 8°56 | 13°32 | M14 |
| T 15 | 13 35 9 | 25°39'05 | 24° 5 | 7°49 | 9°52 | 13°20 | 16° 6 | 5°44 | 6°48 | 0°49 | 0° 4 | 6°18 | 4°48 | 9° 2 | 13°34 | T 15 |
| W16 | 13 39 5 | 26°38'22 | 8♎56 | 9°31 | 10°57 | 13°23 | 16°18 | 5°50 | 6°47 | 0°50 | 0° 4 | 6°15 | 4°45 | 9° 9 | 13°37 | W16 |
| T 17 | 13 43 2 | 27°37'36 | 24° 5 | 11°14 | 12° 2 | 13°26 | 16°31 | 5°55 | 6°47 | 0°51 | 0° 3 | 6° 9 | 4°42 | 9°16 | 13°39 | T 17 |
| F 18 | 13 46 59 | 28°36'48 | 9♏23 | 12°59 | 13° 7 | 13°28 | 16°43 | 6° 0 | 6°47 | 0°53 | 0° 3 | 6° 2 | 4°38 | 9°22 | 13°42 | F 18 |
| S 19 | 13 50 55 | 29°35'59 | 24°38 | 14°45 | 14°13 | 13°29 | 16°56 | 6° 5 | 6°46 | 0°54 | 0° 2 | 5°54 | 4°35 | 9°29 | 13°44 | S 19 |
| S 20 | 13 54 52 | 0♉35'08 | 9♐41 | 16°32 | 15°18 | 13°R29 | 17° 8 | 6°11 | 6°46 | 0°56 | 0° 2 | 5°46 | 4°32 | 9°36 | 13°46 | S 20 |
| M21 | 13 58 48 | 1°34'15 | 24°21 | 18°21 | 16°24 | 13°29 | 17°20 | 6°16 | 6°45 | 0°57 | 0° 1 | 5°39 | 4°29 | 9°43 | 13°48 | M21 |
| T 22 | 14 2 45 | 2°33'20 | 8♑35 | 20°11 | 17°30 | 13°28 | 17°32 | 6°21 | 6°45 | 0°58 | 0° 0 | 5°35 | 4°26 | 9°49 | 13°50 | T 22 |
| W23 | 14 6 41 | 3°32'23 | 22°21 | 22° 3 | 18°37 | 13°26 | 17°45 | 6°26 | 6°44 | 1° 0 | 29♐59 | 5°32 | 4°23 | 9°56 | 13°53 | W23 |
| T 24 | 14 10 38 | 4°31'25 | 5♒38 | 23°56 | 19°43 | 13°23 | 17°57 | 6°31 | 6°43 | 1° 1 | 29°59 | 5°D31 | 4°19 | 10° 3 | 13°55 | T 24 |
| F 25 | 14 14 34 | 5°30'25 | 18°32 | 25°51 | 20°50 | 13°20 | 18° 9 | 6°35 | 6°43 | 1° 2 | 29°58 | 5°32 | 4°16 | 10° 9 | 13°56 | F 25 |
| S 26 | 14 18 31 | 6°29'23 | 1♓ 6 | 27°47 | 21°56 | 13°16 | 18°21 | 6°40 | 6°42 | 1° 3 | 29°58 | 5°R33 | 4°13 | 10°16 | 13°58 | S 26 |
| S 27 | 14 22 28 | 7°28'20 | 13°23 | 29°44 | 23° 3 | 13°11 | 18°32 | 6°45 | 6°41 | 1° 5 | 29°57 | 5°32 | 4°10 | 10°23 | 14° 0 | S 27 |
| M28 | 14 26 24 | 8°27'15 | 25°30 | 1♉43 | 24°10 | 13° 5 | 18°44 | 6°49 | 6°40 | 1° 6 | 29°56 | 5°30 | 4° 7 | 10°30 | 14° 2 | M28 |
| T 29 | 14 30 21 | 9°26'08 | 7♈28 | 3°43 | 25°17 | 12°59 | 18°56 | 6°54 | 6°39 | 1° 7 | 29°55 | 5°26 | 4° 3 | 10°36 | 14° 3 | T 29 |
| W30 | 14 34 17 | 10♉24'59 | 19♈22 | 5♉45 | 26♓25 | 12♐52 | 19♓ 7 | 6♓58 | 6♑38 | 1♓ 8 | 29♐54 | 5♓19 | 4♓ 0 | 10♉43 | 14♒ 5 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4n38 | 1n 6 | 1n53 | 7s 6 | 1s57 | 11s29 | 1n41 | 21s 0 | 1n 3 | 7s21 | 0s47 | 10s52 | 1s 5 | 23s20 | 0s12 | 11s26 | 0s11 | 13s 7 | 10n12 | 8s52 | 9s26 | 18n14 | 10s15 | 6n53 |
| W 2 | 5 1 | 6 44 | 2 51 | 6 38 | 2 2 | 11 14 | 1 35 | 21 2 | 1 2 | 7 16 | 0 47 | 10 50 | 1 5 | 23 20 | 0 12 | 11 26 | 0 11 | 13 7 | 10 12 | 8 53 | 9 27 | 18 16 | 10 13 | 6 54 |
| T 3 | 5 24 | 12 5 | 3 41 | 6 10 | 2 6 | 10 59 | 1 29 | 21 5 | 1 1 | 7 11 | 0 47 | 10 48 | 1 5 | 23 20 | 0 12 | 11 25 | 0 11 | 13 7 | 10 12 | 8 55 | 9 28 | 18 19 | 10 12 | 6 54 |
| F 4 | 5 47 | 16 58 | 4 21 | 5 40 | 2 10 | 10 44 | 1 23 | 21 7 | 1 0 | 7 6 | 0 47 | 10 46 | 1 6 | 23 20 | 0 12 | 11 24 | 0 11 | 13 7 | 10 12 | 8 58 | 9 29 | 18 21 | 10 11 | 6 54 |
| S 5 | 6 10 | 21 11 | 4 50 | 5 9 | 2 13 | 10 28 | 1 17 | 21 10 | 0 59 | 7 1 | 0 47 | 10 44 | 1 6 | 23 20 | 0 12 | 11 24 | 0 11 | 13 6 | 10 12 | 9 1 | 9 30 | 18 24 | 10 9 | 6 55 |
| S 6 | 6 33 | 24 34 | 5 6 | 4 37 | 2 16 | 10 12 | 1 11 | 21 12 | 0 58 | 6 56 | 0 47 | 10 42 | 1 6 | 23 20 | 0 12 | 11 23 | 0 11 | 13 6 | 10 13 | 9 3 | 9 32 | 18 26 | 10 8 | 6 55 |
| M 7 | 6 55 | 26 54 | 5 9 | 4 4 | 2 19 | 9 55 | 1 5 | 21 14 | 0 57 | 6 51 | 0 48 | 10 40 | 1 6 | 23 20 | 0 12 | 11 23 | 0 11 | 13 6 | 10 13 | 9 6 | 9 33 | 18 29 | 10 7 | 6 56 |
| T 8 | 7 18 | 28 1 | 4 58 | 3 30 | 2 21 | 9 39 | 0 59 | 21 17 | 0 56 | 6 46 | 0 48 | 10 38 | 1 6 | 23 20 | 0 12 | 11 22 | 0 11 | 13 6 | 10 13 | 9 8 | 9 34 | 18 32 | 10 6 | 6 56 |
| W 9 | 7 40 | 27 49 | 4 34 | 2 56 | 2 23 | 9 21 | 0 54 | 21 19 | 0 54 | 6 41 | 0 48 | 10 36 | 1 6 | 23 20 | 0 12 | 11 21 | 0 11 | 13 5 | 10 13 | 9 9 | 9 35 | 18 34 | 10 4 | 6 57 |
| T 10 | 8 3 | 26 14 | 3 57 | 2 20 | 2 24 | 9 4 | 0 48 | 21 21 | 0 53 | 6 37 | 0 48 | 10 34 | 1 6 | 23 20 | 0 12 | 11 21 | 0 11 | 13 5 | 10 14 | 9 10 | 9 36 | 18 37 | 10 3 | 6 57 |
| F 11 | 8 25 | 23 17 | 3 7 | 1 43 | 2 25 | 8 46 | 0 42 | 21 23 | 0 52 | 6 32 | 0 48 | 10 32 | 1 6 | 23 20 | 0 12 | 11 20 | 0 11 | 13 5 | 10 14 | 9 9 | 9 37 | 18 39 | 10 2 | 6 58 |
| S 12 | 8 47 | 19 5 | 2 7 | 1 5 | 2 25 | 8 27 | 0 37 | 21 25 | 0 50 | 6 27 | 0 48 | 10 30 | 1 7 | 23 20 | 0 12 | 11 20 | 0 11 | 13 5 | 10 14 | 9 9 | 9 39 | 18 42 | 10 1 | 6 58 |
| S 13 | 9 9 | 13 48 | 0 57 | 0 26 | 2 25 | 8 9 | 0 31 | 21 27 | 0 49 | 6 22 | 0 48 | 10 28 | 1 7 | 23 20 | 0 12 | 11 19 | 0 11 | 13 4 | 10 14 | 9 9 | 9 40 | 18 44 | 9 59 | 6 59 |
| M14 | 9 30 | 7 38 | 0s18 | 0n13 | 2 24 | 7 50 | 0 26 | 21 29 | 0 48 | 6 17 | 0 49 | 10 26 | 1 7 | 23 20 | 0 12 | 11 19 | 0 11 | 13 4 | 10 15 | 9 9 | 9 41 | 18 47 | 9 58 | 6 59 |
| T 15 | 9 52 | 0 54 | 1 34 | 0 54 | 2 23 | 7 31 | 0 21 | 21 31 | 0 46 | 6 12 | 0 49 | 10 24 | 1 7 | 23 20 | 0 12 | 11 18 | 0 11 | 13 4 | 10 15 | 9 9 | 9 42 | 18 50 | 9 57 | 6 59 |
| W16 | 10 13 | 6s 4 | 2 46 | 1 35 | 2 21 | 7 11 | 0 16 | 21 33 | 0 45 | 6 8 | 0 49 | 10 22 | 1 7 | 23 20 | 0 12 | 11 18 | 0 11 | 13 4 | 10 15 | 9 10 | 9 43 | 18 52 | 9 56 | 7 0 |
| T 17 | 10 34 | 12 49 | 3 48 | 2 17 | 2 19 | 6 51 | 0 11 | 21 34 | 0 43 | 6 3 | 0 49 | 10 20 | 1 7 | 23 21 | 0 12 | 11 17 | 0 11 | 13 4 | 10 15 | 9 12 | 9 44 | 18 55 | 9 55 | 7 0 |
| F 18 | 10 55 | 18 52 | 4 34 | 3 0 | 2 17 | 6 31 | 0 6 | 21 36 | 0 42 | 5 58 | 0 49 | 10 19 | 1 8 | 23 21 | 0 12 | 11 17 | 0 11 | 13 3 | 10 15 | 9 15 | 9 46 | 18 57 | 9 54 | 7 1 |
| S 19 | 11 16 | 23 40 | 5 0 | 3 43 | 2 14 | 6 10 | 0 1 | 21 38 | 0 40 | 5 54 | 0 49 | 10 17 | 1 8 | 23 21 | 0 12 | 11 16 | 0 11 | 13 3 | 10 16 | 9 18 | 9 47 | 19 0 | 9 53 | 7 1 |
| S 20 | 11 37 | 26 49 | 5 5 | 4 28 | 2 10 | 5 50 | 0s 4 | 21 40 | 0 39 | 5 49 | 0 50 | 10 15 | 1 8 | 23 21 | 0 12 | 11 16 | 0 11 | 13 3 | 10 16 | 9 21 | 9 48 | 19 2 | 9 51 | 7 2 |
| M21 | 11 57 | 28 1 | 4 50 | 5 13 | 2 6 | 5 29 | 0 9 | 21 41 | 0 37 | 5 44 | 0 50 | 10 13 | 1 8 | 23 21 | 0 12 | 11 15 | 0 11 | 13 3 | 10 16 | 9 23 | 9 49 | 19 5 | 9 50 | 7 2 |
| T 22 | 12 18 | 27 18 | 4 17 | 5 58 | 2 1 | 5 7 | 0 14 | 21 43 | 0 35 | 5 40 | 0 50 | 10 12 | 1 8 | 23 21 | 0 12 | 11 15 | 0 11 | 13 2 | 10 16 | 9 25 | 9 50 | 19 7 | 9 49 | 7 3 |
| W23 | 12 38 | 24 55 | 3 30 | 6 44 | 1 56 | 4 46 | 0 18 | 21 44 | 0 33 | 5 35 | 0 50 | 10 10 | 1 8 | 23 21 | 0 12 | 11 14 | 0 11 | 13 2 | 10 17 | 9 26 | 9 51 | 19 10 | 9 48 | 7 3 |
| T 24 | 12 58 | 21 14 | 2 33 | 7 31 | 1 51 | 4 24 | 0 23 | 21 46 | 0 32 | 5 31 | 0 50 | 10 8 | 1 8 | 23 21 | 0 12 | 11 14 | 0 11 | 13 2 | 10 17 | 9 26 | 9 52 | 19 12 | 9 47 | 7 4 |
| F 25 | 13 17 | 16 37 | 1 30 | 8 18 | 1 45 | 4 2 | 0 27 | 21 47 | 0 30 | 5 26 | 0 50 | 10 7 | 1 9 | 23 21 | 0 12 | 11 13 | 0 11 | 13 2 | 10 17 | 9 26 | 9 54 | 19 15 | 9 46 | 7 4 |
| S 26 | 13 37 | 11 24 | 0 24 | 9 6 | 1 38 | 3 40 | 0 31 | 21 49 | 0 28 | 5 22 | 0 51 | 10 5 | 1 9 | 23 21 | 0 12 | 11 13 | 0 11 | 13 2 | 10 17 | 9 26 | 9 55 | 19 17 | 9 45 | 7 5 |
| S 27 | 13 56 | 5 51 | 0n42 | 9 54 | 1 31 | 3 17 | 0 36 | 21 50 | 0 26 | 5 17 | 0 51 | 10 3 | 1 9 | 23 21 | 0 12 | 11 13 | 0 11 | 13 1 | 10 17 | 9 26 | 9 56 | 19 20 | 9 44 | 7 5 |
| M28 | 14 15 | 0 11 | 1 44 | 10 42 | 1 24 | 2 55 | 0 40 | 21 51 | 0 24 | 5 13 | 0 51 | 10 2 | 1 9 | 23 21 | 0 12 | 11 12 | 0 11 | 13 1 | 10 17 | 9 27 | 9 57 | 19 22 | 9 43 | 7 6 |
| T 29 | 14 34 | 5n25 | 2 41 | 11 30 | 1 16 | 2 32 | 0 44 | 21 52 | 0 22 | 5 9 | 0 51 | 10 0 | 1 9 | 23 21 | 0 12 | 11 12 | 0 11 | 13 1 | 10 18 | 9 28 | 9 58 | 19 25 | 9 42 | 7 6 |
| W30 | 14n52 | 10n48 | 3n31 | 12n18 | 1s 8 | 2s 9 | 0s48 | 21s54 | 0n20 | 5s 4 | 0s51 | 9s59 | 1s 9 | 23s21 | 0s12 | 11s12 | 0s11 | 13s 1 | 10n18 | 9s31 | 9s59 | 19n27 | 9s41 | 7n 7 |

Julian Day Number = 2814686.5, Delta T = 54m15s
Ecliptic obliquity = 23°18'47, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°39'31, Lahiri = 37°46'31


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# ASTRODIENST EPHEMERIS for the year 2994
# geocentric

## MAY 2994 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 38 14 | 11♉23'48 | 1♉13 | 7♉48 | 27♓32 | 12°R44 | 19♓19 | 7♓ 3 | 6°R37 | 1♓ 9 | 29°R53 | 5°R 9 | 3♓57 | 10♉50 | 14♒ 6 | T 1 |
| F 2 | 14 42 10 | 12°22'36 | 13° 4 | 9°52 | 28°40 | 12♐35 | 19°30 | 7° 7 | 6♑36 | 1°10 | 29♐52 | 4♓57 | 3°54 | 10°56 | 14° 8 | F 2 |
| S 3 | 14 46 7 | 13°21'22 | 24°56 | 11°57 | 29°48 | 12°25 | 19°41 | 7°11 | 6°35 | 1°11 | 29°51 | 4°44 | 3°51 | 11° 3 | 14° 9 | S 3 |
| S 4 | 14 50 3 | 14°20'05 | 6♊51 | 14° 3 | 0♈55 | 12°15 | 19°52 | 7°16 | 6°34 | 1°12 | 29°50 | 4°31 | 3°48 | 11°10 | 14°10 | S 4 |
| M 5 | 14 54 0 | 15°18'47 | 18°50 | 16°10 | 2° 3 | 12° 4 | 20° 4 | 7°20 | 6°33 | 1°13 | 29°49 | 4°19 | 3°44 | 11°17 | 14°11 | M 5 |
| T 6 | 14 57 57 | 16°17'27 | 0♋54 | 18°18 | 3°11 | 11°52 | 20°15 | 7°24 | 6°31 | 1°14 | 29°48 | 4° 9 | 3°41 | 11°23 | 14°12 | T 6 |
| W 7 | 15 1 53 | 17°16'04 | 13° 7 | 20°26 | 4°20 | 11°40 | 20°25 | 7°28 | 6°30 | 1°15 | 29°47 | 4° 2 | 3°38 | 11°30 | 14°13 | W 7 |
| T 8 | 15 5 50 | 18°14'40 | 25°32 | 22°34 | 5°28 | 11°26 | 20°36 | 7°31 | 6°29 | 1°16 | 29°46 | 3°57 | 3°35 | 11°37 | 14°14 | T 8 |
| F 9 | 15 9 46 | 19°13'13 | 8♌12 | 24°42 | 6°36 | 11°13 | 20°47 | 7°35 | 6°27 | 1°16 | 29°45 | 3°55 | 3°32 | 11°43 | 14°15 | F 9 |
| S 10 | 15 13 43 | 20°11'44 | 21°11 | 26°49 | 7°45 | 10°58 | 20°57 | 7°39 | 6°26 | 1°17 | 29°44 | 3°D55 | 3°29 | 11°50 | 14°16 | S 10 |
| S 11 | 15 17 39 | 21°10'13 | 4♍33 | 28°56 | 8°53 | 10°43 | 21° 8 | 7°42 | 6°25 | 1°18 | 29°43 | 3°R55 | 3°25 | 11°57 | 14°17 | S 11 |
| M12 | 15 21 36 | 22° 8'40 | 18°21 | 1♎ 2 | 10° 2 | 10°27 | 21°18 | 7°46 | 6°23 | 1°19 | 29°42 | 3°54 | 3°22 | 12° 4 | 14°17 | M12 |
| T 13 | 15 25 32 | 23° 7'05 | 2♎37 | 3° 7 | 11°11 | 10°10 | 21°28 | 7°49 | 6°22 | 1°19 | 29°41 | 3°52 | 3°19 | 12°10 | 14°18 | T 13 |
| W14 | 15 29 29 | 24° 5'28 | 17°18 | 5°10 | 12°19 | 9°53 | 21°39 | 7°53 | 6°20 | 1°20 | 29°39 | 3°47 | 3°16 | 12°17 | 14°18 | W14 |
| T 15 | 15 33 26 | 25° 3'48 | 2♏21 | 7°11 | 13°28 | 9°36 | 21°49 | 7°56 | 6°18 | 1°21 | 29°38 | 3°40 | 3°13 | 12°24 | 14°19 | T 15 |
| F 16 | 15 37 22 | 26° 2'07 | 17°37 | 9°10 | 14°37 | 9°18 | 21°59 | 7°59 | 6°17 | 1°21 | 29°37 | 3°30 | 3° 9 | 12°30 | 14°19 | F 16 |
| S 17 | 15 41 19 | 27° 0'24 | 2♐55 | 11° 6 | 15°46 | 8°59 | 22° 8 | 8° 2 | 6°15 | 1°22 | 29°36 | 3°19 | 3° 6 | 12°37 | 14°19 | S 17 |
| S 18 | 15 45 15 | 27°58'40 | 18° 5 | 13° 0 | 16°56 | 8°40 | 22°18 | 8° 5 | 6°13 | 1°22 | 29°34 | 3° 8 | 3° 3 | 12°44 | 14°20 | S 18 |
| M19 | 15 49 12 | 28°56'54 | 2♑55 | 14°51 | 18° 5 | 8°20 | 22°28 | 8° 8 | 6°11 | 1°23 | 29°33 | 2°59 | 3° 0 | 12°51 | 14°20 | M19 |
| T 20 | 15 53 8 | 29°55'06 | 17°19 | 16°39 | 19°14 | 8° 0 | 22°37 | 8°11 | 6°10 | 1°23 | 29°32 | 2°52 | 2°57 | 12°57 | 14°R20 | T 20 |
| W21 | 15 57 5 | 0♊53'17 | 1♒13 | 18°23 | 20°24 | 7°40 | 22°46 | 8°14 | 6° 8 | 1°24 | 29°30 | 2°47 | 2°54 | 13° 4 | 14°20 | W21 |
| T 22 | 16 1 1 | 1°51'27 | 14°38 | 20° 4 | 21°33 | 7°19 | 22°56 | 8°16 | 6° 6 | 1°24 | 29°29 | 2°45 | 2°50 | 13°11 | 14°20 | T 22 |
| F 23 | 16 4 58 | 2°49'35 | 27°35 | 21°42 | 22°43 | 6°58 | 23° 5 | 8°19 | 6° 4 | 1°24 | 29°28 | 2°45 | 2°47 | 13°17 | 14°20 | F 23 |
| S 24 | 16 8 55 | 3°47'41 | 10♓10 | 23°16 | 23°52 | 6°37 | 23°14 | 8°21 | 6° 2 | 1°25 | 29°26 | 2°45 | 2°44 | 13°24 | 14°19 | S 24 |
| S 25 | 16 12 51 | 4°45'47 | 22°26 | 24°46 | 25° 2 | 6°15 | 23°23 | 8°24 | 6° 0 | 1°25 | 29°25 | 2°44 | 2°41 | 13°31 | 14°19 | S 25 |
| M26 | 16 16 48 | 5°43'50 | 4♈29 | 26°13 | 26°12 | 5°53 | 23°31 | 8°26 | 5°58 | 1°25 | 29°23 | 2°41 | 2°38 | 13°38 | 14°18 | M26 |
| T 27 | 16 20 44 | 6°41'53 | 16°24 | 27°35 | 27°22 | 5°32 | 23°40 | 8°28 | 5°56 | 1°26 | 29°22 | 2°36 | 2°35 | 13°44 | 14°18 | T 27 |
| W28 | 16 24 41 | 7°39'54 | 28°15 | 28°54 | 28°32 | 5°10 | 23°48 | 8°30 | 5°54 | 1°26 | 29°20 | 2°29 | 2°31 | 13°51 | 14°17 | W28 |
| T 29 | 16 28 37 | 8°37'54 | 10♉ 4 | 0♋ 8 | 29°42 | 4°48 | 23°57 | 8°32 | 5°52 | 1°26 | 29°19 | 2°18 | 2°28 | 13°58 | 14°17 | T 29 |
| F 30 | 16 32 34 | 9°35'53 | 21°56 | 1°19 | 0♉52 | 4°26 | 24° 5 | 8°34 | 5°50 | 1°26 | 29°17 | 2° 6 | 2°25 | 14° 4 | 14°16 | F 30 |
| S 31 | 16 36 30 | 10♊33'50 | 3♊52 | 2♋26 | 2♉ 2 | 4♐ 4 | 24♓13 | 8♓36 | 5♑48 | 1♓26 | 29♐16 | 1♓52 | 2♓22 | 14♉11 | 14♒15 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15n10 | 15n45 | 4n11 | 13n 7 | 0s59 | 1s46 | 0s51 | 21s55 | 0n18 | 5s 0 | 0s51 | 9s57 | 1s10 | 23s21 | 0s12 | 11s11 | 0s11 | 13s 1 | 10n18 | 9s35 | 10s 0 | 19n29 | 9s41 | 7n 7 |
| F 2 | 15 28 | 20 8 | 4 40 | 13 55 | 0 50 | 1 22 | 0 55 | 21 56 | 0 15 | 4 56 | 0 52 | 9 56 | 1 10 | 23 21 | 0 12 | 11 11 | 0 11 | 13 1 | 10 18 | 9 39 | 10 2 | 19 32 | 9 40 | 7 8 |
| S 3 | 15 46 | 23 42 | 4 57 | 14 42 | 0 40 | 0 59 | 0 59 | 21 57 | 0 13 | 4 51 | 0 52 | 9 54 | 1 10 | 23 21 | 0 12 | 11 10 | 0 11 | 13 0 | 10 18 | 9 44 | 10 3 | 19 34 | 9 39 | 7 8 |
| S 4 | 16 3 | 26 17 | 5 1 | 15 29 | 0 30 | 0 35 | 1 2 | 21 58 | 0 11 | 4 47 | 0 52 | 9 53 | 1 10 | 23 22 | 0 12 | 11 10 | 0 11 | 13 0 | 10 19 | 9 48 | 10 4 | 19 37 | 9 38 | 7 9 |
| M 5 | 16 21 | 27 42 | 4 52 | 16 16 | 0 20 | 0 11 | 1 5 | 21 58 | 0 9 | 4 43 | 0 52 | 9 52 | 1 10 | 23 22 | 0 12 | 11 10 | 0 11 | 13 0 | 10 19 | 9 53 | 10 5 | 19 39 | 9 37 | 7 10 |
| T 6 | 16 37 | 27 48 | 4 30 | 17 2 | 0 10 | 0n13 | 1 9 | 21 59 | 0 6 | 4 39 | 0 52 | 9 50 | 1 10 | 23 22 | 0 12 | 11 10 | 0 11 | 13 0 | 10 19 | 9 56 | 10 6 | 19 42 | 9 36 | 7 10 |
| W 7 | 16 54 | 26 34 | 3 55 | 17 46 | 0n 1 | 0 37 | 1 12 | 22 0 | 0 4 | 4 35 | 0 53 | 9 49 | 1 11 | 23 22 | 0 13 | 11 9 | 0 11 | 13 0 | 10 19 | 9 59 | 10 7 | 19 44 | 9 36 | 7 11 |
| T 8 | 17 10 | 24 0 | 3 8 | 18 30 | 0 11 | 1 1 | 1 15 | 22 1 | 0 2 | 4 31 | 0 53 | 9 48 | 1 11 | 23 22 | 0 13 | 11 9 | 0 12 | 13 0 | 10 19 | 10 0 | 10 8 | 19 46 | 9 35 | 7 11 |
| F 9 | 17 26 | 20 14 | 2 12 | 19 12 | 0 22 | 1 25 | 1 18 | 22 1 | 0s 1 | 4 27 | 0 53 | 9 47 | 1 11 | 23 22 | 0 13 | 11 9 | 0 12 | 12 59 | 10 19 | 10 1 | 10 10 | 19 49 | 9 34 | 7 12 |
| S 10 | 17 42 | 15 25 | 1 7 | 19 52 | 0 33 | 1 49 | 1 21 | 22 2 | 0 3 | 4 23 | 0 53 | 9 45 | 1 11 | 23 22 | 0 13 | 11 8 | 0 12 | 12 59 | 10 19 | 10 1 | 10 11 | 19 51 | 9 33 | 7 12 |
| S 11 | 17 57 | 9 44 | 0s 3 | 20 31 | 0 43 | 2 13 | 1 24 | 22 2 | 0 6 | 4 19 | 0 53 | 9 44 | 1 11 | 23 22 | 0 13 | 11 8 | 0 12 | 12 59 | 10 20 | 10 1 | 10 12 | 19 54 | 9 33 | 7 13 |
| M12 | 18 12 | 3 25 | 1 16 | 21 8 | 0 54 | 2 38 | 1 26 | 22 2 | 0 8 | 4 15 | 0 53 | 9 43 | 1 11 | 23 22 | 0 13 | 11 8 | 0 12 | 12 59 | 10 20 | 10 1 | 10 13 | 19 56 | 9 32 | 7 13 |
| T 13 | 18 27 | 3s16 | 2 25 | 21 43 | 1 4 | 3 2 | 1 29 | 22 2 | 0 11 | 4 11 | 0 54 | 9 42 | 1 12 | 23 22 | 0 13 | 11 8 | 0 12 | 12 59 | 10 20 | 10 2 | 10 14 | 19 58 | 9 31 | 7 14 |
| W14 | 18 42 | 9 57 | 3 28 | 22 15 | 1 14 | 3 26 | 1 31 | 22 2 | 0 14 | 4 7 | 0 54 | 9 41 | 1 12 | 23 22 | 0 13 | 11 7 | 0 12 | 12 59 | 10 20 | 10 4 | 10 15 | 20 1 | 9 31 | 7 14 |
| T 15 | 18 56 | 16 15 | 4 17 | 22 46 | 1 23 | 3 51 | 1 34 | 22 3 | 0 16 | 4 4 | 0 54 | 9 40 | 1 12 | 23 22 | 0 13 | 11 7 | 0 12 | 12 59 | 10 20 | 10 7 | 10 16 | 20 3 | 9 30 | 7 15 |
| F 16 | 19 10 | 21 37 | 4 49 | 23 13 | 1 32 | 4 15 | 1 36 | 22 2 | 0 19 | 4 0 | 0 54 | 9 39 | 1 12 | 23 23 | 0 13 | 11 7 | 0 12 | 12 59 | 10 20 | 10 10 | 10 18 | 20 6 | 9 29 | 7 15 |
| S 17 | 19 23 | 25 32 | 5 0 | 23 39 | 1 40 | 4 40 | 1 38 | 22 2 | 0 22 | 3 56 | 0 55 | 9 38 | 1 12 | 23 23 | 0 13 | 11 7 | 0 12 | 12 58 | 10 20 | 10 14 | 10 19 | 20 8 | 9 29 | 7 16 |
| S 18 | 19 36 | 27 36 | 4 50 | 24 2 | 1 48 | 5 4 | 1 40 | 22 2 | 0 24 | 3 53 | 0 55 | 9 37 | 1 13 | 23 23 | 0 13 | 11 7 | 0 12 | 12 58 | 10 20 | 10 18 | 10 20 | 20 10 | 9 28 | 7 16 |
| M19 | 19 49 | 27 38 | 4 21 | 24 22 | 1 55 | 5 29 | 1 42 | 22 2 | 0 27 | 3 49 | 0 55 | 9 36 | 1 13 | 23 23 | 0 13 | 11 7 | 0 12 | 12 58 | 10 20 | 10 21 | 10 21 | 20 13 | 9 28 | 7 17 |
| T 20 | 20 2 | 25 45 | 3 35 | 24 40 | 2 2 | 5 53 | 1 44 | 22 1 | 0 30 | 3 46 | 0 55 | 9 35 | 1 13 | 23 23 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 10 24 | 10 22 | 20 15 | 9 27 | 7 17 |
| W21 | 20 14 | 22 21 | 2 38 | 24 55 | 2 7 | 6 17 | 1 46 | 22 1 | 0 33 | 3 42 | 0 55 | 9 34 | 1 13 | 23 23 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 10 26 | 10 23 | 20 17 | 9 27 | 7 18 |
| T 22 | 20 25 | 17 52 | 1 34 | 25 8 | 2 12 | 6 42 | 1 48 | 22 0 | 0 36 | 3 39 | 0 56 | 9 34 | 1 13 | 23 23 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 10 26 | 10 24 | 20 20 | 9 26 | 7 18 |
| F 23 | 20 37 | 12 40 | 0 27 | 25 19 | 2 16 | 7 6 | 1 49 | 21 59 | 0 38 | 3 35 | 0 56 | 9 33 | 1 14 | 23 23 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 10 27 | 10 26 | 20 22 | 9 26 | 7 19 |
| S 24 | 20 48 | 7 7 | 0n39 | 25 28 | 2 19 | 7 30 | 1 51 | 21 58 | 0 41 | 3 32 | 0 56 | 9 32 | 1 14 | 23 23 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 10 27 | 10 27 | 20 24 | 9 25 | 7 19 |
| S 25 | 20 59 | 1 25 | 1 42 | 25 34 | 2 22 | 7 54 | 1 52 | 21 58 | 0 44 | 3 29 | 0 56 | 9 31 | 1 14 | 23 23 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 10 27 | 10 28 | 20 27 | 9 25 | 7 20 |
| M26 | 21 9 | 4n13 | 2 39 | 25 39 | 2 23 | 8 18 | 1 53 | 21 57 | 0 47 | 3 25 | 0 56 | 9 31 | 1 14 | 23 24 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 10 28 | 10 29 | 20 29 | 9 25 | 7 20 |
| T 27 | 21 19 | 9 38 | 3 29 | 25 41 | 2 24 | 8 42 | 1 54 | 21 56 | 0 50 | 3 22 | 0 57 | 9 30 | 1 14 | 23 24 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 10 29 | 10 30 | 20 31 | 9 24 | 7 21 |
| W28 | 21 28 | 14 40 | 4 9 | 25 42 | 2 23 | 9 6 | 1 55 | 21 54 | 0 52 | 3 19 | 0 57 | 9 29 | 1 14 | 23 24 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 10 32 | 10 31 | 20 34 | 9 24 | 7 21 |
| T 29 | 21 38 | 19 9 | 4 38 | 25 41 | 2 22 | 9 29 | 1 56 | 21 53 | 0 55 | 3 16 | 0 57 | 9 29 | 1 15 | 23 24 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 10 36 | 10 32 | 20 36 | 9 24 | 7 22 |
| F 30 | 21 46 | 22 54 | 4 55 | 25 38 | 2 20 | 9 53 | 1 57 | 21 52 | 0 58 | 3 13 | 0 57 | 9 28 | 1 15 | 23 24 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 10 40 | 10 34 | 20 38 | 9 23 | 7 22 |
| S 31 | 21n55 | 25n43 | 4n59 | 25n34 | 2n16 | 10n16 | 1s58 | 21s50 | 1s 1 | 3s10 | 0s58 | 9s28 | 1s15 | 23s24 | 0s13 | 11s 6 | 0s12 | 12s58 | 10n21 | 10s45 | 10s35 | 20n41 | 9s23 | 7n23 |

Julian Day Number = 2814716.5, Delta T = 54m15s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°39'35, Lahiri = 37°46'35


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# ASTRODIENST EPHEMERIS for the year 2994
# geocentric

## JUNE 2994 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 40 27 | 11♊31'46 | 15♊53 | 3♋28 | 3♉12 | 3°R42 | 24♓21 | 8♓38 | 5°R46 | 1♓26 | 29°R14 | 1°R38 | 2♓19 | 14♉18 | 14°R14 | S 1 |
| M 2 | 16 44 24 | 12°29'40 | 28° 0 | 4°26 | 4°22 | 3♐20 | 24°28 | 8°39 | 5♑43 | 1°26 | 29♐13 | 1♓25 | 2°15 | 14°25 | 14♒14 | M 2 |
| T 3 | 16 48 20 | 13°27'33 | 10♋14 | 5°20 | 5°33 | 2°59 | 24°36 | 8°41 | 5°41 | 1°R26 | 29°11 | 1°15 | 2°12 | 14°31 | 14°13 | T 3 |
| W 4 | 16 52 17 | 14°25'24 | 22°38 | 6° 9 | 6°43 | 2°38 | 24°44 | 8°42 | 5°39 | 1°26 | 29°10 | 1° 7 | 2° 9 | 14°38 | 14°12 | W 4 |
| T 5 | 16 56 13 | 15°23'14 | 5♌12 | 6°54 | 7°53 | 2°17 | 24°51 | 8°44 | 5°37 | 1°26 | 29° 8 | 1° 2 | 2° 6 | 14°45 | 14°10 | T 5 |
| F 6 | 17 0 10 | 16°21'02 | 17°58 | 7°35 | 9° 4 | 1°56 | 24°58 | 8°45 | 5°35 | 1°26 | 29° 7 | 0°59 | 2° 3 | 14°51 | 14° 9 | F 6 |
| S 7 | 17 4 6 | 17°18'49 | 1♍ 1 | 8°11 | 10°14 | 1°36 | 25° 5 | 8°46 | 5°32 | 1°26 | 29° 5 | 0°D59 | 2° 0 | 14°58 | 14° 8 | S 7 |
| S 8 | 17 8 3 | 18°16'34 | 14°21 | 8°42 | 11°25 | 1°16 | 25°12 | 8°47 | 5°30 | 1°26 | 29° 4 | 0°R59 | 1°56 | 15° 5 | 14° 7 | S 8 |
| M 9 | 17 11 59 | 19°14'17 | 28° 3 | 9° 9 | 12°35 | 0°57 | 25°19 | 8°48 | 5°28 | 1°26 | 29° 2 | 0°59 | 1°53 | 15°12 | 14° 5 | M 9 |
| T 10 | 17 15 56 | 20°11'59 | 12♎ 7 | 9°31 | 13°46 | 0°38 | 25°25 | 8°49 | 5°25 | 1°25 | 29° 0 | 0°57 | 1°50 | 15°18 | 14° 4 | T 10 |
| W11 | 17 19 53 | 21° 9'39 | 26°34 | 9°48 | 14°56 | 0°20 | 25°32 | 8°49 | 5°23 | 1°25 | 28°59 | 0°53 | 1°47 | 15°25 | 14° 2 | W11 |
| T 12 | 17 23 49 | 22° 7'18 | 11♏19 | 10° 1 | 16° 7 | 0° 2 | 25°38 | 8°50 | 5°20 | 1°25 | 28°57 | 0°47 | 1°44 | 15°32 | 14° 1 | T 12 |
| F 13 | 17 27 46 | 23° 4'55 | 26°19 | 10° 9 | 17°18 | 29♏45 | 25°44 | 8°51 | 5°18 | 1°25 | 28°56 | 0°38 | 1°41 | 15°38 | 13°59 | F 13 |
| S 14 | 17 31 42 | 24° 2'31 | 11♐23 | 10°R12 | 18°28 | 29°28 | 25°50 | 8°51 | 5°16 | 1°24 | 28°54 | 0°29 | 1°37 | 15°45 | 13°57 | S 14 |
| S 15 | 17 35 39 | 25° 0'06 | 26°22 | 10°10 | 19°39 | 29°12 | 25°56 | 8°51 | 5°13 | 1°24 | 28°52 | 0°19 | 1°34 | 15°52 | 13°55 | S 15 |
| M16 | 17 39 35 | 25°57'40 | 11♑ 7 | 10° 4 | 20°50 | 28°57 | 26° 1 | 8°52 | 5°11 | 1°23 | 28°51 | 0°11 | 1°31 | 15°59 | 13°53 | M16 |
| T 17 | 17 43 32 | 26°55'13 | 25°31 | 9°54 | 22° 1 | 28°43 | 26° 7 | 8°52 | 5° 8 | 1°23 | 28°49 | 0° 4 | 1°28 | 16° 5 | 13°52 | T 17 |
| W18 | 17 47 29 | 27°52'45 | 9♒27 | 9°40 | 23°12 | 28°29 | 26°12 | 8°R52 | 5° 6 | 1°22 | 28°48 | 0° 0 | 1°25 | 16°12 | 13°50 | W18 |
| T 19 | 17 51 25 | 28°50'17 | 22°56 | 9°22 | 24°23 | 28°16 | 26°17 | 8°52 | 5° 4 | 1°22 | 28°46 | 29♒59 | 1°21 | 16°19 | 13°47 | T 19 |
| F 20 | 17 55 22 | 29°47'47 | 5♓58 | 9° 0 | 25°34 | 28° 3 | 26°22 | 8°52 | 5° 1 | 1°21 | 28°44 | 29°D59 | 1°18 | 16°26 | 13°45 | F 20 |
| S 21 | 17 59 18 | 0♋45'16 | 18°36 | 8°35 | 26°45 | 27°52 | 26°27 | 8°51 | 4°59 | 1°21 | 28°43 | 29°59 | 1°15 | 16°32 | 13°43 | S 21 |
| S 22 | 18 3 15 | 1°42'45 | 0♈56 | 8° 8 | 27°56 | 27°41 | 26°31 | 8°51 | 4°56 | 1°20 | 28°41 | 29°R59 | 1°12 | 16°39 | 13°41 | S 22 |
| M23 | 18 7 11 | 2°40'14 | 13° 0 | 7°38 | 29° 7 | 27°31 | 26°36 | 8°51 | 4°54 | 1°20 | 28°40 | 29°59 | 1° 9 | 16°46 | 13°39 | M23 |
| T 24 | 18 11 8 | 3°37'41 | 24°56 | 7° 6 | 0♊19 | 27°21 | 26°40 | 8°50 | 4°51 | 1°19 | 28°38 | 29°57 | 1° 6 | 16°52 | 13°36 | T 24 |
| W25 | 18 15 4 | 4°35'08 | 6♉48 | 6°33 | 1°30 | 27°13 | 26°44 | 8°49 | 4°49 | 1°18 | 28°36 | 29°52 | 1° 2 | 16°59 | 13°34 | W25 |
| T 26 | 18 19 1 | 5°32'35 | 18°39 | 6° 0 | 2°41 | 27° 5 | 26°48 | 8°49 | 4°46 | 1°18 | 28°35 | 29°45 | 0°59 | 17° 6 | 13°32 | T 26 |
| F 27 | 18 22 58 | 6°30'01 | 0♊34 | 5°26 | 3°52 | 26°58 | 26°52 | 8°48 | 4°44 | 1°17 | 28°33 | 29°37 | 0°56 | 17°13 | 13°29 | F 27 |
| S 28 | 18 26 54 | 7°27'26 | 12°34 | 4°53 | 5° 4 | 26°52 | 26°55 | 8°47 | 4°41 | 1°16 | 28°32 | 29°28 | 0°53 | 17°19 | 13°26 | S 28 |
| S 29 | 18 30 51 | 8°24'51 | 24°43 | 4°21 | 6°15 | 26°47 | 26°59 | 8°46 | 4°39 | 1°15 | 28°30 | 29°18 | 0°50 | 17°26 | 13°24 | S 29 |
| M30 | 18 34 47 | 9♋22'15 | 7♋ 1 | 3♋50 | 7♊27 | 26♏43 | 27♓ 2 | 8♓45 | 4♑36 | 1♓14 | 28♐28 | 29♒ 9 | 0♓47 | 17♉33 | 13♒21 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n 3 | 27n23 | 4n51 | 25n28 | 2n12 | 10n39 | 1s59 | 21s49 | 1s 3 | 3s 7 | 0s58 | 9s27 | 1s15 | 23s24 | 0s13 | 11s 6 | 0s12 | 12s58 | 10n21 | 10s50 | 10s36 | 20n43 | 9s23 | 7n23 |
| M 2 | 22 10 | 27 46 | 4 29 | 25 21 | 2 7 | 11 2 | 1 59 | 21 48 | 1 6 | 3 4 | 0 58 | 9 27 | 1 15 | 23 24 | 0 13 | 11 6 | 0 12 | 12 57 | 10 21 | 10 55 | 10 37 | 20 45 | 9 23 | 7 24 |
| T 3 | 22 18 | 26 48 | 3 54 | 25 13 | 2 1 | 11 25 | 2 0 | 21 46 | 1 9 | 3 2 | 0 58 | 9 27 | 1 16 | 23 24 | 0 13 | 11 6 | 0 12 | 12 57 | 10 21 | 10 58 | 10 38 | 20 48 | 9 23 | 7 24 |
| W 4 | 22 25 | 24 31 | 3 8 | 25 4 | 1 54 | 11 48 | 2 0 | 21 45 | 1 11 | 2 59 | 0 59 | 9 26 | 1 16 | 23 25 | 0 13 | 11 6 | 0 12 | 12 57 | 10 21 | 11 1 | 10 39 | 20 50 | 9 22 | 7 25 |
| T 5 | 22 31 | 21 0 | 2 12 | 24 54 | 1 46 | 12 10 | 2 0 | 21 43 | 1 14 | 2 56 | 0 59 | 9 26 | 1 16 | 23 25 | 0 13 | 11 6 | 0 12 | 12 57 | 10 21 | 11 3 | 10 40 | 20 52 | 9 22 | 7 25 |
| F 6 | 22 37 | 16 27 | 1 8 | 24 42 | 1 37 | 12 32 | 2 1 | 21 41 | 1 17 | 2 54 | 0 59 | 9 26 | 1 16 | 23 25 | 0 13 | 11 6 | 0 12 | 12 57 | 10 21 | 11 4 | 10 41 | 20 54 | 9 22 | 7 26 |
| S 7 | 22 43 | 11 3 | 0s 0 | 24 30 | 1 27 | 12 54 | 2 1 | 21 40 | 1 19 | 2 51 | 0 59 | 9 25 | 1 16 | 23 25 | 0 13 | 11 6 | 0 12 | 12 57 | 10 21 | 11 4 | 10 43 | 20 57 | 9 22 | 7 26 |
| S 8 | 22 48 | 5 3 | 1 10 | 24 17 | 1 16 | 13 16 | 2 1 | 21 38 | 1 22 | 2 49 | 1 0 | 9 25 | 1 17 | 23 25 | 0 13 | 11 6 | 0 12 | 12 57 | 10 21 | 11 4 | 10 44 | 20 59 | 9 22 | 7 27 |
| M 9 | 22 53 | 1s21 | 2 18 | 24 4 | 1 4 | 13 37 | 2 1 | 21 37 | 1 24 | 2 46 | 1 0 | 9 25 | 1 17 | 23 25 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 11 4 | 10 45 | 21 1 | 9 22 | 7 27 |
| T 10 | 22 57 | 7 50 | 3 20 | 23 50 | 0 52 | 13 58 | 2 0 | 21 35 | 1 27 | 2 44 | 1 0 | 9 25 | 1 17 | 23 25 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 11 5 | 10 46 | 21 3 | 9 22 | 7 28 |
| W11 | 23 1 | 14 5 | 4 10 | 23 35 | 0 38 | 14 19 | 2 0 | 21 34 | 1 29 | 2 42 | 1 0 | 9 25 | 1 17 | 23 25 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 11 6 | 10 47 | 21 6 | 9 22 | 7 28 |
| T 12 | 23 5 | 19 40 | 4 45 | 23 20 | 0 24 | 14 40 | 2 0 | 21 32 | 1 31 | 2 39 | 1 1 | 9 25 | 1 17 | 23 25 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 11 8 | 10 48 | 21 8 | 9 22 | 7 29 |
| F 13 | 23 8 | 24 6 | 5 2 | 23 5 | 0 9 | 15 0 | 1 59 | 21 31 | 1 34 | 2 37 | 1 1 | 9 25 | 1 18 | 23 26 | 0 13 | 11 6 | 0 12 | 12 58 | 10 21 | 11 11 | 10 49 | 21 10 | 9 22 | 7 29 |
| S 14 | 23 11 | 26 56 | 4 57 | 22 49 | 0s 7 | 15 20 | 1 59 | 21 30 | 1 36 | 2 35 | 1 1 | 9 25 | 1 18 | 23 26 | 0 13 | 11 7 | 0 12 | 12 58 | 10 21 | 11 15 | 10 50 | 21 12 | 9 22 | 7 29 |
| S 15 | 23 13 | 27 48 | 4 32 | 22 33 | 0 23 | 15 39 | 1 58 | 21 28 | 1 38 | 2 33 | 1 1 | 9 25 | 1 18 | 23 26 | 0 13 | 11 7 | 0 12 | 12 58 | 10 21 | 11 18 | 10 52 | 21 14 | 9 22 | 7 30 |
| M16 | 23 15 | 26 39 | 3 49 | 22 17 | 0 39 | 15 59 | 1 58 | 21 27 | 1 40 | 2 31 | 1 2 | 9 25 | 1 18 | 23 26 | 0 13 | 11 7 | 0 12 | 12 58 | 10 21 | 11 21 | 10 53 | 21 17 | 9 22 | 7 30 |
| T 17 | 23 17 | 23 45 | 2 53 | 22 0 | 0 56 | 16 18 | 1 57 | 21 26 | 1 42 | 2 29 | 1 2 | 9 25 | 1 18 | 23 26 | 0 13 | 11 7 | 0 12 | 12 58 | 10 21 | 11 23 | 10 54 | 21 19 | 9 22 | 7 31 |
| W18 | 23 18 | 19 31 | 1 47 | 21 44 | 1 14 | 16 36 | 1 56 | 21 25 | 1 44 | 2 27 | 1 2 | 9 25 | 1 19 | 23 26 | 0 13 | 11 7 | 0 12 | 12 58 | 10 21 | 11 25 | 10 55 | 21 21 | 9 22 | 7 31 |
| T 19 | 23 18 | 14 23 | 0 38 | 21 28 | 1 31 | 16 54 | 1 55 | 21 24 | 1 46 | 2 26 | 1 2 | 9 25 | 1 19 | 23 26 | 0 13 | 11 7 | 0 12 | 12 58 | 10 20 | 11 25 | 10 56 | 21 23 | 9 23 | 7 32 |
| F 20 | 23 19 | 8 47 | 0n32 | 21 12 | 1 49 | 17 12 | 1 54 | 21 23 | 1 48 | 2 24 | 1 3 | 9 26 | 1 19 | 23 26 | 0 13 | 11 8 | 0 12 | 12 58 | 10 20 | 11 25 | 10 57 | 21 25 | 9 23 | 7 32 |
| S 21 | 23 19 | 2 59 | 1 38 | 20 57 | 2 6 | 17 30 | 1 53 | 21 22 | 1 50 | 2 22 | 1 3 | 9 26 | 1 19 | 23 26 | 0 13 | 11 8 | 0 12 | 12 58 | 10 20 | 11 25 | 10 58 | 21 28 | 9 23 | 7 32 |
| S 22 | 23 18 | 2n47 | 2 38 | 20 41 | 2 23 | 17 47 | 1 52 | 21 21 | 1 52 | 2 21 | 1 3 | 9 26 | 1 19 | 23 26 | 0 13 | 11 8 | 0 12 | 12 58 | 10 20 | 11 25 | 10 59 | 21 30 | 9 23 | 7 33 |
| M23 | 23 17 | 8 19 | 3 29 | 20 26 | 2 39 | 18 3 | 1 51 | 21 21 | 1 54 | 2 19 | 1 4 | 9 27 | 1 20 | 23 27 | 0 13 | 11 8 | 0 12 | 12 58 | 10 20 | 11 25 | 11 1 | 21 32 | 9 24 | 7 33 |
| T 24 | 23 16 | 13 30 | 4 11 | 20 12 | 2 55 | 18 19 | 1 49 | 21 20 | 1 55 | 2 18 | 1 4 | 9 27 | 1 20 | 23 27 | 0 13 | 11 8 | 0 12 | 12 58 | 10 20 | 11 26 | 11 2 | 21 34 | 9 24 | 7 33 |
| W25 | 23 14 | 18 8 | 4 41 | 19 59 | 3 11 | 18 35 | 1 48 | 21 20 | 1 57 | 2 16 | 1 4 | 9 27 | 1 20 | 23 27 | 0 13 | 11 9 | 0 12 | 12 59 | 10 20 | 11 27 | 11 3 | 21 36 | 9 24 | 7 34 |
| T 26 | 23 12 | 22 5 | 5 0 | 19 46 | 3 25 | 18 51 | 1 47 | 21 20 | 1 59 | 2 15 | 1 4 | 9 28 | 1 20 | 23 27 | 0 13 | 11 9 | 0 12 | 12 59 | 10 20 | 11 30 | 11 4 | 21 38 | 9 25 | 7 34 |
| F 27 | 23 9 | 25 8 | 5 5 | 19 34 | 3 38 | 19 5 | 1 45 | 21 20 | 2 0 | 2 14 | 1 5 | 9 28 | 1 20 | 23 27 | 0 13 | 11 9 | 0 12 | 12 59 | 10 19 | 11 33 | 11 5 | 21 40 | 9 25 | 7 34 |
| S 28 | 23 6 | 27 6 | 4 57 | 19 23 | 3 50 | 19 20 | 1 44 | 21 20 | 2 2 | 2 13 | 1 5 | 9 29 | 1 21 | 23 27 | 0 13 | 11 10 | 0 12 | 12 59 | 10 19 | 11 36 | 11 6 | 21 43 | 9 25 | 7 35 |
| S 29 | 23 3 | 27 48 | 4 36 | 19 13 | 4 1 | 19 34 | 1 42 | 21 20 | 2 3 | 2 12 | 1 5 | 9 29 | 1 21 | 23 27 | 0 13 | 11 10 | 0 12 | 12 59 | 10 19 | 11 39 | 11 7 | 21 45 | 9 26 | 7 35 |
| M30 | 22n59 | 27n 9 | 4n 2 | 19n 5 | 4s11 | 19n47 | 1s40 | 21s20 | 2s 5 | 2s11 | 1s 5 | 9s30 | 1s21 | 23s27 | 0s13 | 11s10 | 0s12 | 12s59 | 10n19 | 11s42 | 11s 8 | 21n47 | 9s26 | 7n35 |

Julian Day Number = 2814747.5, Delta T = 54m16s
Ecliptic obliquity = 23°18'45, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°39'39, Lahiri = 37°46'40


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# ASTRODIENST EPHEMERIS for the year 2994
# geocentric

## JULY 2994 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 38 44 | 10♋19'39 | 19♋30 | 3°R22 | 8♊38 | 26°R39 | 27♓ 5 | 8°R44 | 4°R34 | 1°R14 | 28°R27 | 29°R 2 | 0♓43 | 17♉39 | 13°R19 | T 1 |
| W 2 | 18 42 40 | 11°17'02 | 2♌ 9 | 2♋56 | 9°50 | 26♏37 | 27° 8 | 8♓42 | 4♉32 | 1♓13 | 28♐25 | 28♒57 | 0°40 | 17°46 | 13♒16 | W 2 |
| T 3 | 18 46 37 | 12°14'24 | 15° 0 | 2°33 | 11° 1 | 26°35 | 27°10 | 8°41 | 4°29 | 1°12 | 28°24 | 28°54 | 0°37 | 17°53 | 13°13 | T 3 |
| F 4 | 18 50 33 | 13°11'45 | 28° 3 | 2°14 | 12°13 | 26°34 | 27°13 | 8°39 | 4°27 | 1°11 | 28°22 | 28°D53 | 0°34 | 18° 0 | 13°10 | F 4 |
| S 5 | 18 54 30 | 14° 9'05 | 11♍18 | 1°58 | 13°24 | 26°D33 | 27°15 | 8°38 | 4°24 | 1°10 | 28°21 | 28°53 | 0°31 | 18° 6 | 13° 7 | S 5 |
| S 6 | 18 58 27 | 15° 6'25 | 24°48 | 1°47 | 14°36 | 26°34 | 27°17 | 8°36 | 4°22 | 1° 9 | 28°19 | 28°54 | 0°27 | 18°13 | 13° 4 | S 6 |
| M 7 | 19 2 23 | 16° 3'44 | 8♎33 | 1°39 | 15°48 | 26°36 | 27°19 | 8°34 | 4°19 | 1° 8 | 28°18 | 28°56 | 0°24 | 18°20 | 13° 1 | M 7 |
| T 8 | 19 6 20 | 17° 1'02 | 22°33 | 1°D36 | 16°59 | 26°38 | 27°21 | 8°33 | 4°17 | 1° 7 | 28°16 | 28°R56 | 0°21 | 18°26 | 12°58 | T 8 |
| W 9 | 19 10 16 | 17°58'20 | 6♏48 | 1°38 | 18°11 | 26°41 | 27°22 | 8°31 | 4°15 | 1° 6 | 28°15 | 28°54 | 0°18 | 18°33 | 12°55 | W 9 |
| T 10 | 19 14 13 | 18°55'36 | 21°16 | 1°44 | 19°23 | 26°45 | 27°23 | 8°29 | 4°12 | 1° 5 | 28°13 | 28°51 | 0°15 | 18°40 | 12°52 | T 10 |
| F 11 | 19 18 9 | 19°52'53 | 5♐52 | 1°55 | 20°35 | 26°49 | 27°24 | 8°26 | 4°10 | 1° 4 | 28°12 | 28°47 | 0°12 | 18°47 | 12°49 | F 11 |
| S 12 | 19 22 6 | 20°50'08 | 20°32 | 2°11 | 21°46 | 26°55 | 27°25 | 8°24 | 4° 8 | 1° 3 | 28°10 | 28°41 | 0° 8 | 18°53 | 12°46 | S 12 |
| S 13 | 19 26 3 | 21°47'24 | 5♑ 8 | 2°32 | 22°58 | 27° 1 | 27°26 | 8°22 | 4° 5 | 1° 1 | 28° 9 | 28°36 | 0° 5 | 19° 0 | 12°43 | S 13 |
| M14 | 19 29 59 | 22°44'38 | 19°34 | 2°57 | 24°10 | 27° 7 | 27°27 | 8°20 | 4° 3 | 1° 0 | 28° 7 | 28°31 | 0° 2 | 19° 7 | 12°40 | M14 |
| T 15 | 19 33 56 | 23°41'53 | 3♒43 | 3°27 | 25°22 | 27°15 | 27°27 | 8°17 | 4° 1 | 0°59 | 28° 6 | 28°27 | 29♒59 | 19°14 | 12°36 | T 15 |
| W16 | 19 37 52 | 24°39'07 | 17°31 | 4° 2 | 26°34 | 27°23 | 27°R27 | 8°15 | 3°58 | 0°58 | 28° 5 | 28°25 | 29°56 | 19°20 | 12°33 | W16 |
| T 17 | 19 41 49 | 25°36'22 | 0♓55 | 4°42 | 27°46 | 27°32 | 27°27 | 8°12 | 3°56 | 0°57 | 28° 3 | 28°D25 | 29°53 | 19°27 | 12°30 | T 17 |
| F 18 | 19 45 45 | 26°33'36 | 13°57 | 5°26 | 28°58 | 27°42 | 27°27 | 8° 9 | 3°54 | 0°55 | 28° 2 | 28°26 | 29°49 | 19°34 | 12°27 | F 18 |
| S 19 | 19 49 42 | 27°30'50 | 26°37 | 6°15 | 0♋10 | 27°52 | 27°26 | 8° 7 | 3°52 | 0°54 | 28° 0 | 28°27 | 29°46 | 19°40 | 12°23 | S 19 |
| S 20 | 19 53 38 | 28°28'04 | 8♈59 | 7° 8 | 1°22 | 28° 3 | 27°26 | 8° 4 | 3°50 | 0°53 | 27°59 | 28°29 | 29°43 | 19°47 | 12°20 | S 20 |
| M21 | 19 57 35 | 29°25'19 | 21° 6 | 8° 6 | 2°35 | 28°15 | 27°25 | 8° 1 | 3°47 | 0°51 | 27°58 | 28°30 | 29°40 | 19°54 | 12°17 | M21 |
| T 22 | 20 1 32 | 0♌22'34 | 3♉ 5 | 9° 8 | 3°47 | 28°27 | 27°24 | 7°58 | 3°45 | 0°50 | 27°56 | 28°R30 | 29°37 | 20° 1 | 12°13 | T 22 |
| W23 | 20 5 28 | 1°19'49 | 14°58 | 10°14 | 4°59 | 28°40 | 27°22 | 7°55 | 3°43 | 0°49 | 27°55 | 28°29 | 29°33 | 20° 7 | 12°10 | W23 |
| T 24 | 20 9 25 | 2°17'05 | 26°51 | 11°25 | 6°11 | 28°54 | 27°21 | 7°51 | 3°41 | 0°47 | 27°54 | 28°27 | 29°30 | 20°14 | 12° 6 | T 24 |
| F 25 | 20 13 21 | 3°14'21 | 8♊48 | 12°40 | 7°24 | 29° 8 | 27°19 | 7°48 | 3°39 | 0°46 | 27°53 | 28°24 | 29°27 | 20°21 | 12° 3 | F 25 |
| S 26 | 20 17 18 | 4°11'37 | 20°53 | 13°59 | 8°36 | 29°23 | 27°18 | 7°45 | 3°37 | 0°45 | 27°51 | 28°21 | 29°24 | 20°27 | 11°59 | S 26 |
| S 27 | 20 21 14 | 5° 8'53 | 3♋ 9 | 15°23 | 9°48 | 29°39 | 27°16 | 7°42 | 3°35 | 0°43 | 27°50 | 28°17 | 29°21 | 20°34 | 11°56 | S 27 |
| M28 | 20 25 11 | 6° 6'10 | 15°38 | 16°50 | 11° 1 | 29°55 | 27°13 | 7°38 | 3°33 | 0°42 | 27°49 | 28°14 | 29°18 | 20°41 | 11°52 | M28 |
| T 29 | 20 29 7 | 7° 3'27 | 28°21 | 18°21 | 12°13 | 0♐12 | 27°11 | 7°35 | 3°31 | 0°40 | 27°48 | 28°11 | 29°14 | 20°48 | 11°49 | T 29 |
| W30 | 20 33 4 | 8° 0'45 | 11♌19 | 19°56 | 13°26 | 0°29 | 27° 8 | 7°31 | 3°29 | 0°39 | 27°47 | 28° 9 | 29°11 | 20°54 | 11°45 | W30 |
| T 31 | 20 37 1 | 8♌58'02 | 24♌31 | 21♋35 | 14♋38 | 0♐47 | 27♓ 6 | 7♓28 | 3♉27 | 0♓37 | 27♐46 | 28°D 8 | 29♒ 8 | 21♉ 1 | 11♒42 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n55 | 25n 8 | 3n16 | 18n57 | 4s19 | 20n 0 | 1s39 | 21s21 | 2s 6 | 2s10 | 1s 6 | 9s31 | 1s21 | 23s27 | 0s13 | 11s11 | 0s12 | 12s59 | 10n19 | 11s45 | 11s10 | 21n49 | 9s27 | 7n36 |
| W 2 | 22 50 | 21 50 | 2 19 | 18 51 | 4 26 | 20 13 | 1 37 | 21 22 | 2 7 | 2 9 | 1 6 | 9 31 | 1 21 | 23 27 | 0 13 | 11 11 | 0 12 | 13 0 | 10 19 | 11 47 | 11 11 | 21 51 | 9 27 | 7 36 |
| T 3 | 22 45 | 17 26 | 1 14 | 18 46 | 4 31 | 20 24 | 1 35 | 21 22 | 2 9 | 2 8 | 1 6 | 9 32 | 1 22 | 23 28 | 0 13 | 11 11 | 0 12 | 13 0 | 10 19 | 11 48 | 11 12 | 21 53 | 9 28 | 7 36 |
| F 4 | 22 40 | 12 10 | 0 5 | 18 43 | 4 35 | 20 36 | 1 33 | 21 23 | 2 10 | 2 7 | 1 7 | 9 33 | 1 22 | 23 28 | 0 13 | 11 12 | 0 12 | 13 0 | 10 18 | 11 48 | 11 13 | 21 55 | 9 28 | 7 37 |
| S 5 | 22 34 | 6 15 | 1s 7 | 18 41 | 4 37 | 20 47 | 1 31 | 21 25 | 2 11 | 2 7 | 1 7 | 9 34 | 1 22 | 23 28 | 0 13 | 11 12 | 0 12 | 13 0 | 10 18 | 11 48 | 11 14 | 21 57 | 9 29 | 7 37 |
| S 6 | 22 28 | 0s 1 | 2 16 | 18 40 | 4 38 | 20 57 | 1 29 | 21 26 | 2 12 | 2 6 | 1 7 | 9 34 | 1 22 | 23 28 | 0 13 | 11 12 | 0 13 | 13 0 | 10 18 | 11 48 | 11 15 | 21 59 | 9 29 | 7 37 |
| M 7 | 22 21 | 6 24 | 3 18 | 18 40 | 4 38 | 21 7 | 1 27 | 21 27 | 2 13 | 2 6 | 1 7 | 9 35 | 1 22 | 23 28 | 0 13 | 11 13 | 0 13 | 13 0 | 10 18 | 11 47 | 11 16 | 22 2 | 9 30 | 7 37 |
| T 8 | 22 14 | 12 36 | 4 10 | 18 42 | 4 36 | 21 16 | 1 25 | 21 29 | 2 14 | 2 5 | 1 8 | 9 36 | 1 23 | 23 28 | 0 13 | 11 13 | 0 13 | 13 1 | 10 18 | 11 47 | 11 17 | 22 4 | 9 30 | 7 38 |
| W 9 | 22 7 | 18 14 | 4 47 | 18 44 | 4 34 | 21 25 | 1 23 | 21 30 | 2 15 | 2 5 | 1 8 | 9 37 | 1 23 | 23 28 | 0 13 | 11 13 | 0 13 | 13 1 | 10 17 | 11 48 | 11 18 | 22 6 | 9 31 | 7 38 |
| T 10 | 21 59 | 22 55 | 5 7 | 18 48 | 4 30 | 21 33 | 1 21 | 21 32 | 2 16 | 2 5 | 1 8 | 9 38 | 1 23 | 23 28 | 0 13 | 11 14 | 0 13 | 13 1 | 10 17 | 11 49 | 11 20 | 22 8 | 9 31 | 7 38 |
| F 11 | 21 51 | 26 13 | 5 7 | 18 53 | 4 25 | 21 40 | 1 18 | 21 34 | 2 17 | 2 5 | 1 9 | 9 39 | 1 23 | 23 28 | 0 13 | 11 14 | 0 13 | 13 1 | 10 17 | 11 50 | 11 21 | 22 10 | 9 32 | 7 38 |
| S 12 | 21 42 | 27 46 | 4 48 | 18 59 | 4 19 | 21 47 | 1 16 | 21 36 | 2 18 | 2 5 | 1 9 | 9 40 | 1 23 | 23 28 | 0 13 | 11 15 | 0 13 | 13 1 | 10 17 | 11 52 | 11 22 | 22 12 | 9 33 | 7 38 |
| S 13 | 21 34 | 27 22 | 4 9 | 19 6 | 4 11 | 21 54 | 1 14 | 21 39 | 2 19 | 2 4 | 1 9 | 9 41 | 1 23 | 23 28 | 0 13 | 11 15 | 0 13 | 13 2 | 10 16 | 11 54 | 11 23 | 22 14 | 9 33 | 7 39 |
| M14 | 21 24 | 25 7 | 3 16 | 19 13 | 4 3 | 22 0 | 1 12 | 21 41 | 2 20 | 2 5 | 1 9 | 9 42 | 1 24 | 23 28 | 0 13 | 11 15 | 0 13 | 13 2 | 10 16 | 11 56 | 11 24 | 22 16 | 9 34 | 7 39 |
| T 15 | 21 15 | 21 20 | 2 10 | 19 21 | 3 55 | 22 5 | 1 9 | 21 43 | 2 21 | 2 5 | 1 10 | 9 43 | 1 24 | 23 29 | 0 13 | 11 16 | 0 13 | 13 2 | 10 16 | 11 57 | 11 25 | 22 18 | 9 35 | 7 39 |
| W16 | 21 5 | 16 27 | 0 59 | 19 30 | 3 45 | 22 9 | 1 7 | 21 46 | 2 21 | 2 5 | 1 10 | 9 44 | 1 24 | 23 29 | 0 13 | 11 16 | 0 13 | 13 2 | 10 16 | 11 58 | 11 26 | 22 20 | 9 36 | 7 39 |
| T 17 | 20 55 | 10 52 | 0n14 | 19 39 | 3 35 | 22 13 | 1 4 | 21 49 | 2 22 | 2 5 | 1 10 | 9 45 | 1 24 | 23 29 | 0 13 | 11 17 | 0 13 | 13 2 | 10 15 | 11 58 | 11 27 | 22 22 | 9 36 | 7 39 |
| F 18 | 20 44 | 4 59 | 1 24 | 19 48 | 3 24 | 22 17 | 1 2 | 21 52 | 2 23 | 2 6 | 1 11 | 9 46 | 1 24 | 23 29 | 0 13 | 11 17 | 0 13 | 13 3 | 10 15 | 11 58 | 11 28 | 22 24 | 9 37 | 7 39 |
| S 19 | 20 33 | 0n56 | 2 28 | 19 57 | 3 13 | 22 19 | 0 59 | 21 55 | 2 23 | 2 6 | 1 11 | 9 48 | 1 25 | 23 29 | 0 13 | 11 18 | 0 13 | 13 3 | 10 15 | 11 57 | 11 30 | 22 26 | 9 38 | 7 40 |
| S 20 | 20 22 | 6 40 | 3 24 | 20 6 | 3 1 | 22 22 | 0 57 | 21 58 | 2 24 | 2 6 | 1 11 | 9 49 | 1 25 | 23 29 | 0 13 | 11 18 | 0 13 | 13 3 | 10 15 | 11 56 | 11 31 | 22 28 | 9 39 | 7 40 |
| M21 | 20 10 | 12 3 | 4 9 | 20 15 | 2 49 | 22 23 | 0 54 | 22 1 | 2 25 | 2 7 | 1 11 | 9 50 | 1 25 | 23 29 | 0 13 | 11 19 | 0 13 | 13 3 | 10 14 | 11 56 | 11 32 | 22 30 | 9 39 | 7 40 |
| T 22 | 19 58 | 16 54 | 4 43 | 20 24 | 2 36 | 22 24 | 0 52 | 22 4 | 2 25 | 2 8 | 1 12 | 9 51 | 1 25 | 23 29 | 0 13 | 11 19 | 0 13 | 13 4 | 10 14 | 11 56 | 11 33 | 22 32 | 9 40 | 7 40 |
| W23 | 19 45 | 21 5 | 5 5 | 20 32 | 2 23 | 22 24 | 0 49 | 22 8 | 2 26 | 2 9 | 1 12 | 9 53 | 1 25 | 23 29 | 0 13 | 11 20 | 0 13 | 13 4 | 10 14 | 11 56 | 11 34 | 22 34 | 9 41 | 7 40 |
| T 24 | 19 33 | 24 25 | 5 13 | 20 40 | 2 10 | 22 24 | 0 46 | 22 11 | 2 26 | 2 9 | 1 12 | 9 54 | 1 25 | 23 29 | 0 13 | 11 20 | 0 13 | 13 4 | 10 14 | 11 57 | 11 35 | 22 36 | 9 42 | 7 40 |
| F 25 | 19 20 | 26 43 | 5 8 | 20 46 | 1 57 | 22 23 | 0 44 | 22 15 | 2 27 | 2 10 | 1 13 | 9 55 | 1 26 | 23 29 | 0 13 | 11 21 | 0 13 | 13 5 | 10 13 | 11 58 | 11 36 | 22 38 | 9 43 | 7 40 |
| S 26 | 19 6 | 27 49 | 4 50 | 20 52 | 1 44 | 22 21 | 0 41 | 22 18 | 2 27 | 2 11 | 1 13 | 9 57 | 1 26 | 23 29 | 0 13 | 11 21 | 0 13 | 13 5 | 10 13 | 11 59 | 11 37 | 22 40 | 9 44 | 7 40 |
| S 27 | 18 53 | 27 34 | 4 17 | 20 56 | 1 30 | 22 19 | 0 38 | 22 22 | 2 28 | 2 12 | 1 13 | 9 58 | 1 26 | 23 29 | 0 13 | 11 22 | 0 13 | 13 5 | 10 13 | 12 1 | 11 38 | 22 42 | 9 44 | 7 40 |
| M28 | 18 39 | 25 55 | 3 33 | 21 0 | 1 17 | 22 16 | 0 36 | 22 26 | 2 28 | 2 13 | 1 13 | 9 59 | 1 26 | 23 29 | 0 13 | 11 22 | 0 13 | 13 5 | 10 12 | 12 2 | 11 40 | 22 44 | 9 45 | 7 40 |
| T 29 | 18 25 | 22 56 | 2 37 | 21 1 | 1 3 | 22 12 | 0 33 | 22 30 | 2 28 | 2 15 | 1 14 | 10 1 | 1 26 | 23 29 | 0 13 | 11 23 | 0 13 | 13 6 | 10 12 | 12 3 | 11 41 | 22 46 | 9 46 | 7 40 |
| W30 | 18 10 | 18 45 | 1 31 | 21 1 | 0 50 | 22 8 | 0 30 | 22 34 | 2 29 | 2 16 | 1 14 | 10 2 | 1 26 | 23 29 | 0 13 | 11 23 | 0 13 | 13 6 | 10 12 | 12 3 | 11 42 | 22 48 | 9 47 | 7 40 |
| T 31 | 17n55 | 13n36 | 0n20 | 20n59 | 0s37 | 22n 3 | 0s28 | 22s38 | 2s29 | 2s17 | 1s14 | 10s 4 | 1s26 | 23s30 | 0s13 | 11s24 | 0s13 | 13s 6 | 10n11 | 12s 4 | 11s43 | 22n50 | 9s48 | 7n40 |

Julian Day Number = 2814777.5, Delta T = 54m16s
Ecliptic obliquity = 23°18'45, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°39'43, Lahiri = 37°46'44


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# ASTRODIENST EPHEMERIS for the year 2994
# geocentric

## AUGUST 2994 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 20 40 57 | 9♌55'20 | 7♍57 | 23♋17 | 15♋51 | 1♐ 5 | 27°R 3 | 7°R24 | 3°R26 | 0°R36 | 27°R45 | 28♒ 8 | 29♒ 5 | 21♉ 8 | 11°R38 | F 1 |
| S 2 | 20 44 54 | 10°52'38 | 21°35 | 25° 3 | 17° 3 | 1°24 | 27♓ 0 | 7♓20 | 3♑24 | 0♓34 | 27♐43 | 28° 9 | 29° 2 | 21°15 | 11♒35 | S 2 |
| S 3 | 20 48 50 | 11°49'56 | 5♎25 | 26°52 | 18°16 | 1°43 | 26°56 | 7°16 | 3°22 | 0°33 | 27°42 | 28°10 | 28°59 | 21°21 | 11°31 | S 3 |
| M 4 | 20 52 47 | 12°47'14 | 19°24 | 28°45 | 19°29 | 2° 3 | 26°53 | 7°13 | 3°20 | 0°31 | 27°41 | 28°12 | 28°55 | 21°28 | 11°28 | M 4 |
| T 5 | 20 56 43 | 13°44'32 | 3♏30 | 0♌40 | 20°41 | 2°24 | 26°49 | 7° 9 | 3°19 | 0°30 | 27°40 | 28°12 | 28°52 | 21°35 | 11°24 | T 5 |
| W 6 | 21 0 40 | 14°41'51 | 17°43 | 2°37 | 21°54 | 2°45 | 26°45 | 7° 5 | 3°17 | 0°28 | 27°39 | 28°R12 | 28°49 | 21°41 | 11°21 | W 6 |
| T 7 | 21 4 36 | 15°39'10 | 1♐59 | 4°37 | 23° 7 | 3° 6 | 26°41 | 7° 1 | 3°15 | 0°27 | 27°39 | 28°12 | 28°46 | 21°48 | 11°17 | T 7 |
| F 8 | 21 8 33 | 16°36'29 | 16°16 | 6°39 | 24°20 | 3°28 | 26°37 | 6°57 | 3°14 | 0°25 | 27°38 | 28°11 | 28°43 | 21°55 | 11°14 | F 8 |
| S 9 | 21 12 30 | 17°33'48 | 0♑30 | 8°42 | 25°32 | 3°51 | 26°33 | 6°53 | 3°12 | 0°24 | 27°37 | 28°10 | 28°39 | 22° 2 | 11°10 | S 9 |
| S 10 | 21 16 26 | 18°31'08 | 14°38 | 10°46 | 26°45 | 4°14 | 26°28 | 6°49 | 3°11 | 0°22 | 27°36 | 28° 9 | 28°36 | 22° 8 | 11° 7 | S 10 |
| M11 | 21 20 23 | 19°28'28 | 28°37 | 12°52 | 27°58 | 4°37 | 26°23 | 6°44 | 3° 9 | 0°20 | 27°35 | 28° 8 | 28°33 | 22°15 | 11° 4 | M11 |
| T 12 | 21 24 19 | 20°25'48 | 12♒22 | 14°58 | 29°11 | 5° 1 | 26°19 | 6°40 | 3° 8 | 0°19 | 27°34 | 28° 7 | 28°30 | 22°22 | 11° 0 | T 12 |
| W13 | 21 28 16 | 21°23'09 | 25°51 | 17° 5 | 0♌24 | 5°25 | 26°14 | 6°36 | 3° 6 | 0°17 | 27°33 | 28°D 7 | 28°27 | 22°28 | 10°57 | W13 |
| T 14 | 21 32 12 | 22°20'31 | 9♓ 3 | 19°11 | 1°37 | 5°50 | 26° 8 | 6°32 | 3° 5 | 0°16 | 27°33 | 28° 7 | 28°24 | 22°35 | 10°53 | T 14 |
| F 15 | 21 36 9 | 23°17'54 | 21°56 | 21°18 | 2°50 | 6°15 | 26° 3 | 6°27 | 3° 4 | 0°14 | 27°32 | 28° 7 | 28°20 | 22°42 | 10°50 | F 15 |
| S 16 | 21 40 5 | 24°15'17 | 4♈32 | 23°23 | 4° 3 | 6°40 | 25°58 | 6°23 | 3° 3 | 0°12 | 27°31 | 28° 8 | 28°17 | 22°49 | 10°47 | S 16 |
| S 17 | 21 44 2 | 25°12'41 | 16°53 | 25°29 | 5°16 | 7° 6 | 25°52 | 6°19 | 3° 1 | 0°11 | 27°31 | 28° 8 | 28°14 | 22°55 | 10°43 | S 17 |
| M18 | 21 47 59 | 26°10'07 | 29° 1 | 27°33 | 6°29 | 7°32 | 25°46 | 6°14 | 3° 0 | 0° 9 | 27°30 | 28° 8 | 28°11 | 23° 2 | 10°40 | M18 |
| T 19 | 21 51 55 | 27° 7'33 | 11♉ 0 | 29°36 | 7°43 | 7°59 | 25°40 | 6°10 | 2°59 | 0° 7 | 27°29 | 28° 8 | 28° 8 | 23° 9 | 10°37 | T 19 |
| W20 | 21 55 52 | 28° 5'01 | 22°54 | 1♍39 | 8°56 | 8°26 | 25°34 | 6° 6 | 2°58 | 0° 6 | 27°29 | 28° 8 | 28° 5 | 23°16 | 10°33 | W20 |
| T 21 | 21 59 48 | 29° 2'30 | 4♊48 | 3°40 | 10° 9 | 8°53 | 25°28 | 6° 1 | 2°57 | 0° 4 | 27°28 | 28° 8 | 28° 1 | 23°22 | 10°30 | T 21 |
| F 22 | 22 3 45 | 0♍ 0'00 | 16°46 | 5°39 | 11°22 | 9°21 | 25°22 | 5°57 | 2°56 | 0° 3 | 27°28 | 28° 9 | 27°58 | 23°29 | 10°27 | F 22 |
| S 23 | 22 7 41 | 0°57'31 | 28°53 | 7°37 | 12°36 | 9°49 | 25°15 | 5°52 | 2°55 | 0° 1 | 27°27 | 28° 9 | 27°55 | 23°36 | 10°24 | S 23 |
| S 24 | 22 11 38 | 1°55'03 | 11♋12 | 9°34 | 13°49 | 10°18 | 25° 9 | 5°48 | 2°54 | 29♒59 | 27°27 | 28° 9 | 27°52 | 23°42 | 10°21 | S 24 |
| M25 | 22 15 34 | 2°52'37 | 23°47 | 11°30 | 15° 2 | 10°46 | 25° 2 | 5°43 | 2°53 | 29°58 | 27°26 | 28°10 | 27°49 | 23°49 | 10°17 | M25 |
| T 26 | 22 19 31 | 3°50'12 | 6♌41 | 13°24 | 16°16 | 11°16 | 24°55 | 5°39 | 2°53 | 29°56 | 27°26 | 28°10 | 27°45 | 23°56 | 10°14 | T 26 |
| W27 | 22 23 28 | 4°47'48 | 19°55 | 15°16 | 17°29 | 11°45 | 24°48 | 5°34 | 2°52 | 29°54 | 27°25 | 28°10 | 27°42 | 24° 3 | 10°11 | W27 |
| T 28 | 22 27 24 | 5°45'25 | 3♍28 | 17° 7 | 18°43 | 12°15 | 24°41 | 5°30 | 2°51 | 29°53 | 27°25 | 28°R10 | 27°39 | 24° 9 | 10° 8 | T 28 |
| F 29 | 22 31 21 | 6°43'03 | 17°18 | 18°56 | 19°56 | 12°45 | 24°34 | 5°25 | 2°50 | 29°51 | 27°25 | 28°10 | 27°36 | 24°16 | 10° 5 | F 29 |
| S 30 | 22 35 17 | 7°40'42 | 1♎24 | 20°44 | 21°10 | 13°16 | 24°27 | 5°21 | 2°50 | 29°50 | 27°25 | 28° 9 | 27°33 | 24°23 | 10° 2 | S 30 |
| S 31 | 22 39 14 | 8♍38'23 | 15♎40 | 22♍31 | 22♌24 | 13♐46 | 24♓20 | 5♓16 | 2♑49 | 29♒48 | 27♐24 | 28♒ 8 | 27♒30 | 24♉29 | 10♒ 0 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17n40 | 7n43 | 0s54 | 20n56 | 0s24 | 21n58 | 0s25 | 22s42 | 2s29 | 2s19 | 1s15 | 10s 5 | 1s27 | 23s30 | 0s13 | 11s24 | 0s13 | 13s 7 | 10n11 | 12s 3 | 11s44 | 22n52 | 9s49 | 7n40 |
| S 2 | 17 25 | 1 23 | 2 6 | 20 50 | 0 11 | 21 52 | 0 22 | 22 46 | 2 30 | 2 20 | 1 15 | 10 7 | 1 27 | 23 30 | 0 13 | 11 25 | 0 13 | 13 7 | 10 11 | 12 3 | 11 45 | 22 53 | 9 50 | 7 40 |
| S 3 | 17 9 | 5s 4 | 3 11 | 20 41 | 0n 1 | 21 45 | 0 20 | 22 51 | 2 30 | 2 22 | 1 15 | 10 8 | 1 27 | 23 30 | 0 13 | 11 25 | 0 13 | 13 7 | 10 10 | 12 3 | 11 46 | 22 55 | 9 51 | 7 40 |
| M 4 | 16 53 | 11 21 | 4 6 | 20 31 | 0 13 | 21 38 | 0 17 | 22 55 | 2 30 | 2 23 | 1 15 | 10 10 | 1 27 | 23 30 | 0 13 | 11 26 | 0 13 | 13 8 | 10 10 | 12 2 | 11 47 | 22 57 | 9 52 | 7 40 |
| T 5 | 16 37 | 17 7 | 4 47 | 20 18 | 0 24 | 21 30 | 0 14 | 22 59 | 2 30 | 2 25 | 1 16 | 10 12 | 1 27 | 23 30 | 0 13 | 11 26 | 0 13 | 13 8 | 10 10 | 12 2 | 11 48 | 22 59 | 9 53 | 7 40 |
| W 6 | 16 20 | 21 59 | 5 11 | 20 2 | 0 35 | 21 21 | 0 11 | 23 3 | 2 30 | 2 27 | 1 16 | 10 13 | 1 27 | 23 30 | 0 13 | 11 27 | 0 13 | 13 8 | 10 9 | 12 2 | 11 49 | 23 1 | 9 54 | 7 40 |
| T 7 | 16 4 | 25 36 | 5 15 | 19 44 | 0 45 | 21 12 | 0 9 | 23 8 | 2 31 | 2 29 | 1 16 | 10 15 | 1 27 | 23 30 | 0 13 | 11 28 | 0 13 | 13 9 | 10 9 | 12 2 | 11 51 | 23 3 | 9 55 | 7 40 |
| F 8 | 15 47 | 27 35 | 5 0 | 19 23 | 0 54 | 21 2 | 0 6 | 23 12 | 2 31 | 2 30 | 1 16 | 10 16 | 1 28 | 23 30 | 0 13 | 11 28 | 0 13 | 13 9 | 10 9 | 12 3 | 11 52 | 23 5 | 9 56 | 7 40 |
| S 9 | 15 29 | 27 46 | 4 27 | 19 0 | 1 3 | 20 52 | 0 3 | 23 17 | 2 31 | 2 32 | 1 17 | 10 18 | 1 28 | 23 30 | 0 13 | 11 29 | 0 13 | 13 9 | 10 8 | 12 3 | 11 53 | 23 7 | 9 57 | 7 40 |
| S 10 | 15 12 | 26 7 | 3 38 | 18 34 | 1 11 | 20 41 | 0 1 | 23 21 | 2 31 | 2 34 | 1 17 | 10 20 | 1 28 | 23 30 | 0 13 | 11 29 | 0 13 | 13 10 | 10 8 | 12 3 | 11 54 | 23 9 | 9 58 | 7 40 |
| M11 | 14 54 | 22 53 | 2 36 | 18 6 | 1 18 | 20 29 | 0n 2 | 23 26 | 2 31 | 2 37 | 1 17 | 10 21 | 1 28 | 23 30 | 0 13 | 11 30 | 0 13 | 13 10 | 10 8 | 12 4 | 11 55 | 23 10 | 9 59 | 7 40 |
| T 12 | 14 36 | 18 23 | 1 26 | 17 36 | 1 24 | 20 17 | 0 5 | 23 30 | 2 31 | 2 39 | 1 17 | 10 23 | 1 28 | 23 30 | 0 13 | 11 30 | 0 13 | 13 10 | 10 7 | 12 4 | 11 56 | 23 12 | 10 0 | 7 39 |
| W13 | 14 18 | 13 2 | 0 13 | 17 3 | 1 30 | 20 5 | 0 7 | 23 34 | 2 31 | 2 41 | 1 18 | 10 25 | 1 28 | 23 30 | 0 13 | 11 31 | 0 13 | 13 11 | 10 7 | 12 4 | 11 57 | 23 14 | 10 1 | 7 39 |
| T 14 | 14 0 | 7 12 | 1n 0 | 16 29 | 1 34 | 19 51 | 0 10 | 23 39 | 2 31 | 2 43 | 1 18 | 10 26 | 1 28 | 23 30 | 0 13 | 11 32 | 0 13 | 13 11 | 10 7 | 12 4 | 11 58 | 23 16 | 10 2 | 7 39 |
| F 15 | 13 41 | 1 13 | 2 8 | 15 52 | 1 38 | 19 37 | 0 12 | 23 43 | 2 31 | 2 45 | 1 18 | 10 28 | 1 28 | 23 30 | 0 13 | 11 32 | 0 13 | 13 11 | 10 6 | 12 4 | 11 59 | 23 18 | 10 3 | 7 39 |
| S 16 | 13 22 | 4n41 | 3 8 | 15 14 | 1 41 | 19 23 | 0 15 | 23 48 | 2 31 | 2 48 | 1 18 | 10 30 | 1 29 | 23 30 | 0 13 | 11 33 | 0 13 | 13 12 | 10 6 | 12 4 | 12 0 | 23 20 | 10 4 | 7 39 |
| S 17 | 13 3 | 10 16 | 3 58 | 14 35 | 1 43 | 19 8 | 0 18 | 23 52 | 2 31 | 2 50 | 1 19 | 10 31 | 1 29 | 23 30 | 0 13 | 11 33 | 0 13 | 13 12 | 10 5 | 12 4 | 12 2 | 23 22 | 10 5 | 7 39 |
| M18 | 12 44 | 15 23 | 4 37 | 13 54 | 1 45 | 18 53 | 0 20 | 23 56 | 2 31 | 2 53 | 1 19 | 10 33 | 1 29 | 23 30 | 0 13 | 11 34 | 0 13 | 13 12 | 10 5 | 12 3 | 12 3 | 23 23 | 10 6 | 7 38 |
| T 19 | 12 24 | 19 50 | 5 3 | 13 12 | 1 45 | 18 37 | 0 23 | 24 1 | 2 31 | 2 55 | 1 19 | 10 35 | 1 29 | 23 30 | 0 13 | 11 34 | 0 13 | 13 13 | 10 5 | 12 3 | 12 4 | 23 25 | 10 7 | 7 38 |
| W20 | 12 5 | 23 29 | 5 15 | 12 28 | 1 45 | 18 20 | 0 25 | 24 5 | 2 31 | 2 58 | 1 19 | 10 36 | 1 29 | 23 30 | 0 13 | 11 35 | 0 13 | 13 13 | 10 4 | 12 3 | 12 5 | 23 27 | 10 8 | 7 38 |
| T 21 | 11 45 | 26 8 | 5 15 | 11 44 | 1 44 | 18 3 | 0 27 | 24 9 | 2 31 | 3 1 | 1 19 | 10 38 | 1 29 | 23 30 | 0 13 | 11 36 | 0 13 | 13 14 | 10 4 | 12 3 | 12 6 | 23 29 | 10 9 | 7 38 |
| F 22 | 11 25 | 27 38 | 5 0 | 10 59 | 1 43 | 17 45 | 0 30 | 24 14 | 2 31 | 3 3 | 1 20 | 10 40 | 1 29 | 23 30 | 0 13 | 11 36 | 0 13 | 13 14 | 10 3 | 12 3 | 12 7 | 23 31 | 10 10 | 7 38 |
| S 23 | 11 5 | 27 51 | 4 32 | 10 14 | 1 41 | 17 27 | 0 32 | 24 18 | 2 31 | 3 6 | 1 20 | 10 42 | 1 29 | 23 30 | 0 13 | 11 37 | 0 13 | 13 14 | 10 3 | 12 3 | 12 8 | 23 32 | 10 11 | 7 37 |
| S 24 | 10 44 | 26 42 | 3 52 | 9 28 | 1 39 | 17 9 | 0 34 | 24 22 | 2 31 | 3 9 | 1 20 | 10 43 | 1 29 | 23 30 | 0 13 | 11 37 | 0 13 | 13 15 | 10 3 | 12 3 | 12 9 | 23 34 | 10 13 | 7 37 |
| M25 | 10 24 | 24 10 | 2 59 | 8 41 | 1 36 | 16 50 | 0 37 | 24 26 | 2 31 | 3 12 | 1 20 | 10 45 | 1 29 | 23 30 | 0 13 | 11 38 | 0 13 | 13 15 | 10 2 | 12 3 | 12 10 | 23 36 | 10 14 | 7 37 |
| T 26 | 10 3 | 20 23 | 1 56 | 7 55 | 1 32 | 16 30 | 0 39 | 24 30 | 2 31 | 3 14 | 1 20 | 10 47 | 1 29 | 23 30 | 0 13 | 11 38 | 0 13 | 13 16 | 10 2 | 12 3 | 12 11 | 23 38 | 10 15 | 7 36 |
| W27 | 9 42 | 15 29 | 0 46 | 7 8 | 1 28 | 16 10 | 0 41 | 24 34 | 2 31 | 3 17 | 1 21 | 10 48 | 1 30 | 23 30 | 0 13 | 11 39 | 0 13 | 13 16 | 10 1 | 12 3 | 12 12 | 23 39 | 10 16 | 7 36 |
| T 28 | 9 21 | 9 44 | 0s29 | 6 21 | 1 24 | 15 50 | 0 43 | 24 38 | 2 30 | 3 20 | 1 21 | 10 50 | 1 30 | 23 30 | 0 13 | 11 40 | 0 13 | 13 16 | 10 1 | 12 3 | 12 13 | 23 41 | 10 17 | 7 36 |
| F 29 | 9 0 | 3 23 | 1 44 | 5 34 | 1 19 | 15 29 | 0 46 | 24 41 | 2 30 | 3 23 | 1 21 | 10 52 | 1 30 | 23 30 | 0 13 | 11 40 | 0 13 | 13 17 | 10 1 | 12 3 | 12 15 | 23 43 | 10 18 | 7 36 |
| S 30 | 8 39 | 3s13 | 2 54 | 4 47 | 1 13 | 15 7 | 0 48 | 24 45 | 2 30 | 3 26 | 1 21 | 10 54 | 1 30 | 23 30 | 0 13 | 11 41 | 0 13 | 13 17 | 10 0 | 12 3 | 12 16 | 23 45 | 10 19 | 7 35 |
| S 31 | 8n17 | 9s44 | 3s53 | 4n 0 | 1n 8 | 14n46 | 0n50 | 24s49 | 2s30 | 3s29 | 1s21 | 10s55 | 1s30 | 23s30 | 0s13 | 11s41 | 0s13 | 13s18 | 10n 0 | 12s 4 | 12s17 | 23n46 | 10s20 | 7n35 |

Julian Day Number = 2814808.5, Delta T = 54m17s
Ecliptic obliquity = 23°18'45, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°39'48, Lahiri = 37°46'48


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# ASTRODIENST EPHEMERIS for the year 2994
# geocentric

## SEPTEMBER 2994 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 22 43 10 | 9♍36'04 | 0♏ 2 | 24♍16 | 23♌37 | 14♐17 | 24°R12 | 5°R12 | 2°R49 | 29°R46 | 27°R24 | 28°R 7 | 27♒26 | 24♉36 | 9°R57 | M 1 |
| T 2 | 22 47 7 | 10°33'46 | 14°26 | 25°59 | 24°51 | 14°49 | 24♓ 5 | 5♓ 7 | 2♉48 | 29♒45 | 27♐24 | 28♒ 6 | 27°23 | 24°43 | 9♒54 | T 2 |
| W 3 | 22 51 3 | 11°31'30 | 28°47 | 27°41 | 26° 5 | 15°21 | 23°57 | 5° 3 | 2°48 | 29°43 | 27°24 | 28° 5 | 27°20 | 24°50 | 9°51 | W 3 |
| T 4 | 22 55 0 | 12°29'14 | 13♐ 1 | 29°22 | 27°18 | 15°53 | 23°50 | 4°59 | 2°48 | 29°42 | 27°24 | 28°D 4 | 27°17 | 24°56 | 9°48 | T 4 |
| F 5 | 22 58 57 | 13°27'00 | 27° 7 | 1♎ 1 | 28°32 | 16°25 | 23°42 | 4°54 | 2°47 | 29°40 | 27°24 | 28° 5 | 27°14 | 25° 3 | 9°46 | F 5 |
| S 6 | 23 2 53 | 14°24'46 | 11♑ 3 | 2°39 | 29°46 | 16°57 | 23°34 | 4°50 | 2°47 | 29°38 | 27°24 | 28° 6 | 27°11 | 25°10 | 9°43 | S 6 |
| S 7 | 23 6 50 | 15°22'34 | 24°47 | 4°15 | 1♍ 0 | 17°30 | 23°27 | 4°45 | 2°47 | 29°37 | 27°D24 | 28° 7 | 27° 7 | 25°17 | 9°41 | S 7 |
| M 8 | 23 10 46 | 16°20'22 | 8♒18 | 5°50 | 2°13 | 18° 3 | 23°19 | 4°41 | 2°47 | 29°35 | 27°24 | 28° 8 | 27° 4 | 25°23 | 9°38 | M 8 |
| T 9 | 23 14 43 | 17°18'12 | 21°37 | 7°24 | 3°27 | 18°37 | 23°11 | 4°37 | 2°47 | 29°34 | 27°24 | 28°R 9 | 27° 1 | 25°30 | 9°36 | T 9 |
| W10 | 23 18 39 | 18°16'03 | 4♓44 | 8°56 | 4°41 | 19°10 | 23° 3 | 4°32 | 2°D47 | 29°32 | 27°24 | 28° 9 | 26°58 | 25°37 | 9°33 | W10 |
| T 11 | 23 22 36 | 19°13'55 | 17°36 | 10°27 | 5°55 | 19°44 | 22°55 | 4°28 | 2°47 | 29°31 | 27°24 | 28° 8 | 26°55 | 25°43 | 9°31 | T 11 |
| F 12 | 23 26 32 | 20°11'49 | 0♈16 | 11°57 | 7° 9 | 20°18 | 22°47 | 4°24 | 2°47 | 29°29 | 27°24 | 28° 6 | 26°51 | 25°50 | 9°29 | F 12 |
| S 13 | 23 30 29 | 21° 9'44 | 12°43 | 13°25 | 8°23 | 20°52 | 22°40 | 4°20 | 2°47 | 29°28 | 27°24 | 28° 3 | 26°48 | 25°57 | 9°26 | S 13 |
| S 14 | 23 34 25 | 22° 7'41 | 24°58 | 14°51 | 9°37 | 21°27 | 22°32 | 4°15 | 2°47 | 29°26 | 27°24 | 27°59 | 26°45 | 26° 4 | 9°24 | S 14 |
| M15 | 23 38 22 | 23° 5'39 | 7♉ 3 | 16°16 | 10°51 | 22° 2 | 22°24 | 4°11 | 2°47 | 29°25 | 27°25 | 27°55 | 26°42 | 26°10 | 9°22 | M15 |
| T 16 | 23 42 19 | 24° 3'39 | 19° 1 | 17°40 | 12° 5 | 22°37 | 22°16 | 4° 7 | 2°47 | 29°23 | 27°25 | 27°51 | 26°39 | 26°17 | 9°20 | T 16 |
| W17 | 23 46 15 | 25° 1'42 | 0♊54 | 19° 3 | 13°19 | 23°12 | 22° 8 | 4° 3 | 2°48 | 29°22 | 27°25 | 27°48 | 26°36 | 26°24 | 9°18 | W17 |
| T 18 | 23 50 12 | 25°59'46 | 12°46 | 20°23 | 14°34 | 23°48 | 22° 0 | 3°59 | 2°48 | 29°21 | 27°25 | 27°46 | 26°32 | 26°30 | 9°16 | T 18 |
| F 19 | 23 54 8 | 26°57'51 | 24°43 | 21°43 | 15°48 | 24°23 | 21°52 | 3°55 | 2°48 | 29°19 | 27°26 | 27°D45 | 26°29 | 26°37 | 9°14 | F 19 |
| S 20 | 23 58 5 | 27°55'59 | 6♋48 | 23° 1 | 17° 2 | 24°59 | 21°44 | 3°51 | 2°49 | 29°18 | 27°26 | 27°45 | 26°26 | 26°44 | 9°12 | S 20 |
| S 21 | 0 2 1 | 28°54'09 | 19° 6 | 24°17 | 18°16 | 25°35 | 21°36 | 3°47 | 2°49 | 29°16 | 27°27 | 27°46 | 26°23 | 26°51 | 9°11 | S 21 |
| M22 | 0 5 58 | 29°52'20 | 1♌41 | 25°31 | 19°31 | 26°12 | 21°29 | 3°44 | 2°50 | 29°15 | 27°27 | 27°48 | 26°20 | 26°57 | 9° 9 | M22 |
| T 23 | 0 9 54 | 0♎50'34 | 14°38 | 26°44 | 20°45 | 26°48 | 21°21 | 3°40 | 2°51 | 29°14 | 27°28 | 27°49 | 26°17 | 27° 4 | 9° 7 | T 23 |
| W24 | 0 13 51 | 1°48'49 | 28° 0 | 27°54 | 21°59 | 27°25 | 21°13 | 3°36 | 2°51 | 29°12 | 27°28 | 27°R50 | 26°13 | 27°11 | 9° 6 | W24 |
| T 25 | 0 17 48 | 2°47'06 | 11♍46 | 29° 3 | 23°14 | 28° 2 | 21° 6 | 3°33 | 2°52 | 29°11 | 27°29 | 27°49 | 26°10 | 27°18 | 9° 4 | T 25 |
| F 26 | 0 21 44 | 3°45'25 | 25°56 | 0♏10 | 24°28 | 28°39 | 20°58 | 3°29 | 2°53 | 29°10 | 27°29 | 27°47 | 26° 7 | 27°24 | 9° 3 | F 26 |
| S 27 | 0 25 41 | 4°43'45 | 10♎26 | 1°15 | 25°42 | 29°17 | 20°51 | 3°25 | 2°54 | 29° 9 | 27°30 | 27°43 | 26° 4 | 27°31 | 9° 1 | S 27 |
| S 28 | 0 29 37 | 5°42'08 | 25°10 | 2°17 | 26°57 | 29°54 | 20°43 | 3°22 | 2°54 | 29° 7 | 27°31 | 27°37 | 26° 1 | 27°38 | 9° 0 | S 28 |
| M29 | 0 33 34 | 6°40'32 | 9♏59 | 3°17 | 28°11 | 0♑32 | 20°36 | 3°19 | 2°55 | 29° 6 | 27°31 | 27°31 | 25°57 | 27°44 | 8°59 | M29 |
| T 30 | 0 37 30 | 7♎38'58 | 24♏47 | 4♏15 | 29♍26 | 1♑10 | 20♓29 | 3♓15 | 2♑56 | 29♒ 5 | 27♐32 | 27♒26 | 25♒54 | 27♉51 | 8♒58 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7n56 | 15s47 | 4s39 | 3n13 | 1n 2 | 14n23 | 0n52 | 24s52 | 2s30 | 3s32 | 1s21 | 10s57 | 1s30 | 23s30 | 0s13 | 11s42 | 0s13 | 13s18 | 9n59 | 12s 4 | 12s18 | 23n48 | 10s21 | 7n35 |
| T 2 | 7 34 | 20 58 | 5 7 | 2 26 | 0 55 | 14 1 | 0 54 | 24 56 | 2 29 | 3 35 | 1 22 | 10 59 | 1 30 | 23 30 | 0 13 | 11 43 | 0 13 | 13 18 | 9 59 | 12 4 | 12 19 | 23 50 | 10 22 | 7 34 |
| W 3 | 7 12 | 24 55 | 5 16 | 1 40 | 0 49 | 13 38 | 0 56 | 24 59 | 2 29 | 3 38 | 1 22 | 11 0 | 1 30 | 23 30 | 0 13 | 11 43 | 0 13 | 13 19 | 9 59 | 12 5 | 12 20 | 23 51 | 10 23 | 7 34 |
| T 4 | 6 50 | 27 17 | 5 5 | 0 54 | 0 42 | 13 15 | 0 57 | 25 2 | 2 29 | 3 41 | 1 22 | 11 2 | 1 30 | 23 30 | 0 13 | 11 44 | 0 13 | 13 19 | 9 58 | 12 5 | 12 21 | 23 53 | 10 24 | 7 34 |
| F 5 | 6 28 | 27 53 | 4 36 | 0 8 | 0 35 | 12 51 | 0 59 | 25 5 | 2 29 | 3 45 | 1 22 | 11 4 | 1 30 | 23 30 | 0 13 | 11 44 | 0 13 | 13 20 | 9 58 | 12 5 | 12 22 | 23 55 | 10 25 | 7 33 |
| S 6 | 6 6 | 26 42 | 3 51 | 0s38 | 0 28 | 12 27 | 1 1 | 25 8 | 2 28 | 3 48 | 1 22 | 11 5 | 1 30 | 23 30 | 0 13 | 11 45 | 0 13 | 13 20 | 9 57 | 12 4 | 12 23 | 23 57 | 10 26 | 7 33 |
| S 7 | 5 44 | 23 54 | 2 54 | 1 23 | 0 20 | 12 2 | 1 3 | 25 11 | 2 28 | 3 51 | 1 22 | 11 7 | 1 30 | 23 30 | 0 13 | 11 45 | 0 13 | 13 20 | 9 57 | 12 4 | 12 24 | 23 58 | 10 27 | 7 32 |
| M 8 | 5 22 | 19 49 | 1 47 | 2 7 | 0 12 | 11 38 | 1 4 | 25 14 | 2 28 | 3 54 | 1 22 | 11 9 | 1 30 | 23 30 | 0 13 | 11 46 | 0 13 | 13 21 | 9 56 | 12 4 | 12 25 | 24 0 | 10 28 | 7 32 |
| T 9 | 4 59 | 14 47 | 0 36 | 2 51 | 0 4 | 11 13 | 1 6 | 25 17 | 2 28 | 3 57 | 1 22 | 11 10 | 1 30 | 23 30 | 0 13 | 11 46 | 0 13 | 13 21 | 9 56 | 12 3 | 12 26 | 24 2 | 10 29 | 7 32 |
| W10 | 4 37 | 9 10 | 0n36 | 3 35 | 0s 4 | 10 47 | 1 7 | 25 19 | 2 27 | 4 0 | 1 22 | 11 12 | 1 30 | 23 30 | 0 13 | 11 47 | 0 13 | 13 22 | 9 56 | 12 3 | 12 28 | 24 3 | 10 30 | 7 31 |
| T 11 | 4 14 | 3 16 | 1 45 | 4 18 | 0 12 | 10 22 | 1 9 | 25 22 | 2 27 | 4 4 | 1 23 | 11 13 | 1 30 | 23 30 | 0 13 | 11 47 | 0 13 | 13 22 | 9 55 | 12 4 | 12 29 | 24 5 | 10 31 | 7 31 |
| F 12 | 3 52 | 2n40 | 2 47 | 5 0 | 0 20 | 9 56 | 1 10 | 25 24 | 2 27 | 4 7 | 1 23 | 11 15 | 1 30 | 23 30 | 0 13 | 11 48 | 0 13 | 13 23 | 9 55 | 12 4 | 12 30 | 24 7 | 10 32 | 7 30 |
| S 13 | 3 29 | 8 23 | 3 41 | 5 42 | 0 28 | 9 30 | 1 12 | 25 26 | 2 26 | 4 10 | 1 23 | 11 17 | 1 30 | 23 30 | 0 13 | 11 49 | 0 13 | 13 23 | 9 54 | 12 5 | 12 31 | 24 8 | 10 33 | 7 30 |
| S 14 | 3 6 | 13 42 | 4 23 | 6 23 | 0 37 | 9 3 | 1 13 | 25 28 | 2 26 | 4 13 | 1 23 | 11 18 | 1 30 | 23 30 | 0 13 | 11 49 | 0 13 | 13 23 | 9 54 | 12 7 | 12 32 | 24 10 | 10 34 | 7 30 |
| M15 | 2 44 | 18 24 | 4 53 | 7 4 | 0 45 | 8 36 | 1 14 | 25 30 | 2 25 | 4 16 | 1 23 | 11 20 | 1 30 | 23 30 | 0 13 | 11 50 | 0 13 | 13 24 | 9 54 | 12 8 | 12 33 | 24 11 | 10 35 | 7 29 |
| T 16 | 2 21 | 22 20 | 5 9 | 7 44 | 0 54 | 8 9 | 1 16 | 25 31 | 2 25 | 4 19 | 1 23 | 11 21 | 1 30 | 23 30 | 0 13 | 11 50 | 0 13 | 13 24 | 9 53 | 12 9 | 12 34 | 24 13 | 10 36 | 7 29 |
| W17 | 1 58 | 25 19 | 5 12 | 8 23 | 1 2 | 7 42 | 1 17 | 25 33 | 2 25 | 4 23 | 1 23 | 11 23 | 1 30 | 23 30 | 0 13 | 11 51 | 0 13 | 13 25 | 9 53 | 12 11 | 12 35 | 24 15 | 10 37 | 7 28 |
| T 18 | 1 35 | 27 12 | 5 2 | 9 1 | 1 11 | 7 15 | 1 18 | 25 34 | 2 24 | 4 26 | 1 23 | 11 24 | 1 30 | 23 30 | 0 13 | 11 51 | 0 13 | 13 25 | 9 52 | 12 11 | 12 36 | 24 16 | 10 38 | 7 28 |
| F 19 | 1 12 | 27 51 | 4 39 | 9 39 | 1 20 | 6 47 | 1 19 | 25 35 | 2 24 | 4 29 | 1 23 | 11 25 | 1 30 | 23 30 | 0 13 | 11 52 | 0 13 | 13 26 | 9 52 | 12 12 | 12 37 | 24 18 | 10 39 | 7 27 |
| S 20 | 0 49 | 27 11 | 4 3 | 10 16 | 1 28 | 6 19 | 1 20 | 25 36 | 2 23 | 4 32 | 1 23 | 11 27 | 1 30 | 23 30 | 0 13 | 11 52 | 0 13 | 13 26 | 9 51 | 12 11 | 12 38 | 24 20 | 10 40 | 7 27 |
| S 21 | 0 26 | 25 12 | 3 16 | 10 52 | 1 37 | 5 51 | 1 21 | 25 37 | 2 23 | 4 35 | 1 23 | 11 28 | 1 30 | 23 30 | 0 13 | 11 53 | 0 13 | 13 26 | 9 51 | 12 11 | 12 39 | 24 21 | 10 41 | 7 26 |
| M22 | 0 3 | 21 55 | 2 18 | 11 27 | 1 45 | 5 23 | 1 21 | 25 38 | 2 23 | 4 38 | 1 23 | 11 30 | 1 30 | 23 30 | 0 13 | 11 53 | 0 13 | 13 27 | 9 51 | 12 10 | 12 40 | 24 23 | 10 42 | 7 26 |
| T 23 | 0s20 | 17 30 | 1 11 | 12 1 | 1 54 | 4 54 | 1 22 | 25 39 | 2 22 | 4 41 | 1 23 | 11 31 | 1 30 | 23 30 | 0 13 | 11 53 | 0 13 | 13 27 | 9 50 | 12 10 | 12 42 | 24 24 | 10 43 | 7 25 |
| W24 | 0 43 | 12 6 | 0s 1 | 12 35 | 2 2 | 4 26 | 1 23 | 25 39 | 2 22 | 4 44 | 1 23 | 11 32 | 1 30 | 23 30 | 0 13 | 11 54 | 0 13 | 13 28 | 9 50 | 12 10 | 12 43 | 24 26 | 10 43 | 7 25 |
| T 25 | 1 6 | 5 57 | 1 15 | 13 7 | 2 11 | 3 57 | 1 23 | 25 39 | 2 21 | 4 47 | 1 23 | 11 34 | 1 30 | 23 30 | 0 13 | 11 54 | 0 13 | 13 28 | 9 49 | 12 10 | 12 44 | 24 27 | 10 44 | 7 24 |
| F 26 | 1 29 | 0s39 | 2 27 | 13 38 | 2 19 | 3 28 | 1 24 | 25 39 | 2 21 | 4 50 | 1 23 | 11 35 | 1 30 | 23 30 | 0 13 | 11 55 | 0 13 | 13 29 | 9 49 | 12 11 | 12 45 | 24 29 | 10 45 | 7 24 |
| S 27 | 1 52 | 7 21 | 3 31 | 14 8 | 2 27 | 3 0 | 1 24 | 25 39 | 2 20 | 4 53 | 1 23 | 11 36 | 1 30 | 23 30 | 0 13 | 11 55 | 0 13 | 13 29 | 9 48 | 12 12 | 12 46 | 24 30 | 10 46 | 7 23 |
| S 28 | 2 15 | 13 45 | 4 22 | 14 37 | 2 35 | 2 30 | 1 25 | 25 39 | 2 20 | 4 56 | 1 23 | 11 37 | 1 30 | 23 30 | 0 13 | 11 56 | 0 13 | 13 29 | 9 48 | 12 14 | 12 47 | 24 32 | 10 47 | 7 23 |
| M29 | 2 38 | 19 24 | 4 55 | 15 5 | 2 42 | 2 1 | 1 25 | 25 38 | 2 19 | 4 59 | 1 23 | 11 39 | 1 30 | 23 30 | 0 13 | 11 56 | 0 13 | 13 30 | 9 48 | 12 16 | 12 48 | 24 34 | 10 48 | 7 22 |
| T 30 | 3s 1 | 23s51 | 5s 9 | 15s32 | 2s50 | 1n32 | 1n26 | 25s37 | 2s19 | 5s 2 | 1s23 | 11s40 | 1s30 | 23s30 | 0s13 | 11s57 | 0s13 | 13s30 | 9n47 | 12s18 | 12s49 | 24n35 | 10s48 | 7n22 |

Julian Day Number = 2814839.5, Delta T = 54m17s
Ecliptic obliquity = 23°18'46, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°39'52, Lahiri = 37°46'52


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# ASTRODIENST EPHEMERIS for the year 2994
# geocentric

## OCTOBER 2994 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 0 41 27 | 8♎37'25 | 9♐25 | 5♏ 9 | 0♎40 | 1♑48 | 20°R21 | 3°R12 | 2♑57 | 29°R 4 | 27♐33 | 27°R21 | 25♒51 | 27♉58 | 8°R57 | W 1 |
| T 2 | 0 45 23 | 9°35'54 | 23°49 | 6° 1 | 1°55 | 2°26 | 20♓14 | 3♓ 9 | 2°58 | 29♒ 3 | 27°34 | 27♒19 | 25°48 | 28° 5 | 8♒56 | T 2 |
| F 3 | 0 49 20 | 10°34'25 | 7♑54 | 6°49 | 3° 9 | 3° 5 | 20° 7 | 3° 6 | 3° 0 | 29° 1 | 27°34 | 27°D17 | 25°45 | 28°11 | 8°55 | F 3 |
| S 4 | 0 53 17 | 11°32'57 | 21°42 | 7°34 | 4°24 | 3°44 | 20° 0 | 3° 3 | 3° 1 | 29° 0 | 27°35 | 27°18 | 25°42 | 28°18 | 8°54 | S 4 |
| S 5 | 0 57 13 | 12°31'31 | 5♒11 | 8°16 | 5°38 | 4°22 | 19°54 | 3° 0 | 3° 2 | 28°59 | 27°36 | 27°19 | 25°38 | 28°25 | 8°53 | S 5 |
| M 6 | 1 1 10 | 13°30'06 | 18°23 | 8°53 | 6°53 | 5° 1 | 19°47 | 2°57 | 3° 3 | 28°58 | 27°37 | 27°20 | 25°35 | 28°32 | 8°52 | M 6 |
| T 7 | 1 5 6 | 14°28'42 | 1♓21 | 9°26 | 8° 8 | 5°41 | 19°41 | 2°54 | 3° 5 | 28°57 | 27°38 | 27°R20 | 25°32 | 28°38 | 8°52 | T 7 |
| W 8 | 1 9 3 | 15°27'21 | 14° 6 | 9°55 | 9°22 | 6°20 | 19°34 | 2°52 | 3° 6 | 28°56 | 27°39 | 27°19 | 25°29 | 28°45 | 8°51 | W 8 |
| T 9 | 1 12 59 | 16°26'01 | 26°39 | 10°18 | 10°37 | 6°59 | 19°28 | 2°49 | 3° 7 | 28°55 | 27°40 | 27°15 | 25°26 | 28°52 | 8°51 | T 9 |
| F 10 | 1 16 56 | 17°24'43 | 9♈ 3 | 10°36 | 11°52 | 7°39 | 19°22 | 2°46 | 3° 9 | 28°54 | 27°41 | 27° 9 | 25°22 | 28°58 | 8°50 | F 10 |
| S 11 | 1 20 52 | 18°23'26 | 21°18 | 10°48 | 13° 6 | 8°19 | 19°16 | 2°44 | 3°10 | 28°53 | 27°42 | 27° 1 | 25°19 | 29° 5 | 8°50 | S 11 |
| S 12 | 1 24 49 | 19°22'12 | 3♉25 | 10°R54 | 14°21 | 8°59 | 19°10 | 2°41 | 3°12 | 28°52 | 27°43 | 26°52 | 25°16 | 29°12 | 8°49 | S 12 |
| M13 | 1 28 46 | 20°21'00 | 15°25 | 10°54 | 15°36 | 9°39 | 19° 4 | 2°39 | 3°14 | 28°52 | 27°44 | 26°41 | 25°13 | 29°19 | 8°49 | M13 |
| T 14 | 1 32 42 | 21°19'50 | 27°20 | 10°46 | 16°50 | 10°19 | 18°59 | 2°37 | 3°15 | 28°51 | 27°46 | 26°31 | 25°10 | 29°25 | 8°49 | T 14 |
| W15 | 1 36 39 | 22°18'42 | 9♊12 | 10°31 | 18° 5 | 10°59 | 18°53 | 2°35 | 3°17 | 28°50 | 27°47 | 26°22 | 25° 7 | 29°32 | 8°D49 | W15 |
| T 16 | 1 40 35 | 23°17'36 | 21° 3 | 10° 9 | 19°20 | 11°40 | 18°48 | 2°33 | 3°19 | 28°49 | 27°48 | 26°15 | 25° 3 | 29°39 | 8°49 | T 16 |
| F 17 | 1 44 32 | 24°16'32 | 2♋58 | 9°39 | 20°35 | 12°21 | 18°43 | 2°31 | 3°21 | 28°48 | 27°49 | 26°11 | 25° 0 | 29°45 | 8°49 | F 17 |
| S 18 | 1 48 28 | 25°15'31 | 15° 0 | 9° 1 | 21°50 | 13° 1 | 18°38 | 2°29 | 3°22 | 28°48 | 27°51 | 26° 8 | 24°57 | 29°52 | 8°49 | S 18 |
| S 19 | 1 52 25 | 26°14'32 | 27°14 | 8°16 | 23° 4 | 13°42 | 18°33 | 2°27 | 3°24 | 28°47 | 27°52 | 26°D 7 | 24°54 | 29°59 | 8°49 | S 19 |
| M20 | 1 56 21 | 27°13'35 | 9♌45 | 7°24 | 24°19 | 14°23 | 18°29 | 2°26 | 3°26 | 28°46 | 27°53 | 26° 8 | 24°51 | 0♊ 6 | 8°50 | M20 |
| T 21 | 2 0 18 | 28°12'40 | 22°38 | 6°25 | 25°34 | 15° 5 | 18°24 | 2°24 | 3°28 | 28°46 | 27°55 | 26°R 9 | 24°48 | 0°12 | 8°50 | T 21 |
| W22 | 2 4 15 | 29°11'47 | 5♍58 | 5°22 | 26°49 | 15°46 | 18°20 | 2°23 | 3°30 | 28°45 | 27°56 | 26° 8 | 24°44 | 0°19 | 8°51 | W22 |
| T 23 | 2 8 11 | 0♏10'57 | 19°46 | 4°14 | 28° 4 | 16°27 | 18°16 | 2°21 | 3°32 | 28°44 | 27°57 | 26° 6 | 24°41 | 0°26 | 8°51 | T 23 |
| F 24 | 2 12 8 | 1°10'09 | 4♎ 2 | 3° 3 | 29°19 | 17° 9 | 18°12 | 2°20 | 3°34 | 28°44 | 27°59 | 26° 1 | 24°38 | 0°33 | 8°52 | F 24 |
| S 25 | 2 16 4 | 2° 9'23 | 18°45 | 1°52 | 0♏34 | 17°51 | 18° 8 | 2°19 | 3°37 | 28°43 | 28° 0 | 25°54 | 24°35 | 0°39 | 8°52 | S 25 |
| S 26 | 2 20 1 | 3° 8'39 | 3♏47 | 0°43 | 1°49 | 18°32 | 18° 5 | 2°18 | 3°39 | 28°43 | 28° 2 | 25°45 | 24°32 | 0°46 | 8°53 | S 26 |
| M27 | 2 23 57 | 4° 7'57 | 18°58 | 29♎36 | 3° 4 | 19°14 | 18° 1 | 2°17 | 3°41 | 28°42 | 28° 3 | 25°34 | 24°28 | 0°53 | 8°54 | M27 |
| T 28 | 2 27 54 | 5° 7'17 | 4♐ 9 | 28°35 | 4°19 | 19°56 | 17°58 | 2°16 | 3°43 | 28°42 | 28° 5 | 25°24 | 24°25 | 0°59 | 8°55 | T 28 |
| W29 | 2 31 50 | 6° 6'39 | 19° 8 | 27°40 | 5°33 | 20°39 | 17°55 | 2°15 | 3°46 | 28°42 | 28° 6 | 25°16 | 24°22 | 1° 6 | 8°56 | W29 |
| T 30 | 2 35 47 | 7° 6'03 | 3♑48 | 26°55 | 6°48 | 21°21 | 17°53 | 2°14 | 3°48 | 28°41 | 28° 8 | 25°10 | 24°19 | 1°13 | 8°57 | T 30 |
| F 31 | 2 39 44 | 8♏ 5'28 | 18♑ 4 | 26♎18 | 8♏ 3 | 22♑ 3 | 17♓50 | 2♓14 | 3♑50 | 28♒41 | 28♐10 | 25♒ 6 | 24♒16 | 1♊20 | 8♒58 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 3s24 | 26s44 | 5s 3 | 15s57 | 2s57 | 1n 3 | 1n26 | 25s36 | 2s18 | 5s 4 | 1s23 | 11s41 | 1s30 | 23s30 | 0s13 | 11s57 | 0s13 | 13s31 | 9n47 | 12s20 | 12s50 | 24n37 | 10s49 | 7n21 | W 1 |
| T 2 | 3 47 | 27 47 | 4 37 | 16 21 | 3 4 | 0 34 | 1 26 | 25 35 | 2 18 | 5 7 | 1 23 | 11 42 | 1 30 | 23 30 | 0 13 | 11 57 | 0 13 | 13 31 | 9 46 | 12 20 | 12 51 | 24 38 | 10 50 | 7 21 | T 2 |
| F 3 | 4 10 | 27 0 | 3 55 | 16 43 | 3 10 | 0 4 | 1 26 | 25 34 | 2 17 | 5 10 | 1 23 | 11 43 | 1 30 | 23 30 | 0 13 | 11 58 | 0 13 | 13 32 | 9 46 | 12 21 | 12 52 | 24 40 | 10 51 | 7 20 | F 3 |
| S 4 | 4 33 | 24 33 | 3 1 | 17 4 | 3 16 | 0s25 | 1 26 | 25 32 | 2 17 | 5 13 | 1 23 | 11 44 | 1 30 | 23 30 | 0 13 | 11 58 | 0 13 | 13 32 | 9 46 | 12 21 | 12 53 | 24 41 | 10 51 | 7 20 | S 4 |
| S 5 | 4 55 | 20 46 | 1 57 | 17 22 | 3 22 | 0 55 | 1 26 | 25 30 | 2 16 | 5 15 | 1 23 | 11 45 | 1 30 | 23 30 | 0 13 | 11 59 | 0 13 | 13 32 | 9 45 | 12 20 | 12 54 | 24 43 | 10 52 | 7 19 | S 5 |
| M 6 | 5 18 | 16 0 | 0 48 | 17 39 | 3 27 | 1 24 | 1 26 | 25 29 | 2 16 | 5 18 | 1 23 | 11 46 | 1 30 | 23 30 | 0 13 | 11 59 | 0 13 | 13 33 | 9 45 | 12 20 | 12 55 | 24 44 | 10 53 | 7 19 | M 6 |
| T 7 | 5 41 | 10 36 | 0n22 | 17 55 | 3 32 | 1 53 | 1 26 | 25 26 | 2 15 | 5 20 | 1 23 | 11 47 | 1 30 | 23 30 | 0 13 | 11 59 | 0 14 | 13 33 | 9 44 | 12 20 | 12 57 | 24 46 | 10 54 | 7 18 | T 7 |
| W 8 | 6 3 | 4 51 | 1 29 | 18 7 | 3 36 | 2 23 | 1 26 | 25 24 | 2 14 | 5 23 | 1 23 | 11 48 | 1 30 | 23 30 | 0 13 | 12 0 | 0 14 | 13 34 | 9 44 | 12 20 | 12 58 | 24 47 | 10 54 | 7 17 | W 8 |
| T 9 | 6 26 | 0n59 | 2 31 | 18 18 | 3 39 | 2 52 | 1 25 | 25 21 | 2 14 | 5 25 | 1 23 | 11 49 | 1 30 | 23 30 | 0 13 | 12 0 | 0 14 | 13 34 | 9 44 | 12 22 | 12 59 | 24 48 | 10 55 | 7 17 | T 9 |
| F 10 | 6 48 | 6 43 | 3 25 | 18 26 | 3 42 | 3 22 | 1 25 | 25 19 | 2 13 | 5 27 | 1 22 | 11 50 | 1 30 | 23 30 | 0 13 | 12 0 | 0 14 | 13 34 | 9 43 | 12 24 | 13 0 | 24 50 | 10 56 | 7 16 | F 10 |
| S 11 | 7 10 | 12 6 | 4 8 | 18 32 | 3 44 | 3 51 | 1 25 | 25 16 | 2 13 | 5 30 | 1 22 | 11 51 | 1 30 | 23 30 | 0 13 | 12 1 | 0 14 | 13 35 | 9 43 | 12 26 | 13 1 | 24 51 | 10 56 | 7 16 | S 11 |
| S 12 | 7 33 | 16 59 | 4 40 | 18 34 | 3 44 | 4 20 | 1 24 | 25 12 | 2 12 | 5 32 | 1 22 | 11 52 | 1 30 | 23 30 | 0 13 | 12 1 | 0 14 | 13 35 | 9 42 | 12 30 | 13 2 | 24 53 | 10 57 | 7 15 | S 12 |
| M13 | 7 55 | 21 8 | 4 59 | 18 34 | 3 44 | 4 49 | 1 24 | 25 9 | 2 11 | 5 34 | 1 22 | 11 52 | 1 30 | 23 30 | 0 13 | 12 1 | 0 14 | 13 36 | 9 42 | 12 33 | 13 3 | 24 54 | 10 57 | 7 15 | M13 |
| T 14 | 8 17 | 24 24 | 5 5 | 18 30 | 3 42 | 5 18 | 1 23 | 25 5 | 2 11 | 5 36 | 1 22 | 11 53 | 1 30 | 23 30 | 0 13 | 12 2 | 0 14 | 13 36 | 9 42 | 12 37 | 13 4 | 24 56 | 10 58 | 7 14 | T 14 |
| W15 | 8 38 | 26 36 | 4 57 | 18 22 | 3 39 | 5 47 | 1 22 | 25 1 | 2 10 | 5 38 | 1 22 | 11 54 | 1 30 | 23 30 | 0 13 | 12 2 | 0 14 | 13 36 | 9 41 | 12 40 | 13 5 | 24 57 | 10 59 | 7 14 | W15 |
| T 16 | 9 0 | 27 37 | 4 37 | 18 11 | 3 35 | 6 16 | 1 21 | 24 57 | 2 9 | 5 40 | 1 22 | 11 54 | 1 30 | 23 30 | 0 13 | 12 2 | 0 14 | 13 37 | 9 41 | 12 42 | 13 6 | 24 59 | 10 59 | 7 13 | T 16 |
| F 17 | 9 22 | 27 21 | 4 5 | 17 56 | 3 29 | 6 45 | 1 21 | 24 53 | 2 9 | 5 42 | 1 22 | 11 55 | 1 30 | 23 30 | 0 13 | 12 2 | 0 14 | 13 37 | 9 41 | 12 44 | 13 7 | 25 0 | 11 0 | 7 12 | F 17 |
| S 18 | 9 43 | 25 48 | 3 21 | 17 36 | 3 21 | 7 14 | 1 20 | 24 48 | 2 8 | 5 44 | 1 22 | 11 56 | 1 30 | 23 30 | 0 13 | 12 3 | 0 14 | 13 38 | 9 40 | 12 44 | 13 8 | 25 1 | 11 0 | 7 12 | S 18 |
| S 19 | 10 5 | 23 1 | 2 28 | 17 13 | 3 12 | 7 42 | 1 19 | 24 43 | 2 7 | 5 45 | 1 21 | 11 56 | 1 30 | 23 30 | 0 13 | 12 3 | 0 14 | 13 38 | 9 40 | 12 45 | 13 9 | 25 3 | 11 1 | 7 11 | S 19 |
| M20 | 10 26 | 19 6 | 1 26 | 16 45 | 3 1 | 8 10 | 1 18 | 24 38 | 2 7 | 5 47 | 1 21 | 11 57 | 1 29 | 23 29 | 0 13 | 12 3 | 0 14 | 13 38 | 9 39 | 12 44 | 13 10 | 25 4 | 11 1 | 7 11 | M20 |
| T 21 | 10 47 | 14 11 | 0 19 | 16 13 | 2 47 | 8 38 | 1 17 | 24 33 | 2 6 | 5 49 | 1 21 | 11 57 | 1 29 | 23 29 | 0 13 | 12 3 | 0 14 | 13 39 | 9 39 | 12 44 | 13 11 | 25 5 | 11 2 | 7 10 | T 21 |
| W22 | 11 8 | 8 28 | 0s52 | 15 38 | 2 33 | 9 6 | 1 16 | 24 28 | 2 5 | 5 50 | 1 21 | 11 58 | 1 29 | 23 29 | 0 13 | 12 4 | 0 14 | 13 39 | 9 39 | 12 44 | 13 12 | 25 7 | 11 2 | 7 10 | W22 |
| T 23 | 11 29 | 2 9 | 2 2 | 15 0 | 2 16 | 9 34 | 1 15 | 24 22 | 2 5 | 5 52 | 1 21 | 11 58 | 1 29 | 23 29 | 0 13 | 12 4 | 0 14 | 13 40 | 9 38 | 12 45 | 13 13 | 25 8 | 11 2 | 7 9 | T 23 |
| F 24 | 11 49 | 4s28 | 3 7 | 14 19 | 1 58 | 10 2 | 1 13 | 24 16 | 2 4 | 5 53 | 1 21 | 11 59 | 1 29 | 23 29 | 0 13 | 12 4 | 0 14 | 13 40 | 9 38 | 12 47 | 13 15 | 25 10 | 11 3 | 7 8 | F 24 |
| S 25 | 12 10 | 11 2 | 4 1 | 13 36 | 1 39 | 10 29 | 1 12 | 24 10 | 2 3 | 5 54 | 1 21 | 11 59 | 1 29 | 23 29 | 0 13 | 12 4 | 0 14 | 13 40 | 9 38 | 12 49 | 13 16 | 25 11 | 11 3 | 7 8 | S 25 |
| S 26 | 12 30 | 17 6 | 4 40 | 12 53 | 1 19 | 10 56 | 1 11 | 24 4 | 2 3 | 5 55 | 1 20 | 11 59 | 1 29 | 23 29 | 0 13 | 12 4 | 0 14 | 13 41 | 9 37 | 12 52 | 13 17 | 25 12 | 11 4 | 7 7 | S 26 |
| M27 | 12 50 | 22 10 | 5 0 | 12 11 | 0 58 | 11 23 | 1 9 | 23 57 | 2 2 | 5 57 | 1 20 | 12 0 | 1 29 | 23 29 | 0 13 | 12 4 | 0 14 | 13 41 | 9 37 | 12 56 | 13 18 | 25 14 | 11 4 | 7 7 | M27 |
| T 28 | 13 10 | 25 45 | 4 58 | 11 30 | 0 38 | 11 49 | 1 8 | 23 50 | 2 1 | 5 58 | 1 20 | 12 0 | 1 29 | 23 29 | 0 13 | 12 5 | 0 14 | 13 41 | 9 37 | 12 59 | 13 19 | 25 15 | 11 4 | 7 6 | T 28 |
| W29 | 13 29 | 27 28 | 4 36 | 10 52 | 0 17 | 12 15 | 1 7 | 23 43 | 2 0 | 5 59 | 1 20 | 12 0 | 1 29 | 23 29 | 0 13 | 12 5 | 0 14 | 13 42 | 9 36 | 13 2 | 13 20 | 25 16 | 11 4 | 7 6 | W29 |
| T 30 | 13 49 | 27 12 | 3 57 | 10 17 | 0n 3 | 12 41 | 1 5 | 23 36 | 2 0 | 6 0 | 1 20 | 12 0 | 1 29 | 23 29 | 0 13 | 12 5 | 0 14 | 13 42 | 9 36 | 13 4 | 13 21 | 25 18 | 11 5 | 7 5 | T 30 |
| F 31 | 14s 8 | 25s 7 | 3s 3 | 9s46 | 0n21 | 13s 7 | 1n 3 | 23s28 | 1s59 | 6s 0 | 1s20 | 12s 0 | 1s29 | 23s29 | 0s13 | 12s 5 | 0s14 | 13s43 | 9n36 | 13s 5 | 13s22 | 25n19 | 11s 5 | 7n 4 | F 31 |

Julian Day Number = 2814869.5, Delta T = 54m18s
Ecliptic obliquity = 23°18'45, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°39'56, Lahiri = 37°46'57


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# ASTRODIENST EPHEMERIS for the year 2994
# geocentric

## NOVEMBER 2994 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 43 40 | 9♏ 4'55 | 1♒54 | 25°R53 | 9♏18 | 22♑46 | 17°R48 | 2°R13 | 3♑53 | 28°R41 | 28♗11 | 25°R 4 | 24♒13 | 1♊26 | 8♒59 | S 1 |
| S 2 | 2 47 37 | 10° 4'24 | 15°20 | 25♎38 | 10°33 | 23°28 | 17♓46 | 2♓13 | 3°55 | 28♒40 | 28°13 | 25°D 4 | 24° 9 | 1°33 | 9° 0 | S 2 |
| M 3 | 2 51 33 | 11° 3'54 | 28°24 | 25°D34 | 11°48 | 24°11 | 17°44 | 2°13 | 3°58 | 28°40 | 28°15 | 25°R 4 | 24° 6 | 1°40 | 9° 2 | M 3 |
| T 4 | 2 55 30 | 12° 3'26 | 11♓ 9 | 25°42 | 13° 3 | 24°54 | 17°42 | 2°12 | 4° 0 | 28°40 | 28°16 | 25♒ 4 | 24° 3 | 1°46 | 9° 3 | T 4 |
| W 5 | 2 59 26 | 13° 3'00 | 23°40 | 26° 0 | 14°19 | 25°37 | 17°40 | 2°D12 | 4° 3 | 28°40 | 28°18 | 25° 0 | 24° 0 | 1°53 | 9° 5 | W 5 |
| T 6 | 3 3 23 | 14° 2'35 | 6♈ 0 | 26°28 | 15°34 | 26°20 | 17°39 | 2°12 | 4° 6 | 28°40 | 28°20 | 24°55 | 23°57 | 2° 0 | 9° 6 | T 6 |
| F 7 | 3 7 19 | 15° 2'12 | 18°10 | 27° 5 | 16°49 | 27° 3 | 17°38 | 2°13 | 4° 8 | 28°40 | 28°22 | 24°46 | 23°54 | 2° 7 | 9° 8 | F 7 |
| S 8 | 3 11 16 | 16° 1'51 | 0♉15 | 27°51 | 18° 4 | 27°46 | 17°37 | 2°13 | 4°11 | 28°39 | 28°24 | 24°34 | 23°50 | 2°13 | 9° 9 | S 8 |
| S 9 | 3 15 13 | 17° 1'32 | 12°14 | 28°45 | 19°19 | 28°29 | 17°36 | 2°13 | 4°14 | 28°D39 | 28°25 | 24°21 | 23°47 | 2°20 | 9°11 | S 9 |
| M10 | 3 19 9 | 18° 1'15 | 24° 9 | 29°46 | 20°34 | 29°13 | 17°35 | 2°14 | 4°17 | 28°39 | 28°27 | 24° 6 | 23°44 | 2°27 | 9°13 | M10 |
| T 11 | 3 23 6 | 19° 1'00 | 6♊ 2 | 0♏53 | 21°49 | 29°56 | 17°35 | 2°14 | 4°19 | 28°39 | 28°29 | 23°52 | 23°41 | 2°34 | 9°15 | T 11 |
| W12 | 3 27 2 | 20° 0'47 | 17°53 | 2° 5 | 23° 4 | 0♒40 | 17°D35 | 2°15 | 4°22 | 28°40 | 28°31 | 23°39 | 23°38 | 2°40 | 9°17 | W12 |
| T 13 | 3 30 59 | 21° 0'36 | 29°46 | 3°21 | 24°19 | 1°23 | 17°35 | 2°15 | 4°25 | 28°40 | 28°33 | 23°28 | 23°34 | 2°47 | 9°19 | T 13 |
| F 14 | 3 34 55 | 22° 0'27 | 11♋41 | 4°42 | 25°34 | 2° 7 | 17°35 | 2°16 | 4°28 | 28°40 | 28°35 | 23°20 | 23°31 | 2°54 | 9°21 | F 14 |
| S 15 | 3 38 52 | 23° 0'20 | 23°43 | 6° 6 | 26°49 | 2°51 | 17°36 | 2°17 | 4°31 | 28°40 | 28°37 | 23°15 | 23°28 | 3° 0 | 9°23 | S 15 |
| S 16 | 3 42 48 | 24° 0'15 | 5♌56 | 7°32 | 28° 4 | 3°35 | 17°36 | 2°18 | 4°34 | 28°40 | 28°39 | 23°13 | 23°25 | 3° 7 | 9°26 | S 16 |
| M17 | 3 46 45 | 25° 0'12 | 18°23 | 9° 1 | 29°19 | 4°19 | 17°37 | 2°19 | 4°37 | 28°40 | 28°41 | 23°12 | 23°22 | 3°14 | 9°28 | M17 |
| T 18 | 3 50 42 | 26° 0'12 | 1♍11 | 10°32 | 0♐35 | 5° 3 | 17°38 | 2°21 | 4°40 | 28°41 | 28°43 | 23°12 | 23°19 | 3°21 | 9°30 | T 18 |
| W19 | 3 54 38 | 27° 0'13 | 14°23 | 12° 4 | 1°50 | 5°47 | 17°40 | 2°22 | 4°43 | 28°41 | 28°45 | 23°11 | 23°15 | 3°27 | 9°33 | W19 |
| T 20 | 3 58 35 | 28° 0'17 | 28° 3 | 13°38 | 3° 5 | 6°31 | 17°41 | 2°23 | 4°46 | 28°41 | 28°47 | 23° 9 | 23°12 | 3°34 | 9°35 | T 20 |
| F 21 | 4 2 31 | 29° 0'22 | 12♎13 | 15°12 | 4°20 | 7°15 | 17°43 | 2°25 | 4°49 | 28°42 | 28°49 | 23° 4 | 23° 9 | 3°41 | 9°38 | F 21 |
| S 22 | 4 6 28 | 0♐ 0'30 | 26°51 | 16°47 | 5°35 | 8° 0 | 17°45 | 2°27 | 4°52 | 28°42 | 28°51 | 22°56 | 23° 6 | 3°47 | 9°40 | S 22 |
| S 23 | 4 10 24 | 1° 0'39 | 11♏54 | 18°23 | 6°50 | 8°44 | 17°47 | 2°28 | 4°56 | 28°43 | 28°53 | 22°46 | 23° 3 | 3°54 | 9°43 | S 23 |
| M24 | 4 14 21 | 2° 0'51 | 27°11 | 20° 0 | 8° 5 | 9°29 | 17°49 | 2°30 | 4°59 | 28°43 | 28°55 | 22°35 | 23° 0 | 4° 1 | 9°46 | M24 |
| T 25 | 4 18 17 | 3° 1'04 | 12♐33 | 21°36 | 9°21 | 10°13 | 17°51 | 2°32 | 5° 2 | 28°44 | 28°57 | 22°24 | 22°56 | 4° 8 | 9°49 | T 25 |
| W26 | 4 22 14 | 4° 1'19 | 27°46 | 23°13 | 10°36 | 10°58 | 17°54 | 2°34 | 5° 5 | 28°44 | 28°59 | 22°14 | 22°53 | 4°14 | 9°52 | W26 |
| T 27 | 4 26 11 | 5° 1'36 | 12♑42 | 24°50 | 11°51 | 11°42 | 17°57 | 2°36 | 5° 9 | 28°45 | 29° 1 | 22° 6 | 22°50 | 4°21 | 9°54 | T 27 |
| F 28 | 4 30 7 | 6° 1'54 | 27°12 | 26°26 | 13° 6 | 12°27 | 18° 0 | 2°39 | 5°12 | 28°45 | 29° 4 | 22° 2 | 22°47 | 4°28 | 9°58 | F 28 |
| S 29 | 4 34 4 | 7° 2'13 | 11♒13 | 28° 3 | 14°21 | 13°12 | 18° 3 | 2°41 | 5°15 | 28°46 | 29° 6 | 22° 0 | 22°44 | 4°35 | 10° 1 | S 29 |
| S 30 | 4 38 0 | 8♐ 2'34 | 24♒45 | 29♏40 | 15♐37 | 13♒57 | 18♓ 7 | 2♓43 | 5♑19 | 28♒47 | 29♐ 8 | 21°D59 | 22♒40 | 4♊41 | 10♒ 4 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s27 | 21s34 | 2s 0 | 9s21 | 0n39 | 13s32 | 1n 2 | 23s21 | 1s58 | 6s 1 | 1s19 | 12s 0 | 1s29 | 23s29 | 0s13 | 12s 5 | 0s14 | 13s43 | 9n35 | 13s 6 | 13s23 | 25n20 | 11s 5 | 7n 4 |
| S 2 | 14 46 | 16 58 | 0 51 | 9 0 | 0 55 | 13 57 | 1 0 | 23 13 | 1 57 | 6 2 | 1 19 | 12 1 | 1 29 | 23 29 | 0 13 | 12 5 | 0 14 | 13 43 | 9 35 | 13 6 | 13 24 | 25 21 | 11 6 | 7 3 |
| M 3 | 15 4 | 11 42 | 0n18 | 8 45 | 1 9 | 14 22 | 0 58 | 23 4 | 1 57 | 6 2 | 1 19 | 12 1 | 1 28 | 23 29 | 0 13 | 12 5 | 0 14 | 13 44 | 9 35 | 13 6 | 13 25 | 25 23 | 11 6 | 7 3 |
| T 4 | 15 22 | 6 3 | 1 24 | 8 36 | 1 22 | 14 46 | 0 57 | 22 56 | 1 56 | 6 3 | 1 19 | 12 1 | 1 28 | 23 28 | 0 13 | 12 5 | 0 14 | 13 44 | 9 34 | 13 6 | 13 26 | 25 24 | 11 6 | 7 2 |
| W 5 | 15 40 | 0 17 | 2 25 | 8 32 | 1 33 | 15 10 | 0 55 | 22 47 | 1 55 | 6 3 | 1 19 | 12 1 | 1 28 | 23 28 | 0 13 | 12 5 | 0 14 | 13 44 | 9 34 | 13 7 | 13 27 | 25 25 | 11 6 | 7 2 |
| T 6 | 15 58 | 5n24 | 3 18 | 8 34 | 1 43 | 15 34 | 0 53 | 22 39 | 1 54 | 6 4 | 1 19 | 12 0 | 1 28 | 23 28 | 0 13 | 12 5 | 0 14 | 13 45 | 9 34 | 13 9 | 13 28 | 25 27 | 11 6 | 7 1 |
| F 7 | 16 16 | 10 49 | 4 1 | 8 40 | 1 51 | 15 57 | 0 51 | 22 30 | 1 53 | 6 4 | 1 18 | 12 0 | 1 28 | 23 28 | 0 13 | 12 6 | 0 14 | 13 45 | 9 33 | 13 12 | 13 29 | 25 28 | 11 6 | 7 1 |
| S 8 | 16 33 | 15 46 | 4 33 | 8 50 | 1 57 | 16 20 | 0 49 | 22 20 | 1 53 | 6 4 | 1 18 | 12 0 | 1 28 | 23 28 | 0 13 | 12 6 | 0 14 | 13 45 | 9 33 | 13 16 | 13 30 | 25 29 | 11 6 | 7 0 |
| S 9 | 16 50 | 20 4 | 4 53 | 9 4 | 2 2 | 16 42 | 0 47 | 22 11 | 1 52 | 6 4 | 1 18 | 12 0 | 1 28 | 23 28 | 0 13 | 12 6 | 0 14 | 13 46 | 9 33 | 13 20 | 13 31 | 25 30 | 11 7 | 7 0 |
| M10 | 17 7 | 23 32 | 4 59 | 9 22 | 2 5 | 17 4 | 0 45 | 22 1 | 1 51 | 6 4 | 1 18 | 12 0 | 1 28 | 23 28 | 0 13 | 12 6 | 0 14 | 13 46 | 9 32 | 13 25 | 13 32 | 25 31 | 11 7 | 6 59 |
| T 11 | 17 23 | 26 0 | 4 53 | 9 43 | 2 8 | 17 26 | 0 43 | 21 51 | 1 50 | 6 4 | 1 18 | 11 59 | 1 28 | 23 28 | 0 13 | 12 6 | 0 14 | 13 46 | 9 32 | 13 30 | 13 33 | 25 33 | 11 7 | 6 58 |
| W12 | 17 39 | 27 18 | 4 33 | 10 7 | 2 9 | 17 47 | 0 41 | 21 41 | 1 49 | 6 4 | 1 17 | 11 59 | 1 28 | 23 28 | 0 13 | 12 6 | 0 14 | 13 46 | 9 32 | 13 34 | 13 34 | 25 34 | 11 7 | 6 58 |
| T 13 | 17 55 | 27 21 | 4 2 | 10 33 | 2 9 | 18 7 | 0 39 | 21 30 | 1 48 | 6 4 | 1 17 | 11 59 | 1 28 | 23 28 | 0 13 | 12 5 | 0 14 | 13 47 | 9 32 | 13 38 | 13 35 | 25 35 | 11 7 | 6 57 |
| F 14 | 18 10 | 26 8 | 3 20 | 11 1 | 2 8 | 18 27 | 0 37 | 21 20 | 1 48 | 6 4 | 1 17 | 11 58 | 1 28 | 23 28 | 0 13 | 12 5 | 0 14 | 13 47 | 9 31 | 13 40 | 13 36 | 25 36 | 11 7 | 6 57 |
| S 15 | 18 26 | 23 41 | 2 29 | 11 30 | 2 6 | 18 47 | 0 35 | 21 9 | 1 47 | 6 3 | 1 17 | 11 58 | 1 28 | 23 28 | 0 13 | 12 5 | 0 14 | 13 47 | 9 31 | 13 42 | 13 38 | 25 38 | 11 7 | 6 56 |
| S 16 | 18 40 | 20 9 | 1 30 | 12 0 | 2 4 | 19 6 | 0 32 | 20 58 | 1 46 | 6 3 | 1 17 | 11 58 | 1 27 | 23 27 | 0 13 | 12 5 | 0 14 | 13 48 | 9 31 | 13 43 | 13 39 | 25 39 | 11 6 | 6 56 |
| M17 | 18 55 | 15 38 | 0 25 | 12 31 | 2 0 | 19 24 | 0 30 | 20 47 | 1 45 | 6 2 | 1 16 | 11 57 | 1 27 | 23 27 | 0 13 | 12 5 | 0 14 | 13 48 | 9 30 | 13 43 | 13 40 | 25 40 | 11 6 | 6 55 |
| T 18 | 19 9 | 10 21 | 0s42 | 13 3 | 1 57 | 19 42 | 0 28 | 20 35 | 1 44 | 6 2 | 1 16 | 11 57 | 1 27 | 23 27 | 0 13 | 12 5 | 0 14 | 13 48 | 9 30 | 13 43 | 13 41 | 25 41 | 11 6 | 6 55 |
| W19 | 19 23 | 4 26 | 1 49 | 13 36 | 1 52 | 20 0 | 0 26 | 20 24 | 1 43 | 6 1 | 1 16 | 11 56 | 1 27 | 23 27 | 0 13 | 12 5 | 0 14 | 13 48 | 9 30 | 13 43 | 13 42 | 25 42 | 11 6 | 6 54 |
| T 20 | 19 37 | 1s52 | 2 53 | 14 8 | 1 48 | 20 17 | 0 23 | 20 12 | 1 43 | 6 0 | 1 16 | 11 55 | 1 27 | 23 27 | 0 13 | 12 5 | 0 14 | 13 49 | 9 30 | 13 44 | 13 43 | 25 43 | 11 6 | 6 54 |
| F 21 | 19 50 | 8 18 | 3 48 | 14 40 | 1 42 | 20 33 | 0 21 | 20 0 | 1 42 | 6 0 | 1 16 | 11 55 | 1 27 | 23 27 | 0 13 | 12 5 | 0 14 | 13 49 | 9 29 | 13 45 | 13 44 | 25 45 | 11 6 | 6 53 |
| S 22 | 20 3 | 14 30 | 4 30 | 15 13 | 1 37 | 20 49 | 0 19 | 19 48 | 1 41 | 5 59 | 1 15 | 11 54 | 1 27 | 23 27 | 0 13 | 12 5 | 0 14 | 13 49 | 9 29 | 13 48 | 13 45 | 25 46 | 11 6 | 6 53 |
| S 23 | 20 15 | 20 0 | 4 55 | 15 45 | 1 31 | 21 4 | 0 16 | 19 35 | 1 40 | 5 58 | 1 15 | 11 53 | 1 27 | 23 27 | 0 13 | 12 4 | 0 14 | 13 49 | 9 29 | 13 51 | 13 46 | 25 47 | 11 5 | 6 52 |
| M24 | 20 27 | 24 17 | 4 59 | 16 17 | 1 25 | 21 19 | 0 14 | 19 23 | 1 39 | 5 57 | 1 15 | 11 53 | 1 27 | 23 27 | 0 13 | 12 4 | 0 14 | 13 50 | 9 29 | 13 55 | 13 47 | 25 48 | 11 5 | 6 52 |
| T 25 | 20 39 | 26 51 | 4 42 | 16 48 | 1 19 | 21 33 | 0 12 | 19 10 | 1 38 | 5 55 | 1 15 | 11 52 | 1 27 | 23 26 | 0 13 | 12 4 | 0 14 | 13 50 | 9 29 | 13 59 | 13 48 | 25 49 | 11 5 | 6 51 |
| W26 | 20 50 | 27 23 | 4 5 | 17 19 | 1 12 | 21 46 | 0 9 | 18 57 | 1 37 | 5 54 | 1 15 | 11 51 | 1 27 | 23 26 | 0 13 | 12 4 | 0 14 | 13 50 | 9 28 | 14 2 | 13 49 | 25 50 | 11 5 | 6 51 |
| T 27 | 21 1 | 25 53 | 3 12 | 17 49 | 1 6 | 21 59 | 0 7 | 18 44 | 1 36 | 5 53 | 1 14 | 11 50 | 1 27 | 23 26 | 0 13 | 12 4 | 0 14 | 13 50 | 9 28 | 14 4 | 13 50 | 25 51 | 11 4 | 6 50 |
| F 28 | 21 12 | 22 41 | 2 7 | 18 18 | 0 59 | 22 11 | 0 4 | 18 30 | 1 35 | 5 52 | 1 14 | 11 49 | 1 26 | 23 26 | 0 13 | 12 4 | 0 14 | 13 51 | 9 28 | 14 6 | 13 51 | 25 52 | 11 4 | 6 50 |
| S 29 | 21 22 | 18 14 | 0 57 | 18 46 | 0 52 | 22 22 | 0 2 | 18 17 | 1 34 | 5 50 | 1 14 | 11 48 | 1 26 | 23 26 | 0 13 | 12 3 | 0 14 | 13 51 | 9 28 | 14 6 | 13 52 | 25 53 | 11 4 | 6 49 |
| S 30 | 21s32 | 12s58 | 0n15 | 19s14 | 0n45 | 22s33 | 0s 0 | 18s 3 | 1s34 | 5s49 | 1s14 | 11s47 | 1s26 | 23s26 | 0s13 | 12s 3 | 0s14 | 13s51 | 9n27 | 14s 6 | 13s53 | 25n55 | 11s 3 | 6n49 |

Julian Day Number = 2814900.5, Delta T = 54m18s
Ecliptic obliquity = 23°18'45, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'00, Lahiri = 37°47'01


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# ASTRODIENST EPHEMERIS for the year 2994
# geocentric

## DECEMBER 2994 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 4 41 57 | 9♐ 2'56 | 7♓52 | 1♐16 | 16♐52 | 14♒42 | 18♓10 | 2♓46 | 5♑22 | 28♒47 | 29♐10 | 22°R 0 | 22♒37 | 4♊48 | 10♒ 7 | M 1 |
| T 2 | 4 45 53 | 10° 3'19 | 20°36 | 2°53 | 18° 7 | 15°27 | 18°14 | 2°49 | 5°25 | 28°48 | 29°12 | 21♒59 | 22°34 | 4°55 | 10°10 | T 2 |
| W 3 | 4 49 50 | 11° 3'44 | 3♈ 2 | 4°29 | 19°22 | 16°12 | 18°18 | 2°51 | 5°29 | 28°49 | 29°14 | 21°57 | 22°31 | 5° 1 | 10°13 | W 3 |
| T 4 | 4 53 46 | 12° 4'10 | 15°14 | 6° 5 | 20°37 | 16°57 | 18°23 | 2°54 | 5°32 | 28°50 | 29°17 | 21°52 | 22°28 | 5° 8 | 10°17 | T 4 |
| F 5 | 4 57 43 | 13° 4'37 | 27°17 | 7°41 | 21°53 | 17°42 | 18°27 | 2°57 | 5°36 | 28°51 | 29°19 | 21°45 | 22°25 | 5°15 | 10°20 | F 5 |
| S 6 | 5 1 40 | 14° 5'05 | 9♉14 | 9°16 | 23° 8 | 18°27 | 18°32 | 3° 0 | 5°39 | 28°51 | 29°21 | 21°34 | 22°21 | 5°22 | 10°24 | S 6 |
| S 7 | 5 5 36 | 15° 5'35 | 21° 8 | 10°52 | 24°23 | 19°12 | 18°36 | 3° 3 | 5°42 | 28°52 | 29°23 | 21°22 | 22°18 | 5°28 | 10°27 | S 7 |
| M 8 | 5 9 33 | 16° 6'06 | 3♊ 0 | 12°27 | 25°38 | 19°58 | 18°41 | 3° 6 | 5°46 | 28°53 | 29°26 | 21° 9 | 22°15 | 5°35 | 10°31 | M 8 |
| T 9 | 5 13 29 | 17° 6'39 | 14°53 | 14° 2 | 26°53 | 20°43 | 18°46 | 3°10 | 5°49 | 28°54 | 29°28 | 20°57 | 22°12 | 5°42 | 10°34 | T 9 |
| W10 | 5 17 26 | 18° 7'13 | 26°48 | 15°37 | 28° 9 | 21°28 | 18°52 | 3°13 | 5°53 | 28°55 | 29°30 | 20°45 | 22° 9 | 5°48 | 10°38 | W10 |
| T 11 | 5 21 22 | 19° 7'49 | 8♋45 | 17°12 | 29°24 | 22°14 | 18°57 | 3°16 | 5°57 | 28°56 | 29°32 | 20°35 | 22° 6 | 5°55 | 10°42 | T 11 |
| F 12 | 5 25 19 | 20° 8'26 | 20°47 | 18°47 | 0♑39 | 22°59 | 19° 3 | 3°20 | 6° 0 | 28°57 | 29°35 | 20°28 | 22° 2 | 6° 2 | 10°46 | F 12 |
| S 13 | 5 29 16 | 21° 9'04 | 2♌56 | 20°21 | 1°54 | 23°45 | 19° 9 | 3°24 | 6° 4 | 28°58 | 29°37 | 20°24 | 21°59 | 6° 9 | 10°49 | S 13 |
| S 14 | 5 33 12 | 22° 9'44 | 15°14 | 21°56 | 3° 9 | 24°30 | 19°15 | 3°27 | 6° 7 | 29° 0 | 29°39 | 20°D23 | 21°56 | 6°15 | 10°53 | S 14 |
| M15 | 5 37 9 | 23°10'25 | 27°45 | 23°30 | 4°25 | 25°16 | 19°21 | 3°31 | 6°11 | 29° 1 | 29°42 | 20°23 | 21°53 | 6°22 | 10°57 | M15 |
| T 16 | 5 41 5 | 24°11'08 | 10♍32 | 25° 4 | 5°40 | 26° 1 | 19°27 | 3°35 | 6°14 | 29° 2 | 29°44 | 20°24 | 21°50 | 6°29 | 11° 1 | T 16 |
| W17 | 5 45 2 | 25°11'52 | 23°40 | 26°38 | 6°55 | 26°47 | 19°34 | 3°39 | 6°18 | 29° 3 | 29°46 | 20°R24 | 21°46 | 6°35 | 11° 5 | W17 |
| T 18 | 5 48 58 | 26°12'38 | 7♎11 | 28°12 | 8°10 | 27°32 | 19°41 | 3°43 | 6°22 | 29° 4 | 29°48 | 20°24 | 21°43 | 6°42 | 11° 9 | T 18 |
| F 19 | 5 52 55 | 27°13'25 | 21° 8 | 29°46 | 9°25 | 28°18 | 19°47 | 3°47 | 6°25 | 29° 6 | 29°51 | 20°21 | 21°40 | 6°49 | 11°13 | F 19 |
| S 20 | 5 56 51 | 28°14'13 | 5♏32 | 1♑20 | 10°41 | 29° 4 | 19°54 | 3°51 | 6°29 | 29° 7 | 29°53 | 20°16 | 21°37 | 6°56 | 11°17 | S 20 |
| S 21 | 6 0 48 | 29°15'04 | 20°19 | 2°54 | 11°56 | 29°49 | 20° 2 | 3°56 | 6°33 | 29° 8 | 29°55 | 20°10 | 21°34 | 7° 2 | 11°22 | S 21 |
| M22 | 6 4 45 | 0♑15'55 | 5♐23 | 4°28 | 13°11 | 0♓35 | 20° 9 | 4° 0 | 6°36 | 29°10 | 29°58 | 20° 2 | 21°31 | 7° 9 | 11°26 | M22 |
| T 23 | 6 8 41 | 1°16'48 | 20°36 | 6° 2 | 14°26 | 1°21 | 20°16 | 4° 5 | 6°40 | 29°11 | 29°59 | 19°54 | 21°27 | 7°16 | 11°30 | T 23 |
| W24 | 6 12 38 | 2°17'41 | 5♑46 | 7°36 | 15°42 | 2° 7 | 20°24 | 4° 9 | 6°43 | 29°12 | 0♑ 2 | 19°47 | 21°24 | 7°23 | 11°35 | W24 |
| T 25 | 6 16 34 | 3°18'36 | 20°44 | 9°11 | 16°57 | 2°53 | 20°32 | 4°14 | 6°47 | 29°14 | 0° 5 | 19°42 | 21°21 | 7°29 | 11°39 | T 25 |
| F 26 | 6 20 31 | 4°19'32 | 5♒21 | 10°45 | 18°12 | 3°39 | 20°40 | 4°18 | 6°51 | 29°15 | 0° 7 | 19°39 | 21°18 | 7°36 | 11°43 | F 26 |
| S 27 | 6 24 27 | 5°20'28 | 19°32 | 12°19 | 19°27 | 4°24 | 20°48 | 4°23 | 6°54 | 29°17 | 0° 9 | 19°D38 | 21°15 | 7°43 | 11°48 | S 27 |
| S 28 | 6 28 24 | 6°21'24 | 3♓14 | 13°53 | 20°43 | 5°10 | 20°56 | 4°28 | 6°58 | 29°18 | 0°11 | 19°38 | 21°12 | 7°49 | 11°52 | S 28 |
| M29 | 6 32 20 | 7°22'22 | 16°29 | 15°27 | 21°58 | 5°56 | 21° 5 | 4°33 | 7° 2 | 29°20 | 0°14 | 19°40 | 21° 8 | 7°56 | 11°57 | M29 |
| T 30 | 6 36 17 | 8°23'19 | 29°19 | 17° 2 | 23°13 | 6°42 | 21°13 | 4°38 | 7° 5 | 29°22 | 0°16 | 19°41 | 21° 5 | 8° 3 | 12° 1 | T 30 |
| W31 | 6 40 14 | 9♑24'18 | 11♈48 | 18♑36 | 24♑28 | 7♓28 | 21♓22 | 4♓43 | 7♑ 9 | 29♒23 | 0♑18 | 19°R42 | 21♒ 2 | 8♊10 | 12♒ 6 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21s41 | 7s17 | 1n23 | 19s41 | 0n38 | 22s43 | 0s 3 | 17s49 | 1s33 | 5s47 | 1s14 | 11s46 | 1s26 | 23s26 | 0s13 | 12s 3 | 0s14 | 13s51 | 9n27 | 14s 6 | 13s54 | 25n56 | 11s 3 | 6n48 |
| T 2 | 21 50 | 1 29 | 2 25 | 20 6 | 0 32 | 22 52 | 0 5 | 17 35 | 1 32 | 5 45 | 1 13 | 11 45 | 1 26 | 23 26 | 0 13 | 12 3 | 0 14 | 13 52 | 9 27 | 14 6 | 13 55 | 25 57 | 11 3 | 6 48 |
| W 3 | 21 59 | 4n15 | 3 19 | 20 31 | 0 25 | 23 1 | 0 8 | 17 21 | 1 31 | 5 44 | 1 13 | 11 44 | 1 26 | 23 25 | 0 13 | 12 2 | 0 14 | 13 52 | 9 27 | 14 7 | 13 56 | 25 58 | 11 2 | 6 47 |
| T 4 | 22 7 | 9 42 | 4 3 | 20 55 | 0 18 | 23 9 | 0 10 | 17 6 | 1 30 | 5 42 | 1 13 | 11 43 | 1 26 | 23 25 | 0 13 | 12 2 | 0 14 | 13 52 | 9 27 | 14 9 | 13 57 | 25 59 | 11 2 | 6 47 |
| F 5 | 22 15 | 14 44 | 4 35 | 21 18 | 0 11 | 23 16 | 0 13 | 16 52 | 1 29 | 5 40 | 1 13 | 11 42 | 1 26 | 23 25 | 0 13 | 12 2 | 0 14 | 13 52 | 9 27 | 14 11 | 13 58 | 26 0 | 11 1 | 6 47 |
| S 6 | 22 22 | 19 9 | 4 55 | 21 40 | 0 4 | 23 23 | 0 15 | 16 37 | 1 28 | 5 38 | 1 13 | 11 41 | 1 26 | 23 25 | 0 13 | 12 1 | 0 14 | 13 52 | 9 26 | 14 14 | 13 59 | 26 1 | 11 1 | 6 46 |
| S 7 | 22 29 | 22 48 | 5 2 | 22 0 | 0s 3 | 23 29 | 0 17 | 16 22 | 1 27 | 5 36 | 1 12 | 11 40 | 1 26 | 23 25 | 0 13 | 12 1 | 0 14 | 13 52 | 9 26 | 14 18 | 14 0 | 26 2 | 11 0 | 6 46 |
| M 8 | 22 35 | 25 29 | 4 55 | 22 20 | 0 10 | 23 34 | 0 20 | 16 7 | 1 26 | 5 34 | 1 12 | 11 39 | 1 26 | 23 25 | 0 13 | 12 1 | 0 14 | 13 53 | 9 26 | 14 22 | 14 1 | 26 3 | 11 0 | 6 45 |
| T 9 | 22 41 | 27 2 | 4 36 | 22 39 | 0 17 | 23 39 | 0 22 | 15 51 | 1 25 | 5 31 | 1 12 | 11 37 | 1 26 | 23 25 | 0 13 | 12 0 | 0 14 | 13 53 | 9 26 | 14 26 | 14 2 | 26 4 | 10 59 | 6 45 |
| W10 | 22 47 | 27 21 | 4 5 | 22 56 | 0 23 | 23 43 | 0 25 | 15 36 | 1 24 | 5 29 | 1 12 | 11 36 | 1 25 | 23 24 | 0 13 | 12 0 | 0 14 | 13 53 | 9 26 | 14 30 | 14 3 | 26 5 | 10 59 | 6 44 |
| T 11 | 22 52 | 26 24 | 3 23 | 23 12 | 0 30 | 23 46 | 0 27 | 15 21 | 1 23 | 5 27 | 1 12 | 11 35 | 1 25 | 23 24 | 0 13 | 12 0 | 0 14 | 13 53 | 9 26 | 14 33 | 14 4 | 26 6 | 10 58 | 6 44 |
| F 12 | 22 57 | 24 12 | 2 31 | 23 27 | 0 37 | 23 48 | 0 29 | 15 5 | 1 22 | 5 25 | 1 12 | 11 33 | 1 25 | 23 24 | 0 13 | 11 59 | 0 14 | 13 53 | 9 25 | 14 35 | 14 5 | 26 7 | 10 58 | 6 44 |
| S 13 | 23 1 | 20 53 | 1 32 | 23 41 | 0 43 | 23 50 | 0 32 | 14 49 | 1 21 | 5 22 | 1 11 | 11 32 | 1 25 | 23 24 | 0 13 | 11 59 | 0 14 | 13 53 | 9 25 | 14 37 | 14 6 | 26 8 | 10 57 | 6 43 |
| S 14 | 23 5 | 16 37 | 0 27 | 23 53 | 0 49 | 23 50 | 0 34 | 14 33 | 1 20 | 5 20 | 1 11 | 11 31 | 1 25 | 23 24 | 0 13 | 11 59 | 0 14 | 13 54 | 9 25 | 14 37 | 14 7 | 26 9 | 10 56 | 6 43 |
| M15 | 23 8 | 11 34 | 0s39 | 24 4 | 0 55 | 23 51 | 0 36 | 14 17 | 1 19 | 5 17 | 1 11 | 11 29 | 1 25 | 23 24 | 0 13 | 11 58 | 0 14 | 13 54 | 9 25 | 14 37 | 14 8 | 26 10 | 10 56 | 6 42 |
| T 16 | 23 11 | 5 56 | 1 46 | 24 14 | 1 1 | 23 50 | 0 39 | 14 1 | 1 19 | 5 14 | 1 11 | 11 28 | 1 25 | 23 23 | 0 13 | 11 58 | 0 14 | 13 54 | 9 25 | 14 37 | 14 9 | 26 11 | 10 55 | 6 42 |
| W17 | 23 14 | 0s 5 | 2 49 | 24 23 | 1 7 | 23 49 | 0 41 | 13 44 | 1 18 | 5 12 | 1 11 | 11 26 | 1 25 | 23 23 | 0 14 | 11 57 | 0 14 | 13 54 | 9 25 | 14 37 | 14 10 | 26 12 | 10 54 | 6 42 |
| T 18 | 23 16 | 6 16 | 3 44 | 24 31 | 1 13 | 23 47 | 0 43 | 13 28 | 1 17 | 5 9 | 1 10 | 11 25 | 1 25 | 23 23 | 0 14 | 11 57 | 0 14 | 13 54 | 9 25 | 14 37 | 14 11 | 26 13 | 10 54 | 6 41 |
| F 19 | 23 17 | 12 21 | 4 28 | 24 37 | 1 18 | 23 44 | 0 45 | 13 11 | 1 16 | 5 6 | 1 10 | 11 23 | 1 25 | 23 23 | 0 14 | 11 57 | 0 14 | 13 54 | 9 25 | 14 38 | 14 12 | 26 14 | 10 53 | 6 41 |
| S 20 | 23 18 | 17 57 | 4 57 | 24 42 | 1 23 | 23 40 | 0 48 | 12 54 | 1 15 | 5 3 | 1 10 | 11 22 | 1 25 | 23 23 | 0 14 | 11 56 | 0 14 | 13 54 | 9 24 | 14 39 | 14 13 | 26 15 | 10 52 | 6 41 |
| S 21 | 23 19 | 22 39 | 5 7 | 24 45 | 1 28 | 23 36 | 0 50 | 12 38 | 1 14 | 5 0 | 1 10 | 11 20 | 1 25 | 23 23 | 0 14 | 11 56 | 0 14 | 13 54 | 9 24 | 14 41 | 14 15 | 26 16 | 10 51 | 6 40 |
| M22 | 23 19 | 25 56 | 4 56 | 24 48 | 1 33 | 23 31 | 0 52 | 12 21 | 1 13 | 4 57 | 1 10 | 11 18 | 1 25 | 23 22 | 0 14 | 11 55 | 0 14 | 13 54 | 9 24 | 14 44 | 14 16 | 26 16 | 10 51 | 6 40 |
| T 23 | 23 18 | 27 22 | 4 24 | 24 48 | 1 38 | 23 26 | 0 54 | 12 3 | 1 12 | 4 54 | 1 10 | 11 17 | 1 25 | 23 22 | 0 14 | 11 55 | 0 14 | 13 55 | 9 24 | 14 46 | 14 17 | 26 17 | 10 50 | 6 40 |
| W24 | 23 18 | 26 45 | 3 34 | 24 48 | 1 42 | 23 19 | 0 56 | 11 46 | 1 11 | 4 51 | 1 9 | 11 15 | 1 25 | 23 22 | 0 14 | 11 54 | 0 14 | 13 55 | 9 24 | 14 48 | 14 18 | 26 18 | 10 49 | 6 39 |
| T 25 | 23 16 | 24 11 | 2 29 | 24 46 | 1 47 | 23 12 | 0 58 | 11 29 | 1 10 | 4 48 | 1 9 | 11 13 | 1 24 | 23 22 | 0 14 | 11 54 | 0 14 | 13 55 | 9 24 | 14 50 | 14 19 | 26 19 | 10 48 | 6 39 |
| F 26 | 23 15 | 20 4 | 1 16 | 24 43 | 1 51 | 23 4 | 1 0 | 11 11 | 1 9 | 4 44 | 1 9 | 11 11 | 1 24 | 23 22 | 0 14 | 11 53 | 0 14 | 13 55 | 9 24 | 14 51 | 14 20 | 26 20 | 10 47 | 6 39 |
| S 27 | 23 12 | 14 54 | 0 1 | 24 39 | 1 54 | 22 56 | 1 2 | 10 54 | 1 8 | 4 41 | 1 9 | 11 10 | 1 24 | 23 22 | 0 14 | 11 53 | 0 14 | 13 55 | 9 24 | 14 51 | 14 21 | 26 21 | 10 46 | 6 38 |
| S 28 | 23 10 | 9 8 | 1n13 | 24 33 | 1 58 | 22 47 | 1 4 | 10 36 | 1 7 | 4 38 | 1 9 | 11 8 | 1 24 | 23 21 | 0 14 | 11 52 | 0 14 | 13 55 | 9 24 | 14 51 | 14 22 | 26 22 | 10 45 | 6 38 |
| M29 | 23 6 | 3 9 | 2 20 | 24 25 | 2 1 | 22 37 | 1 6 | 10 18 | 1 6 | 4 34 | 1 8 | 11 6 | 1 24 | 23 21 | 0 14 | 11 52 | 0 14 | 13 55 | 9 24 | 14 51 | 14 23 | 26 23 | 10 44 | 6 38 |
| T 30 | 23 3 | 2n46 | 3 18 | 24 17 | 2 4 | 22 26 | 1 7 | 10 1 | 1 5 | 4 31 | 1 8 | 11 4 | 1 24 | 23 21 | 0 14 | 11 51 | 0 14 | 13 55 | 9 24 | 14 50 | 14 24 | 26 23 | 10 44 | 6 37 |
| W31 | 22s59 | 8n24 | 4n 5 | 24s 7 | 2s 6 | 22s15 | 1s 9 | 9s43 | 1s 4 | 4s27 | 1s 8 | 11s 2 | 1s24 | 23s21 | 0s14 | 11s51 | 0s14 | 13s55 | 9n24 | 14s50 | 14s25 | 26n24 | 10s43 | 6n37 |

Julian Day Number = 2814930.5, Delta T = 54m19s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'05, Lahiri = 37°47'05


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# ASTRODIENST EPHEMERIS for the year 2995
# geocentric

## JANUARY 2995 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 44 10 | 10♑25'16 | 24♈ 1 | 20♑10 | 25♑43 | 8♓14 | 21♓31 | 4♓48 | 7♑13 | 29♒25 | 0♑21 | 19°R40 | 20♒59 | 8♊16 | 12♒10 | T 1 |
| F 2 | 6 48 7 | 11°26'16 | 6♉ 2 | 21°45 | 26°59 | 9° 0 | 21°40 | 4°53 | 7°16 | 29°26 | 0°23 | 19♒37 | 20°56 | 8°23 | 12°15 | F 2 |
| S 3 | 6 52 3 | 12°27'15 | 17°57 | 23°19 | 28°14 | 9°46 | 21°49 | 4°58 | 7°20 | 29°28 | 0°25 | 19°33 | 20°52 | 8°30 | 12°20 | S 3 |
| S 4 | 6 56 0 | 13°28'16 | 29°49 | 24°54 | 29°29 | 10°32 | 21°58 | 5° 4 | 7°24 | 29°30 | 0°27 | 19°27 | 20°49 | 8°36 | 12°24 | S 4 |
| M 5 | 6 59 56 | 14°29'16 | 11♊40 | 26°28 | 0♒44 | 11°18 | 22° 7 | 5° 9 | 7°27 | 29°32 | 0°30 | 19°20 | 20°46 | 8°43 | 12°29 | M 5 |
| T 6 | 7 3 53 | 15°30'17 | 23°35 | 28° 2 | 1°59 | 12° 4 | 22°17 | 5°15 | 7°31 | 29°33 | 0°32 | 19°13 | 20°43 | 8°50 | 12°34 | T 6 |
| W 7 | 7 7 49 | 16°31'19 | 5♋34 | 29°36 | 3°14 | 12°50 | 22°27 | 5°20 | 7°35 | 29°35 | 0°34 | 19° 7 | 20°40 | 8°57 | 12°39 | W 7 |
| T 8 | 7 11 46 | 17°32'21 | 17°40 | 1♒10 | 4°30 | 13°36 | 22°36 | 5°26 | 7°38 | 29°37 | 0°36 | 19° 3 | 20°37 | 9° 3 | 12°43 | T 8 |
| F 9 | 7 15 43 | 18°33'23 | 29°54 | 2°43 | 5°45 | 14°22 | 22°46 | 5°31 | 7°42 | 29°39 | 0°39 | 18°59 | 20°33 | 9°10 | 12°48 | F 9 |
| S 10 | 7 19 39 | 19°34'26 | 12♌17 | 4°16 | 7° 0 | 15° 8 | 22°56 | 5°37 | 7°46 | 29°41 | 0°41 | 18°58 | 20°30 | 9°17 | 12°53 | S 10 |
| S 11 | 7 23 36 | 20°35'29 | 24°49 | 5°49 | 8°15 | 15°54 | 23° 6 | 5°43 | 7°49 | 29°42 | 0°43 | 18°D58 | 20°27 | 9°23 | 12°58 | S 11 |
| M12 | 7 27 32 | 21°36'33 | 7♍34 | 7°20 | 9°30 | 16°40 | 23°17 | 5°49 | 7°53 | 29°44 | 0°45 | 18°59 | 20°24 | 9°30 | 13° 3 | M12 |
| T 13 | 7 31 29 | 22°37'37 | 20°33 | 8°51 | 10°45 | 17°26 | 23°27 | 5°55 | 7°56 | 29°46 | 0°47 | 19° 0 | 20°21 | 9°37 | 13° 8 | T 13 |
| W14 | 7 35 25 | 23°38'42 | 3♎47 | 10°21 | 12° 0 | 18°12 | 23°38 | 6° 0 | 8° 0 | 29°48 | 0°49 | 19° 2 | 20°18 | 9°44 | 13°13 | W14 |
| T 15 | 7 39 22 | 24°39'47 | 17°18 | 11°49 | 13°15 | 18°58 | 23°48 | 6° 6 | 8° 3 | 29°50 | 0°52 | 19° 3 | 20°14 | 9°50 | 13°18 | T 15 |
| F 16 | 7 43 19 | 25°40'53 | 1♏ 8 | 13°15 | 14°31 | 19°45 | 23°59 | 6°12 | 8° 7 | 29°52 | 0°54 | 19°R 3 | 20°11 | 9°57 | 13°23 | F 16 |
| S 17 | 7 47 15 | 26°41'59 | 15°17 | 14°40 | 15°46 | 20°31 | 24°10 | 6°19 | 8°10 | 29°54 | 0°56 | 19° 2 | 20° 8 | 10° 4 | 13°28 | S 17 |
| S 18 | 7 51 12 | 27°43'06 | 29°43 | 16° 2 | 17° 1 | 21°17 | 24°21 | 6°25 | 8°14 | 29°56 | 0°58 | 19° 0 | 20° 5 | 10°10 | 13°33 | S 18 |
| M19 | 7 55 8 | 28°44'13 | 14♐22 | 17°22 | 18°16 | 22° 3 | 24°32 | 6°31 | 8°18 | 29°58 | 1° 0 | 18°57 | 20° 2 | 10°17 | 13°38 | M19 |
| T 20 | 7 59 5 | 29°45'21 | 29°10 | 18°38 | 19°31 | 22°49 | 24°43 | 6°37 | 8°21 | 29°59 | 1° 2 | 18°55 | 19°58 | 10°24 | 13°43 | T 20 |
| W21 | 8 3 1 | 0♒46'29 | 13♑59 | 19°50 | 20°46 | 23°35 | 24°54 | 6°43 | 8°24 | 0♓ 2 | 1° 4 | 18°52 | 19°55 | 10°31 | 13°48 | W21 |
| T 22 | 8 6 58 | 1°47'36 | 28°41 | 20°58 | 22° 1 | 24°21 | 25° 5 | 6°50 | 8°28 | 0° 4 | 1° 6 | 18°51 | 19°52 | 10°37 | 13°53 | T 22 |
| F 23 | 8 10 54 | 2°48'44 | 13♒ 9 | 22° 0 | 23°16 | 25° 7 | 25°17 | 6°56 | 8°31 | 0° 6 | 1° 8 | 18°D50 | 19°49 | 10°44 | 13°58 | F 23 |
| S 24 | 8 14 51 | 3°49'52 | 27°18 | 22°56 | 24°31 | 25°53 | 25°28 | 7° 3 | 8°35 | 0° 8 | 1°10 | 18°50 | 19°46 | 10°51 | 14° 3 | S 24 |
| S 25 | 8 18 48 | 4°50'59 | 11♓ 2 | 23°45 | 25°46 | 26°39 | 25°40 | 7° 9 | 8°38 | 0°10 | 1°12 | 18°51 | 19°43 | 10°57 | 14° 8 | S 25 |
| M26 | 8 22 44 | 5°52'06 | 24°23 | 24°27 | 27° 1 | 27°25 | 25°52 | 7°16 | 8°42 | 0°12 | 1°14 | 18°52 | 19°39 | 11° 4 | 14°13 | M26 |
| T 27 | 8 26 41 | 6°53'12 | 7♈19 | 24°59 | 28°16 | 28°11 | 26° 4 | 7°22 | 8°45 | 0°15 | 1°16 | 18°53 | 19°36 | 11°11 | 14°18 | T 27 |
| W28 | 8 30 37 | 7°54'18 | 19°54 | 25°22 | 29°31 | 28°57 | 26°16 | 7°29 | 8°48 | 0°17 | 1°18 | 18°54 | 19°33 | 11°18 | 14°23 | W28 |
| T 29 | 8 34 34 | 8°55'23 | 2♉11 | 25°35 | 0♓46 | 29°43 | 26°28 | 7°35 | 8°51 | 0°19 | 1°20 | 18°54 | 19°30 | 11°24 | 14°28 | T 29 |
| F 30 | 8 38 30 | 9°56'28 | 14°15 | 25°R37 | 2° 1 | 0♈29 | 26°40 | 7°42 | 8°55 | 0°21 | 1°22 | 18°R54 | 19°27 | 11°31 | 14°34 | F 30 |
| S 31 | 8 42 27 | 10♒57'32 | 26♉11 | 25♒27 | 3♓16 | 1♈15 | 26♓52 | 7♓49 | 8♑58 | 0♓23 | 1♑24 | 18♒54 | 19♒24 | 11♊38 | 14♒39 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s54 | 13n36 | 4n40 | 23s55 | 2s 8 | 22s 3 | 1s11 | 9s25 | 1s 3 | 4s23 | 1s 8 | 11s 0 | 1s24 | 23s21 | 0s14 | 11s50 | 0s14 | 13s55 | 9n24 | 14s50 | 14s26 | 26n25 | 10s42 | 6n37 |
| F 2 | 22 49 | 18 12 | 5 2 | 23 43 | 2 10 | 21 50 | 1 13 | 9 7 | 1 2 | 4 20 | 1 8 | 10 58 | 1 24 | 23 20 | 0 14 | 11 49 | 0 14 | 13 55 | 9 24 | 14 51 | 14 27 | 26 26 | 10 41 | 6 37 |
| S 3 | 22 44 | 22 3 | 5 10 | 23 28 | 2 12 | 21 37 | 1 14 | 8 49 | 1 1 | 4 16 | 1 8 | 10 56 | 1 24 | 23 20 | 0 14 | 11 49 | 0 14 | 13 55 | 9 24 | 14 53 | 14 28 | 26 27 | 10 40 | 6 36 |
| S 4 | 22 38 | 24 58 | 5 5 | 23 13 | 2 13 | 21 23 | 1 16 | 8 30 | 1 0 | 4 12 | 1 8 | 10 54 | 1 24 | 23 20 | 0 14 | 11 48 | 0 14 | 13 55 | 9 24 | 14 55 | 14 29 | 26 28 | 10 39 | 6 36 |
| M 5 | 22 32 | 26 49 | 4 47 | 22 56 | 2 13 | 21 9 | 1 17 | 8 12 | 0 59 | 4 8 | 1 7 | 10 52 | 1 24 | 23 20 | 0 14 | 11 48 | 0 14 | 13 55 | 9 24 | 14 57 | 14 30 | 26 28 | 10 38 | 6 36 |
| T 6 | 22 25 | 27 26 | 4 17 | 22 38 | 2 14 | 20 54 | 1 19 | 7 54 | 0 58 | 4 5 | 1 7 | 10 50 | 1 24 | 23 20 | 0 14 | 11 47 | 0 14 | 13 55 | 9 24 | 14 59 | 14 31 | 26 29 | 10 37 | 6 36 |
| W 7 | 22 18 | 26 46 | 3 35 | 22 18 | 2 13 | 20 38 | 1 20 | 7 35 | 0 57 | 4 1 | 1 7 | 10 48 | 1 24 | 23 19 | 0 14 | 11 46 | 0 14 | 13 55 | 9 24 | 15 1 | 14 32 | 26 30 | 10 35 | 6 35 |
| T 8 | 22 10 | 24 50 | 2 43 | 21 57 | 2 13 | 20 21 | 1 22 | 7 17 | 0 56 | 3 57 | 1 7 | 10 46 | 1 24 | 23 19 | 0 14 | 11 46 | 0 14 | 13 55 | 9 24 | 15 2 | 14 33 | 26 31 | 10 34 | 6 35 |
| F 9 | 22 2 | 21 44 | 1 42 | 21 35 | 2 11 | 20 4 | 1 23 | 6 58 | 0 55 | 3 53 | 1 7 | 10 44 | 1 24 | 23 19 | 0 14 | 11 45 | 0 14 | 13 55 | 9 24 | 15 3 | 14 34 | 26 32 | 10 33 | 6 35 |
| S 10 | 21 54 | 17 37 | 0 37 | 21 11 | 2 9 | 19 47 | 1 24 | 6 40 | 0 54 | 3 49 | 1 7 | 10 42 | 1 24 | 23 19 | 0 14 | 11 45 | 0 14 | 13 55 | 9 24 | 15 4 | 14 35 | 26 32 | 10 32 | 6 35 |
| S 11 | 21 45 | 12 40 | 0s32 | 20 46 | 2 7 | 19 29 | 1 25 | 6 21 | 0 53 | 3 44 | 1 6 | 10 40 | 1 24 | 23 19 | 0 14 | 11 44 | 0 14 | 13 55 | 9 24 | 15 4 | 14 36 | 26 33 | 10 31 | 6 34 |
| M12 | 21 35 | 7 8 | 1 40 | 20 20 | 2 4 | 19 10 | 1 27 | 6 2 | 0 52 | 3 40 | 1 6 | 10 38 | 1 24 | 23 18 | 0 14 | 11 43 | 0 14 | 13 55 | 9 24 | 15 3 | 14 37 | 26 34 | 10 30 | 6 34 |
| T 13 | 21 26 | 1 12 | 2 45 | 19 53 | 2 0 | 18 51 | 1 28 | 5 44 | 0 51 | 3 36 | 1 6 | 10 36 | 1 24 | 23 18 | 0 14 | 11 43 | 0 14 | 13 55 | 9 24 | 15 3 | 14 38 | 26 35 | 10 29 | 6 34 |
| W14 | 21 15 | 4s53 | 3 42 | 19 25 | 1 56 | 18 31 | 1 29 | 5 25 | 0 50 | 3 32 | 1 6 | 10 33 | 1 24 | 23 18 | 0 14 | 11 42 | 0 14 | 13 55 | 9 24 | 15 2 | 14 39 | 26 35 | 10 28 | 6 34 |
| T 15 | 21 5 | 10 53 | 4 28 | 18 56 | 1 51 | 18 11 | 1 30 | 5 6 | 0 49 | 3 28 | 1 6 | 10 31 | 1 24 | 23 18 | 0 14 | 11 41 | 0 14 | 13 55 | 9 24 | 15 2 | 14 40 | 26 36 | 10 26 | 6 34 |
| F 16 | 20 54 | 16 29 | 5 0 | 18 26 | 1 45 | 17 50 | 1 30 | 4 47 | 0 48 | 3 23 | 1 6 | 10 29 | 1 23 | 23 18 | 0 14 | 11 41 | 0 14 | 13 55 | 9 24 | 15 2 | 14 41 | 26 37 | 10 25 | 6 34 |
| S 17 | 20 42 | 21 20 | 5 14 | 17 55 | 1 39 | 17 29 | 1 31 | 4 28 | 0 48 | 3 19 | 1 6 | 10 27 | 1 23 | 23 17 | 0 14 | 11 40 | 0 14 | 13 55 | 9 24 | 15 2 | 14 42 | 26 38 | 10 24 | 6 33 |
| S 18 | 20 30 | 25 1 | 5 9 | 17 24 | 1 31 | 17 7 | 1 32 | 4 9 | 0 47 | 3 14 | 1 6 | 10 24 | 1 23 | 23 17 | 0 14 | 11 39 | 0 14 | 13 55 | 9 24 | 15 3 | 14 43 | 26 38 | 10 23 | 6 33 |
| M19 | 20 18 | 27 7 | 4 44 | 16 52 | 1 23 | 16 45 | 1 33 | 3 50 | 0 46 | 3 10 | 1 5 | 10 22 | 1 23 | 23 17 | 0 14 | 11 38 | 0 14 | 13 55 | 9 24 | 15 4 | 14 44 | 26 39 | 10 22 | 6 33 |
| T 20 | 20 6 | 27 19 | 4 1 | 16 20 | 1 14 | 16 22 | 1 33 | 3 31 | 0 45 | 3 5 | 1 5 | 10 20 | 1 23 | 23 17 | 0 14 | 11 38 | 0 14 | 13 55 | 9 24 | 15 5 | 14 45 | 26 40 | 10 20 | 6 33 |
| W21 | 19 53 | 25 35 | 3 1 | 15 48 | 1 3 | 15 59 | 1 34 | 3 12 | 0 44 | 3 1 | 1 5 | 10 17 | 1 23 | 23 17 | 0 14 | 11 37 | 0 14 | 13 55 | 9 24 | 15 5 | 14 46 | 26 40 | 10 19 | 6 33 |
| T 22 | 19 39 | 22 6 | 1 49 | 15 16 | 0 52 | 15 35 | 1 34 | 2 53 | 0 43 | 2 56 | 1 5 | 10 15 | 1 23 | 23 16 | 0 14 | 11 36 | 0 14 | 13 54 | 9 24 | 15 6 | 14 47 | 26 41 | 10 18 | 6 33 |
| F 23 | 19 26 | 17 17 | 0 31 | 14 44 | 0 40 | 15 11 | 1 35 | 2 34 | 0 42 | 2 52 | 1 5 | 10 13 | 1 23 | 23 16 | 0 14 | 11 36 | 0 14 | 13 54 | 9 24 | 15 6 | 14 48 | 26 42 | 10 16 | 6 33 |
| S 24 | 19 12 | 11 37 | 0n47 | 14 13 | 0 27 | 14 47 | 1 35 | 2 15 | 0 41 | 2 47 | 1 5 | 10 10 | 1 23 | 23 16 | 0 14 | 11 35 | 0 14 | 13 54 | 9 24 | 15 6 | 14 49 | 26 42 | 10 15 | 6 32 |
| S 25 | 18 57 | 5 32 | 2 0 | 13 44 | 0 13 | 14 22 | 1 35 | 1 56 | 0 40 | 2 42 | 1 5 | 10 8 | 1 23 | 23 16 | 0 14 | 11 34 | 0 14 | 13 54 | 9 24 | 15 6 | 14 50 | 26 43 | 10 14 | 6 32 |
| M26 | 18 42 | 0n36 | 3 4 | 13 16 | 0n 2 | 13 56 | 1 36 | 1 37 | 0 39 | 2 37 | 1 5 | 10 5 | 1 23 | 23 16 | 0 14 | 11 33 | 0 14 | 13 54 | 9 24 | 15 5 | 14 51 | 26 44 | 10 12 | 6 32 |
| T 27 | 18 27 | 6 31 | 3 57 | 12 50 | 0 19 | 13 31 | 1 36 | 1 18 | 0 38 | 2 33 | 1 4 | 10 3 | 1 23 | 23 15 | 0 14 | 11 33 | 0 14 | 13 54 | 9 24 | 15 5 | 14 52 | 26 44 | 10 11 | 6 32 |
| W28 | 18 12 | 12 1 | 4 37 | 12 26 | 0 35 | 13 5 | 1 36 | 0 59 | 0 37 | 2 28 | 1 4 | 10 0 | 1 23 | 23 15 | 0 14 | 11 32 | 0 14 | 13 54 | 9 24 | 15 5 | 14 53 | 26 45 | 10 10 | 6 32 |
| T 29 | 17 56 | 16 55 | 5 3 | 12 6 | 0 53 | 12 38 | 1 36 | 0 40 | 0 36 | 2 23 | 1 4 | 9 58 | 1 23 | 23 15 | 0 14 | 11 31 | 0 14 | 13 54 | 9 25 | 15 5 | 14 54 | 26 46 | 10 8 | 6 32 |
| F 30 | 17 40 | 21 3 | 5 16 | 11 48 | 1 11 | 12 12 | 1 36 | 0 21 | 0 35 | 2 18 | 1 4 | 9 56 | 1 23 | 23 15 | 0 14 | 11 30 | 0 14 | 13 54 | 9 25 | 15 5 | 14 55 | 26 46 | 10 7 | 6 32 |
| S 31 | 17s23 | 24n17 | 5n14 | 11s34 | 1n29 | 11s45 | 1s36 | 0s 2 | 0s34 | 2s13 | 1s 4 | 9s53 | 1s23 | 23s15 | 0s14 | 11s30 | 0s14 | 13s54 | 9n25 | 15s 5 | 14s56 | 26n47 | 10s 6 | 6n32 |

Julian Day Number = 2814961.5, Delta T = 54m19s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'09, Lahiri = 37°47'09


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# ASTRODIENST EPHEMERIS for the year 2995
# geocentric

## FEBRUARY 2995 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 46 23 | 11♒58'36 | 8♊ 3 | 25°R 5 | 4♓30 | 2♈ 0 | 27♓ 4 | 7♓55 | 9♑ 1 | 0♓25 | 1♑26 | 18°R53 | 19♒20 | 11♊44 | 14♒44 | S 1 |
| M 2 | 8 50 20 | 12°59'39 | 19°55 | 24♒31 | 5°45 | 2°46 | 27°17 | 8° 2 | 9° 4 | 0°27 | 1°28 | 18♒53 | 19°17 | 11°51 | 14°49 | M 2 |
| T 3 | 8 54 17 | 14° 0'41 | 1♋51 | 23°47 | 7° 0 | 3°32 | 27°29 | 8° 9 | 9° 8 | 0°30 | 1°30 | 18°52 | 19°14 | 11°58 | 14°54 | T 3 |
| W 4 | 8 58 13 | 15° 1'43 | 13°55 | 22°52 | 8°15 | 4°18 | 27°41 | 8°16 | 9°11 | 0°32 | 1°31 | 18°51 | 19°11 | 12° 5 | 14°59 | W 4 |
| T 5 | 9 2 10 | 16° 2'44 | 26°10 | 21°49 | 9°30 | 5° 4 | 27°54 | 8°23 | 9°14 | 0°34 | 1°33 | 18°51 | 19° 8 | 12°11 | 15° 4 | T 5 |
| F 6 | 9 6 6 | 17° 3'44 | 8♌37 | 20°39 | 10°44 | 5°50 | 28° 7 | 8°30 | 9°17 | 0°36 | 1°35 | 18°51 | 19° 4 | 12°18 | 15° 9 | F 6 |
| S 7 | 9 10 3 | 18° 4'44 | 21°17 | 19°25 | 11°59 | 6°35 | 28°19 | 8°37 | 9°20 | 0°39 | 1°37 | 18°D51 | 19° 1 | 12°25 | 15°15 | S 7 |
| S 8 | 9 13 59 | 19° 5'43 | 4♍11 | 18° 8 | 13°14 | 7°21 | 28°32 | 8°43 | 9°23 | 0°41 | 1°38 | 18°R51 | 18°58 | 12°31 | 15°20 | S 8 |
| M 9 | 9 17 56 | 20° 6'41 | 17°19 | 16°51 | 14°28 | 8° 7 | 28°45 | 8°50 | 9°26 | 0°43 | 1°40 | 18°51 | 18°55 | 12°38 | 15°25 | M 9 |
| T 10 | 9 21 52 | 21° 7'39 | 0♎40 | 15°37 | 15°43 | 8°53 | 28°58 | 8°57 | 9°29 | 0°45 | 1°42 | 18°50 | 18°52 | 12°45 | 15°30 | T 10 |
| W11 | 9 25 49 | 22° 8'36 | 14°14 | 14°27 | 16°58 | 9°38 | 29°11 | 9° 4 | 9°32 | 0°48 | 1°43 | 18°50 | 18°49 | 12°52 | 15°35 | W11 |
| T 12 | 9 29 46 | 23° 9'33 | 27°59 | 13°22 | 18°12 | 10°24 | 29°24 | 9°11 | 9°35 | 0°50 | 1°45 | 18°50 | 18°45 | 12°58 | 15°40 | T 12 |
| F 13 | 9 33 42 | 24°10'29 | 11♏55 | 12°25 | 19°27 | 11°10 | 29°37 | 9°19 | 9°38 | 0°52 | 1°47 | 18°49 | 18°42 | 13° 5 | 15°45 | F 13 |
| S 14 | 9 37 39 | 25°11'25 | 25°59 | 11°36 | 20°41 | 11°55 | 29°51 | 9°26 | 9°41 | 0°54 | 1°48 | 18°D49 | 18°39 | 13°12 | 15°50 | S 14 |
| S 15 | 9 41 35 | 26°12'20 | 10♐12 | 10°55 | 21°56 | 12°41 | 0♈ 4 | 9°33 | 9°43 | 0°57 | 1°50 | 18°49 | 18°36 | 13°18 | 15°55 | S 15 |
| M16 | 9 45 32 | 27°13'14 | 24°29 | 10°24 | 23°10 | 13°26 | 0°17 | 9°40 | 9°46 | 0°59 | 1°51 | 18°50 | 18°33 | 13°25 | 16° 0 | M16 |
| T 17 | 9 49 28 | 28°14'08 | 8♑49 | 10° 0 | 24°25 | 14°12 | 0°31 | 9°47 | 9°49 | 1° 1 | 1°53 | 18°51 | 18°30 | 13°32 | 16° 5 | T 17 |
| W18 | 9 53 25 | 29°15'02 | 23° 8 | 9°46 | 25°39 | 14°57 | 0°44 | 9°54 | 9°52 | 1° 3 | 1°54 | 18°52 | 18°26 | 13°39 | 16°11 | W18 |
| T 19 | 9 57 21 | 0♓15'54 | 7♒22 | 9°D39 | 26°53 | 15°43 | 0°58 | 10° 1 | 9°54 | 1° 6 | 1°56 | 18°52 | 18°23 | 13°45 | 16°16 | T 19 |
| F 20 | 10 1 18 | 1°16'45 | 21°26 | 9°41 | 28° 8 | 16°28 | 1°11 | 10° 8 | 9°57 | 1° 8 | 1°57 | 18°R52 | 18°20 | 13°52 | 16°21 | F 20 |
| S 21 | 10 5 15 | 2°17'36 | 5♓17 | 9°49 | 29°22 | 17°14 | 1°25 | 10°16 | 10° 0 | 1°10 | 1°58 | 18°52 | 18°17 | 13°59 | 16°26 | S 21 |
| S 22 | 10 9 11 | 3°18'25 | 18°51 | 10° 4 | 0♈36 | 17°59 | 1°38 | 10°23 | 10° 2 | 1°13 | 2° 0 | 18°51 | 18°14 | 14° 5 | 16°30 | S 22 |
| M23 | 10 13 8 | 4°19'13 | 2♈ 7 | 10°26 | 1°51 | 18°44 | 1°52 | 10°30 | 10° 5 | 1°15 | 2° 1 | 18°49 | 18°10 | 14°12 | 16°35 | M23 |
| T 24 | 10 17 4 | 5°20'00 | 15° 2 | 10°53 | 3° 5 | 19°30 | 2° 6 | 10°37 | 10° 7 | 1°17 | 2° 2 | 18°46 | 18° 7 | 14°19 | 16°40 | T 24 |
| W25 | 10 21 1 | 6°20'45 | 27°39 | 11°25 | 4°19 | 20°15 | 2°20 | 10°45 | 10°10 | 1°19 | 2° 4 | 18°44 | 18° 4 | 14°25 | 16°45 | W25 |
| T 26 | 10 24 57 | 7°21'29 | 9♉59 | 12° 3 | 5°33 | 21° 0 | 2°34 | 10°52 | 10°12 | 1°22 | 2° 5 | 18°41 | 18° 1 | 14°32 | 16°50 | T 26 |
| F 27 | 10 28 54 | 8°22'11 | 22° 6 | 12°45 | 6°47 | 21°46 | 2°48 | 10°59 | 10°14 | 1°24 | 2° 6 | 18°39 | 17°58 | 14°39 | 16°55 | F 27 |
| S 28 | 10 32 50 | 9♓22'52 | 4♊ 3 | 13♒30 | 8♈ 1 | 22♈31 | 3♈ 1 | 11♓ 6 | 10♑17 | 1♓26 | 2♑ 7 | 18°D38 | 17♒55 | 14♊46 | 17♒ 0 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17s 7 | 26n27 | 4n59 | 11s24 | 1n48 | 11s17 | 1s36 | 0n17 | 0s33 | 2s 8 | 1s 4 | 9s51 | 1s23 | 23s14 | 0s14 | 11s29 | 0s14 | 13s53 | 9n25 | 15s 5 | 14s57 | 26n47 | 10s 4 | 6n32 |
| M 2 | 16 50 | 27 27 | 4 32 | 11 18 | 2 6 | 10 50 | 1 35 | 0 36 | 0 32 | 2 3 | 1 4 | 9 48 | 1 23 | 23 14 | 0 14 | 11 28 | 0 14 | 13 53 | 9 25 | 15 5 | 14 58 | 26 48 | 10 3 | 6 32 |
| T 3 | 16 32 | 27 10 | 3 52 | 11 17 | 2 23 | 10 22 | 1 35 | 0 55 | 0 31 | 1 58 | 1 4 | 9 45 | 1 23 | 23 14 | 0 14 | 11 27 | 0 14 | 13 53 | 9 25 | 15 5 | 14 59 | 26 49 | 10 2 | 6 32 |
| W 4 | 16 15 | 25 36 | 3 2 | 11 19 | 2 39 | 9 54 | 1 34 | 1 14 | 0 30 | 1 53 | 1 4 | 9 43 | 1 23 | 23 14 | 0 14 | 11 27 | 0 14 | 13 53 | 9 25 | 15 6 | 15 0 | 26 49 | 10 0 | 6 32 |
| T 5 | 15 57 | 22 49 | 2 3 | 11 25 | 2 53 | 9 25 | 1 34 | 1 33 | 0 30 | 1 48 | 1 4 | 9 40 | 1 23 | 23 14 | 0 14 | 11 26 | 0 14 | 13 53 | 9 25 | 15 6 | 15 1 | 26 50 | 9 59 | 6 32 |
| F 6 | 15 38 | 18 55 | 0 56 | 11 35 | 3 6 | 8 57 | 1 33 | 1 52 | 0 29 | 1 43 | 1 3 | 9 38 | 1 23 | 23 13 | 0 14 | 11 25 | 0 14 | 13 53 | 9 25 | 15 6 | 15 2 | 26 50 | 9 57 | 6 32 |
| S 7 | 15 20 | 14 7 | 0s14 | 11 48 | 3 16 | 8 28 | 1 33 | 2 11 | 0 28 | 1 38 | 1 3 | 9 35 | 1 23 | 23 13 | 0 14 | 11 24 | 0 14 | 13 53 | 9 26 | 15 6 | 15 2 | 26 51 | 9 56 | 6 32 |
| S 8 | 15 1 | 8 37 | 1 24 | 12 4 | 3 24 | 7 58 | 1 32 | 2 30 | 0 27 | 1 33 | 1 3 | 9 33 | 1 23 | 23 13 | 0 14 | 11 24 | 0 14 | 13 52 | 9 26 | 15 6 | 15 3 | 26 51 | 9 54 | 6 32 |
| M 9 | 14 42 | 2 39 | 2 31 | 12 22 | 3 30 | 7 29 | 1 31 | 2 48 | 0 26 | 1 28 | 1 3 | 9 30 | 1 23 | 23 13 | 0 14 | 11 23 | 0 14 | 13 52 | 9 26 | 15 6 | 15 4 | 26 52 | 9 53 | 6 32 |
| T 10 | 14 23 | 3s30 | 3 32 | 12 41 | 3 33 | 7 0 | 1 30 | 3 7 | 0 25 | 1 22 | 1 3 | 9 27 | 1 23 | 23 13 | 0 14 | 11 22 | 0 14 | 13 52 | 9 26 | 15 6 | 15 5 | 26 52 | 9 51 | 6 32 |
| W11 | 14 3 | 9 36 | 4 21 | 13 0 | 3 33 | 6 30 | 1 29 | 3 26 | 0 24 | 1 17 | 1 3 | 9 25 | 1 23 | 23 12 | 0 14 | 11 21 | 0 14 | 13 52 | 9 26 | 15 6 | 15 6 | 26 53 | 9 50 | 6 32 |
| T 12 | 13 44 | 15 19 | 4 56 | 13 20 | 3 31 | 6 0 | 1 28 | 3 44 | 0 23 | 1 12 | 1 3 | 9 22 | 1 23 | 23 12 | 0 14 | 11 20 | 0 14 | 13 52 | 9 26 | 15 6 | 15 7 | 26 53 | 9 48 | 6 32 |
| F 13 | 13 24 | 20 19 | 5 15 | 13 40 | 3 27 | 5 30 | 1 27 | 4 3 | 0 22 | 1 7 | 1 3 | 9 20 | 1 23 | 23 12 | 0 14 | 11 20 | 0 14 | 13 52 | 9 26 | 15 6 | 15 8 | 26 54 | 9 47 | 6 32 |
| S 14 | 13 3 | 24 14 | 5 15 | 13 59 | 3 22 | 5 0 | 1 26 | 4 22 | 0 21 | 1 1 | 1 3 | 9 17 | 1 23 | 23 12 | 0 14 | 11 19 | 0 14 | 13 51 | 9 27 | 15 6 | 15 9 | 26 54 | 9 46 | 6 32 |
| S 15 | 12 43 | 26 44 | 4 55 | 14 17 | 3 14 | 4 29 | 1 25 | 4 40 | 0 21 | 0 56 | 1 3 | 9 14 | 1 23 | 23 12 | 0 14 | 11 18 | 0 14 | 13 51 | 9 27 | 15 6 | 15 10 | 26 55 | 9 44 | 6 32 |
| M16 | 12 22 | 27 29 | 4 18 | 14 34 | 3 6 | 3 59 | 1 24 | 4 59 | 0 20 | 0 51 | 1 3 | 9 12 | 1 23 | 23 12 | 0 14 | 11 17 | 0 14 | 13 51 | 9 27 | 15 6 | 15 11 | 26 55 | 9 43 | 6 32 |
| T 17 | 12 1 | 26 25 | 3 24 | 14 49 | 2 56 | 3 28 | 1 22 | 5 17 | 0 19 | 0 45 | 1 3 | 9 9 | 1 24 | 23 11 | 0 14 | 11 16 | 0 14 | 13 51 | 9 27 | 15 6 | 15 12 | 26 56 | 9 41 | 6 32 |
| W18 | 11 40 | 23 36 | 2 18 | 15 3 | 2 45 | 2 57 | 1 21 | 5 35 | 0 18 | 0 40 | 1 2 | 9 6 | 1 24 | 23 11 | 0 14 | 11 16 | 0 14 | 13 51 | 9 27 | 15 5 | 15 13 | 26 56 | 9 40 | 6 32 |
| T 19 | 11 19 | 19 21 | 1 3 | 15 15 | 2 34 | 2 27 | 1 19 | 5 53 | 0 17 | 0 35 | 1 2 | 9 4 | 1 24 | 23 11 | 0 14 | 11 15 | 0 14 | 13 50 | 9 27 | 15 5 | 15 14 | 26 57 | 9 38 | 6 32 |
| F 20 | 10 58 | 14 3 | 0n14 | 15 26 | 2 23 | 1 56 | 1 18 | 6 12 | 0 16 | 0 29 | 1 2 | 9 1 | 1 24 | 23 11 | 0 14 | 11 14 | 0 14 | 13 50 | 9 28 | 15 5 | 15 15 | 26 57 | 9 36 | 6 32 |
| S 21 | 10 36 | 8 8 | 1 30 | 15 35 | 2 11 | 1 25 | 1 16 | 6 30 | 0 15 | 0 24 | 1 2 | 8 58 | 1 24 | 23 11 | 0 14 | 11 13 | 0 14 | 13 50 | 9 28 | 15 5 | 15 16 | 26 58 | 9 35 | 6 32 |
| S 22 | 10 14 | 1 57 | 2 38 | 15 43 | 1 59 | 0 54 | 1 14 | 6 48 | 0 14 | 0 18 | 1 2 | 8 56 | 1 24 | 23 10 | 0 14 | 11 12 | 0 14 | 13 50 | 9 28 | 15 6 | 15 17 | 26 58 | 9 33 | 6 32 |
| M23 | 9 52 | 4n 9 | 3 37 | 15 49 | 1 47 | 0 23 | 1 13 | 7 6 | 0 14 | 0 13 | 1 2 | 8 53 | 1 24 | 23 10 | 0 14 | 11 12 | 0 14 | 13 50 | 9 28 | 15 6 | 15 18 | 26 59 | 9 32 | 6 32 |
| T 24 | 9 30 | 9 56 | 4 23 | 15 53 | 1 35 | 0n 8 | 1 11 | 7 24 | 0 13 | 0 7 | 1 2 | 8 50 | 1 24 | 23 10 | 0 14 | 11 11 | 0 14 | 13 49 | 9 28 | 15 7 | 15 19 | 26 59 | 9 30 | 6 32 |
| W25 | 9 8 | 15 10 | 4 54 | 15 56 | 1 23 | 0 39 | 1 9 | 7 41 | 0 12 | 0 2 | 1 2 | 8 48 | 1 24 | 23 10 | 0 14 | 11 10 | 0 14 | 13 49 | 9 29 | 15 8 | 15 20 | 26 59 | 9 29 | 6 33 |
| T 26 | 8 46 | 19 39 | 5 12 | 15 57 | 1 11 | 1 10 | 1 7 | 7 59 | 0 11 | 0n 4 | 1 2 | 8 45 | 1 24 | 23 10 | 0 14 | 11 9 | 0 14 | 13 49 | 9 29 | 15 9 | 15 21 | 27 0 | 9 27 | 6 33 |
| F 27 | 8 23 | 23 16 | 5 15 | 15 57 | 0 59 | 1 41 | 1 5 | 8 17 | 0 10 | 0 9 | 1 2 | 8 42 | 1 24 | 23 10 | 0 14 | 11 9 | 0 14 | 13 49 | 9 29 | 15 9 | 15 22 | 27 0 | 9 26 | 6 33 |
| S 28 | 8s 1 | 25n49 | 5n 4 | 15s55 | 0n48 | 2n12 | 1s 3 | 8n34 | 0s 9 | 0n15 | 1s 2 | 8s40 | 1s24 | 23s 9 | 0s14 | 11s 8 | 0s14 | 13s49 | 9n29 | 15s10 | 15s23 | 27n 1 | 9s24 | 6n33 |

Julian Day Number = 2814992.5, Delta T = 54m20s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'13, Lahiri = 37°47'14


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# ASTRODIENST EPHEMERIS for the year 2995
# geocentric

## MARCH 2995 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 36 47 | 10♓23'32 | 15♊55 | 14♒20 | 9♈15 | 23♈16 | 3♈15 | 11♓13 | 10♑19 | 1♓29 | 2♑ 8 | 18♒38 | 17♒51 | 14♊52 | 17♒ 5 | S 1 |
| M 2 | 10 40 44 | 11°24'09 | 27°47 | 15°13 | 10°29 | 24° 1 | 3°29 | 11°21 | 10°21 | 1°31 | 2° 9 | 18°39 | 17°48 | 14°59 | 17° 9 | M 2 |
| T 3 | 10 44 40 | 12°24'46 | 9♋44 | 16° 9 | 11°43 | 24°46 | 3°44 | 11°28 | 10°23 | 1°33 | 2°11 | 18°41 | 17°45 | 15° 6 | 17°14 | T 3 |
| W 4 | 10 48 37 | 13°25'20 | 21°50 | 17° 8 | 12°57 | 25°31 | 3°58 | 11°35 | 10°25 | 1°35 | 2°12 | 18°43 | 17°42 | 15°12 | 17°19 | W 4 |
| T 5 | 10 52 33 | 14°25'53 | 4♌ 9 | 18°10 | 14°10 | 26°16 | 4°12 | 11°42 | 10°28 | 1°37 | 2°13 | 18°44 | 17°39 | 15°19 | 17°24 | T 5 |
| F 6 | 10 56 30 | 15°26'24 | 16°46 | 19°14 | 15°24 | 27° 1 | 4°26 | 11°50 | 10°30 | 1°40 | 2°14 | 18°R45 | 17°36 | 15°26 | 17°28 | F 6 |
| S 7 | 11 0 26 | 16°26'54 | 29°41 | 20°20 | 16°38 | 27°46 | 4°40 | 11°57 | 10°32 | 1°42 | 2°15 | 18°44 | 17°32 | 15°33 | 17°33 | S 7 |
| S 8 | 11 4 23 | 17°27'22 | 12♍55 | 21°29 | 17°51 | 28°31 | 4°54 | 12° 4 | 10°34 | 1°44 | 2°15 | 18°43 | 17°29 | 15°39 | 17°38 | S 8 |
| M 9 | 11 8 19 | 18°27'49 | 26°28 | 22°39 | 19° 5 | 29°16 | 5° 9 | 12°11 | 10°35 | 1°46 | 2°16 | 18°39 | 17°26 | 15°46 | 17°42 | M 9 |
| T 10 | 11 12 16 | 19°28'14 | 10♎18 | 23°52 | 20°18 | 0♉ 1 | 5°23 | 12°19 | 10°37 | 1°49 | 2°17 | 18°35 | 17°23 | 15°53 | 17°47 | T 10 |
| W11 | 11 16 13 | 20°28'37 | 24°20 | 25° 6 | 21°32 | 0°45 | 5°37 | 12°26 | 10°39 | 1°51 | 2°18 | 18°30 | 17°20 | 15°59 | 17°51 | W11 |
| T 12 | 11 20 9 | 21°28'59 | 8♏31 | 26°22 | 22°45 | 1°30 | 5°52 | 12°33 | 10°41 | 1°53 | 2°19 | 18°25 | 17°16 | 16° 6 | 17°56 | T 12 |
| F 13 | 11 24 6 | 22°29'20 | 22°46 | 27°40 | 23°58 | 2°15 | 6° 6 | 12°40 | 10°43 | 1°55 | 2°20 | 18°21 | 17°13 | 16°13 | 18° 0 | F 13 |
| S 14 | 11 28 2 | 23°29'40 | 7♐ 1 | 28°59 | 25°12 | 3° 0 | 6°20 | 12°47 | 10°44 | 1°57 | 2°20 | 18°18 | 17°10 | 16°19 | 18° 5 | S 14 |
| S 15 | 11 31 59 | 24°29'58 | 21°14 | 0♓19 | 26°25 | 3°44 | 6°35 | 12°54 | 10°46 | 1°59 | 2°21 | 18°D17 | 17° 7 | 16°26 | 18° 9 | S 15 |
| M16 | 11 35 55 | 25°30'15 | 5♑21 | 1°41 | 27°38 | 4°29 | 6°49 | 13° 2 | 10°48 | 2° 2 | 2°22 | 18°17 | 17° 4 | 16°33 | 18°13 | M16 |
| T 17 | 11 39 52 | 26°30'31 | 19°23 | 3° 5 | 28°51 | 5°13 | 7° 4 | 13° 9 | 10°49 | 2° 4 | 2°22 | 18°18 | 17° 1 | 16°40 | 18°18 | T 17 |
| W18 | 11 43 48 | 27°30'45 | 3♒16 | 4°29 | 0♉ 4 | 5°58 | 7°18 | 13°16 | 10°51 | 2° 6 | 2°23 | 18°20 | 16°57 | 16°46 | 18°22 | W18 |
| T 19 | 11 47 45 | 28°30'57 | 17° 2 | 5°55 | 1°17 | 6°42 | 7°33 | 13°23 | 10°52 | 2° 8 | 2°24 | 18°R21 | 16°54 | 16°53 | 18°26 | T 19 |
| F 20 | 11 51 42 | 29°31'09 | 0♓38 | 7°23 | 2°30 | 7°27 | 7°47 | 13°30 | 10°53 | 2°10 | 2°24 | 18°20 | 16°51 | 17° 0 | 18°30 | F 20 |
| S 21 | 11 55 38 | 0♈31'18 | 14° 4 | 8°51 | 3°43 | 8°11 | 8° 2 | 13°37 | 10°55 | 2°12 | 2°25 | 18°17 | 16°48 | 17° 6 | 18°34 | S 21 |
| S 22 | 11 59 35 | 1°31'26 | 27°17 | 10°21 | 4°56 | 8°55 | 8°16 | 13°44 | 10°56 | 2°14 | 2°25 | 18°12 | 16°45 | 17°13 | 18°39 | S 22 |
| M23 | 12 3 31 | 2°31'31 | 10♈17 | 11°51 | 6° 8 | 9°40 | 8°31 | 13°51 | 10°57 | 2°16 | 2°25 | 18° 5 | 16°41 | 17°20 | 18°43 | M23 |
| T 24 | 12 7 28 | 3°31'36 | 23° 3 | 13°23 | 7°21 | 10°24 | 8°45 | 13°58 | 10°58 | 2°18 | 2°26 | 17°57 | 16°38 | 17°27 | 18°47 | T 24 |
| W25 | 12 11 24 | 4°31'38 | 5♉34 | 14°56 | 8°34 | 11° 8 | 9° 0 | 14° 5 | 11° 0 | 2°20 | 2°26 | 17°48 | 16°35 | 17°33 | 18°51 | W25 |
| T 26 | 12 15 21 | 5°31'38 | 17°51 | 16°31 | 9°46 | 11°52 | 9°14 | 14°12 | 11° 1 | 2°22 | 2°26 | 17°40 | 16°32 | 17°40 | 18°54 | T 26 |
| F 27 | 12 19 17 | 6°31'36 | 29°56 | 18° 6 | 10°58 | 12°36 | 9°29 | 14°19 | 11° 2 | 2°24 | 2°27 | 17°33 | 16°29 | 17°47 | 18°58 | F 27 |
| S 28 | 12 23 14 | 7°31'33 | 11♊53 | 19°43 | 12°11 | 13°21 | 9°43 | 14°26 | 11° 3 | 2°26 | 2°27 | 17°27 | 16°26 | 17°53 | 19° 2 | S 28 |
| S 29 | 12 27 10 | 8°31'27 | 23°44 | 21°21 | 13°23 | 14° 5 | 9°58 | 14°33 | 11° 4 | 2°28 | 2°27 | 17°24 | 16°22 | 18° 0 | 19° 6 | S 29 |
| M30 | 12 31 7 | 9°31'19 | 5♋35 | 22°59 | 14°35 | 14°49 | 10°12 | 14°39 | 11° 4 | 2°30 | 2°27 | 17°D22 | 16°19 | 18° 7 | 19°10 | M30 |
| T 31 | 12 35 4 | 10♈31'09 | 17♋30 | 24♓40 | 15♉47 | 15♉33 | 10♈27 | 14♓46 | 11♑ 5 | 2♓32 | 2♑28 | 17♒22 | 16♒16 | 18♊13 | 19♒13 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 7s38 | 27n13 | 4n40 | 15s51 | 0n37 | 2n43 | 1s 1 | 8n52 | 0s 8 | 0n20 | 1s 2 | 8s37 | 1s24 | 23s 9 | 0s15 | 11s 7 | 0s14 | 13s48 | 9n29 | 15s10 | 15s24 | 27n 1 | 9s23 | 6n33 |
| M 2 | 7 15 | 27 22 | 4 5 | 15 46 | 0 26 | 3 14 | 0 58 | 9 9 | 0 8 | 0 26 | 1 2 | 8 34 | 1 24 | 23 9 | 0 15 | 11 6 | 0 14 | 13 48 | 9 30 | 15 9 | 15 25 | 27 1 | 9 21 | 6 33 |
| T 3 | 6 52 | 26 15 | 3 18 | 15 40 | 0 15 | 3 45 | 0 56 | 9 26 | 0 7 | 0 32 | 1 2 | 8 31 | 1 24 | 23 9 | 0 15 | 11 5 | 0 14 | 13 48 | 9 30 | 15 9 | 15 26 | 27 2 | 9 20 | 6 33 |
| W 4 | 6 29 | 23 54 | 2 23 | 15 32 | 0 5 | 4 16 | 0 54 | 9 43 | 0 6 | 0 37 | 1 2 | 8 29 | 1 24 | 23 9 | 0 15 | 11 5 | 0 14 | 13 48 | 9 30 | 15 8 | 15 27 | 27 2 | 9 18 | 6 34 |
| T 5 | 6 6 | 20 24 | 1 19 | 15 23 | 0s 5 | 4 46 | 0 51 | 10 0 | 0 5 | 0 43 | 1 2 | 8 26 | 1 24 | 23 9 | 0 15 | 11 4 | 0 14 | 13 48 | 9 30 | 15 8 | 15 28 | 27 2 | 9 17 | 6 34 |
| F 6 | 5 43 | 15 54 | 0 11 | 15 13 | 0 15 | 5 17 | 0 49 | 10 17 | 0 4 | 0 48 | 1 2 | 8 23 | 1 24 | 23 9 | 0 15 | 11 3 | 0 14 | 13 47 | 9 30 | 15 8 | 15 29 | 27 3 | 9 15 | 6 34 |
| S 7 | 5 19 | 10 36 | 1s 0 | 15 1 | 0 24 | 5 47 | 0 46 | 10 34 | 0 4 | 0 54 | 1 2 | 8 21 | 1 24 | 23 8 | 0 15 | 11 2 | 0 14 | 13 47 | 9 31 | 15 8 | 15 30 | 27 3 | 9 13 | 6 34 |
| S 8 | 4 56 | 4 42 | 2 9 | 14 47 | 0 33 | 6 18 | 0 44 | 10 51 | 0 3 | 1 0 | 1 2 | 8 18 | 1 24 | 23 8 | 0 15 | 11 1 | 0 14 | 13 47 | 9 31 | 15 8 | 15 31 | 27 3 | 9 12 | 6 34 |
| M 9 | 4 32 | 1s33 | 3 12 | 14 33 | 0 42 | 6 48 | 0 41 | 11 7 | 0 2 | 1 5 | 1 2 | 8 15 | 1 24 | 23 8 | 0 15 | 11 1 | 0 14 | 13 47 | 9 31 | 15 9 | 15 32 | 27 4 | 9 10 | 6 35 |
| T 10 | 4 9 | 7 49 | 4 5 | 14 17 | 0 50 | 7 18 | 0 38 | 11 24 | 0 1 | 1 11 | 1 2 | 8 13 | 1 25 | 23 8 | 0 15 | 11 0 | 0 14 | 13 46 | 9 31 | 15 11 | 15 33 | 27 4 | 9 9 | 6 35 |
| W11 | 3 45 | 13 48 | 4 44 | 14 0 | 0 58 | 7 48 | 0 36 | 11 40 | 0 0 | 1 17 | 1 2 | 8 10 | 1 25 | 23 8 | 0 15 | 10 59 | 0 14 | 13 46 | 9 31 | 15 12 | 15 34 | 27 4 | 9 7 | 6 35 |
| T 12 | 3 22 | 19 6 | 5 7 | 13 41 | 1 5 | 8 18 | 0 33 | 11 56 | 0n 0 | 1 22 | 1 2 | 8 7 | 1 25 | 23 8 | 0 15 | 10 58 | 0 14 | 13 46 | 9 32 | 15 14 | 15 35 | 27 5 | 9 6 | 6 35 |
| F 13 | 2 58 | 23 22 | 5 11 | 13 22 | 1 13 | 8 47 | 0 30 | 12 13 | 0 1 | 1 28 | 1 1 | 8 5 | 1 25 | 23 8 | 0 15 | 10 58 | 0 14 | 13 46 | 9 32 | 15 15 | 15 35 | 27 5 | 9 4 | 6 35 |
| S 14 | 2 34 | 26 13 | 4 55 | 13 1 | 1 20 | 9 16 | 0 27 | 12 29 | 0 2 | 1 34 | 1 1 | 8 2 | 1 25 | 23 8 | 0 15 | 10 57 | 0 14 | 13 45 | 9 32 | 15 16 | 15 36 | 27 5 | 9 3 | 6 36 |
| S 15 | 2 10 | 27 23 | 4 22 | 12 39 | 1 26 | 9 46 | 0 24 | 12 44 | 0 3 | 1 39 | 1 1 | 7 59 | 1 25 | 23 7 | 0 15 | 10 56 | 0 14 | 13 45 | 9 32 | 15 16 | 15 37 | 27 5 | 9 1 | 6 36 |
| M16 | 1 47 | 26 45 | 3 33 | 12 15 | 1 32 | 10 15 | 0 21 | 13 0 | 0 4 | 1 45 | 1 1 | 7 57 | 1 25 | 23 7 | 0 15 | 10 55 | 0 14 | 13 45 | 9 33 | 15 16 | 15 38 | 27 6 | 9 0 | 6 36 |
| T 17 | 1 23 | 24 25 | 2 31 | 11 51 | 1 38 | 10 43 | 0 18 | 13 16 | 0 4 | 1 51 | 1 1 | 7 54 | 1 25 | 23 7 | 0 15 | 10 55 | 0 14 | 13 45 | 9 33 | 15 16 | 15 39 | 27 6 | 8 58 | 6 36 |
| W18 | 0 59 | 20 38 | 1 21 | 11 25 | 1 43 | 11 12 | 0 15 | 13 31 | 0 5 | 1 56 | 1 1 | 7 51 | 1 25 | 23 7 | 0 15 | 10 54 | 0 14 | 13 45 | 9 33 | 15 15 | 15 40 | 27 6 | 8 57 | 6 37 |
| T 19 | 0 35 | 15 46 | 0 7 | 10 58 | 1 48 | 11 40 | 0 12 | 13 46 | 0 6 | 2 2 | 1 1 | 7 49 | 1 25 | 23 7 | 0 15 | 10 53 | 0 14 | 13 44 | 9 33 | 15 15 | 15 41 | 27 6 | 8 55 | 6 37 |
| F 20 | 0 11 | 10 9 | 1n 6 | 10 30 | 1 53 | 12 8 | 0 9 | 14 2 | 0 7 | 2 8 | 1 1 | 7 46 | 1 25 | 23 7 | 0 15 | 10 52 | 0 14 | 13 44 | 9 33 | 15 15 | 15 42 | 27 7 | 8 54 | 6 37 |
| S 21 | 0n12 | 4 10 | 2 15 | 10 1 | 1 57 | 12 36 | 0 6 | 14 17 | 0 7 | 2 14 | 1 1 | 7 44 | 1 25 | 23 7 | 0 15 | 10 52 | 0 14 | 13 44 | 9 34 | 15 16 | 15 43 | 27 7 | 8 52 | 6 37 |
| S 22 | 0 36 | 1n54 | 3 15 | 9 31 | 2 1 | 13 3 | 0 3 | 14 31 | 0 8 | 2 19 | 1 1 | 7 41 | 1 26 | 23 7 | 0 15 | 10 51 | 0 14 | 13 44 | 9 34 | 15 18 | 15 44 | 27 7 | 8 51 | 6 38 |
| M23 | 1 0 | 7 47 | 4 4 | 9 0 | 2 5 | 13 30 | 0n 0 | 14 46 | 0 9 | 2 25 | 1 1 | 7 38 | 1 26 | 23 7 | 0 15 | 10 50 | 0 15 | 13 43 | 9 34 | 15 20 | 15 45 | 27 7 | 8 49 | 6 38 |
| T 24 | 1 24 | 13 14 | 4 39 | 8 28 | 2 8 | 13 57 | 0 3 | 15 1 | 0 10 | 2 31 | 1 1 | 7 36 | 1 26 | 23 7 | 0 15 | 10 50 | 0 15 | 13 43 | 9 34 | 15 22 | 15 46 | 27 8 | 8 48 | 6 38 |
| W25 | 1 47 | 18 1 | 5 0 | 7 54 | 2 10 | 14 23 | 0 7 | 15 15 | 0 10 | 2 36 | 1 1 | 7 33 | 1 26 | 23 7 | 0 15 | 10 49 | 0 15 | 13 43 | 9 35 | 15 25 | 15 47 | 27 8 | 8 46 | 6 39 |
| T 26 | 2 11 | 21 58 | 5 7 | 7 20 | 2 12 | 14 49 | 0 10 | 15 29 | 0 11 | 2 42 | 1 1 | 7 31 | 1 26 | 23 7 | 0 15 | 10 48 | 0 15 | 13 43 | 9 35 | 15 27 | 15 48 | 27 8 | 8 45 | 6 39 |
| F 27 | 2 35 | 24 55 | 5 0 | 6 44 | 2 14 | 15 15 | 0 13 | 15 44 | 0 12 | 2 48 | 1 1 | 7 28 | 1 26 | 23 6 | 0 15 | 10 47 | 0 15 | 13 42 | 9 35 | 15 30 | 15 49 | 27 8 | 8 43 | 6 39 |
| S 28 | 2 58 | 26 43 | 4 40 | 6 8 | 2 16 | 15 40 | 0 16 | 15 57 | 0 12 | 2 53 | 1 1 | 7 25 | 1 26 | 23 6 | 0 15 | 10 47 | 0 15 | 13 42 | 9 35 | 15 31 | 15 50 | 27 8 | 8 42 | 6 39 |
| S 29 | 3 22 | 27 18 | 4 8 | 5 31 | 2 17 | 16 5 | 0 20 | 16 11 | 0 13 | 2 59 | 1 1 | 7 23 | 1 26 | 23 6 | 0 15 | 10 46 | 0 15 | 13 42 | 9 35 | 15 32 | 15 51 | 27 8 | 8 40 | 6 40 |
| M30 | 3 45 | 26 37 | 3 25 | 4 52 | 2 17 | 16 30 | 0 23 | 16 25 | 0 14 | 3 5 | 1 1 | 7 20 | 1 26 | 23 6 | 0 15 | 10 45 | 0 15 | 13 42 | 9 36 | 15 33 | 15 52 | 27 9 | 8 39 | 6 40 |
| T 31 | 4n 9 | 24n43 | 2n34 | 4s13 | 2s17 | 16n54 | 0n27 | 16n38 | 0n14 | 3n10 | 1s 1 | 7s18 | 1s26 | 23s 6 | 0s15 | 10s45 | 0s15 | 13s42 | 9n36 | 15s33 | 15s53 | 27n 9 | 8s38 | 6n40 |

Julian Day Number = 2815020.5, Delta T = 54m21s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'17, Lahiri = 37°47'17


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# ASTRODIENST EPHEMERIS for the year 2995
# geocentric

## APRIL 2995 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 39 0 | 11♈30'56 | 29♋35 | 26♓21 | 16♉59 | 16♉16 | 10♈42 | 14♓53 | 11♑ 6 | 2♓34 | 2♑28 | 17♒23 | 16♒13 | 18♊20 | 19♒17 | W 1 |
| T 2 | 12 42 57 | 12°30'42 | 11♌55 | 28° 4 | 18°11 | 17° 0 | 10°56 | 15° 0 | 11° 7 | 2°36 | 2°28 | 17°R24 | 16°10 | 18°27 | 19°21 | T 2 |
| F 3 | 12 46 53 | 13°30'25 | 24°34 | 29°47 | 19°23 | 17°44 | 11°11 | 15° 6 | 11° 7 | 2°37 | 2°28 | 17°24 | 16° 7 | 18°34 | 19°24 | F 3 |
| S 4 | 12 50 50 | 14°30'06 | 7♍36 | 1♈32 | 20°35 | 18°28 | 11°25 | 15°13 | 11° 8 | 2°39 | 2°R28 | 17°22 | 16° 3 | 18°40 | 19°28 | S 4 |
| S 5 | 12 54 46 | 15°29'45 | 21° 3 | 3°18 | 21°47 | 19°12 | 11°40 | 15°20 | 11° 8 | 2°41 | 2°28 | 17°18 | 16° 0 | 18°47 | 19°31 | S 5 |
| M 6 | 12 58 43 | 16°29'22 | 4♎55 | 5° 6 | 22°58 | 19°55 | 11°54 | 15°26 | 11° 9 | 2°43 | 2°28 | 17°11 | 15°57 | 18°54 | 19°34 | M 6 |
| T 7 | 13 2 39 | 17°28'57 | 19° 8 | 6°55 | 24°10 | 20°39 | 12° 9 | 15°33 | 11° 9 | 2°45 | 2°28 | 17° 2 | 15°54 | 19° 0 | 19°38 | T 7 |
| W 8 | 13 6 36 | 18°28'29 | 3♏38 | 8°45 | 25°21 | 21°22 | 12°23 | 15°39 | 11°10 | 2°46 | 2°28 | 16°53 | 15°51 | 19° 7 | 19°41 | W 8 |
| T 9 | 13 10 33 | 19°28'01 | 18°18 | 10°36 | 26°32 | 22° 6 | 12°38 | 15°46 | 11°10 | 2°48 | 2°27 | 16°43 | 15°47 | 19°14 | 19°44 | T 9 |
| F 10 | 13 14 29 | 20°27'30 | 3♐ 0 | 12°29 | 27°44 | 22°50 | 12°52 | 15°52 | 11°10 | 2°50 | 2°27 | 16°34 | 15°44 | 19°20 | 19°47 | F 10 |
| S 11 | 13 18 26 | 21°26'57 | 17°37 | 14°22 | 28°55 | 23°33 | 13° 7 | 15°58 | 11°11 | 2°51 | 2°27 | 16°28 | 15°41 | 19°27 | 19°50 | S 11 |
| S 12 | 13 22 22 | 22°26'23 | 2♑ 3 | 16°18 | 0♊ 6 | 24°16 | 13°21 | 16° 5 | 11°11 | 2°53 | 2°27 | 16°24 | 15°38 | 19°34 | 19°53 | S 12 |
| M13 | 13 26 19 | 23°25'48 | 16°14 | 18°14 | 1°17 | 25° 0 | 13°36 | 16°11 | 11°11 | 2°55 | 2°27 | 16°22 | 15°35 | 19°41 | 19°56 | M13 |
| T 14 | 13 30 15 | 24°25'10 | 0♒11 | 20°12 | 2°28 | 25°43 | 13°50 | 16°17 | 11°11 | 2°56 | 2°26 | 16°D22 | 15°32 | 19°47 | 19°59 | T 14 |
| W15 | 13 34 12 | 25°24'31 | 13°52 | 22°11 | 3°38 | 26°26 | 14° 5 | 16°23 | 11°R11 | 2°58 | 2°26 | 16°R22 | 15°28 | 19°54 | 20° 2 | W15 |
| T 16 | 13 38 8 | 26°23'50 | 27°19 | 24°11 | 4°49 | 27°10 | 14°19 | 16°30 | 11°11 | 2°59 | 2°26 | 16°22 | 15°25 | 20° 1 | 20° 5 | T 16 |
| F 17 | 13 42 5 | 27°23'07 | 10♓33 | 26°12 | 5°59 | 27°53 | 14°34 | 16°36 | 11°11 | 3° 1 | 2°25 | 16°20 | 15°22 | 20° 7 | 20° 8 | F 17 |
| S 18 | 13 46 2 | 28°22'23 | 23°36 | 28°14 | 7°10 | 28°36 | 14°48 | 16°42 | 11°11 | 3° 2 | 2°25 | 16°15 | 15°19 | 20°14 | 20°10 | S 18 |
| S 19 | 13 49 58 | 29°21'36 | 6♈27 | 0♉17 | 8°20 | 29°19 | 15° 2 | 16°48 | 11°11 | 3° 4 | 2°24 | 16° 7 | 15°16 | 20°21 | 20°13 | S 19 |
| M20 | 13 53 55 | 0♉20'48 | 19° 8 | 2°21 | 9°30 | 0♊ 2 | 15°17 | 16°54 | 11°10 | 3° 5 | 2°24 | 15°56 | 15°13 | 20°27 | 20°16 | M20 |
| T 21 | 13 57 51 | 1°19'58 | 1♉38 | 4°25 | 10°40 | 0°45 | 15°31 | 16°59 | 11°10 | 3° 7 | 2°23 | 15°44 | 15° 9 | 20°34 | 20°18 | T 21 |
| W22 | 14 1 48 | 2°19'06 | 13°58 | 6°30 | 11°50 | 1°28 | 15°45 | 17° 5 | 11°10 | 3° 8 | 2°23 | 15°30 | 15° 6 | 20°41 | 20°20 | W22 |
| T 23 | 14 5 44 | 3°18'11 | 26° 7 | 8°35 | 13° 0 | 2°11 | 15°59 | 17°11 | 11° 9 | 3°10 | 2°22 | 15°17 | 15° 3 | 20°48 | 20°23 | T 23 |
| F 24 | 14 9 41 | 4°17'15 | 8♊ 8 | 10°40 | 14°10 | 2°54 | 16°14 | 17°17 | 11° 9 | 3°11 | 2°21 | 15° 5 | 15° 0 | 20°54 | 20°25 | F 24 |
| S 25 | 14 13 37 | 5°16'17 | 20° 1 | 12°44 | 15°20 | 3°36 | 16°28 | 17°22 | 11° 9 | 3°12 | 2°21 | 14°55 | 14°57 | 21° 1 | 20°27 | S 25 |
| S 26 | 14 17 34 | 6°15'17 | 1♋51 | 14°48 | 16°29 | 4°19 | 16°42 | 17°28 | 11° 8 | 3°13 | 2°20 | 14°48 | 14°53 | 21° 8 | 20°30 | S 26 |
| M27 | 14 21 31 | 7°14'14 | 13°40 | 16°51 | 17°38 | 5° 2 | 16°56 | 17°34 | 11° 7 | 3°15 | 2°19 | 14°44 | 14°50 | 21°14 | 20°32 | M27 |
| T 28 | 14 25 27 | 8°13'09 | 25°33 | 18°53 | 18°48 | 5°45 | 17°10 | 17°39 | 11° 7 | 3°16 | 2°19 | 14°42 | 14°47 | 21°21 | 20°34 | T 28 |
| W29 | 14 29 24 | 9°12'02 | 7♌36 | 20°53 | 19°57 | 6°27 | 17°24 | 17°44 | 11° 6 | 3°17 | 2°18 | 14°41 | 14°44 | 21°28 | 20°36 | W29 |
| T 30 | 14 33 20 | 10♉10'53 | 19♌53 | 22♉51 | 21♊ 6 | 7♊10 | 17♈38 | 17♓50 | 11♑ 5 | 3♓18 | 2♑17 | 14♒41 | 14♒41 | 21♊34 | 20♒37 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4n32 | 21n40 | 1n34 | 3s32 | 2s17 | 17n18 | 0n30 | 16n52 | 0n15 | 3n16 | 1s 1 | 7s15 | 1s27 | 23s 6 | 0s15 | 10s44 | 0s15 | 13s41 | 9n36 | 15s32 | 15s54 | 27n 9 | 8s36 | 6n41 |
| T 2 | 4 55 | 17 36 | 0 29 | 2 51 | 2 16 | 17 41 | 0 33 | 17 5 | 0 16 | 3 22 | 1 1 | 7 13 | 1 27 | 23 6 | 0 15 | 10 43 | 0 15 | 13 41 | 9 36 | 15 32 | 15 55 | 27 9 | 8 35 | 6 41 |
| F 3 | 5 18 | 12 40 | 0s38 | 2 9 | 2 15 | 18 4 | 0 37 | 17 18 | 0 17 | 3 27 | 1 1 | 7 10 | 1 27 | 23 6 | 0 15 | 10 43 | 0 15 | 13 41 | 9 37 | 15 32 | 15 55 | 27 9 | 8 33 | 6 41 |
| S 4 | 5 41 | 7 2 | 1 46 | 1 26 | 2 13 | 18 27 | 0 40 | 17 30 | 0 17 | 3 33 | 1 2 | 7 8 | 1 27 | 23 6 | 0 15 | 10 42 | 0 15 | 13 41 | 9 37 | 15 33 | 15 56 | 27 9 | 8 32 | 6 42 |
| S 5 | 6 4 | 0 56 | 2 50 | 0 42 | 2 11 | 18 49 | 0 43 | 17 43 | 0 18 | 3 39 | 1 2 | 7 6 | 1 27 | 23 6 | 0 15 | 10 42 | 0 15 | 13 40 | 9 37 | 15 34 | 15 57 | 27 9 | 8 31 | 6 42 |
| M 6 | 6 27 | 5s24 | 3 45 | 0n 3 | 2 8 | 19 10 | 0 47 | 17 55 | 0 19 | 3 44 | 1 2 | 7 3 | 1 27 | 23 6 | 0 15 | 10 41 | 0 15 | 13 40 | 9 37 | 15 36 | 15 58 | 27 9 | 8 29 | 6 42 |
| T 7 | 6 50 | 11 36 | 4 29 | 0 49 | 2 5 | 19 32 | 0 50 | 18 8 | 0 19 | 3 50 | 1 2 | 7 1 | 1 27 | 23 6 | 0 15 | 10 40 | 0 15 | 13 40 | 9 38 | 15 39 | 15 59 | 27 10 | 8 28 | 6 43 |
| W 8 | 7 12 | 17 18 | 4 55 | 1 35 | 2 1 | 19 52 | 0 54 | 18 20 | 0 20 | 3 55 | 1 2 | 6 58 | 1 27 | 23 6 | 0 15 | 10 40 | 0 15 | 13 40 | 9 38 | 15 42 | 16 0 | 27 10 | 8 27 | 6 43 |
| T 9 | 7 35 | 22 2 | 5 3 | 2 22 | 1 57 | 20 12 | 0 57 | 18 32 | 0 20 | 4 1 | 1 2 | 6 56 | 1 28 | 23 6 | 0 15 | 10 39 | 0 15 | 13 40 | 9 38 | 15 45 | 16 1 | 27 10 | 8 25 | 6 44 |
| F 10 | 7 57 | 25 24 | 4 51 | 3 10 | 1 53 | 20 32 | 1 0 | 18 43 | 0 21 | 4 7 | 1 2 | 6 54 | 1 28 | 23 6 | 0 15 | 10 38 | 0 15 | 13 39 | 9 38 | 15 47 | 16 2 | 27 10 | 8 24 | 6 44 |
| S 11 | 8 19 | 27 3 | 4 20 | 3 59 | 1 48 | 20 51 | 1 4 | 18 55 | 0 22 | 4 12 | 1 2 | 6 51 | 1 28 | 23 6 | 0 15 | 10 38 | 0 15 | 13 39 | 9 38 | 15 49 | 16 3 | 27 10 | 8 23 | 6 44 |
| S 12 | 8 41 | 26 51 | 3 33 | 4 48 | 1 42 | 21 9 | 1 7 | 19 6 | 0 22 | 4 18 | 1 2 | 6 49 | 1 28 | 23 6 | 0 15 | 10 37 | 0 15 | 13 39 | 9 39 | 15 50 | 16 4 | 27 10 | 8 21 | 6 45 |
| M13 | 9 3 | 24 52 | 2 33 | 5 38 | 1 36 | 21 28 | 1 11 | 19 17 | 0 23 | 4 23 | 1 2 | 6 47 | 1 28 | 23 6 | 0 15 | 10 37 | 0 15 | 13 39 | 9 39 | 15 51 | 16 5 | 27 10 | 8 20 | 6 45 |
| T 14 | 9 25 | 21 23 | 1 25 | 6 29 | 1 29 | 21 45 | 1 14 | 19 28 | 0 24 | 4 29 | 1 2 | 6 44 | 1 28 | 23 6 | 0 15 | 10 36 | 0 15 | 13 38 | 9 39 | 15 51 | 16 6 | 27 10 | 8 19 | 6 46 |
| W15 | 9 47 | 16 47 | 0 13 | 7 19 | 1 22 | 22 2 | 1 17 | 19 39 | 0 24 | 4 34 | 1 2 | 6 42 | 1 28 | 23 6 | 0 16 | 10 36 | 0 15 | 13 38 | 9 39 | 15 51 | 16 7 | 27 10 | 8 18 | 6 46 |
| T 16 | 10 8 | 11 26 | 0n58 | 8 11 | 1 14 | 22 18 | 1 21 | 19 49 | 0 25 | 4 40 | 1 2 | 6 40 | 1 29 | 23 6 | 0 16 | 10 35 | 0 15 | 13 38 | 9 39 | 15 51 | 16 8 | 27 10 | 8 16 | 6 46 |
| F 17 | 10 29 | 5 39 | 2 5 | 9 2 | 1 6 | 22 34 | 1 24 | 20 0 | 0 26 | 4 45 | 1 2 | 6 38 | 1 29 | 23 6 | 0 16 | 10 35 | 0 15 | 13 38 | 9 40 | 15 52 | 16 9 | 27 10 | 8 15 | 6 47 |
| S 18 | 10 50 | 0n17 | 3 4 | 9 54 | 0 58 | 22 49 | 1 27 | 20 10 | 0 26 | 4 51 | 1 2 | 6 35 | 1 29 | 23 6 | 0 16 | 10 34 | 0 15 | 13 38 | 9 40 | 15 53 | 16 9 | 27 10 | 8 14 | 6 47 |
| S 19 | 11 11 | 6 6 | 3 52 | 10 45 | 0 49 | 23 4 | 1 30 | 20 20 | 0 27 | 4 56 | 1 2 | 6 33 | 1 29 | 23 6 | 0 16 | 10 34 | 0 15 | 13 37 | 9 40 | 15 55 | 16 10 | 27 10 | 8 13 | 6 48 |
| M20 | 11 32 | 11 36 | 4 29 | 11 37 | 0 39 | 23 18 | 1 33 | 20 30 | 0 27 | 5 2 | 1 2 | 6 31 | 1 29 | 23 6 | 0 16 | 10 33 | 0 15 | 13 37 | 9 40 | 15 59 | 16 11 | 27 10 | 8 12 | 6 48 |
| T 21 | 11 53 | 16 32 | 4 51 | 12 28 | 0 29 | 23 31 | 1 37 | 20 39 | 0 28 | 5 7 | 1 2 | 6 29 | 1 29 | 23 6 | 0 16 | 10 33 | 0 15 | 13 37 | 9 40 | 16 2 | 16 12 | 27 10 | 8 10 | 6 48 |
| W22 | 12 13 | 20 43 | 5 0 | 13 19 | 0 19 | 23 44 | 1 40 | 20 49 | 0 29 | 5 13 | 1 2 | 6 27 | 1 29 | 23 6 | 0 16 | 10 32 | 0 15 | 13 37 | 9 41 | 16 6 | 16 13 | 27 10 | 8 9 | 6 49 |
| T 23 | 12 33 | 23 57 | 4 55 | 14 9 | 0 9 | 23 56 | 1 43 | 20 58 | 0 29 | 5 18 | 1 2 | 6 25 | 1 30 | 23 6 | 0 16 | 10 32 | 0 15 | 13 37 | 9 41 | 16 10 | 16 14 | 27 10 | 8 8 | 6 49 |
| F 24 | 12 53 | 26 6 | 4 37 | 14 58 | 0n 2 | 24 8 | 1 46 | 21 7 | 0 30 | 5 23 | 1 2 | 6 23 | 1 30 | 23 6 | 0 16 | 10 31 | 0 15 | 13 37 | 9 41 | 16 14 | 16 15 | 27 10 | 8 7 | 6 50 |
| S 25 | 13 13 | 27 2 | 4 7 | 15 47 | 0 13 | 24 19 | 1 49 | 21 15 | 0 30 | 5 29 | 1 2 | 6 21 | 1 30 | 23 7 | 0 16 | 10 31 | 0 15 | 13 36 | 9 41 | 16 17 | 16 16 | 27 10 | 8 6 | 6 50 |
| S 26 | 13 32 | 26 44 | 3 26 | 16 34 | 0 24 | 24 29 | 1 52 | 21 24 | 0 31 | 5 34 | 1 2 | 6 19 | 1 30 | 23 7 | 0 16 | 10 30 | 0 15 | 13 36 | 9 41 | 16 19 | 16 17 | 27 10 | 8 5 | 6 51 |
| M27 | 13 51 | 25 12 | 2 36 | 17 20 | 0 35 | 24 39 | 1 55 | 21 32 | 0 31 | 5 39 | 1 3 | 6 17 | 1 30 | 23 7 | 0 16 | 10 30 | 0 15 | 13 36 | 9 42 | 16 20 | 16 18 | 27 10 | 8 4 | 6 51 |
| T 28 | 14 10 | 22 33 | 1 39 | 18 5 | 0 46 | 24 48 | 1 58 | 21 40 | 0 32 | 5 45 | 1 3 | 6 15 | 1 30 | 23 7 | 0 16 | 10 29 | 0 15 | 13 36 | 9 42 | 16 20 | 16 19 | 27 10 | 8 3 | 6 51 |
| W29 | 14 29 | 18 53 | 0 37 | 18 48 | 0 57 | 24 56 | 2 0 | 21 48 | 0 32 | 5 50 | 1 3 | 6 13 | 1 31 | 23 7 | 0 16 | 10 29 | 0 15 | 13 36 | 9 42 | 16 20 | 16 20 | 27 9 | 8 2 | 6 52 |
| T 30 | 14n48 | 14n20 | 0s27 | 19n29 | 1n 8 | 25n 4 | 2n 3 | 21n56 | 0n33 | 5n55 | 1s 3 | 6s11 | 1s31 | 23s 7 | 0s16 | 10s29 | 0s15 | 13s36 | 9n42 | 16s21 | 16s21 | 27n 9 | 8s 1 | 6n52 |

Julian Day Number = 2815051.5, Delta T = 54m21s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'21, Lahiri = 37°47'22


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# ASTRODIENST EPHEMERIS for the year 2995
# geocentric

## MAY 2995 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 37 17 | 11♉ 9'41 | 2♍29 | 24♉47 | 22♊14 | 7♊52 | 17♈52 | 17♓55 | 11°R 5 | 3♓19 | 2°R16 | 14°R40 | 14♒38 | 21♊41 | 20♒39 | F 1 |
| S 2 | 14 41 13 | 12° 8'27 | 15°31 | 26°40 | 23°23 | 8°35 | 18° 6 | 18° 0 | 11♑ 4 | 3°21 | 2♑15 | 14♒38 | 14°34 | 21°48 | 20°41 | S 2 |
| S 3 | 14 45 10 | 13° 7'11 | 29° 0 | 28°30 | 24°32 | 9°17 | 18°20 | 18° 5 | 11° 3 | 3°22 | 2°15 | 14°33 | 14°31 | 21°54 | 20°43 | S 3 |
| M 4 | 14 49 6 | 14° 5'53 | 12♎58 | 0♊17 | 25°40 | 10° 0 | 18°34 | 18°11 | 11° 2 | 3°23 | 2°14 | 14°25 | 14°28 | 22° 1 | 20°44 | M 4 |
| T 5 | 14 53 3 | 15° 4'33 | 27°24 | 2° 0 | 26°48 | 10°42 | 18°48 | 18°16 | 11° 1 | 3°24 | 2°13 | 14°15 | 14°25 | 22° 8 | 20°46 | T 5 |
| W 6 | 14 57 0 | 16° 3'10 | 12♏11 | 3°39 | 27°56 | 11°24 | 19° 1 | 18°21 | 11° 0 | 3°25 | 2°12 | 14° 4 | 14°22 | 22°15 | 20°47 | W 6 |
| T 7 | 15 0 56 | 17° 1'46 | 27°12 | 5°15 | 29° 4 | 12° 7 | 19°15 | 18°25 | 10°59 | 3°26 | 2°11 | 13°53 | 14°18 | 22°21 | 20°49 | T 7 |
| F 8 | 15 4 53 | 18° 0'21 | 12♐18 | 6°46 | 0♋12 | 12°49 | 19°29 | 18°30 | 10°58 | 3°27 | 2°10 | 13°43 | 14°15 | 22°28 | 20°50 | F 8 |
| S 9 | 15 8 49 | 18°58'53 | 27°18 | 8°13 | 1°19 | 13°31 | 19°42 | 18°35 | 10°57 | 3°27 | 2° 9 | 13°35 | 14°12 | 22°35 | 20°51 | S 9 |
| S 10 | 15 12 46 | 19°57'24 | 12♑ 3 | 9°36 | 2°26 | 14°13 | 19°56 | 18°40 | 10°55 | 3°28 | 2° 8 | 13°30 | 14° 9 | 22°41 | 20°53 | S 10 |
| M11 | 15 16 42 | 20°55'53 | 26°29 | 10°54 | 3°34 | 14°55 | 20°10 | 18°44 | 10°54 | 3°29 | 2° 7 | 13°27 | 14° 6 | 22°48 | 20°54 | M11 |
| T 12 | 15 20 39 | 21°54'21 | 10♒33 | 12° 7 | 4°41 | 15°37 | 20°23 | 18°49 | 10°53 | 3°30 | 2° 5 | 13°D27 | 14° 3 | 22°55 | 20°55 | T 12 |
| W13 | 15 24 35 | 22°52'47 | 24°15 | 13°15 | 5°47 | 16°19 | 20°36 | 18°53 | 10°51 | 3°31 | 2° 4 | 13°R27 | 13°59 | 23° 1 | 20°56 | W13 |
| T 14 | 15 28 32 | 23°51'12 | 7♓36 | 14°19 | 6°54 | 17° 1 | 20°50 | 18°58 | 10°50 | 3°31 | 2° 3 | 13°26 | 13°56 | 23° 8 | 20°57 | T 14 |
| F 15 | 15 32 29 | 24°49'35 | 20°39 | 15°17 | 8° 1 | 17°43 | 21° 3 | 19° 2 | 10°49 | 3°32 | 2° 2 | 13°24 | 13°53 | 23°15 | 20°58 | F 15 |
| S 16 | 15 36 25 | 25°47'56 | 3♈27 | 16°10 | 9° 7 | 18°25 | 21°16 | 19° 6 | 10°47 | 3°33 | 2° 1 | 13°19 | 13°50 | 23°21 | 20°58 | S 16 |
| S 17 | 15 40 22 | 26°46'16 | 16° 3 | 16°59 | 10°13 | 19° 7 | 21°30 | 19°10 | 10°46 | 3°33 | 2° 0 | 13°11 | 13°47 | 23°28 | 20°59 | S 17 |
| M18 | 15 44 18 | 27°44'34 | 28°27 | 17°42 | 11°19 | 19°49 | 21°43 | 19°14 | 10°44 | 3°34 | 1°58 | 13° 1 | 13°44 | 23°35 | 21° 0 | M18 |
| T 19 | 15 48 15 | 28°42'51 | 10♉42 | 18°20 | 12°24 | 20°30 | 21°56 | 19°18 | 10°43 | 3°35 | 1°57 | 12°49 | 13°40 | 23°42 | 21° 0 | T 19 |
| W20 | 15 52 11 | 29°41'06 | 22°50 | 18°52 | 13°30 | 21°12 | 22° 9 | 19°22 | 10°41 | 3°35 | 1°56 | 12°36 | 13°37 | 23°48 | 21° 1 | W20 |
| T 21 | 15 56 8 | 0♊39'20 | 4♊50 | 19°20 | 14°35 | 21°54 | 22°22 | 19°26 | 10°39 | 3°36 | 1°55 | 12°23 | 13°34 | 23°55 | 21° 1 | T 21 |
| F 22 | 16 0 4 | 1°37'32 | 16°44 | 19°41 | 15°40 | 22°35 | 22°35 | 19°30 | 10°38 | 3°36 | 1°53 | 12°11 | 13°31 | 24° 2 | 21° 2 | F 22 |
| S 23 | 16 4 1 | 2°35'42 | 28°35 | 19°58 | 16°45 | 23°17 | 22°47 | 19°34 | 10°36 | 3°37 | 1°52 | 12° 1 | 13°28 | 24° 8 | 21° 2 | S 23 |
| S 24 | 16 7 58 | 3°33'51 | 10♋23 | 20°10 | 17°49 | 23°58 | 23° 0 | 19°37 | 10°34 | 3°37 | 1°51 | 11°54 | 13°24 | 24°15 | 21° 2 | S 24 |
| M25 | 16 11 54 | 4°31'57 | 22°12 | 20°16 | 18°53 | 24°40 | 23°13 | 19°41 | 10°32 | 3°37 | 1°49 | 11°50 | 13°21 | 24°22 | 21° 2 | M25 |
| T 26 | 16 15 51 | 5°30'02 | 4♌ 6 | 20°R17 | 19°57 | 25°21 | 23°25 | 19°44 | 10°30 | 3°38 | 1°48 | 11°48 | 13°18 | 24°28 | 21°R 2 | T 26 |
| W27 | 16 19 47 | 6°28'05 | 16° 8 | 20°13 | 21° 1 | 26° 3 | 23°38 | 19°47 | 10°29 | 3°38 | 1°46 | 11°D48 | 13°15 | 24°35 | 21° 2 | W27 |
| T 28 | 16 23 44 | 7°26'07 | 28°24 | 20° 5 | 22° 5 | 26°44 | 23°50 | 19°51 | 10°27 | 3°38 | 1°45 | 11°48 | 13°12 | 24°42 | 21° 2 | T 28 |
| F 29 | 16 27 40 | 8°24'06 | 10♍58 | 19°51 | 23° 8 | 27°25 | 24° 3 | 19°54 | 10°25 | 3°39 | 1°44 | 11°R49 | 13° 9 | 24°48 | 21° 2 | F 29 |
| S 30 | 16 31 37 | 9°22'03 | 23°55 | 19°34 | 24°11 | 28° 6 | 24°15 | 19°57 | 10°23 | 3°39 | 1°42 | 11°48 | 13° 5 | 24°55 | 21° 2 | S 30 |
| S 31 | 16 35 33 | 10♊19'59 | 7♎20 | 19♊13 | 25♋13 | 28♊48 | 24♈27 | 20♓ 0 | 10♑21 | 3♓39 | 1♑41 | 11♒45 | 13♒ 2 | 25♊ 2 | 21♒ 2 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15n 6 | 9n 5 | 1s33 | 20n 8 | 1n18 | 25n11 | 2n 6 | 22n 3 | 0n34 | 6n 0 | 1s 3 | 6s 9 | 1s31 | 23s 7 | 0s16 | 10s28 | 0s15 | 13s35 | 9n42 | 16s21 | 16s22 | 27n 9 | 8s 0 | 6n53 |
| S 2 | 15 24 | 3 18 | 2 35 | 20 44 | 1 28 | 25 17 | 2 8 | 22 11 | 0 34 | 6 6 | 1 3 | 6 7 | 1 31 | 23 7 | 0 16 | 10 28 | 0 15 | 13 35 | 9 42 | 16 21 | 16 22 | 27 9 | 7 59 | 6 53 |
| S 3 | 15 42 | 2s50 | 3 31 | 21 19 | 1 38 | 25 23 | 2 11 | 22 18 | 0 35 | 6 11 | 1 3 | 6 5 | 1 31 | 23 7 | 0 16 | 10 27 | 0 15 | 13 35 | 9 43 | 16 23 | 16 23 | 27 9 | 7 58 | 6 54 |
| M 4 | 15 59 | 9 2 | 4 17 | 21 51 | 1 47 | 25 28 | 2 14 | 22 25 | 0 35 | 6 16 | 1 3 | 6 3 | 1 31 | 23 7 | 0 16 | 10 27 | 0 15 | 13 35 | 9 43 | 16 25 | 16 24 | 27 9 | 7 57 | 6 54 |
| T 5 | 16 16 | 14 58 | 4 48 | 22 21 | 1 56 | 25 32 | 2 16 | 22 31 | 0 36 | 6 21 | 1 3 | 6 2 | 1 32 | 23 7 | 0 16 | 10 27 | 0 15 | 13 35 | 9 43 | 16 28 | 16 25 | 27 9 | 7 56 | 6 55 |
| W 6 | 16 33 | 20 10 | 5 0 | 22 48 | 2 4 | 25 36 | 2 18 | 22 38 | 0 36 | 6 26 | 1 3 | 6 0 | 1 32 | 23 7 | 0 16 | 10 26 | 0 15 | 13 35 | 9 43 | 16 31 | 16 26 | 27 9 | 7 55 | 6 55 |
| T 7 | 16 50 | 24 10 | 4 52 | 23 13 | 2 11 | 25 39 | 2 21 | 22 44 | 0 37 | 6 31 | 1 3 | 5 58 | 1 32 | 23 8 | 0 16 | 10 26 | 0 15 | 13 35 | 9 43 | 16 34 | 16 27 | 27 9 | 7 54 | 6 56 |
| F 8 | 17 6 | 26 31 | 4 24 | 23 35 | 2 18 | 25 42 | 2 23 | 22 50 | 0 37 | 6 36 | 1 3 | 5 56 | 1 32 | 23 8 | 0 16 | 10 26 | 0 15 | 13 34 | 9 43 | 16 37 | 16 28 | 27 8 | 7 53 | 6 56 |
| S 9 | 17 22 | 26 55 | 3 38 | 23 55 | 2 23 | 25 43 | 2 25 | 22 56 | 0 38 | 6 41 | 1 4 | 5 55 | 1 32 | 23 8 | 0 16 | 10 25 | 0 15 | 13 34 | 9 43 | 16 40 | 16 29 | 27 8 | 7 52 | 6 56 |
| S 10 | 17 38 | 25 23 | 2 38 | 24 13 | 2 28 | 25 45 | 2 27 | 23 1 | 0 38 | 6 46 | 1 4 | 5 53 | 1 33 | 23 8 | 0 16 | 10 25 | 0 15 | 13 34 | 9 44 | 16 41 | 16 30 | 27 8 | 7 52 | 6 57 |
| M11 | 17 54 | 22 11 | 1 28 | 24 28 | 2 32 | 25 45 | 2 29 | 23 6 | 0 39 | 6 51 | 1 4 | 5 51 | 1 33 | 23 8 | 0 16 | 10 25 | 0 15 | 13 34 | 9 44 | 16 42 | 16 31 | 27 8 | 7 51 | 6 57 |
| T 12 | 18 9 | 17 45 | 0 15 | 24 41 | 2 35 | 25 45 | 2 31 | 23 11 | 0 39 | 6 56 | 1 4 | 5 50 | 1 33 | 23 8 | 0 16 | 10 25 | 0 15 | 13 34 | 9 44 | 16 42 | 16 32 | 27 8 | 7 50 | 6 58 |
| W13 | 18 24 | 12 28 | 0n57 | 24 52 | 2 37 | 25 44 | 2 33 | 23 16 | 0 40 | 7 1 | 1 4 | 5 48 | 1 33 | 23 8 | 0 16 | 10 24 | 0 15 | 13 34 | 9 44 | 16 42 | 16 33 | 27 7 | 7 49 | 6 58 |
| T 14 | 18 38 | 6 45 | 2 4 | 25 0 | 2 38 | 25 42 | 2 35 | 23 21 | 0 40 | 7 6 | 1 4 | 5 47 | 1 33 | 23 8 | 0 16 | 10 24 | 0 15 | 13 34 | 9 44 | 16 42 | 16 33 | 27 7 | 7 49 | 6 59 |
| F 15 | 18 52 | 0 52 | 3 3 | 25 7 | 2 38 | 25 40 | 2 36 | 23 25 | 0 41 | 7 11 | 1 4 | 5 45 | 1 34 | 23 9 | 0 16 | 10 24 | 0 15 | 13 34 | 9 44 | 16 43 | 16 34 | 27 7 | 7 48 | 6 59 |
| S 16 | 19 6 | 4n55 | 3 52 | 25 11 | 2 36 | 25 38 | 2 38 | 23 30 | 0 41 | 7 16 | 1 4 | 5 44 | 1 34 | 23 9 | 0 16 | 10 24 | 0 15 | 13 34 | 9 44 | 16 44 | 16 35 | 27 7 | 7 47 | 7 0 |
| S 17 | 19 20 | 10 24 | 4 28 | 25 14 | 2 34 | 25 34 | 2 39 | 23 34 | 0 42 | 7 20 | 1 4 | 5 42 | 1 34 | 23 9 | 0 16 | 10 23 | 0 15 | 13 34 | 9 44 | 16 46 | 16 36 | 27 7 | 7 47 | 7 0 |
| M18 | 19 33 | 15 24 | 4 51 | 25 15 | 2 31 | 25 30 | 2 41 | 23 37 | 0 42 | 7 25 | 1 4 | 5 41 | 1 34 | 23 9 | 0 16 | 10 23 | 0 15 | 13 33 | 9 44 | 16 49 | 16 37 | 27 6 | 7 46 | 7 1 |
| T 19 | 19 46 | 19 43 | 5 1 | 25 14 | 2 26 | 25 25 | 2 42 | 23 41 | 0 43 | 7 30 | 1 5 | 5 39 | 1 34 | 23 9 | 0 16 | 10 23 | 0 15 | 13 33 | 9 45 | 16 53 | 16 38 | 27 6 | 7 45 | 7 1 |
| W20 | 19 59 | 23 9 | 4 56 | 25 11 | 2 21 | 25 20 | 2 43 | 23 44 | 0 43 | 7 35 | 1 5 | 5 38 | 1 35 | 23 9 | 0 16 | 10 23 | 0 15 | 13 33 | 9 45 | 16 56 | 16 39 | 27 6 | 7 45 | 7 2 |
| T 21 | 20 11 | 25 33 | 4 38 | 25 6 | 2 14 | 25 14 | 2 44 | 23 47 | 0 43 | 7 39 | 1 5 | 5 37 | 1 35 | 23 9 | 0 16 | 10 23 | 0 16 | 13 33 | 9 45 | 17 0 | 16 40 | 27 6 | 7 44 | 7 2 |
| F 22 | 20 23 | 26 47 | 4 9 | 25 0 | 2 6 | 25 8 | 2 45 | 23 50 | 0 44 | 7 44 | 1 5 | 5 36 | 1 35 | 23 10 | 0 16 | 10 22 | 0 16 | 13 33 | 9 45 | 17 3 | 16 41 | 27 5 | 7 44 | 7 3 |
| S 23 | 20 34 | 26 46 | 3 28 | 24 53 | 1 57 | 25 1 | 2 46 | 23 53 | 0 44 | 7 49 | 1 5 | 5 34 | 1 35 | 23 10 | 0 16 | 10 22 | 0 16 | 13 33 | 9 45 | 17 6 | 16 42 | 27 5 | 7 43 | 7 3 |
| S 24 | 20 45 | 25 33 | 2 39 | 24 43 | 1 47 | 24 53 | 2 47 | 23 55 | 0 45 | 7 53 | 1 5 | 5 33 | 1 35 | 23 10 | 0 16 | 10 22 | 0 16 | 13 33 | 9 45 | 17 8 | 16 42 | 27 5 | 7 42 | 7 4 |
| M25 | 20 56 | 23 11 | 1 42 | 24 32 | 1 35 | 24 45 | 2 47 | 23 57 | 0 45 | 7 58 | 1 5 | 5 32 | 1 36 | 23 10 | 0 16 | 10 22 | 0 16 | 13 33 | 9 45 | 17 9 | 16 43 | 27 5 | 7 42 | 7 4 |
| T 26 | 21 6 | 19 48 | 0 41 | 24 20 | 1 23 | 24 36 | 2 48 | 23 59 | 0 46 | 8 2 | 1 5 | 5 31 | 1 36 | 23 10 | 0 16 | 10 22 | 0 16 | 13 33 | 9 45 | 17 9 | 16 44 | 27 4 | 7 42 | 7 4 |
| W27 | 21 16 | 15 33 | 0s23 | 24 7 | 1 10 | 24 27 | 2 48 | 24 1 | 0 46 | 8 7 | 1 6 | 5 30 | 1 36 | 23 10 | 0 16 | 10 22 | 0 16 | 13 33 | 9 45 | 17 10 | 16 45 | 27 4 | 7 41 | 7 5 |
| T 28 | 21 26 | 10 36 | 1 27 | 23 52 | 0 55 | 24 17 | 2 48 | 24 3 | 0 46 | 8 11 | 1 6 | 5 29 | 1 36 | 23 11 | 0 16 | 10 22 | 0 16 | 13 33 | 9 45 | 17 9 | 16 46 | 27 4 | 7 41 | 7 5 |
| F 29 | 21 35 | 5 7 | 2 29 | 23 36 | 0 40 | 24 6 | 2 48 | 24 4 | 0 47 | 8 16 | 1 6 | 5 28 | 1 36 | 23 11 | 0 16 | 10 22 | 0 16 | 13 33 | 9 45 | 17 9 | 16 47 | 27 3 | 7 40 | 7 6 |
| S 30 | 21 44 | 0s44 | 3 25 | 23 19 | 0 24 | 23 55 | 2 48 | 24 5 | 0 47 | 8 20 | 1 6 | 5 27 | 1 37 | 23 11 | 0 16 | 10 22 | 0 16 | 13 33 | 9 45 | 17 10 | 16 48 | 27 3 | 7 40 | 7 6 |
| S 31 | 21n53 | 6s45 | 4s12 | 23n 0 | 0n 8 | 23n44 | 2n48 | 24n 6 | 0n48 | 8n24 | 1s 6 | 5s26 | 1s37 | 23s11 | 0s16 | 10s22 | 0s16 | 13s33 | 9n45 | 17s10 | 16s49 | 27n 3 | 7s40 | 7n 7 |

Julian Day Number = 2815081.5, Delta T = 54m22s
Ecliptic obliquity = 23°18'44, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'25, Lahiri = 37°47'26


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# ASTRODIENST EPHEMERIS for the year 2995
# geocentric

## JUNE 2995 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 39 30 | 11♊17'53 | 21♎14 | 18°R48 | 26♋16 | 29♊29 | 24♈40 | 20♓ 3 | 10°R19 | 3♓39 | 1°R39 | 11°R39 | 12♒59 | 25♊ 9 | 21°R 1 | M 1 |
| T 2 | 16 43 27 | 12°15'45 | 5♏38 | 18♊21 | 27°17 | 0♋10 | 24°52 | 20° 6 | 10♉17 | 3°39 | 1♉38 | 11♒32 | 12°56 | 25°15 | 21♒ 1 | T 2 |
| W 3 | 16 47 23 | 13°13'36 | 20°27 | 17°50 | 28°19 | 0°51 | 25° 4 | 20° 8 | 10°15 | 3°39 | 1°36 | 11°24 | 12°53 | 25°22 | 21° 0 | W 3 |
| T 4 | 16 51 20 | 14°11'25 | 5♐34 | 17°18 | 29°20 | 1°32 | 25°16 | 20°11 | 10°13 | 3°39 | 1°35 | 11°15 | 12°50 | 25°29 | 21° 0 | T 4 |
| F 5 | 16 55 16 | 15° 9'13 | 20°50 | 16°45 | 0♌21 | 2°13 | 25°27 | 20°13 | 10°10 | 3°R39 | 1°33 | 11° 8 | 12°46 | 25°35 | 20°59 | F 5 |
| S 6 | 16 59 13 | 16° 7'00 | 6♑ 4 | 16°10 | 1°22 | 2°54 | 25°39 | 20°16 | 10° 8 | 3°39 | 1°32 | 11° 2 | 12°43 | 25°42 | 20°58 | S 6 |
| S 7 | 17 3 9 | 17° 4'45 | 21° 6 | 15°36 | 2°22 | 3°35 | 25°51 | 20°18 | 10° 6 | 3°39 | 1°30 | 10°58 | 12°40 | 25°49 | 20°58 | S 7 |
| M 8 | 17 7 6 | 18° 2'30 | 5♒48 | 15° 2 | 3°22 | 4°16 | 26° 2 | 20°21 | 10° 4 | 3°39 | 1°29 | 10°D56 | 12°37 | 25°55 | 20°57 | M 8 |
| T 9 | 17 11 3 | 19° 0'13 | 20° 5 | 14°29 | 4°22 | 4°57 | 26°14 | 20°23 | 10° 2 | 3°39 | 1°27 | 10°56 | 12°34 | 26° 2 | 20°56 | T 9 |
| W10 | 17 14 59 | 19°57'55 | 3♓55 | 13°57 | 5°21 | 5°38 | 26°25 | 20°25 | 9°59 | 3°39 | 1°26 | 10°57 | 12°30 | 26° 9 | 20°55 | W10 |
| T 11 | 17 18 56 | 20°55'36 | 17°21 | 13°27 | 6°19 | 6°18 | 26°36 | 20°27 | 9°57 | 3°39 | 1°24 | 10°R58 | 12°27 | 26°15 | 20°54 | T 11 |
| F 12 | 17 22 52 | 21°53'16 | 0♈24 | 13° 1 | 7°18 | 6°59 | 26°48 | 20°29 | 9°55 | 3°39 | 1°22 | 10°58 | 12°24 | 26°22 | 20°53 | F 12 |
| S 13 | 17 26 49 | 22°50'55 | 13° 7 | 12°37 | 8°16 | 7°40 | 26°59 | 20°30 | 9°53 | 3°38 | 1°21 | 10°56 | 12°21 | 26°29 | 20°51 | S 13 |
| S 14 | 17 30 45 | 23°48'33 | 25°34 | 12°16 | 9°13 | 8°20 | 27°10 | 20°32 | 9°50 | 3°38 | 1°19 | 10°52 | 12°18 | 26°35 | 20°50 | S 14 |
| M15 | 17 34 42 | 24°46'10 | 7♉49 | 11°59 | 10°10 | 9° 1 | 27°21 | 20°34 | 9°48 | 3°38 | 1°18 | 10°46 | 12°15 | 26°42 | 20°49 | M15 |
| T 16 | 17 38 38 | 25°43'47 | 19°54 | 11°46 | 11° 6 | 9°42 | 27°32 | 20°35 | 9°45 | 3°38 | 1°16 | 10°38 | 12°11 | 26°49 | 20°48 | T 16 |
| W17 | 17 42 35 | 26°41'23 | 1♊53 | 11°37 | 12° 2 | 10°22 | 27°42 | 20°37 | 9°43 | 3°37 | 1°14 | 10°30 | 12° 8 | 26°56 | 20°46 | W17 |
| T 18 | 17 46 32 | 27°38'57 | 13°46 | 11°33 | 12°58 | 11° 3 | 27°53 | 20°38 | 9°41 | 3°37 | 1°13 | 10°22 | 12° 5 | 27° 2 | 20°45 | T 18 |
| F 19 | 17 50 28 | 28°36'31 | 25°36 | 11°D32 | 13°53 | 11°43 | 28° 3 | 20°39 | 9°38 | 3°36 | 1°11 | 10°15 | 12° 2 | 27° 9 | 20°43 | F 19 |
| S 20 | 17 54 25 | 29°34'04 | 7♋25 | 11°37 | 14°47 | 12°24 | 28°14 | 20°40 | 9°36 | 3°36 | 1°10 | 10° 9 | 11°59 | 27°16 | 20°41 | S 20 |
| S 21 | 17 58 21 | 0♋31'36 | 19°15 | 11°45 | 15°41 | 13° 4 | 28°24 | 20°41 | 9°34 | 3°35 | 1° 8 | 10° 5 | 11°56 | 27°22 | 20°40 | S 21 |
| M22 | 18 2 18 | 1°29'06 | 1♌ 8 | 11°59 | 16°34 | 13°44 | 28°34 | 20°42 | 9°31 | 3°35 | 1° 6 | 10° 3 | 11°52 | 27°29 | 20°38 | M22 |
| T 23 | 18 6 14 | 2°26'36 | 13° 6 | 12°16 | 17°27 | 14°25 | 28°44 | 20°43 | 9°29 | 3°34 | 1° 5 | 10°D 3 | 11°49 | 27°36 | 20°36 | T 23 |
| W24 | 18 10 11 | 3°24'04 | 25°13 | 12°39 | 18°19 | 15° 5 | 28°54 | 20°44 | 9°26 | 3°34 | 1° 3 | 10° 3 | 11°46 | 27°42 | 20°34 | W24 |
| T 25 | 18 14 7 | 4°21'32 | 7♍33 | 13° 5 | 19°10 | 15°45 | 29° 4 | 20°44 | 9°24 | 3°33 | 1° 2 | 10° 5 | 11°43 | 27°49 | 20°32 | T 25 |
| F 26 | 18 18 4 | 5°18'58 | 20° 9 | 13°36 | 20° 1 | 16°25 | 29°14 | 20°45 | 9°21 | 3°33 | 1° 0 | 10° 6 | 11°40 | 27°56 | 20°30 | F 26 |
| S 27 | 18 22 1 | 6°16'23 | 3♎ 5 | 14°11 | 20°51 | 17° 6 | 29°23 | 20°45 | 9°19 | 3°32 | 0°58 | 10°R 7 | 11°36 | 28° 2 | 20°28 | S 27 |
| S 28 | 18 25 57 | 7°13'48 | 16°25 | 14°50 | 21°40 | 17°46 | 29°33 | 20°45 | 9°16 | 3°31 | 0°57 | 10° 7 | 11°33 | 28° 9 | 20°26 | S 28 |
| M29 | 18 29 54 | 8°11'11 | 0♏11 | 15°33 | 22°29 | 18°26 | 29°42 | 20°46 | 9°14 | 3°30 | 0°55 | 10° 5 | 11°30 | 28°16 | 20°24 | M29 |
| T 30 | 18 33 50 | 9♋ 8'33 | 14♏24 | 16♊21 | 23♌17 | 19♋ 6 | 29♈51 | 20♓46 | 9♉11 | 3♓30 | 0♉54 | 10♒ 2 | 11♒27 | 28♊22 | 20♒22 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n 1 | 12s39 | 4s46 | 22n41 | 0s 9 | 23n32 | 2n48 | 24n 7 | 0n48 | 8n29 | 1s 6 | 5s25 | 1s37 | 23s11 | 0s16 | 10s22 | 0s16 | 13s33 | 9n45 | 17s12 | 16s50 | 27n 2 | 7s39 | 7n 7 |
| T 2 | 22 9 | 18 5 | 5 3 | 22 22 | 0 27 | 23 20 | 2 47 | 24 7 | 0 49 | 8 33 | 1 6 | 5 24 | 1 37 | 23 11 | 0 16 | 10 22 | 0 16 | 13 33 | 9 45 | 17 14 | 16 51 | 27 2 | 7 39 | 7 8 |
| W 3 | 22 16 | 22 36 | 5 1 | 22 1 | 0 44 | 23 7 | 2 47 | 24 7 | 0 49 | 8 37 | 1 6 | 5 23 | 1 37 | 23 12 | 0 17 | 10 22 | 0 16 | 13 33 | 9 45 | 17 16 | 16 51 | 27 2 | 7 39 | 7 8 |
| T 4 | 22 23 | 25 41 | 4 38 | 21 41 | 1 2 | 22 53 | 2 46 | 24 7 | 0 49 | 8 41 | 1 7 | 5 22 | 1 38 | 23 12 | 0 17 | 10 22 | 0 16 | 13 33 | 9 45 | 17 18 | 16 52 | 27 1 | 7 38 | 7 9 |
| F 5 | 22 29 | 26 55 | 3 55 | 21 20 | 1 20 | 22 39 | 2 45 | 24 7 | 0 50 | 8 45 | 1 7 | 5 21 | 1 38 | 23 12 | 0 17 | 10 22 | 0 16 | 13 33 | 9 45 | 17 21 | 16 53 | 27 1 | 7 38 | 7 9 |
| S 6 | 22 36 | 26 6 | 2 56 | 20 59 | 1 37 | 22 25 | 2 44 | 24 7 | 0 50 | 8 49 | 1 7 | 5 21 | 1 38 | 23 12 | 0 17 | 10 22 | 0 16 | 13 33 | 9 45 | 17 22 | 16 54 | 27 1 | 7 38 | 7 9 |
| S 7 | 22 41 | 23 23 | 1 44 | 20 39 | 1 54 | 22 10 | 2 43 | 24 6 | 0 50 | 8 54 | 1 7 | 5 20 | 1 38 | 23 12 | 0 17 | 10 22 | 0 16 | 13 33 | 9 45 | 17 23 | 16 55 | 27 0 | 7 38 | 7 10 |
| M 8 | 22 47 | 19 10 | 0 28 | 20 19 | 2 11 | 21 55 | 2 42 | 24 5 | 0 51 | 8 58 | 1 7 | 5 19 | 1 39 | 23 13 | 0 17 | 10 22 | 0 16 | 13 33 | 9 45 | 17 24 | 16 56 | 27 0 | 7 38 | 7 10 |
| T 9 | 22 52 | 13 56 | 0n49 | 19 59 | 2 26 | 21 40 | 2 40 | 24 4 | 0 51 | 9 2 | 1 7 | 5 18 | 1 39 | 23 13 | 0 17 | 10 22 | 0 16 | 13 33 | 9 45 | 17 24 | 16 57 | 26 59 | 7 37 | 7 11 |
| W10 | 22 56 | 8 9 | 2 0 | 19 41 | 2 41 | 21 24 | 2 39 | 24 3 | 0 52 | 9 5 | 1 8 | 5 18 | 1 39 | 23 13 | 0 17 | 10 22 | 0 16 | 13 33 | 9 45 | 17 23 | 16 58 | 26 59 | 7 37 | 7 11 |
| T 11 | 23 0 | 2 10 | 3 3 | 19 24 | 2 55 | 21 7 | 2 37 | 24 2 | 0 52 | 9 9 | 1 8 | 5 17 | 1 39 | 23 13 | 0 17 | 10 22 | 0 16 | 13 33 | 9 45 | 17 23 | 16 59 | 26 59 | 7 37 | 7 12 |
| F 12 | 23 4 | 3n45 | 3 54 | 19 8 | 3 8 | 20 51 | 2 35 | 24 0 | 0 52 | 9 13 | 1 8 | 5 17 | 1 39 | 23 13 | 0 17 | 10 22 | 0 16 | 13 33 | 9 45 | 17 23 | 16 59 | 26 58 | 7 37 | 7 12 |
| S 13 | 23 7 | 9 20 | 4 33 | 18 53 | 3 20 | 20 34 | 2 33 | 23 58 | 0 53 | 9 17 | 1 8 | 5 16 | 1 40 | 23 13 | 0 17 | 10 22 | 0 16 | 13 33 | 9 45 | 17 24 | 17 0 | 26 58 | 7 37 | 7 12 |
| S 14 | 23 10 | 14 27 | 4 57 | 18 40 | 3 31 | 20 16 | 2 30 | 23 56 | 0 53 | 9 21 | 1 8 | 5 16 | 1 40 | 23 14 | 0 17 | 10 22 | 0 16 | 13 33 | 9 45 | 17 25 | 17 1 | 26 57 | 7 37 | 7 13 |
| M15 | 23 13 | 18 53 | 5 7 | 18 28 | 3 40 | 19 59 | 2 28 | 23 54 | 0 53 | 9 25 | 1 8 | 5 15 | 1 40 | 23 14 | 0 17 | 10 22 | 0 16 | 13 33 | 9 45 | 17 26 | 17 2 | 26 57 | 7 37 | 7 13 |
| T 16 | 23 15 | 22 30 | 5 4 | 18 19 | 3 48 | 19 41 | 2 25 | 23 51 | 0 54 | 9 28 | 1 8 | 5 15 | 1 40 | 23 14 | 0 17 | 10 22 | 0 16 | 13 33 | 9 45 | 17 28 | 17 3 | 26 56 | 7 37 | 7 14 |
| W17 | 23 16 | 25 7 | 4 47 | 18 10 | 3 55 | 19 22 | 2 23 | 23 48 | 0 54 | 9 32 | 1 9 | 5 15 | 1 41 | 23 14 | 0 17 | 10 23 | 0 16 | 13 33 | 9 45 | 17 31 | 17 4 | 26 56 | 7 37 | 7 14 |
| T 18 | 23 17 | 26 36 | 4 18 | 18 4 | 4 1 | 19 4 | 2 20 | 23 45 | 0 54 | 9 36 | 1 9 | 5 14 | 1 41 | 23 14 | 0 17 | 10 23 | 0 16 | 13 34 | 9 45 | 17 33 | 17 5 | 26 55 | 7 37 | 7 15 |
| F 19 | 23 18 | 26 52 | 3 37 | 18 0 | 4 5 | 18 45 | 2 16 | 23 42 | 0 55 | 9 39 | 1 9 | 5 14 | 1 41 | 23 15 | 0 17 | 10 23 | 0 16 | 13 34 | 9 45 | 17 35 | 17 6 | 26 55 | 7 38 | 7 15 |
| S 20 | 23 19 | 25 54 | 2 48 | 17 57 | 4 9 | 18 26 | 2 13 | 23 39 | 0 55 | 9 43 | 1 9 | 5 14 | 1 41 | 23 15 | 0 17 | 10 23 | 0 16 | 13 34 | 9 45 | 17 36 | 17 7 | 26 54 | 7 38 | 7 15 |
| S 21 | 23 19 | 23 46 | 1 51 | 17 56 | 4 11 | 18 7 | 2 9 | 23 35 | 0 55 | 9 46 | 1 9 | 5 14 | 1 42 | 23 15 | 0 17 | 10 23 | 0 16 | 13 34 | 9 45 | 17 37 | 17 7 | 26 54 | 7 38 | 7 16 |
| M22 | 23 18 | 20 35 | 0 48 | 17 57 | 4 12 | 17 47 | 2 6 | 23 32 | 0 56 | 9 49 | 1 10 | 5 14 | 1 42 | 23 15 | 0 17 | 10 24 | 0 16 | 13 34 | 9 44 | 17 38 | 17 8 | 26 54 | 7 38 | 7 16 |
| T 23 | 23 17 | 16 32 | 0s17 | 17 59 | 4 12 | 17 27 | 2 2 | 23 28 | 0 56 | 9 53 | 1 10 | 5 14 | 1 42 | 23 15 | 0 17 | 10 24 | 0 16 | 13 34 | 9 44 | 17 38 | 17 9 | 26 53 | 7 38 | 7 16 |
| W24 | 23 16 | 11 46 | 1 22 | 18 3 | 4 10 | 17 7 | 1 58 | 23 24 | 0 56 | 9 56 | 1 10 | 5 13 | 1 42 | 23 15 | 0 17 | 10 24 | 0 16 | 13 34 | 9 44 | 17 38 | 17 10 | 26 52 | 7 38 | 7 17 |
| T 25 | 23 14 | 6 27 | 2 24 | 18 8 | 4 8 | 16 47 | 1 53 | 23 19 | 0 56 | 9 59 | 1 10 | 5 13 | 1 43 | 23 16 | 0 17 | 10 24 | 0 16 | 13 34 | 9 44 | 17 37 | 17 11 | 26 52 | 7 39 | 7 17 |
| F 26 | 23 12 | 0 48 | 3 22 | 18 15 | 4 5 | 16 27 | 1 49 | 23 15 | 0 57 | 10 3 | 1 10 | 5 13 | 1 43 | 23 16 | 0 17 | 10 24 | 0 16 | 13 34 | 9 44 | 17 37 | 17 12 | 26 51 | 7 39 | 7 17 |
| S 27 | 23 10 | 5s 3 | 4 10 | 18 23 | 4 1 | 16 7 | 1 44 | 23 10 | 0 57 | 10 6 | 1 10 | 5 14 | 1 43 | 23 16 | 0 17 | 10 25 | 0 16 | 13 35 | 9 44 | 17 37 | 17 13 | 26 51 | 7 39 | 7 18 |
| S 28 | 23 7 | 10 50 | 4 47 | 18 32 | 3 57 | 15 46 | 1 39 | 23 5 | 0 57 | 10 9 | 1 11 | 5 14 | 1 43 | 23 16 | 0 17 | 10 25 | 0 16 | 13 35 | 9 44 | 17 37 | 17 14 | 26 50 | 7 40 | 7 18 |
| M29 | 23 4 | 16 17 | 5 8 | 18 42 | 3 51 | 15 25 | 1 34 | 23 0 | 0 58 | 10 12 | 1 11 | 5 14 | 1 43 | 23 16 | 0 17 | 10 25 | 0 16 | 13 35 | 9 44 | 17 37 | 17 14 | 26 50 | 7 40 | 7 19 |
| T 30 | 23n 0 | 21s 2 | 5s12 | 18n53 | 3s45 | 15n 5 | 1n28 | 22n55 | 0n58 | 10n15 | 1s11 | 5s14 | 1s44 | 23s17 | 0s17 | 10s26 | 0s16 | 13s35 | 9n44 | 17s38 | 17s15 | 26n49 | 7s40 | 7n19 |

Julian Day Number = 2815112.5, Delta T = 54m22s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'30, Lahiri = 37°47'30


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# ASTRODIENST EPHEMERIS for the year 2995
# geocentric

## JULY 2995 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 37 47 | 10♋ 5'54 | 29♏ 3 | 17♊12 | 24♌ 4 | 19♋46 | 0♉ 0 | 20°R46 | 9°R 9 | 3°R29 | 0°R52 | 9°R59 | 11♒24 | 28♊29 | 20°R20 | W 1 |
| T 2 | 18 41 43 | 11° 3'15 | 14♐ 1 | 18° 7 | 24°50 | 20°26 | 0° 9 | 20♓46 | 9♑ 7 | 3♓28 | 0♑50 | 9♒55 | 11°21 | 28°36 | 20♒17 | T 2 |
| F 3 | 18 45 40 | 12° 0'35 | 29°11 | 19° 6 | 25°35 | 21° 6 | 0°18 | 20°46 | 9° 4 | 3°27 | 0°49 | 9°51 | 11°17 | 28°42 | 20°15 | F 3 |
| S 4 | 18 49 36 | 12°57'54 | 14♑24 | 20° 8 | 26°19 | 21°46 | 0°27 | 20°45 | 9° 2 | 3°26 | 0°47 | 9°48 | 11°14 | 28°49 | 20°12 | S 4 |
| S 5 | 18 53 33 | 13°55'12 | 29°29 | 21°14 | 27° 2 | 22°26 | 0°35 | 20°45 | 8°59 | 3°25 | 0°46 | 9°47 | 11°11 | 28°56 | 20°10 | S 5 |
| M 6 | 18 57 30 | 14°52'30 | 14♒19 | 22°24 | 27°45 | 23° 6 | 0°44 | 20°44 | 8°57 | 3°25 | 0°44 | 9°D47 | 11° 8 | 29° 2 | 20° 7 | M 6 |
| T 7 | 19 1 26 | 15°49'48 | 28°45 | 23°37 | 28°26 | 23°45 | 0°52 | 20°44 | 8°54 | 3°24 | 0°43 | 9°47 | 11° 5 | 29° 9 | 20° 5 | T 7 |
| W 8 | 19 5 23 | 16°47'05 | 12♓46 | 24°54 | 29° 6 | 24°25 | 1° 0 | 20°43 | 8°52 | 3°23 | 0°41 | 9°49 | 11° 2 | 29°16 | 20° 2 | W 8 |
| T 9 | 19 9 19 | 17°44'22 | 26°20 | 26°14 | 29°45 | 25° 5 | 1° 8 | 20°42 | 8°49 | 3°22 | 0°40 | 9°50 | 10°58 | 29°23 | 20° 0 | T 9 |
| F 10 | 19 13 16 | 18°41'39 | 9♈28 | 27°38 | 0♍24 | 25°45 | 1°16 | 20°42 | 8°47 | 3°21 | 0°38 | 9°51 | 10°55 | 29°29 | 19°57 | F 10 |
| S 11 | 19 17 12 | 19°38'56 | 22°14 | 29° 5 | 1° 0 | 26°25 | 1°24 | 20°41 | 8°45 | 3°20 | 0°37 | 9°R51 | 10°52 | 29°36 | 19°54 | S 11 |
| S 12 | 19 21 9 | 20°36'13 | 4♉40 | 0♋35 | 1°36 | 27° 4 | 1°32 | 20°40 | 8°42 | 3°19 | 0°35 | 9°51 | 10°49 | 29°43 | 19°51 | S 12 |
| M13 | 19 25 6 | 21°33'29 | 16°52 | 2° 9 | 2°10 | 27°44 | 1°39 | 20°38 | 8°40 | 3°17 | 0°34 | 9°49 | 10°46 | 29°49 | 19°49 | M13 |
| T 14 | 19 29 2 | 22°30'46 | 28°53 | 3°46 | 2°43 | 28°23 | 1°46 | 20°37 | 8°37 | 3°16 | 0°32 | 9°47 | 10°42 | 29°56 | 19°46 | T 14 |
| W15 | 19 32 59 | 23°28'03 | 10♊47 | 5°26 | 3°15 | 29° 3 | 1°54 | 20°36 | 8°35 | 3°15 | 0°31 | 9°45 | 10°39 | 0♋ 3 | 19°43 | W15 |
| T 16 | 19 36 55 | 24°25'20 | 22°37 | 7°10 | 3°46 | 29°43 | 2° 1 | 20°34 | 8°33 | 3°14 | 0°29 | 9°42 | 10°36 | 0° 9 | 19°40 | T 16 |
| F 17 | 19 40 52 | 25°22'36 | 4♋26 | 8°56 | 4°14 | 0♌22 | 2° 8 | 20°33 | 8°30 | 3°13 | 0°28 | 9°40 | 10°33 | 0°16 | 19°37 | F 17 |
| S 18 | 19 44 48 | 26°19'53 | 16°16 | 10°46 | 4°42 | 1° 2 | 2°14 | 20°31 | 8°28 | 3°12 | 0°27 | 9°39 | 10°30 | 0°23 | 19°34 | S 18 |
| S 19 | 19 48 45 | 27°17'09 | 28°11 | 12°38 | 5° 7 | 1°41 | 2°21 | 20°29 | 8°26 | 3°10 | 0°25 | 9°38 | 10°27 | 0°29 | 19°31 | S 19 |
| M20 | 19 52 41 | 28°14'26 | 10♌12 | 14°33 | 5°32 | 2°21 | 2°27 | 20°28 | 8°24 | 3° 9 | 0°24 | 9°D37 | 10°23 | 0°36 | 19°28 | M20 |
| T 21 | 19 56 38 | 29°11'42 | 22°20 | 16°31 | 5°54 | 3° 0 | 2°33 | 20°26 | 8°21 | 3° 8 | 0°22 | 9°38 | 10°20 | 0°43 | 19°25 | T 21 |
| W22 | 20 0 35 | 0♌ 8'58 | 4♍39 | 18°31 | 6°15 | 3°39 | 2°40 | 20°24 | 8°19 | 3° 7 | 0°21 | 9°38 | 10°17 | 0°49 | 19°22 | W22 |
| T 23 | 20 4 31 | 1° 6'14 | 17°10 | 20°33 | 6°33 | 4°19 | 2°45 | 20°22 | 8°17 | 3° 5 | 0°20 | 9°39 | 10°14 | 0°56 | 19°19 | T 23 |
| F 24 | 20 8 28 | 2° 3'29 | 29°55 | 22°37 | 6°50 | 4°58 | 2°51 | 20°20 | 8°15 | 3° 4 | 0°18 | 9°40 | 10°11 | 1° 3 | 19°15 | F 24 |
| S 25 | 20 12 24 | 3° 0'45 | 12♎57 | 24°42 | 7° 5 | 5°37 | 2°57 | 20°17 | 8°12 | 3° 3 | 0°17 | 9°40 | 10° 8 | 1° 9 | 19°12 | S 25 |
| S 26 | 20 16 21 | 3°58'00 | 26°19 | 26°49 | 7°18 | 6°17 | 3° 2 | 20°15 | 8°10 | 3° 1 | 0°16 | 9°41 | 10° 4 | 1°16 | 19° 9 | S 26 |
| M27 | 20 20 17 | 4°55'15 | 10♏ 0 | 28°57 | 7°29 | 6°56 | 3° 7 | 20°13 | 8° 8 | 3° 0 | 0°15 | 9°R41 | 10° 1 | 1°23 | 19° 6 | M27 |
| T 28 | 20 24 14 | 5°52'30 | 24° 3 | 1♌ 6 | 7°38 | 7°35 | 3°12 | 20°10 | 8° 6 | 2°59 | 0°13 | 9°41 | 9°58 | 1°29 | 19° 2 | T 28 |
| W29 | 20 28 10 | 6°49'45 | 8♐26 | 3°15 | 7°45 | 8°14 | 3°17 | 20° 7 | 8° 4 | 2°57 | 0°12 | 9°40 | 9°55 | 1°36 | 18°59 | W29 |
| T 30 | 20 32 7 | 7°47'00 | 23° 5 | 5°24 | 7°49 | 8°54 | 3°22 | 20° 5 | 8° 2 | 2°56 | 0°11 | 9°40 | 9°52 | 1°43 | 18°56 | T 30 |
| F 31 | 20 36 4 | 8♌44'15 | 7♑57 | 7♌34 | 7°R51 | 9♌33 | 3♉27 | 20♓ 2 | 8♑ 0 | 2♓54 | 0♑10 | 9♒40 | 9♒48 | 1♋49 | 18♒53 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n56 | 24s39 | 4s56 | 19n 5 | 3s38 | 14n44 | 1n23 | 22n50 | 0n58 | 10n18 | 1s11 | 5s14 | 1s44 | 23s17 | 0s17 | 10s26 | 0s16 | 13s35 | 9n43 | 17s39 | 17s16 | 26n49 | 7s41 | 7n19 |
| T 2 | 22 51 | 26 39 | 4 19 | 19 18 | 3 30 | 14 23 | 1 17 | 22 44 | 0 59 | 10 21 | 1 11 | 5 14 | 1 44 | 23 17 | 0 17 | 10 26 | 0 16 | 13 35 | 9 43 | 17 40 | 17 17 | 26 48 | 7 41 | 7 19 |
| F 3 | 22 46 | 26 43 | 3 25 | 19 31 | 3 22 | 14 2 | 1 11 | 22 38 | 0 59 | 10 24 | 1 12 | 5 15 | 1 44 | 23 17 | 0 17 | 10 26 | 0 16 | 13 35 | 9 43 | 17 41 | 17 18 | 26 48 | 7 41 | 7 20 |
| S 4 | 22 41 | 24 46 | 2 15 | 19 44 | 3 13 | 13 41 | 1 4 | 22 32 | 0 59 | 10 27 | 1 12 | 5 15 | 1 45 | 23 17 | 0 17 | 10 27 | 0 16 | 13 36 | 9 43 | 17 42 | 17 19 | 26 47 | 7 42 | 7 20 |
| S 5 | 22 35 | 21 4 | 0 56 | 19 58 | 3 4 | 13 20 | 0 58 | 22 26 | 0 59 | 10 29 | 1 12 | 5 15 | 1 45 | 23 17 | 0 17 | 10 27 | 0 16 | 13 36 | 9 43 | 17 42 | 17 20 | 26 46 | 7 42 | 7 20 |
| M 6 | 22 29 | 16 3 | 0n25 | 20 12 | 2 54 | 12 59 | 0 51 | 22 20 | 1 0 | 10 32 | 1 12 | 5 16 | 1 45 | 23 18 | 0 17 | 10 27 | 0 16 | 13 36 | 9 43 | 17 42 | 17 20 | 26 46 | 7 43 | 7 21 |
| T 7 | 22 23 | 10 14 | 1 43 | 20 26 | 2 43 | 12 38 | 0 44 | 22 13 | 1 0 | 10 35 | 1 13 | 5 16 | 1 45 | 23 18 | 0 17 | 10 28 | 0 16 | 13 36 | 9 42 | 17 42 | 17 21 | 26 45 | 7 43 | 7 21 |
| W 8 | 22 16 | 4 5 | 2 52 | 20 40 | 2 33 | 12 18 | 0 36 | 22 6 | 1 0 | 10 38 | 1 13 | 5 17 | 1 46 | 23 18 | 0 17 | 10 28 | 0 16 | 13 36 | 9 42 | 17 42 | 17 22 | 26 45 | 7 44 | 7 21 |
| T 9 | 22 9 | 2n 3 | 3 49 | 20 54 | 2 22 | 11 57 | 0 29 | 22 0 | 1 0 | 10 40 | 1 13 | 5 17 | 1 46 | 23 18 | 0 17 | 10 29 | 0 16 | 13 37 | 9 42 | 17 41 | 17 23 | 26 44 | 7 44 | 7 21 |
| F 10 | 22 1 | 7 54 | 4 32 | 21 7 | 2 10 | 11 36 | 0 21 | 21 52 | 1 1 | 10 43 | 1 13 | 5 18 | 1 46 | 23 18 | 0 17 | 10 29 | 0 16 | 13 37 | 9 42 | 17 41 | 17 24 | 26 43 | 7 45 | 7 22 |
| S 11 | 21 53 | 13 15 | 5 1 | 21 20 | 1 59 | 11 16 | 0 13 | 21 45 | 1 1 | 10 45 | 1 13 | 5 18 | 1 46 | 23 18 | 0 17 | 10 29 | 0 16 | 13 37 | 9 42 | 17 41 | 17 25 | 26 43 | 7 46 | 7 22 |
| S 12 | 21 45 | 17 56 | 5 14 | 21 32 | 1 47 | 10 55 | 0 4 | 21 38 | 1 1 | 10 47 | 1 14 | 5 19 | 1 46 | 23 19 | 0 17 | 10 30 | 0 16 | 13 37 | 9 41 | 17 41 | 17 26 | 26 42 | 7 46 | 7 22 |
| M13 | 21 36 | 21 47 | 5 13 | 21 43 | 1 35 | 10 35 | 0s 4 | 21 30 | 1 1 | 10 50 | 1 14 | 5 20 | 1 47 | 23 19 | 0 17 | 10 30 | 0 17 | 13 37 | 9 41 | 17 42 | 17 27 | 26 41 | 7 47 | 7 22 |
| T 14 | 21 27 | 24 39 | 4 58 | 21 53 | 1 22 | 10 15 | 0 13 | 21 23 | 1 2 | 10 52 | 1 14 | 5 20 | 1 47 | 23 19 | 0 17 | 10 31 | 0 17 | 13 38 | 9 41 | 17 42 | 17 27 | 26 41 | 7 48 | 7 23 |
| W15 | 21 17 | 26 24 | 4 31 | 22 2 | 1 10 | 9 55 | 0 22 | 21 15 | 1 2 | 10 54 | 1 14 | 5 21 | 1 47 | 23 19 | 0 17 | 10 31 | 0 17 | 13 38 | 9 41 | 17 43 | 17 28 | 26 40 | 7 48 | 7 23 |
| T 16 | 21 7 | 26 58 | 3 52 | 22 10 | 0 58 | 9 35 | 0 32 | 21 7 | 1 2 | 10 57 | 1 14 | 5 22 | 1 47 | 23 19 | 0 17 | 10 31 | 0 17 | 13 38 | 9 41 | 17 44 | 17 29 | 26 39 | 7 49 | 7 23 |
| F 17 | 20 57 | 26 17 | 3 3 | 22 16 | 0 45 | 9 16 | 0 41 | 20 59 | 1 2 | 10 59 | 1 15 | 5 23 | 1 48 | 23 19 | 0 17 | 10 32 | 0 17 | 13 38 | 9 40 | 17 44 | 17 30 | 26 39 | 7 50 | 7 23 |
| S 18 | 20 46 | 24 24 | 2 6 | 22 20 | 0 33 | 8 56 | 0 51 | 20 50 | 1 2 | 11 1 | 1 15 | 5 23 | 1 48 | 23 20 | 0 17 | 10 32 | 0 17 | 13 39 | 9 40 | 17 45 | 17 31 | 26 38 | 7 50 | 7 23 |
| S 19 | 20 35 | 21 27 | 1 3 | 22 22 | 0 21 | 8 37 | 1 2 | 20 42 | 1 3 | 11 3 | 1 15 | 5 24 | 1 48 | 23 20 | 0 17 | 10 33 | 0 17 | 13 39 | 9 40 | 17 45 | 17 32 | 26 37 | 7 51 | 7 24 |
| M20 | 20 24 | 17 33 | 0s 3 | 22 22 | 0 9 | 8 19 | 1 12 | 20 33 | 1 3 | 11 5 | 1 15 | 5 25 | 1 48 | 23 20 | 0 17 | 10 33 | 0 17 | 13 39 | 9 40 | 17 45 | 17 33 | 26 37 | 7 52 | 7 24 |
| T 21 | 20 13 | 12 53 | 1 10 | 22 20 | 0n 3 | 8 1 | 1 23 | 20 24 | 1 3 | 11 7 | 1 16 | 5 26 | 1 48 | 23 20 | 0 17 | 10 34 | 0 17 | 13 39 | 9 39 | 17 45 | 17 33 | 26 36 | 7 53 | 7 24 |
| W22 | 20 1 | 7 40 | 2 14 | 22 16 | 0 14 | 7 43 | 1 34 | 20 15 | 1 3 | 11 8 | 1 16 | 5 27 | 1 49 | 23 20 | 0 17 | 10 34 | 0 17 | 13 40 | 9 39 | 17 45 | 17 34 | 26 35 | 7 53 | 7 24 |
| T 23 | 19 48 | 2 4 | 3 13 | 22 9 | 0 25 | 7 25 | 1 45 | 20 6 | 1 3 | 11 10 | 1 16 | 5 28 | 1 49 | 23 20 | 0 17 | 10 35 | 0 17 | 13 40 | 9 39 | 17 44 | 17 35 | 26 34 | 7 54 | 7 24 |
| F 24 | 19 36 | 3s42 | 4 4 | 22 0 | 0 35 | 7 8 | 1 57 | 19 57 | 1 4 | 11 12 | 1 16 | 5 29 | 1 49 | 23 20 | 0 17 | 10 35 | 0 17 | 13 40 | 9 39 | 17 44 | 17 36 | 26 34 | 7 55 | 7 24 |
| S 25 | 19 23 | 9 27 | 4 44 | 21 48 | 0 45 | 6 52 | 2 9 | 19 48 | 1 4 | 11 14 | 1 17 | 5 30 | 1 49 | 23 21 | 0 17 | 10 36 | 0 17 | 13 40 | 9 38 | 17 44 | 17 37 | 26 33 | 7 56 | 7 24 |
| S 26 | 19 10 | 14 54 | 5 9 | 21 34 | 0 54 | 6 36 | 2 21 | 19 38 | 1 4 | 11 15 | 1 17 | 5 31 | 1 49 | 23 21 | 0 17 | 10 36 | 0 17 | 13 41 | 9 38 | 17 44 | 17 38 | 26 32 | 7 57 | 7 25 |
| M27 | 18 56 | 19 45 | 5 17 | 21 17 | 1 2 | 6 20 | 2 33 | 19 29 | 1 4 | 11 17 | 1 17 | 5 32 | 1 50 | 23 21 | 0 17 | 10 37 | 0 17 | 13 41 | 9 38 | 17 44 | 17 39 | 26 31 | 7 58 | 7 25 |
| T 28 | 18 42 | 23 39 | 5 7 | 20 57 | 1 10 | 6 5 | 2 46 | 19 19 | 1 4 | 11 18 | 1 17 | 5 34 | 1 50 | 23 21 | 0 17 | 10 37 | 0 17 | 13 41 | 9 37 | 17 44 | 17 39 | 26 31 | 7 59 | 7 25 |
| W29 | 18 28 | 26 10 | 4 38 | 20 35 | 1 17 | 5 51 | 2 59 | 19 9 | 1 5 | 11 20 | 1 18 | 5 35 | 1 50 | 23 21 | 0 17 | 10 38 | 0 17 | 13 42 | 9 37 | 17 44 | 17 40 | 26 30 | 8 0 | 7 25 |
| T 30 | 18 14 | 26 58 | 3 51 | 20 10 | 1 24 | 5 37 | 3 12 | 18 59 | 1 5 | 11 21 | 1 18 | 5 36 | 1 50 | 23 21 | 0 17 | 10 38 | 0 17 | 13 42 | 9 37 | 17 44 | 17 41 | 26 29 | 8 0 | 7 25 |
| F 31 | 17n59 | 25s51 | 2s47 | 19n43 | 1n29 | 5n24 | 3s25 | 18n49 | 1n 5 | 11n22 | 1s18 | 5s37 | 1s50 | 23s21 | 0s17 | 10s39 | 0s17 | 13s42 | 9n37 | 17s44 | 17s42 | 26n28 | 8s 1 | 7n25 |

Julian Day Number = 2815142.5, Delta T = 54m23s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'34, Lahiri = 37°47'34


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# ASTRODIENST EPHEMERIS for the year 2995
# geocentric

## AUGUST 2995 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 40 0 | 9♌41'31 | 22♑54 | 9♌42 | 7°R51 | 10♌12 | 3♉31 | 19°R59 | 7°R58 | 2°R53 | 0°R 9 | 9°D40 | 9♒45 | 1♋56 | 18°R49 | S 1 |
| S 2 | 20 43 57 | 10°38'46 | 7♒47 | 11°50 | 7♏49 | 10°51 | 3°35 | 19♓56 | 7♑56 | 2♓51 | 0♑ 8 | 9°R40 | 9°42 | 2° 3 | 18♒46 | S 2 |
| M 3 | 20 47 53 | 11°36'02 | 22°31 | 13°58 | 7°44 | 11°30 | 3°39 | 19°53 | 7°54 | 2°50 | 0° 6 | 9♒40 | 9°39 | 2° 9 | 18°43 | M 3 |
| T 4 | 20 51 50 | 12°33'17 | 6♓57 | 16° 4 | 7°36 | 12° 9 | 3°43 | 19°50 | 7°52 | 2°48 | 0° 5 | 9°40 | 9°36 | 2°16 | 18°39 | T 4 |
| W 5 | 20 55 46 | 13°30'34 | 21° 1 | 18° 9 | 7°27 | 12°48 | 3°47 | 19°47 | 7°50 | 2°47 | 0° 4 | 9°39 | 9°33 | 2°23 | 18°36 | W 5 |
| T 6 | 20 59 43 | 14°27'51 | 4♈40 | 20°13 | 7°14 | 13°27 | 3°50 | 19°44 | 7°49 | 2°45 | 0° 3 | 9°39 | 9°29 | 2°29 | 18°32 | T 6 |
| F 7 | 21 3 39 | 15°25'09 | 17°53 | 22°15 | 7° 0 | 14° 6 | 3°54 | 19°41 | 7°47 | 2°44 | 0° 2 | 9°38 | 9°26 | 2°36 | 18°29 | F 7 |
| S 8 | 21 7 36 | 16°22'27 | 0♉43 | 24°16 | 6°43 | 14°45 | 3°57 | 19°37 | 7°45 | 2°42 | 0° 1 | 9°38 | 9°23 | 2°43 | 18°26 | S 8 |
| S 9 | 21 11 33 | 17°19'47 | 13°13 | 26°16 | 6°24 | 15°24 | 4° 0 | 19°34 | 7°43 | 2°41 | 0° 0 | 9°D38 | 9°20 | 2°49 | 18°22 | S 9 |
| M10 | 21 15 29 | 18°17'07 | 25°25 | 28°13 | 6° 3 | 16° 3 | 4° 2 | 19°31 | 7°42 | 2°39 | 29♐59 | 9°38 | 9°17 | 2°56 | 18°19 | M10 |
| T 11 | 21 19 26 | 19°14'28 | 7♊26 | 0♍10 | 5°39 | 16°42 | 4° 5 | 19°27 | 7°40 | 2°38 | 29°59 | 9°38 | 9°14 | 3° 3 | 18°16 | T 11 |
| W12 | 21 23 22 | 20°11'50 | 19°18 | 2° 4 | 5°14 | 17°20 | 4° 7 | 19°23 | 7°38 | 2°36 | 29°58 | 9°39 | 9°10 | 3°10 | 18°12 | W12 |
| T 13 | 21 27 19 | 21° 9'13 | 1♋ 7 | 3°57 | 4°46 | 17°59 | 4°10 | 19°20 | 7°37 | 2°34 | 29°57 | 9°40 | 9° 7 | 3°16 | 18° 9 | T 13 |
| F 14 | 21 31 15 | 22° 6'37 | 12°57 | 5°48 | 4°17 | 18°38 | 4°12 | 19°16 | 7°35 | 2°33 | 29°56 | 9°41 | 9° 4 | 3°23 | 18° 5 | F 14 |
| S 15 | 21 35 12 | 23° 4'01 | 24°52 | 7°37 | 3°46 | 19°17 | 4°13 | 19°12 | 7°34 | 2°31 | 29°55 | 9°42 | 9° 1 | 3°30 | 18° 2 | S 15 |
| S 16 | 21 39 8 | 24° 1'27 | 6♌54 | 9°25 | 3°13 | 19°56 | 4°15 | 19° 8 | 7°32 | 2°30 | 29°54 | 9°R43 | 8°58 | 3°36 | 17°59 | S 16 |
| M17 | 21 43 5 | 24°58'53 | 19° 5 | 11°11 | 2°39 | 20°34 | 4°16 | 19° 5 | 7°31 | 2°28 | 29°54 | 9°42 | 8°54 | 3°43 | 17°55 | M17 |
| T 18 | 21 47 2 | 25°56'20 | 1♍28 | 12°56 | 2° 4 | 21°13 | 4°17 | 19° 1 | 7°30 | 2°26 | 29°53 | 9°41 | 8°51 | 3°50 | 17°52 | T 18 |
| W19 | 21 50 58 | 26°53'48 | 14° 5 | 14°38 | 1°29 | 21°52 | 4°18 | 18°57 | 7°28 | 2°25 | 29°52 | 9°40 | 8°48 | 3°56 | 17°49 | W19 |
| T 20 | 21 54 55 | 27°51'17 | 26°54 | 16°20 | 0°52 | 22°30 | 4°19 | 18°53 | 7°27 | 2°23 | 29°52 | 9°37 | 8°45 | 4° 3 | 17°45 | T 20 |
| F 21 | 21 58 51 | 28°48'46 | 9♎58 | 17°59 | 0°15 | 23° 9 | 4°20 | 18°48 | 7°26 | 2°21 | 29°51 | 9°34 | 8°42 | 4°10 | 17°42 | F 21 |
| S 22 | 22 2 48 | 29°46'16 | 23°16 | 19°37 | 29♌37 | 23°48 | 4°20 | 18°44 | 7°25 | 2°20 | 29°50 | 9°32 | 8°39 | 4°16 | 17°39 | S 22 |
| S 23 | 22 6 44 | 0♍43'47 | 6♏47 | 21°13 | 29° 0 | 24°26 | 4°20 | 18°40 | 7°23 | 2°18 | 29°50 | 9°30 | 8°35 | 4°23 | 17°36 | S 23 |
| M24 | 22 10 41 | 1°41'19 | 20°33 | 22°48 | 28°23 | 25° 5 | 4°R20 | 18°36 | 7°22 | 2°17 | 29°49 | 9°28 | 8°32 | 4°30 | 17°32 | M24 |
| T 25 | 22 14 37 | 2°38'51 | 4♐31 | 24°21 | 27°46 | 25°44 | 4°20 | 18°32 | 7°21 | 2°15 | 29°49 | 9°D28 | 8°29 | 4°36 | 17°29 | T 25 |
| W26 | 22 18 34 | 3°36'24 | 18°42 | 25°52 | 27°10 | 26°22 | 4°20 | 18°27 | 7°20 | 2°13 | 29°48 | 9°29 | 8°26 | 4°43 | 17°26 | W26 |
| T 27 | 22 22 31 | 4°33'58 | 3♑ 2 | 27°22 | 26°35 | 27° 1 | 4°19 | 18°23 | 7°19 | 2°12 | 29°48 | 9°30 | 8°23 | 4°50 | 17°23 | T 27 |
| F 28 | 22 26 27 | 5°31'33 | 17°31 | 28°50 | 26° 1 | 27°39 | 4°19 | 18°19 | 7°18 | 2°10 | 29°47 | 9°31 | 8°20 | 4°56 | 17°20 | F 28 |
| S 29 | 22 30 24 | 6°29'08 | 2♒ 3 | 0♎17 | 25°28 | 28°18 | 4°18 | 18°14 | 7°17 | 2° 8 | 29°47 | 9°32 | 8°16 | 5° 3 | 17°17 | S 29 |
| S 30 | 22 34 20 | 7°26'45 | 16°34 | 1°41 | 24°57 | 28°56 | 4°16 | 18°10 | 7°17 | 2° 7 | 29°47 | 9°R32 | 8°13 | 5°10 | 17°13 | S 30 |
| M31 | 22 38 17 | 8♍24'22 | 0♓59 | 3♎ 4 | 24♌28 | 29♌35 | 4♉15 | 18♓ 6 | 7♑16 | 2♓ 5 | 29♐46 | 9♒31 | 8♒10 | 5♋16 | 17♒10 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 17n44 | 22s53 | 1s32 | 19n14 | 1n34 | 5n12 | 3s38 | 18n38 | 1n 5 | 11n24 | 1s18 | 5s39 | 1s51 | 23s21 | 0s17 | 10s39 | 0s17 | 13s42 | 9n36 | 17s44 | 17s43 | 26n27 | 8s 2 | 7n25 | |
| S 2 | 17 28 | 18 24 | 0 10 | 18 43 | 1 38 | 5 0 | 3 52 | 18 28 | 1 5 | 11 25 | 1 19 | 5 40 | 1 51 | 23 22 | 0 17 | 10 40 | 0 17 | 13 43 | 9 36 | 17 44 | 17 44 | 26 27 | 8 3 | 7 25 | |
| M 3 | 17 13 | 12 49 | 1n11 | 18 10 | 1 41 | 4 50 | 4 5 | 18 17 | 1 6 | 11 26 | 1 19 | 5 41 | 1 51 | 23 22 | 0 17 | 10 40 | 0 17 | 13 43 | 9 36 | 17 44 | 17 44 | 26 26 | 8 4 | 7 25 | |
| T 4 | 16 57 | 6 39 | 2 26 | 17 35 | 1 44 | 4 40 | 4 19 | 18 7 | 1 6 | 11 27 | 1 19 | 5 43 | 1 51 | 23 22 | 0 17 | 10 41 | 0 17 | 13 43 | 9 35 | 17 44 | 17 45 | 26 25 | 8 5 | 7 25 | |
| W 5 | 16 41 | 0 19 | 3 30 | 16 59 | 1 46 | 4 31 | 4 32 | 17 56 | 1 6 | 11 28 | 1 19 | 5 44 | 1 51 | 23 22 | 0 17 | 10 41 | 0 17 | 13 44 | 9 35 | 17 44 | 17 46 | 26 24 | 8 6 | 7 25 | |
| T 6 | 16 24 | 5n50 | 4 20 | 16 21 | 1 46 | 4 22 | 4 46 | 17 45 | 1 6 | 11 29 | 1 20 | 5 45 | 1 52 | 23 22 | 0 17 | 10 42 | 0 17 | 13 44 | 9 35 | 17 44 | 17 47 | 26 23 | 8 7 | 7 25 | |
| F 7 | 16 8 | 11 31 | 4 55 | 15 42 | 1 47 | 4 15 | 5 0 | 17 34 | 1 6 | 11 30 | 1 20 | 5 47 | 1 52 | 23 22 | 0 17 | 10 43 | 0 17 | 13 44 | 9 34 | 17 45 | 17 48 | 26 23 | 8 8 | 7 25 | |
| S 8 | 15 51 | 16 33 | 5 13 | 15 2 | 1 46 | 4 8 | 5 13 | 17 23 | 1 6 | 11 31 | 1 20 | 5 48 | 1 52 | 23 22 | 0 17 | 10 43 | 0 17 | 13 45 | 9 34 | 17 45 | 17 49 | 26 22 | 8 9 | 7 25 | |
| S 9 | 15 34 | 20 45 | 5 17 | 14 21 | 1 45 | 4 3 | 5 27 | 17 12 | 1 6 | 11 31 | 1 20 | 5 50 | 1 52 | 23 22 | 0 17 | 10 44 | 0 17 | 13 45 | 9 34 | 17 45 | 17 49 | 26 21 | 8 10 | 7 25 | |
| M10 | 15 16 | 23 57 | 5 5 | 13 39 | 1 43 | 3 58 | 5 40 | 17 0 | 1 7 | 11 32 | 1 21 | 5 51 | 1 52 | 23 22 | 0 17 | 10 44 | 0 17 | 13 45 | 9 33 | 17 45 | 17 50 | 26 20 | 8 11 | 7 25 | |
| T 11 | 14 58 | 26 3 | 4 41 | 12 56 | 1 41 | 3 55 | 5 53 | 16 49 | 1 7 | 11 33 | 1 21 | 5 53 | 1 52 | 23 23 | 0 17 | 10 45 | 0 17 | 13 46 | 9 33 | 17 45 | 17 51 | 26 19 | 8 12 | 7 25 | |
| W12 | 14 40 | 26 57 | 4 4 | 12 13 | 1 38 | 3 52 | 6 5 | 16 37 | 1 7 | 11 33 | 1 21 | 5 54 | 1 53 | 23 23 | 0 17 | 10 45 | 0 17 | 13 46 | 9 33 | 17 44 | 17 52 | 26 18 | 8 13 | 7 25 | |
| T 13 | 14 22 | 26 36 | 3 18 | 11 29 | 1 35 | 3 51 | 6 18 | 16 25 | 1 7 | 11 34 | 1 21 | 5 56 | 1 53 | 23 23 | 0 17 | 10 46 | 0 17 | 13 46 | 9 32 | 17 44 | 17 53 | 26 17 | 8 15 | 7 25 | |
| F 14 | 14 4 | 25 3 | 2 23 | 10 44 | 1 31 | 3 50 | 6 29 | 16 13 | 1 7 | 11 34 | 1 22 | 5 58 | 1 53 | 23 23 | 0 17 | 10 47 | 0 17 | 13 47 | 9 32 | 17 44 | 17 54 | 26 16 | 8 16 | 7 25 | |
| S 15 | 13 45 | 22 22 | 1 21 | 10 0 | 1 26 | 3 50 | 6 41 | 16 2 | 1 7 | 11 34 | 1 22 | 5 59 | 1 53 | 23 23 | 0 17 | 10 47 | 0 17 | 13 47 | 9 32 | 17 44 | 17 54 | 26 16 | 8 17 | 7 25 | |
| S 16 | 13 27 | 18 42 | 0 16 | 9 15 | 1 21 | 3 52 | 6 52 | 15 50 | 1 7 | 11 35 | 1 22 | 6 1 | 1 53 | 23 23 | 0 17 | 10 48 | 0 17 | 13 47 | 9 31 | 17 43 | 17 55 | 26 15 | 8 18 | 7 24 | |
| M17 | 13 8 | 14 12 | 0s52 | 8 30 | 1 16 | 3 54 | 7 2 | 15 37 | 1 8 | 11 35 | 1 22 | 6 3 | 1 53 | 23 23 | 0 17 | 10 48 | 0 17 | 13 48 | 9 31 | 17 44 | 17 56 | 26 14 | 8 19 | 7 24 | |
| T 18 | 12 48 | 9 4 | 1 57 | 7 45 | 1 10 | 3 57 | 7 12 | 15 25 | 1 8 | 11 35 | 1 23 | 6 4 | 1 54 | 23 23 | 0 17 | 10 49 | 0 17 | 13 48 | 9 31 | 17 44 | 17 57 | 26 13 | 8 20 | 7 24 | |
| W19 | 12 29 | 3 29 | 2 59 | 7 0 | 1 4 | 4 1 | 7 20 | 15 13 | 1 8 | 11 35 | 1 23 | 6 6 | 1 54 | 23 23 | 0 17 | 10 50 | 0 17 | 13 49 | 9 30 | 17 44 | 17 58 | 26 12 | 8 21 | 7 24 | |
| T 20 | 12 9 | 2s19 | 3 52 | 6 15 | 0 57 | 4 6 | 7 29 | 15 0 | 1 8 | 11 35 | 1 23 | 6 8 | 1 54 | 23 23 | 0 17 | 10 50 | 0 17 | 13 49 | 9 30 | 17 45 | 17 59 | 26 11 | 8 22 | 7 24 | |
| F 21 | 11 50 | 8 8 | 4 34 | 5 30 | 0 51 | 4 12 | 7 36 | 14 48 | 1 8 | 11 35 | 1 23 | 6 9 | 1 54 | 23 23 | 0 17 | 10 51 | 0 17 | 13 49 | 9 29 | 17 46 | 17 59 | 26 10 | 8 23 | 7 24 | |
| S 22 | 11 30 | 13 40 | 5 2 | 4 45 | 0 43 | 4 18 | 7 43 | 14 35 | 1 8 | 11 35 | 1 24 | 6 11 | 1 54 | 23 23 | 0 17 | 10 51 | 0 17 | 13 50 | 9 29 | 17 46 | 18 0 | 26 9 | 8 24 | 7 24 | |
| S 23 | 11 9 | 18 39 | 5 14 | 4 1 | 0 36 | 4 25 | 7 49 | 14 23 | 1 8 | 11 35 | 1 24 | 6 13 | 1 54 | 23 23 | 0 17 | 10 52 | 0 17 | 13 50 | 9 29 | 17 47 | 18 1 | 26 8 | 8 26 | 7 23 | |
| M24 | 10 49 | 22 45 | 5 9 | 3 17 | 0 28 | 4 33 | 7 54 | 14 10 | 1 8 | 11 35 | 1 24 | 6 15 | 1 54 | 23 23 | 0 17 | 10 52 | 0 17 | 13 50 | 9 28 | 17 47 | 18 2 | 26 7 | 8 27 | 7 23 | |
| T 25 | 10 29 | 25 36 | 4 45 | 2 33 | 0 20 | 4 42 | 7 58 | 13 57 | 1 8 | 11 34 | 1 24 | 6 16 | 1 55 | 23 24 | 0 17 | 10 53 | 0 17 | 13 51 | 9 28 | 17 47 | 18 3 | 26 6 | 8 28 | 7 23 | |
| W26 | 10 8 | 26 53 | 4 4 | 1 49 | 0 12 | 4 51 | 8 1 | 13 44 | 1 8 | 11 34 | 1 25 | 6 18 | 1 55 | 23 24 | 0 17 | 10 54 | 0 17 | 13 51 | 9 28 | 17 47 | 18 4 | 26 5 | 8 29 | 7 23 | |
| T 27 | 9 47 | 26 24 | 3 7 | 1 6 | 0 4 | 5 0 | 8 3 | 13 31 | 1 9 | 11 34 | 1 25 | 6 20 | 1 55 | 23 24 | 0 17 | 10 54 | 0 17 | 13 52 | 9 27 | 17 47 | 18 4 | 26 4 | 8 30 | 7 23 | |
| F 28 | 9 26 | 24 7 | 1 58 | 0 23 | 0s 5 | 5 10 | 8 5 | 13 18 | 1 9 | 11 33 | 1 25 | 6 22 | 1 55 | 23 24 | 0 17 | 10 55 | 0 17 | 13 52 | 9 27 | 17 46 | 18 5 | 26 3 | 8 31 | 7 22 | |
| S 29 | 9 5 | 20 16 | 0 41 | 0s19 | 0 14 | 5 20 | 8 5 | 13 5 | 1 9 | 11 32 | 1 25 | 6 23 | 1 55 | 23 24 | 0 17 | 10 55 | 0 17 | 13 52 | 9 26 | 17 46 | 18 6 | 26 2 | 8 32 | 7 22 | |
| S 30 | 8 44 | 15 11 | 0n39 | 1 1 | 0 23 | 5 30 | 8 5 | 12 52 | 1 9 | 11 32 | 1 26 | 6 25 | 1 55 | 23 24 | 0 17 | 10 56 | 0 17 | 13 53 | 9 26 | 17 46 | 18 7 | 26 1 | 8 33 | 7 22 | |
| M31 | 8n22 | 9s17 | 1n55 | 1s42 | 0s32 | 5n40 | 8s 4 | 12n38 | 1n 9 | 11n31 | 1s26 | 6s27 | 1s55 | 23s24 | 0s17 | 10s57 | 0s17 | 13s53 | 9n26 | 17s47 | 18s 8 | 26n 0 | 8s35 | 7n22 | |

Julian Day Number = 2815173.5, Delta T = 54m23s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'38, Lahiri = 37°47'39


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# ASTRODIENST EPHEMERIS for the year 2995
# geocentric

## SEPTEMBER 2995 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 42 13 | 9♍22'01 | 15♓11 | 4♎26 | 24°R 0 | 0♍13 | 4°R13 | 18°R 1 | 7°R15 | 2°R 4 | 29°R46 | 9°R28 | 8♒ 7 | 5♋23 | 17°R 7 | T 1 |
| W 2 | 22 46 10 | 10°19'40 | 29° 7 | 5°45 | 23♌34 | 0°51 | 4♉12 | 17♓57 | 7♊14 | 2♓ 2 | 29♐46 | 9♒24 | 8° 4 | 5°30 | 17♒ 4 | W 2 |
| T 3 | 22 50 6 | 11°17'21 | 12♈42 | 7° 3 | 23°11 | 1°30 | 4°10 | 17°52 | 7°14 | 2° 0 | 29°45 | 9°19 | 8° 0 | 5°36 | 17° 1 | T 3 |
| F 4 | 22 54 3 | 12°15'04 | 25°56 | 8°19 | 22°49 | 2° 8 | 4° 8 | 17°48 | 7°13 | 1°59 | 29°45 | 9°14 | 7°57 | 5°43 | 16°58 | F 4 |
| S 5 | 22 58 0 | 13°12'48 | 8♉47 | 9°33 | 22°30 | 2°47 | 4° 5 | 17°43 | 7°13 | 1°57 | 29°45 | 9° 9 | 7°54 | 5°50 | 16°56 | S 5 |
| S 6 | 23 1 56 | 14°10'33 | 21°18 | 10°45 | 22°14 | 3°25 | 4° 3 | 17°39 | 7°12 | 1°56 | 29°45 | 9° 6 | 7°51 | 5°56 | 16°53 | S 6 |
| M 7 | 23 5 53 | 15° 8'21 | 3♊32 | 11°55 | 21°59 | 4° 3 | 4° 0 | 17°34 | 7°12 | 1°54 | 29°45 | 9° 4 | 7°48 | 6° 3 | 16°50 | M 7 |
| T 8 | 23 9 49 | 16° 6'10 | 15°33 | 13° 3 | 21°47 | 4°42 | 3°57 | 17°30 | 7°11 | 1°52 | 29°45 | 9°D 3 | 7°45 | 6°10 | 16°47 | T 8 |
| W 9 | 23 13 46 | 17° 4'00 | 27°25 | 14° 8 | 21°38 | 5°20 | 3°54 | 17°25 | 7°11 | 1°51 | 29°45 | 9° 3 | 7°41 | 6°16 | 16°44 | W 9 |
| T 10 | 23 17 42 | 18° 1'52 | 9♋15 | 15°12 | 21°31 | 5°58 | 3°50 | 17°21 | 7°11 | 1°49 | 29°D45 | 9° 5 | 7°38 | 6°23 | 16°42 | T 10 |
| F 11 | 23 21 39 | 18°59'46 | 21° 6 | 16°12 | 21°26 | 6°37 | 3°47 | 17°16 | 7°10 | 1°48 | 29°45 | 9° 6 | 7°35 | 6°30 | 16°39 | F 11 |
| S 12 | 23 25 35 | 19°57'42 | 3♌ 4 | 17°11 | 21°D24 | 7°15 | 3°43 | 17°12 | 7°10 | 1°46 | 29°45 | 9°R 7 | 7°32 | 6°36 | 16°36 | S 12 |
| S 13 | 23 29 32 | 20°55'39 | 15°12 | 18° 6 | 21°24 | 7°53 | 3°39 | 17° 7 | 7°10 | 1°45 | 29°45 | 9° 7 | 7°29 | 6°43 | 16°34 | S 13 |
| M14 | 23 33 29 | 21°53'38 | 27°35 | 18°59 | 21°26 | 8°31 | 3°35 | 17° 3 | 7°10 | 1°43 | 29°45 | 9° 6 | 7°26 | 6°50 | 16°31 | M14 |
| T 15 | 23 37 25 | 22°51'38 | 10♍13 | 19°48 | 21°31 | 9°10 | 3°31 | 16°58 | 7°D10 | 1°42 | 29°45 | 9° 2 | 7°22 | 6°56 | 16°29 | T 15 |
| W16 | 23 41 22 | 23°49'40 | 23° 9 | 20°34 | 21°37 | 9°48 | 3°27 | 16°54 | 7°10 | 1°40 | 29°45 | 8°56 | 7°19 | 7° 3 | 16°27 | W16 |
| T 17 | 23 45 18 | 24°47'44 | 6♎22 | 21°17 | 21°47 | 10°26 | 3°22 | 16°49 | 7°10 | 1°39 | 29°46 | 8°49 | 7°16 | 7°10 | 16°24 | T 17 |
| F 18 | 23 49 15 | 25°45'49 | 19°50 | 21°56 | 21°58 | 11° 4 | 3°17 | 16°45 | 7°10 | 1°37 | 29°46 | 8°42 | 7°13 | 7°16 | 16°22 | F 18 |
| S 19 | 23 53 11 | 26°43'55 | 3♏31 | 22°31 | 22°11 | 11°42 | 3°12 | 16°40 | 7°10 | 1°36 | 29°46 | 8°34 | 7°10 | 7°23 | 16°20 | S 19 |
| S 20 | 23 57 8 | 27°42'03 | 17°23 | 23° 2 | 22°26 | 12°21 | 3° 7 | 16°36 | 7°11 | 1°34 | 29°46 | 8°27 | 7° 6 | 7°30 | 16°17 | S 20 |
| M21 | 0 1 4 | 28°40'13 | 1♐23 | 23°28 | 22°43 | 12°59 | 3° 2 | 16°31 | 7°11 | 1°33 | 29°47 | 8°22 | 7° 3 | 7°36 | 16°15 | M21 |
| T 22 | 0 5 1 | 29°38'24 | 15°27 | 23°50 | 23° 2 | 13°37 | 2°57 | 16°27 | 7°11 | 1°32 | 29°47 | 8°19 | 7° 0 | 7°43 | 16°13 | T 22 |
| W23 | 0 8 57 | 0♎36'36 | 29°35 | 24° 6 | 23°23 | 14°15 | 2°51 | 16°23 | 7°12 | 1°30 | 29°48 | 8°D18 | 6°57 | 7°50 | 16°11 | W23 |
| T 24 | 0 12 54 | 1°34'50 | 13♑44 | 24°17 | 23°46 | 14°53 | 2°45 | 16°18 | 7°12 | 1°29 | 29°48 | 8°19 | 6°54 | 7°56 | 16° 9 | T 24 |
| F 25 | 0 16 51 | 2°33'05 | 27°54 | 24°R22 | 24°11 | 15°31 | 2°39 | 16°14 | 7°12 | 1°27 | 29°48 | 8°20 | 6°51 | 8° 3 | 16° 7 | F 25 |
| S 26 | 0 20 47 | 3°31'22 | 12♒ 2 | 24°21 | 24°37 | 16° 9 | 2°33 | 16°10 | 7°13 | 1°26 | 29°49 | 8°R20 | 6°47 | 8°10 | 16° 5 | S 26 |
| S 27 | 0 24 44 | 4°29'40 | 26° 7 | 24°14 | 25° 4 | 16°47 | 2°27 | 16° 6 | 7°14 | 1°25 | 29°50 | 8°19 | 6°44 | 8°16 | 16° 4 | S 27 |
| M28 | 0 28 40 | 5°27'59 | 10♓ 6 | 24° 0 | 25°34 | 17°25 | 2°21 | 16° 2 | 7°14 | 1°24 | 29°50 | 8°15 | 6°41 | 8°23 | 16° 2 | M28 |
| T 29 | 0 32 37 | 6°26'20 | 23°56 | 23°40 | 26° 4 | 18° 3 | 2°15 | 15°58 | 7°15 | 1°22 | 29°51 | 8° 9 | 6°38 | 8°29 | 16° 0 | T 29 |
| W30 | 0 36 33 | 7♎24'43 | 7♈33 | 23♎13 | 26♌36 | 18♍41 | 2♉ 8 | 15♓53 | 7♊16 | 1♓21 | 29♐51 | 8♒ 0 | 6♒35 | 8♋36 | 15♒59 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 8n 1 | 3s 0 | 3n 3 | 2s23 | 0s41 | 5n51 | 8s 2 | 12n25 | 1n 9 | 11n30 | 1s26 | 6s29 | 1s55 | 23s24 | 0s17 | 10s57 | 0s17 | 13s53 | 9n25 | 17s47 | 18s 8 | 25n59 | 8s36 | 7n21 |
| W 2 | 7 39 | 3n18 | 3 59 | 3 3 | 0 50 | 6 2 | 8 0 | 12 11 | 1 9 | 11 30 | 1 26 | 6 31 | 1 55 | 23 24 | 0 17 | 10 58 | 0 17 | 13 54 | 9 25 | 17 48 | 18 9 | 25 58 | 8 37 | 7 21 |
| T 3 | 7 18 | 9 17 | 4 39 | 3 42 | 1 0 | 6 12 | 7 57 | 11 58 | 1 9 | 11 29 | 1 27 | 6 33 | 1 55 | 23 24 | 0 17 | 10 58 | 0 17 | 13 54 | 9 24 | 17 50 | 18 10 | 25 57 | 8 38 | 7 21 |
| F 4 | 6 56 | 14 41 | 5 4 | 4 21 | 1 9 | 6 22 | 7 53 | 11 44 | 1 9 | 11 28 | 1 27 | 6 34 | 1 56 | 23 24 | 0 17 | 10 59 | 0 17 | 13 55 | 9 24 | 17 51 | 18 11 | 25 56 | 8 39 | 7 21 |
| S 5 | 6 34 | 19 16 | 5 12 | 4 58 | 1 19 | 6 33 | 7 48 | 11 30 | 1 9 | 11 27 | 1 27 | 6 36 | 1 56 | 23 24 | 0 17 | 11 0 | 0 17 | 13 55 | 9 24 | 17 52 | 18 12 | 25 55 | 8 40 | 7 20 |
| S 6 | 6 12 | 22 53 | 5 5 | 5 35 | 1 28 | 6 43 | 7 43 | 11 17 | 1 9 | 11 26 | 1 27 | 6 38 | 1 56 | 23 24 | 0 17 | 11 0 | 0 17 | 13 55 | 9 23 | 17 53 | 18 13 | 25 54 | 8 41 | 7 20 |
| M 7 | 5 50 | 25 24 | 4 44 | 6 12 | 1 38 | 6 52 | 7 38 | 11 3 | 1 9 | 11 25 | 1 28 | 6 40 | 1 56 | 23 24 | 0 17 | 11 1 | 0 17 | 13 56 | 9 23 | 17 54 | 18 13 | 25 53 | 8 42 | 7 20 |
| T 8 | 5 27 | 26 42 | 4 11 | 6 47 | 1 48 | 7 2 | 7 31 | 10 49 | 1 9 | 11 23 | 1 28 | 6 42 | 1 56 | 23 24 | 0 17 | 11 1 | 0 17 | 13 56 | 9 22 | 17 54 | 18 14 | 25 52 | 8 44 | 7 19 |
| W 9 | 5 5 | 26 45 | 3 28 | 7 21 | 1 57 | 7 11 | 7 25 | 10 35 | 1 10 | 11 22 | 1 28 | 6 43 | 1 56 | 23 24 | 0 17 | 11 2 | 0 17 | 13 57 | 9 22 | 17 54 | 18 15 | 25 51 | 8 45 | 7 19 |
| T 10 | 4 42 | 25 35 | 2 35 | 7 54 | 2 7 | 7 20 | 7 18 | 10 21 | 1 10 | 11 21 | 1 28 | 6 45 | 1 56 | 23 24 | 0 17 | 11 2 | 0 17 | 13 57 | 9 22 | 17 53 | 18 16 | 25 50 | 8 46 | 7 19 |
| F 11 | 4 20 | 23 15 | 1 36 | 8 26 | 2 16 | 7 28 | 7 11 | 10 7 | 1 10 | 11 19 | 1 28 | 6 47 | 1 56 | 23 24 | 0 17 | 11 3 | 0 17 | 13 57 | 9 21 | 17 53 | 18 17 | 25 49 | 8 47 | 7 18 |
| S 12 | 3 57 | 19 54 | 0 33 | 8 57 | 2 26 | 7 36 | 7 3 | 9 53 | 1 10 | 11 18 | 1 29 | 6 49 | 1 56 | 23 24 | 0 17 | 11 3 | 0 17 | 13 58 | 9 21 | 17 53 | 18 17 | 25 48 | 8 48 | 7 18 |
| S 13 | 3 35 | 15 40 | 0s33 | 9 27 | 2 35 | 7 44 | 6 55 | 9 39 | 1 10 | 11 16 | 1 29 | 6 51 | 1 56 | 23 24 | 0 17 | 11 4 | 0 17 | 13 58 | 9 20 | 17 53 | 18 18 | 25 47 | 8 49 | 7 18 |
| M14 | 3 12 | 10 42 | 1 38 | 9 56 | 2 44 | 7 51 | 6 47 | 9 25 | 1 10 | 11 15 | 1 29 | 6 53 | 1 56 | 23 24 | 0 17 | 11 5 | 0 17 | 13 59 | 9 20 | 17 53 | 18 19 | 25 45 | 8 50 | 7 17 |
| T 15 | 2 49 | 5 13 | 2 40 | 10 23 | 2 53 | 7 57 | 6 39 | 9 10 | 1 10 | 11 13 | 1 29 | 6 54 | 1 56 | 23 24 | 0 17 | 11 5 | 0 17 | 13 59 | 9 20 | 17 54 | 18 20 | 25 44 | 8 51 | 7 17 |
| W16 | 2 26 | 0s36 | 3 35 | 10 48 | 3 2 | 8 3 | 6 30 | 8 56 | 1 10 | 11 12 | 1 29 | 6 56 | 1 56 | 23 24 | 0 17 | 11 6 | 0 17 | 13 59 | 9 19 | 17 56 | 18 21 | 25 43 | 8 52 | 7 17 |
| T 17 | 2 3 | 6 30 | 4 20 | 11 12 | 3 10 | 8 9 | 6 21 | 8 42 | 1 10 | 11 10 | 1 30 | 6 58 | 1 56 | 23 24 | 0 17 | 11 6 | 0 17 | 14 0 | 9 19 | 17 57 | 18 21 | 25 42 | 8 53 | 7 16 |
| F 18 | 1 41 | 12 12 | 4 51 | 11 34 | 3 19 | 8 14 | 6 12 | 8 27 | 1 10 | 11 8 | 1 30 | 7 0 | 1 56 | 23 24 | 0 17 | 11 7 | 0 17 | 14 0 | 9 18 | 18 0 | 18 22 | 25 41 | 8 54 | 7 16 |
| S 19 | 1 18 | 17 25 | 5 6 | 11 55 | 3 26 | 8 18 | 6 3 | 8 13 | 1 10 | 11 6 | 1 30 | 7 1 | 1 56 | 23 24 | 0 17 | 11 7 | 0 17 | 14 1 | 9 18 | 18 2 | 18 23 | 25 40 | 8 55 | 7 15 |
| S 20 | 0 55 | 21 47 | 5 4 | 12 13 | 3 34 | 8 22 | 5 54 | 7 58 | 1 10 | 11 4 | 1 30 | 7 3 | 1 56 | 23 24 | 0 17 | 11 8 | 0 17 | 14 1 | 9 18 | 18 3 | 18 24 | 25 39 | 8 56 | 7 15 |
| M21 | 0 32 | 24 57 | 4 43 | 12 29 | 3 41 | 8 25 | 5 45 | 7 44 | 1 10 | 11 2 | 1 30 | 7 5 | 1 56 | 23 24 | 0 17 | 11 8 | 0 17 | 14 1 | 9 17 | 18 5 | 18 25 | 25 38 | 8 57 | 7 15 |
| T 22 | 0 9 | 26 35 | 4 5 | 12 43 | 3 47 | 8 28 | 5 36 | 7 29 | 1 10 | 11 0 | 1 31 | 7 6 | 1 56 | 23 24 | 0 17 | 11 9 | 0 17 | 14 2 | 9 17 | 18 5 | 18 25 | 25 36 | 8 58 | 7 14 |
| W23 | 0s14 | 26 31 | 3 13 | 12 55 | 3 53 | 8 30 | 5 27 | 7 15 | 1 10 | 10 58 | 1 31 | 7 8 | 1 56 | 23 24 | 0 17 | 11 9 | 0 17 | 14 2 | 9 16 | 18 6 | 18 26 | 25 35 | 8 59 | 7 14 |
| T 24 | 0 38 | 24 44 | 2 8 | 13 3 | 3 58 | 8 32 | 5 17 | 7 0 | 1 10 | 10 56 | 1 31 | 7 10 | 1 56 | 23 24 | 0 17 | 11 10 | 0 17 | 14 3 | 9 16 | 18 5 | 18 27 | 25 34 | 9 0 | 7 13 |
| F 25 | 1 1 | 21 23 | 0 56 | 13 9 | 4 2 | 8 33 | 5 8 | 6 45 | 1 10 | 10 54 | 1 31 | 7 11 | 1 56 | 23 24 | 0 17 | 11 10 | 0 17 | 14 3 | 9 16 | 18 5 | 18 28 | 25 33 | 9 1 | 7 13 |
| S 26 | 1 24 | 16 47 | 0n20 | 13 12 | 4 5 | 8 33 | 4 58 | 6 31 | 1 10 | 10 52 | 1 31 | 7 13 | 1 56 | 23 24 | 0 17 | 11 11 | 0 17 | 14 3 | 9 15 | 18 5 | 18 29 | 25 32 | 9 2 | 7 12 |
| S 27 | 1 47 | 11 16 | 1 34 | 13 11 | 4 8 | 8 33 | 4 49 | 6 16 | 1 10 | 10 50 | 1 31 | 7 15 | 1 56 | 23 24 | 0 17 | 11 11 | 0 17 | 14 4 | 9 15 | 18 5 | 18 29 | 25 31 | 9 3 | 7 12 |
| M28 | 2 10 | 5 15 | 2 42 | 13 7 | 4 9 | 8 32 | 4 40 | 6 1 | 1 10 | 10 47 | 1 32 | 7 16 | 1 56 | 23 24 | 0 17 | 11 12 | 0 17 | 14 4 | 9 14 | 18 6 | 18 30 | 25 29 | 9 4 | 7 11 |
| T 29 | 2 33 | 0n57 | 3 39 | 12 59 | 4 8 | 8 31 | 4 30 | 5 46 | 1 10 | 10 45 | 1 32 | 7 18 | 1 56 | 23 24 | 0 17 | 11 12 | 0 17 | 14 5 | 9 14 | 18 8 | 18 31 | 25 28 | 9 5 | 7 11 |
| W30 | 2s56 | 7n 0 | 4n22 | 12s47 | 4s 6 | 8n29 | 4s21 | 5n32 | 1n10 | 10n43 | 1s32 | 7s19 | 1s56 | 23s24 | 0s17 | 11s13 | 0s17 | 14s 5 | 9n14 | 18s10 | 18s32 | 25n27 | 9s 6 | 7n11 |

Julian Day Number = 2815204.5, Delta T = 54m24s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'42, Lahiri = 37°47'43


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# ASTRODIENST EPHEMERIS for the year 2995
# geocentric

## OCTOBER 2995 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 40 30 | 8♎23'08 | 20♈55 | 22°R39 | 27♌10 | 19♍19 | 2°R 1 | 15°R49 | 7♑16 | 1°R20 | 29♐52 | 7°R50 | 6♒31 | 8♋43 | 15°R57 | T 1 |
| F 2 | 0 44 26 | 9°21'34 | 3♉59 | 21♎58 | 27°45 | 19°57 | 1♉54 | 15♓45 | 7°17 | 1♓19 | 29°53 | 7♒40 | 6°28 | 8°49 | 15♒55 | F 2 |
| S 3 | 0 48 23 | 10°20'03 | 16°45 | 21°12 | 28°12 | 20°35 | 1°48 | 15°42 | 7°18 | 1°17 | 29°53 | 7°29 | 6°25 | 8°56 | 15°54 | S 3 |
| S 4 | 0 52 20 | 11°18'33 | 29°14 | 20°19 | 28°59 | 21°13 | 1°41 | 15°38 | 7°19 | 1°16 | 29°54 | 7°21 | 6°22 | 9° 3 | 15°53 | S 4 |
| M 5 | 0 56 16 | 12°17'06 | 11♊26 | 19°22 | 29°38 | 21°51 | 1°33 | 15°34 | 7°20 | 1°15 | 29°55 | 7°14 | 6°19 | 9° 9 | 15°51 | M 5 |
| T 6 | 1 0 13 | 13°15'41 | 23°26 | 18°21 | 0♍17 | 22°29 | 1°26 | 15°30 | 7°21 | 1°14 | 29°56 | 7°10 | 6°16 | 9°16 | 15°50 | T 6 |
| W 7 | 1 4 9 | 14°14'18 | 5♋18 | 17°17 | 0°58 | 23° 7 | 1°19 | 15°26 | 7°22 | 1°13 | 29°57 | 7° 8 | 6°12 | 9°23 | 15°49 | W 7 |
| T 8 | 1 8 6 | 15°12'57 | 17° 7 | 16°12 | 1°41 | 23°45 | 1°11 | 15°23 | 7°23 | 1°12 | 29°58 | 7°D 7 | 6° 9 | 9°29 | 15°48 | T 8 |
| F 9 | 1 12 2 | 16°11'38 | 28°58 | 15° 8 | 2°24 | 24°23 | 1° 4 | 15°19 | 7°24 | 1°11 | 29°59 | 7° 8 | 6° 6 | 9°36 | 15°47 | F 9 |
| S 10 | 1 15 59 | 17°10'21 | 10♌57 | 14° 5 | 3° 8 | 25° 1 | 0°56 | 15°16 | 7°26 | 1°10 | 29°59 | 7°R 8 | 6° 3 | 9°43 | 15°46 | S 10 |
| S 11 | 1 19 55 | 18° 9'07 | 23° 9 | 13° 6 | 3°53 | 25°39 | 0°49 | 15°12 | 7°27 | 1° 9 | 0♑ 0 | 7° 7 | 6° 0 | 9°49 | 15°45 | S 11 |
| M12 | 1 23 52 | 19° 7'54 | 5♍37 | 12°11 | 4°39 | 26°16 | 0°41 | 15° 9 | 7°28 | 1° 8 | 0° 1 | 7° 3 | 5°57 | 9°56 | 15°44 | M12 |
| T 13 | 1 27 49 | 20° 6'44 | 18°27 | 11°24 | 5°26 | 26°54 | 0°33 | 15° 6 | 7°30 | 1° 7 | 0° 3 | 6°57 | 5°53 | 10° 3 | 15°43 | T 13 |
| W14 | 1 31 45 | 21° 5'36 | 1♎39 | 10°44 | 6°14 | 27°32 | 0°25 | 15° 2 | 7°31 | 1° 6 | 0° 4 | 6°49 | 5°50 | 10° 9 | 15°43 | W14 |
| T 15 | 1 35 42 | 22° 4'30 | 15°12 | 10°13 | 7° 2 | 28°10 | 0°17 | 14°59 | 7°33 | 1° 5 | 0° 5 | 6°38 | 5°47 | 10°16 | 15°42 | T 15 |
| F 16 | 1 39 38 | 23° 3'26 | 29° 5 | 9°52 | 7°52 | 28°48 | 0° 9 | 14°56 | 7°34 | 1° 4 | 0° 6 | 6°27 | 5°44 | 10°23 | 15°41 | F 16 |
| S 17 | 1 43 35 | 24° 2'23 | 13♏14 | 9°41 | 8°42 | 29°26 | 0° 1 | 14°53 | 7°36 | 1° 3 | 0° 7 | 6°15 | 5°41 | 10°29 | 15°41 | S 17 |
| S 18 | 1 47 31 | 25° 1'23 | 27°32 | 9°D40 | 9°33 | 0♎ 4 | 29♈53 | 14°50 | 7°37 | 1° 3 | 0° 8 | 6° 4 | 5°37 | 10°36 | 15°40 | S 18 |
| M19 | 1 51 28 | 26° 0'25 | 11♐55 | 9°50 | 10°25 | 0°41 | 29°45 | 14°47 | 7°39 | 1° 2 | 0° 9 | 5°56 | 5°34 | 10°43 | 15°40 | M19 |
| T 20 | 1 55 24 | 26°59'28 | 26°17 | 10°10 | 11°17 | 1°19 | 29°37 | 14°45 | 7°41 | 1° 1 | 0°11 | 5°51 | 5°31 | 10°49 | 15°40 | T 20 |
| W21 | 1 59 21 | 27°58'34 | 10♑34 | 10°39 | 12°10 | 1°57 | 29°29 | 14°42 | 7°42 | 1° 0 | 0°12 | 5°48 | 5°28 | 10°56 | 15°40 | W21 |
| T 22 | 2 3 18 | 28°57'40 | 24°43 | 11°18 | 13° 4 | 2°35 | 29°21 | 14°39 | 7°44 | 1° 0 | 0°13 | 5°48 | 5°25 | 11° 3 | 15°40 | T 22 |
| F 23 | 2 7 14 | 29°56'49 | 8♒45 | 12° 6 | 13°58 | 3°12 | 29°13 | 14°37 | 7°46 | 0°59 | 0°15 | 5°48 | 5°22 | 11° 9 | 15°D39 | F 23 |
| S 24 | 2 11 11 | 0♏55'59 | 22°37 | 13° 2 | 14°53 | 3°50 | 29° 5 | 14°34 | 7°48 | 0°58 | 0°16 | 5°47 | 5°18 | 11°16 | 15°39 | S 24 |
| S 25 | 2 15 7 | 1°55'11 | 6♓21 | 14° 5 | 15°48 | 4°28 | 28°57 | 14°32 | 7°50 | 0°58 | 0°17 | 5°45 | 5°15 | 11°23 | 15°40 | S 25 |
| M26 | 2 19 4 | 2°54'24 | 19°56 | 15°14 | 16°44 | 5° 6 | 28°49 | 14°30 | 7°52 | 0°57 | 0°19 | 5°39 | 5°12 | 11°29 | 15°40 | M26 |
| T 27 | 2 23 0 | 3°53'39 | 3♈21 | 16°29 | 17°41 | 5°43 | 28°41 | 14°28 | 7°54 | 0°57 | 0°20 | 5°31 | 5° 9 | 11°36 | 15°40 | T 27 |
| W28 | 2 26 57 | 4°52'56 | 16°35 | 17°49 | 18°38 | 6°21 | 28°33 | 14°26 | 7°56 | 0°56 | 0°22 | 5°20 | 5° 6 | 11°43 | 15°40 | W28 |
| T 29 | 2 30 53 | 5°52'15 | 29°37 | 19°13 | 19°36 | 6°59 | 28°25 | 14°24 | 7°58 | 0°56 | 0°23 | 5° 8 | 5° 3 | 11°49 | 15°41 | T 29 |
| F 30 | 2 34 50 | 6°51'36 | 12♉25 | 20°41 | 20°34 | 7°36 | 28°17 | 14°22 | 8° 0 | 0°55 | 0°25 | 4°54 | 4°59 | 11°56 | 15°41 | F 30 |
| S 31 | 2 38 47 | 7♏50'59 | 25♉ 0 | 22♎12 | 21♍32 | 8♎14 | 28♈ 9 | 14♓20 | 8♑ 3 | 0♓55 | 0♑26 | 4♒41 | 4♒56 | 12♋ 3 | 15♒41 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 3s18 | 12n37 | 4n51 | 12s32 | 4s 3 | 8n26 | 4s12 | 5n17 | 1n10 | 10n40 | 1s32 | 7s21 | 1s56 | 23s24 | 0s17 | 11s13 | 0s17 | 14s 5 | 9n13 | 18s13 | 18s33 | 25n26 | 9s 7 | 7n10 |
| F 2 | 3 41 | 17 32 | 5 3 | 12 12 | 3 58 | 8 23 | 4 3 | 5 2 | 1 10 | 10 38 | 1 32 | 7 23 | 1 56 | 23 24 | 0 17 | 11 13 | 0 17 | 14 6 | 9 13 | 18 15 | 18 33 | 25 24 | 9 8 | 7 10 |
| S 3 | 4 4 | 21 33 | 5 0 | 11 48 | 3 51 | 8 20 | 3 53 | 4 47 | 1 10 | 10 36 | 1 32 | 7 24 | 1 56 | 23 24 | 0 17 | 11 14 | 0 17 | 14 6 | 9 12 | 18 18 | 18 34 | 25 23 | 9 9 | 7 9 |
| S 4 | 4 27 | 24 28 | 4 42 | 11 20 | 3 43 | 8 15 | 3 44 | 4 32 | 1 10 | 10 33 | 1 32 | 7 25 | 1 56 | 23 23 | 0 17 | 11 14 | 0 17 | 14 7 | 9 12 | 18 20 | 18 35 | 25 22 | 9 9 | 7 9 |
| M 5 | 4 50 | 26 11 | 4 12 | 10 49 | 3 32 | 8 11 | 3 35 | 4 17 | 1 10 | 10 30 | 1 32 | 7 27 | 1 56 | 23 23 | 0 17 | 11 15 | 0 17 | 14 7 | 9 12 | 18 22 | 18 36 | 25 21 | 9 10 | 7 8 |
| T 6 | 5 12 | 26 40 | 3 31 | 10 14 | 3 20 | 8 5 | 3 26 | 4 2 | 1 10 | 10 28 | 1 32 | 7 28 | 1 56 | 23 23 | 0 17 | 11 15 | 0 17 | 14 7 | 9 11 | 18 23 | 18 37 | 25 19 | 9 11 | 7 8 |
| W 7 | 5 35 | 25 53 | 2 41 | 9 37 | 3 5 | 7 59 | 3 18 | 3 47 | 1 10 | 10 25 | 1 32 | 7 30 | 1 56 | 23 23 | 0 17 | 11 15 | 0 17 | 14 8 | 9 11 | 18 24 | 18 37 | 25 18 | 9 12 | 7 7 |
| T 8 | 5 58 | 23 57 | 1 45 | 8 57 | 2 49 | 7 53 | 3 9 | 3 33 | 1 10 | 10 23 | 1 33 | 7 31 | 1 56 | 23 23 | 0 17 | 11 16 | 0 17 | 14 8 | 9 11 | 18 24 | 18 38 | 25 17 | 9 13 | 7 7 |
| F 9 | 6 20 | 20 58 | 0 43 | 8 16 | 2 32 | 7 46 | 3 0 | 3 18 | 1 10 | 10 20 | 1 33 | 7 32 | 1 56 | 23 23 | 0 17 | 11 16 | 0 17 | 14 9 | 9 10 | 18 24 | 18 39 | 25 16 | 9 14 | 7 6 |
| S 10 | 6 43 | 17 4 | 0s20 | 7 34 | 2 13 | 7 38 | 2 52 | 3 3 | 1 10 | 10 17 | 1 33 | 7 34 | 1 56 | 23 23 | 0 17 | 11 17 | 0 17 | 14 9 | 9 10 | 18 23 | 18 40 | 25 14 | 9 14 | 7 6 |
| S 11 | 7 5 | 12 24 | 1 24 | 6 53 | 1 54 | 7 30 | 2 43 | 2 48 | 1 10 | 10 15 | 1 33 | 7 35 | 1 56 | 23 23 | 0 17 | 11 17 | 0 17 | 14 9 | 9 9 | 18 24 | 18 40 | 25 13 | 9 15 | 7 5 |
| M12 | 7 27 | 7 9 | 2 25 | 6 14 | 1 34 | 7 21 | 2 35 | 2 33 | 1 10 | 10 12 | 1 33 | 7 36 | 1 56 | 23 23 | 0 17 | 11 17 | 0 17 | 14 10 | 9 9 | 18 25 | 18 41 | 25 12 | 9 16 | 7 5 |
| T 13 | 7 49 | 1 28 | 3 21 | 5 37 | 1 13 | 7 12 | 2 26 | 2 18 | 1 10 | 10 9 | 1 33 | 7 37 | 1 56 | 23 23 | 0 17 | 11 18 | 0 17 | 14 10 | 9 9 | 18 26 | 18 42 | 25 11 | 9 16 | 7 4 |
| W14 | 8 11 | 4s26 | 4 7 | 5 2 | 0 53 | 7 2 | 2 18 | 2 3 | 1 10 | 10 6 | 1 33 | 7 39 | 1 56 | 23 23 | 0 17 | 11 18 | 0 17 | 14 10 | 9 8 | 18 28 | 18 43 | 25 9 | 9 17 | 7 4 |
| T 15 | 8 33 | 10 16 | 4 40 | 4 32 | 0 33 | 6 52 | 2 10 | 1 48 | 1 10 | 10 4 | 1 33 | 7 40 | 1 56 | 23 23 | 0 17 | 11 18 | 0 17 | 14 11 | 9 8 | 18 31 | 18 44 | 25 8 | 9 18 | 7 3 |
| F 16 | 8 55 | 15 45 | 4 59 | 4 6 | 0 14 | 6 41 | 2 2 | 1 33 | 1 10 | 10 1 | 1 33 | 7 41 | 1 56 | 23 23 | 0 17 | 11 19 | 0 17 | 14 11 | 9 7 | 18 34 | 18 44 | 25 7 | 9 19 | 7 3 |
| S 17 | 9 17 | 20 28 | 4 59 | 3 45 | 0n 5 | 6 30 | 1 54 | 1 18 | 1 10 | 9 58 | 1 33 | 7 42 | 1 56 | 23 22 | 0 17 | 11 19 | 0 17 | 14 12 | 9 7 | 18 37 | 18 45 | 25 5 | 9 19 | 7 2 |
| S 18 | 9 38 | 24 3 | 4 40 | 3 29 | 0 22 | 6 18 | 1 46 | 1 2 | 1 10 | 9 55 | 1 33 | 7 43 | 1 55 | 23 22 | 0 17 | 11 19 | 0 17 | 14 12 | 9 7 | 18 39 | 18 46 | 25 4 | 9 20 | 7 1 |
| M19 | 10 0 | 26 8 | 4 4 | 3 18 | 0 38 | 6 6 | 1 39 | 0 47 | 1 10 | 9 53 | 1 33 | 7 44 | 1 55 | 23 22 | 0 17 | 11 19 | 0 17 | 14 12 | 9 6 | 18 41 | 18 47 | 25 3 | 9 20 | 7 1 |
| T 20 | 10 21 | 26 28 | 3 13 | 3 12 | 0 52 | 5 53 | 1 31 | 0 32 | 1 9 | 9 50 | 1 33 | 7 45 | 1 55 | 23 22 | 0 17 | 11 20 | 0 17 | 14 13 | 9 6 | 18 43 | 18 47 | 25 1 | 9 21 | 7 0 |
| W21 | 10 42 | 25 2 | 2 9 | 3 12 | 1 5 | 5 40 | 1 24 | 0 17 | 1 9 | 9 47 | 1 33 | 7 46 | 1 55 | 23 22 | 0 17 | 11 20 | 0 17 | 14 13 | 9 6 | 18 43 | 18 48 | 25 0 | 9 22 | 7 0 |
| T 22 | 11 3 | 22 1 | 0 58 | 3 16 | 1 17 | 5 27 | 1 16 | 0 3 | 1 9 | 9 44 | 1 33 | 7 47 | 1 55 | 23 22 | 0 17 | 11 20 | 0 17 | 14 13 | 9 5 | 18 43 | 18 49 | 24 59 | 9 22 | 6 59 |
| F 23 | 11 24 | 17 44 | 0n16 | 3 25 | 1 27 | 5 13 | 1 9 | 0s12 | 1 9 | 9 41 | 1 33 | 7 48 | 1 55 | 23 22 | 0 17 | 11 20 | 0 17 | 14 14 | 9 5 | 18 43 | 18 50 | 24 57 | 9 23 | 6 59 |
| S 24 | 11 44 | 12 31 | 1 28 | 3 39 | 1 36 | 4 58 | 1 2 | 0 27 | 1 9 | 9 39 | 1 33 | 7 49 | 1 55 | 23 22 | 0 17 | 11 21 | 0 17 | 14 14 | 9 5 | 18 44 | 18 50 | 24 56 | 9 23 | 6 58 |
| S 25 | 12 5 | 6 45 | 2 34 | 3 56 | 1 43 | 4 43 | 0 55 | 0 42 | 1 9 | 9 36 | 1 33 | 7 49 | 1 55 | 23 22 | 0 17 | 11 21 | 0 17 | 14 14 | 9 4 | 18 44 | 18 51 | 24 54 | 9 24 | 6 58 |
| M26 | 12 25 | 0 44 | 3 31 | 4 17 | 1 49 | 4 28 | 0 48 | 0 57 | 1 9 | 9 33 | 1 33 | 7 50 | 1 55 | 23 21 | 0 17 | 11 21 | 0 17 | 14 15 | 9 4 | 18 45 | 18 52 | 24 53 | 9 24 | 6 57 |
| T 27 | 12 45 | 5n13 | 4 15 | 4 42 | 1 54 | 4 12 | 0 42 | 1 12 | 1 9 | 9 30 | 1 33 | 7 51 | 1 55 | 23 21 | 0 17 | 11 21 | 0 17 | 14 15 | 9 4 | 18 47 | 18 53 | 24 52 | 9 25 | 6 57 |
| W28 | 13 5 | 10 52 | 4 44 | 5 9 | 1 57 | 3 56 | 0 35 | 1 27 | 1 9 | 9 27 | 1 33 | 7 52 | 1 55 | 23 21 | 0 17 | 11 21 | 0 17 | 14 15 | 9 3 | 18 50 | 18 54 | 24 50 | 9 25 | 6 56 |
| T 29 | 13 24 | 15 56 | 4 59 | 5 39 | 1 59 | 3 40 | 0 29 | 1 42 | 1 9 | 9 25 | 1 33 | 7 52 | 1 54 | 23 21 | 0 17 | 11 22 | 0 17 | 14 16 | 9 3 | 18 53 | 18 54 | 24 49 | 9 25 | 6 56 |
| F 30 | 13 44 | 20 12 | 4 57 | 6 10 | 2 1 | 3 23 | 0 22 | 1 57 | 1 9 | 9 22 | 1 32 | 7 53 | 1 54 | 23 21 | 0 17 | 11 22 | 0 17 | 14 16 | 9 3 | 18 56 | 18 55 | 24 47 | 9 26 | 6 55 |
| S 31 | 14s 3 | 23n28 | 4n42 | 6s44 | 2n 1 | 3n 6 | 0s16 | 2s12 | 1n 9 | 9n19 | 1s32 | 7s54 | 1s54 | 23s21 | 0s17 | 11s22 | 0s17 | 14s16 | 9n 2 | 18s59 | 18s56 | 24n46 | 9s26 | 6n55 |

Julian Day Number = 2815234.5, Delta T = 54m24s
Ecliptic obliquity = 23°18'43, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'47, Lahiri = 37°47'47


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# ASTRODIENST EPHEMERIS for the year 2995
# geocentric

## NOVEMBER 2995 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 42 43 | 8♏50'24 | 7♊20 | 23♎46 | 22♍32 | 8♎52 | 28°R 1 | 14°R18 | 8♉ 5 | 0°R54 | 0♉28 | 4°R29 | 4♒53 | 12♋ 9 | 15♒42 | S 1 |
| M 2 | 2 46 40 | 9°49'52 | 19°27 | 25°21 | 23°31 | 9°29 | 27♈54 | 14♓17 | 8° 7 | 0♓54 | 0°29 | 4♒20 | 4°50 | 12°16 | 15°43 | M 2 |
| T 3 | 2 50 36 | 10°49'21 | 1♋24 | 26°58 | 24°31 | 10° 7 | 27°46 | 14°15 | 8° 9 | 0°54 | 0°31 | 4°13 | 4°47 | 12°23 | 15°43 | T 3 |
| W 4 | 2 54 33 | 11°48'53 | 13°14 | 28°37 | 25°32 | 10°45 | 27°38 | 14°14 | 8°12 | 0°54 | 0°33 | 4°10 | 4°43 | 12°29 | 15°44 | W 4 |
| T 5 | 2 58 29 | 12°48'26 | 25° 1 | 0♏16 | 26°32 | 11°22 | 27°31 | 14°13 | 8°14 | 0°53 | 0°34 | 4° 8 | 4°40 | 12°36 | 15°45 | T 5 |
| F 6 | 3 2 26 | 13°48'02 | 6♌51 | 1°57 | 27°34 | 12° 0 | 27°23 | 14°11 | 8°17 | 0°53 | 0°36 | 4°D 8 | 4°37 | 12°42 | 15°46 | F 6 |
| S 7 | 3 6 22 | 14°47'41 | 18°48 | 3°37 | 28°35 | 12°37 | 27°16 | 14°10 | 8°19 | 0°53 | 0°38 | 4°R 8 | 4°34 | 12°49 | 15°47 | S 7 |
| S 8 | 3 10 19 | 15°47'21 | 0♍59 | 5°18 | 29°37 | 13°15 | 27° 9 | 14° 9 | 8°22 | 0°53 | 0°40 | 4° 7 | 4°31 | 12°56 | 15°48 | S 8 |
| M 9 | 3 14 16 | 16°47'03 | 13°28 | 7° 0 | 0♎40 | 13°53 | 27° 2 | 14° 8 | 8°24 | 0°53 | 0°41 | 4° 4 | 4°28 | 13° 2 | 15°49 | M 9 |
| T 10 | 3 18 12 | 17°46'48 | 26°20 | 8°41 | 1°43 | 14°30 | 26°54 | 14° 7 | 8°27 | 0°53 | 0°43 | 3°59 | 4°24 | 13° 9 | 15°50 | T 10 |
| W11 | 3 22 9 | 18°46'35 | 9♎38 | 10°22 | 2°46 | 15° 8 | 26°48 | 14° 7 | 8°29 | 0°52 | 0°45 | 3°51 | 4°21 | 13°16 | 15°52 | W11 |
| T 12 | 3 26 5 | 19°46'24 | 23°23 | 12° 3 | 3°49 | 15°45 | 26°41 | 14° 6 | 8°32 | 0°D52 | 0°47 | 3°41 | 4°18 | 13°22 | 15°53 | T 12 |
| F 13 | 3 30 2 | 20°46'15 | 7♏33 | 13°44 | 4°53 | 16°23 | 26°34 | 14° 6 | 8°35 | 0°52 | 0°49 | 3°30 | 4°15 | 13°29 | 15°54 | F 13 |
| S 14 | 3 33 58 | 21°46'08 | 22° 3 | 15°25 | 5°57 | 17° 0 | 26°27 | 14° 5 | 8°38 | 0°53 | 0°50 | 3°19 | 4°12 | 13°36 | 15°56 | S 14 |
| S 15 | 3 37 55 | 22°46'03 | 6♐47 | 17° 5 | 7° 1 | 17°38 | 26°21 | 14° 5 | 8°40 | 0°53 | 0°52 | 3° 9 | 4° 9 | 13°42 | 15°58 | S 15 |
| M16 | 3 41 51 | 23°46'00 | 21°36 | 18°45 | 8° 6 | 18°15 | 26°15 | 14° 5 | 8°43 | 0°53 | 0°54 | 3° 1 | 4° 5 | 13°49 | 15°59 | M16 |
| T 17 | 3 45 48 | 24°45'59 | 6♑22 | 20°24 | 9°11 | 18°53 | 26° 8 | 14°D 5 | 8°46 | 0°53 | 0°56 | 2°55 | 4° 2 | 13°56 | 16° 1 | T 17 |
| W18 | 3 49 45 | 25°45'59 | 20°59 | 22° 3 | 10°16 | 19°30 | 26° 2 | 14° 5 | 8°49 | 0°53 | 0°58 | 2°53 | 3°59 | 14° 2 | 16° 3 | W18 |
| T 19 | 3 53 41 | 26°46'01 | 5♒21 | 23°42 | 11°22 | 20° 8 | 25°57 | 14° 5 | 8°52 | 0°53 | 1° 0 | 2°D52 | 3°56 | 14° 9 | 16° 4 | T 19 |
| F 20 | 3 57 38 | 27°46'04 | 19°28 | 25°20 | 12°28 | 20°45 | 25°51 | 14° 5 | 8°55 | 0°54 | 1° 2 | 2°53 | 3°53 | 14°16 | 16° 6 | F 20 |
| S 21 | 4 1 34 | 28°46'08 | 3♓17 | 26°58 | 13°34 | 21°23 | 25°45 | 14° 5 | 8°58 | 0°54 | 1° 4 | 2°R53 | 3°49 | 14°22 | 16° 8 | S 21 |
| S 22 | 4 5 31 | 29°46'14 | 16°51 | 28°35 | 14°40 | 22° 0 | 25°40 | 14° 6 | 9° 1 | 0°54 | 1° 6 | 2°52 | 3°46 | 14°29 | 16°10 | S 22 |
| M23 | 4 9 27 | 0♐46'22 | 0♈10 | 0♐12 | 15°46 | 22°38 | 25°35 | 14° 6 | 9° 4 | 0°55 | 1° 8 | 2°48 | 3°43 | 14°36 | 16°12 | M23 |
| T 24 | 4 13 24 | 1°46'31 | 13°15 | 1°49 | 16°53 | 23°15 | 25°30 | 14° 7 | 9° 7 | 0°55 | 1°10 | 2°42 | 3°40 | 14°42 | 16°15 | T 24 |
| W25 | 4 17 20 | 2°46'42 | 26° 8 | 3°25 | 18° 0 | 23°53 | 25°25 | 14° 8 | 9°10 | 0°55 | 1°12 | 2°33 | 3°37 | 14°49 | 16°17 | W25 |
| T 26 | 4 21 17 | 3°46'54 | 8♉50 | 5° 1 | 19° 7 | 24°30 | 25°20 | 14° 8 | 9°13 | 0°56 | 1°14 | 2°23 | 3°34 | 14°56 | 16°19 | T 26 |
| F 27 | 4 25 14 | 4°47'07 | 21°20 | 6°37 | 20°15 | 25° 7 | 25°15 | 14° 9 | 9°16 | 0°56 | 1°16 | 2°11 | 3°30 | 15° 2 | 16°21 | F 27 |
| S 28 | 4 29 10 | 5°47'23 | 3♊39 | 8°12 | 21°22 | 25°45 | 25°11 | 14°10 | 9°19 | 0°57 | 1°18 | 2° 1 | 3°27 | 15° 9 | 16°24 | S 28 |
| S 29 | 4 33 7 | 6°47'40 | 15°48 | 9°47 | 22°30 | 26°22 | 25° 7 | 14°12 | 9°23 | 0°57 | 1°20 | 1°51 | 3°24 | 15°16 | 16°26 | S 29 |
| M30 | 4 37 3 | 7♐47'59 | 27♊48 | 11♐22 | 23♎38 | 26♎59 | 25♈ 3 | 14♓13 | 9♉26 | 0♓58 | 1♉23 | 1♒44 | 3♒21 | 15♋22 | 16♒29 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s22 | 25n34 | 4n13 | 7s19 | 2n 0 | 2n48 | 0s10 | 2s27 | 1n 9 | 9n17 | 1s32 | 7s54 | 1s54 | 23s21 | 0s17 | 11s22 | 0s17 | 14s17 | 9n 2 | 19s 2 | 18s57 | 24n45 | 9s27 | 6n54 |
| M 2 | 14 41 | 26 26 | 3 33 | 7 55 | 1 59 | 2 30 | 0 4 | 2 41 | 1 8 | 9 14 | 1 32 | 7 55 | 1 54 | 23 21 | 0 17 | 11 22 | 0 17 | 14 17 | 9 2 | 19 4 | 18 57 | 24 43 | 9 27 | 6 53 |
| T 3 | 15 0 | 26 2 | 2 44 | 8 31 | 1 57 | 2 12 | 0n 2 | 2 56 | 1 8 | 9 11 | 1 32 | 7 55 | 1 54 | 23 20 | 0 17 | 11 22 | 0 17 | 14 17 | 9 1 | 19 6 | 18 58 | 24 42 | 9 27 | 6 53 |
| W 4 | 15 18 | 24 27 | 1 48 | 9 9 | 1 54 | 1 53 | 0 8 | 3 11 | 1 8 | 9 9 | 1 32 | 7 55 | 1 54 | 23 20 | 0 17 | 11 22 | 0 17 | 14 18 | 9 1 | 19 7 | 18 59 | 24 40 | 9 27 | 6 52 |
| T 5 | 15 36 | 21 48 | 0 48 | 9 47 | 1 51 | 1 34 | 0 13 | 3 26 | 1 8 | 9 6 | 1 32 | 7 56 | 1 54 | 23 20 | 0 17 | 11 22 | 0 17 | 14 18 | 9 1 | 19 7 | 19 0 | 24 39 | 9 28 | 6 52 |
| F 6 | 15 54 | 18 14 | 0s14 | 10 25 | 1 47 | 1 15 | 0 19 | 3 40 | 1 8 | 9 4 | 1 32 | 7 56 | 1 54 | 23 20 | 0 17 | 11 22 | 0 17 | 14 18 | 9 0 | 19 7 | 19 0 | 24 37 | 9 28 | 6 51 |
| S 7 | 16 11 | 13 53 | 1 17 | 11 3 | 1 42 | 0 56 | 0 24 | 3 55 | 1 8 | 9 1 | 1 32 | 7 57 | 1 53 | 23 20 | 0 17 | 11 23 | 0 17 | 14 19 | 9 0 | 19 7 | 19 1 | 24 36 | 9 28 | 6 51 |
| S 8 | 16 29 | 8 56 | 2 17 | 11 41 | 1 38 | 0 36 | 0 30 | 4 10 | 1 8 | 8 59 | 1 31 | 7 57 | 1 53 | 23 20 | 0 17 | 11 23 | 0 17 | 14 19 | 9 0 | 19 7 | 19 2 | 24 35 | 9 28 | 6 50 |
| M 9 | 16 46 | 3 30 | 3 13 | 12 19 | 1 33 | 0 16 | 0 35 | 4 24 | 1 8 | 8 56 | 1 31 | 7 57 | 1 53 | 23 19 | 0 17 | 11 23 | 0 17 | 14 19 | 8 59 | 19 8 | 19 3 | 24 33 | 9 29 | 6 50 |
| T 10 | 17 3 | 2s13 | 4 0 | 12 56 | 1 27 | 0s 4 | 0 40 | 4 39 | 1 8 | 8 54 | 1 31 | 7 57 | 1 53 | 23 19 | 0 17 | 11 23 | 0 17 | 14 19 | 8 59 | 19 9 | 19 3 | 24 32 | 9 29 | 6 49 |
| W11 | 17 19 | 8 1 | 4 36 | 13 34 | 1 22 | 0 25 | 0 44 | 4 53 | 1 8 | 8 52 | 1 31 | 7 57 | 1 53 | 23 19 | 0 17 | 11 23 | 0 17 | 14 20 | 8 59 | 19 11 | 19 4 | 24 30 | 9 29 | 6 49 |
| T 12 | 17 35 | 13 38 | 4 57 | 14 10 | 1 16 | 0 45 | 0 49 | 5 8 | 1 7 | 8 49 | 1 31 | 7 58 | 1 53 | 23 19 | 0 17 | 11 23 | 0 17 | 14 20 | 8 59 | 19 13 | 19 5 | 24 29 | 9 29 | 6 48 |
| F 13 | 17 51 | 18 42 | 5 1 | 14 46 | 1 10 | 1 6 | 0 54 | 5 22 | 1 7 | 8 47 | 1 31 | 7 58 | 1 53 | 23 19 | 0 17 | 11 23 | 0 17 | 14 20 | 8 58 | 19 16 | 19 6 | 24 27 | 9 29 | 6 48 |
| S 14 | 18 7 | 22 47 | 4 46 | 15 22 | 1 3 | 1 28 | 0 58 | 5 37 | 1 7 | 8 45 | 1 30 | 7 58 | 1 53 | 23 19 | 0 17 | 11 23 | 0 17 | 14 21 | 8 58 | 19 19 | 19 6 | 24 26 | 9 29 | 6 47 |
| S 15 | 18 22 | 25 28 | 4 12 | 15 56 | 0 57 | 1 49 | 1 3 | 5 51 | 1 7 | 8 43 | 1 30 | 7 58 | 1 52 | 23 18 | 0 17 | 11 23 | 0 17 | 14 21 | 8 58 | 19 21 | 19 7 | 24 24 | 9 29 | 6 47 |
| M16 | 18 37 | 26 23 | 3 21 | 16 30 | 0 50 | 2 10 | 1 7 | 6 5 | 1 7 | 8 41 | 1 30 | 7 58 | 1 52 | 23 18 | 0 17 | 11 23 | 0 17 | 14 21 | 8 57 | 19 23 | 19 8 | 24 23 | 9 29 | 6 46 |
| T 17 | 18 52 | 25 25 | 2 16 | 17 3 | 0 44 | 2 32 | 1 11 | 6 20 | 1 7 | 8 39 | 1 30 | 7 58 | 1 52 | 23 18 | 0 17 | 11 23 | 0 17 | 14 21 | 8 57 | 19 24 | 19 9 | 24 21 | 9 29 | 6 46 |
| W18 | 19 6 | 22 43 | 1 3 | 17 35 | 0 37 | 2 54 | 1 15 | 6 34 | 1 7 | 8 37 | 1 30 | 7 57 | 1 52 | 23 18 | 0 17 | 11 22 | 0 17 | 14 22 | 8 57 | 19 25 | 19 9 | 24 20 | 9 29 | 6 45 |
| T 19 | 19 20 | 18 37 | 0n13 | 18 7 | 0 30 | 3 16 | 1 19 | 6 48 | 1 6 | 8 35 | 1 29 | 7 57 | 1 52 | 23 18 | 0 17 | 11 22 | 0 17 | 14 22 | 8 57 | 19 25 | 19 10 | 24 18 | 9 29 | 6 44 |
| F 20 | 19 33 | 13 31 | 1 27 | 18 37 | 0 23 | 3 38 | 1 22 | 7 2 | 1 6 | 8 33 | 1 29 | 7 57 | 1 52 | 23 17 | 0 17 | 11 22 | 0 17 | 14 22 | 8 56 | 19 25 | 19 11 | 24 16 | 9 29 | 6 44 |
| S 21 | 19 47 | 7 50 | 2 35 | 19 7 | 0 16 | 4 0 | 1 26 | 7 16 | 1 6 | 8 31 | 1 29 | 7 57 | 1 52 | 23 17 | 0 17 | 11 22 | 0 17 | 14 22 | 8 56 | 19 25 | 19 12 | 24 15 | 9 29 | 6 43 |
| S 22 | 20 0 | 1 54 | 3 32 | 19 35 | 0 10 | 4 22 | 1 29 | 7 30 | 1 6 | 8 29 | 1 29 | 7 56 | 1 51 | 23 17 | 0 17 | 11 22 | 0 17 | 14 22 | 8 56 | 19 25 | 19 12 | 24 13 | 9 29 | 6 43 |
| M23 | 20 12 | 4n 0 | 4 17 | 20 2 | 0 3 | 4 45 | 1 33 | 7 44 | 1 6 | 8 28 | 1 29 | 7 56 | 1 51 | 23 17 | 0 17 | 11 22 | 0 17 | 14 23 | 8 56 | 19 26 | 19 13 | 24 12 | 9 29 | 6 42 |
| T 24 | 20 24 | 9 37 | 4 47 | 20 29 | 0s 4 | 5 7 | 1 36 | 7 58 | 1 6 | 8 26 | 1 28 | 7 56 | 1 51 | 23 17 | 0 17 | 11 22 | 0 17 | 14 23 | 8 55 | 19 27 | 19 14 | 24 10 | 9 29 | 6 42 |
| W25 | 20 36 | 14 44 | 5 2 | 20 54 | 0 11 | 5 30 | 1 39 | 8 12 | 1 5 | 8 24 | 1 28 | 7 55 | 1 51 | 23 16 | 0 17 | 11 22 | 0 17 | 14 23 | 8 55 | 19 29 | 19 15 | 24 9 | 9 29 | 6 41 |
| T 26 | 20 48 | 19 8 | 5 2 | 21 19 | 0 18 | 5 53 | 1 42 | 8 26 | 1 5 | 8 23 | 1 28 | 7 55 | 1 51 | 23 16 | 0 17 | 11 21 | 0 17 | 14 23 | 8 55 | 19 31 | 19 15 | 24 7 | 9 28 | 6 41 |
| F 27 | 20 59 | 22 37 | 4 48 | 21 42 | 0 24 | 6 15 | 1 45 | 8 40 | 1 5 | 8 22 | 1 28 | 7 54 | 1 51 | 23 16 | 0 17 | 11 21 | 0 17 | 14 24 | 8 55 | 19 34 | 19 16 | 24 6 | 9 28 | 6 40 |
| S 28 | 21 9 | 25 1 | 4 20 | 22 4 | 0 31 | 6 38 | 1 47 | 8 53 | 1 5 | 8 20 | 1 27 | 7 54 | 1 51 | 23 16 | 0 17 | 11 21 | 0 17 | 14 24 | 8 55 | 19 36 | 19 17 | 24 4 | 9 28 | 6 40 |
| S 29 | 21 20 | 26 13 | 3 40 | 22 25 | 0 37 | 7 1 | 1 50 | 9 7 | 1 5 | 8 19 | 1 27 | 7 53 | 1 51 | 23 16 | 0 17 | 11 21 | 0 17 | 14 24 | 8 54 | 19 39 | 19 17 | 24 2 | 9 28 | 6 40 |
| M30 | 21s30 | 26n 9 | 2n51 | 22s45 | 0s44 | 7s23 | 1n52 | 9s20 | 1n 5 | 8n18 | 1s27 | 7s53 | 1s50 | 23s15 | 0s17 | 11s21 | 0s17 | 14s24 | 8n54 | 19s40 | 19s18 | 24n 1 | 9s27 | 6n39 |

Julian Day Number = 2815265.5, Delta T = 54m25s
Ecliptic obliquity = 23°18'42, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'51, Lahiri = 37°47'51


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# ASTRODIENST EPHEMERIS for the year 2995
# geocentric

## DECEMBER 2995 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 41 0 | 8♐48'19 | 9♋41 | 12♐56 | 24♎47 | 27♎37 | 24°R59 | 14♓14 | 9♑29 | 0♓59 | 1♑25 | 1°R38 | 3♒18 | 15♋29 | 16♒31 | T 1 |
| W 2 | 4 44 56 | 9°48'42 | 21°29 | 14°30 | 25°55 | 28°14 | 24♈55 | 14°16 | 9°32 | 0°59 | 1°27 | 1♒36 | 3°15 | 15°35 | 16°34 | W 2 |
| T 3 | 4 48 53 | 10°49'06 | 3♌15 | 16° 4 | 27° 4 | 28°51 | 24°52 | 14°17 | 9°36 | 1° 0 | 1°29 | 1°D35 | 3°11 | 15°42 | 16°37 | T 3 |
| F 4 | 4 52 49 | 11°49'31 | 15° 3 | 17°38 | 28°13 | 29°29 | 24°49 | 14°19 | 9°39 | 1° 1 | 1°31 | 1°36 | 3° 8 | 15°49 | 16°39 | F 4 |
| S 5 | 4 56 46 | 12°49'59 | 26°59 | 19°11 | 29°22 | 0♏ 6 | 24°46 | 14°21 | 9°42 | 1° 2 | 1°33 | 1°37 | 3° 5 | 15°55 | 16°42 | S 5 |
| S 6 | 5 0 43 | 13°50'28 | 9♍ 7 | 20°45 | 0♏31 | 0°43 | 24°43 | 14°23 | 9°46 | 1° 2 | 1°36 | 1°R38 | 3° 2 | 16° 2 | 16°45 | S 6 |
| M 7 | 5 4 39 | 14°50'59 | 21°33 | 22°18 | 1°40 | 1°20 | 24°40 | 14°25 | 9°49 | 1° 3 | 1°38 | 1°38 | 2°59 | 16° 9 | 16°48 | M 7 |
| T 8 | 5 8 36 | 15°51'31 | 4♎21 | 23°50 | 2°50 | 1°58 | 24°38 | 14°27 | 9°52 | 1° 4 | 1°40 | 1°36 | 2°55 | 16°15 | 16°51 | T 8 |
| W 9 | 5 12 32 | 16°52'06 | 17°35 | 25°23 | 3°59 | 2°35 | 24°35 | 14°29 | 9°56 | 1° 5 | 1°42 | 1°33 | 2°52 | 16°22 | 16°54 | W 9 |
| T 10 | 5 16 29 | 17°52'42 | 1♏19 | 26°56 | 5° 9 | 3°12 | 24°33 | 14°31 | 9°59 | 1° 6 | 1°44 | 1°27 | 2°49 | 16°29 | 16°57 | T 10 |
| F 11 | 5 20 25 | 18°53'19 | 15°30 | 28°28 | 6°19 | 3°49 | 24°31 | 14°33 | 10° 3 | 1° 7 | 1°47 | 1°20 | 2°46 | 16°35 | 17° 0 | F 11 |
| S 12 | 5 24 22 | 19°53'59 | 0♐ 7 | 0♑ 0 | 7°29 | 4°26 | 24°30 | 14°36 | 10° 6 | 1° 8 | 1°49 | 1°14 | 2°43 | 16°42 | 17° 4 | S 12 |
| S 13 | 5 28 18 | 20°54'40 | 15° 4 | 1°32 | 8°39 | 5° 4 | 24°28 | 14°38 | 10°10 | 1° 9 | 1°51 | 1° 7 | 2°40 | 16°49 | 17° 7 | S 13 |
| M14 | 5 32 15 | 21°55'22 | 0♑11 | 3° 4 | 9°50 | 5°41 | 24°27 | 14°41 | 10°13 | 1°10 | 1°53 | 1° 3 | 2°36 | 16°55 | 17°10 | M14 |
| T 15 | 5 36 12 | 22°56'05 | 15°18 | 4°36 | 11° 0 | 6°18 | 24°26 | 14°44 | 10°17 | 1°11 | 1°56 | 1° 0 | 2°33 | 17° 2 | 17°14 | T 15 |
| W16 | 5 40 8 | 23°56'50 | 0♒18 | 6° 7 | 12°11 | 6°55 | 24°25 | 14°47 | 10°20 | 1°12 | 1°58 | 0°D59 | 2°30 | 17° 9 | 17°17 | W16 |
| T 17 | 5 44 5 | 24°57'35 | 15° 1 | 7°39 | 13°22 | 7°32 | 24°25 | 14°50 | 10°24 | 1°13 | 2° 0 | 0°59 | 2°27 | 17°15 | 17°21 | T 17 |
| F 18 | 5 48 1 | 25°58'22 | 29°23 | 9°10 | 14°33 | 8° 9 | 24°24 | 14°53 | 10°27 | 1°14 | 2° 3 | 1° 1 | 2°24 | 17°22 | 17°24 | F 18 |
| S 19 | 5 51 58 | 26°59'09 | 13♓23 | 10°41 | 15°44 | 8°46 | 24°D24 | 14°56 | 10°31 | 1°16 | 2° 5 | 1° 2 | 2°21 | 17°29 | 17°28 | S 19 |
| S 20 | 5 55 54 | 27°59'57 | 27° 0 | 12°12 | 16°55 | 9°23 | 24°24 | 14°59 | 10°35 | 1°17 | 2° 7 | 1°R 3 | 2°17 | 17°35 | 17°31 | S 20 |
| M21 | 5 59 51 | 29° 0'45 | 10♈15 | 13°42 | 18° 6 | 10° 0 | 24°25 | 15° 2 | 10°38 | 1°18 | 2° 9 | 1° 2 | 2°14 | 17°42 | 17°35 | M21 |
| T 22 | 6 3 48 | 0♑ 1'35 | 23°11 | 15°12 | 19°17 | 10°37 | 24°25 | 15° 6 | 10°42 | 1°19 | 2°12 | 1° 0 | 2°11 | 17°49 | 17°39 | T 22 |
| W23 | 6 7 44 | 1° 2'25 | 5♉51 | 16°41 | 20°29 | 11°14 | 24°26 | 15° 9 | 10°45 | 1°21 | 2°14 | 0°57 | 2° 8 | 17°55 | 17°42 | W23 |
| T 24 | 6 11 41 | 2° 3'17 | 18°17 | 18°10 | 21°40 | 11°51 | 24°27 | 15°13 | 10°49 | 1°22 | 2°16 | 0°52 | 2° 5 | 18° 2 | 17°46 | T 24 |
| F 25 | 6 15 37 | 3° 4'09 | 0♊32 | 19°38 | 22°52 | 12°28 | 24°28 | 15°16 | 10°53 | 1°24 | 2°19 | 0°47 | 2° 1 | 18° 8 | 17°50 | F 25 |
| S 26 | 6 19 34 | 4° 5'01 | 12°38 | 21° 6 | 24° 4 | 13° 5 | 24°29 | 15°20 | 10°56 | 1°25 | 2°21 | 0°42 | 1°58 | 18°15 | 17°54 | S 26 |
| S 27 | 6 23 30 | 5° 5'55 | 24°36 | 22°33 | 25°15 | 13°42 | 24°30 | 15°24 | 11° 0 | 1°26 | 2°23 | 0°38 | 1°55 | 18°22 | 17°58 | S 27 |
| M28 | 6 27 27 | 6° 6'50 | 6♋29 | 23°58 | 26°27 | 14°19 | 24°32 | 15°28 | 11° 3 | 1°28 | 2°25 | 0°35 | 1°52 | 18°28 | 18° 2 | M28 |
| T 29 | 6 31 23 | 7° 7'45 | 18°18 | 25°23 | 27°39 | 14°56 | 24°34 | 15°32 | 11° 7 | 1°29 | 2°28 | 0°33 | 1°49 | 18°35 | 18° 6 | T 29 |
| W30 | 6 35 20 | 8° 8'41 | 0♌ 5 | 26°46 | 28°51 | 15°33 | 24°36 | 15°36 | 11°11 | 1°31 | 2°30 | 0°D32 | 1°46 | 18°42 | 18°10 | W30 |
| T 31 | 6 39 17 | 9♑ 9'38 | 11♌53 | 28♑ 7 | 0♐ 4 | 16♏10 | 24♈38 | 15♓40 | 11♑14 | 1♓32 | 2♑32 | 0♒33 | 1♒42 | 18♋48 | 18♒14 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s39 | 24n52 | 1n55 | 23s 3 | 0s50 | 7s46 | 1n55 | 9s34 | 1n 4 | 8n17 | 1s27 | 7s52 | 1s50 | 23s15 | 0s17 | 11s20 | 0s17 | 14s24 | 8n54 | 19s41 | 19s19 | 23n59 | 9s27 | 6n39 |
| W 2 | 21 48 | 22 30 | 0 54 | 23 21 | 0 56 | 8 9 | 1 57 | 9 47 | 1 4 | 8 16 | 1 26 | 7 51 | 1 50 | 23 15 | 0 17 | 11 20 | 0 17 | 14 25 | 8 54 | 19 42 | 19 20 | 23 58 | 9 27 | 6 38 |
| T 3 | 21 57 | 19 11 | 0s 9 | 23 37 | 1 2 | 8 31 | 1 59 | 10 1 | 1 4 | 8 15 | 1 26 | 7 51 | 1 50 | 23 15 | 0 17 | 11 20 | 0 17 | 14 25 | 8 54 | 19 42 | 19 20 | 23 56 | 9 26 | 6 38 |
| F 4 | 22 5 | 15 5 | 1 12 | 23 52 | 1 8 | 8 54 | 2 1 | 10 14 | 1 4 | 8 14 | 1 26 | 7 50 | 1 50 | 23 14 | 0 17 | 11 20 | 0 17 | 14 25 | 8 53 | 19 42 | 19 21 | 23 54 | 9 26 | 6 37 |
| S 5 | 22 13 | 10 22 | 2 13 | 24 6 | 1 14 | 9 16 | 2 3 | 10 27 | 1 4 | 8 13 | 1 26 | 7 49 | 1 50 | 23 14 | 0 17 | 11 19 | 0 17 | 14 25 | 8 53 | 19 42 | 19 22 | 23 53 | 9 26 | 6 37 |
| S 6 | 22 20 | 5 11 | 3 9 | 24 19 | 1 20 | 9 39 | 2 4 | 10 40 | 1 3 | 8 12 | 1 25 | 7 48 | 1 50 | 23 14 | 0 17 | 11 19 | 0 17 | 14 25 | 8 53 | 19 41 | 19 23 | 23 51 | 9 25 | 6 36 |
| M 7 | 22 27 | 0s18 | 3 57 | 24 30 | 1 25 | 10 1 | 2 6 | 10 53 | 1 3 | 8 11 | 1 25 | 7 47 | 1 49 | 23 14 | 0 17 | 11 19 | 0 17 | 14 25 | 8 53 | 19 41 | 19 23 | 23 49 | 9 25 | 6 36 |
| T 8 | 22 34 | 5 56 | 4 36 | 24 40 | 1 30 | 10 23 | 2 7 | 11 6 | 1 3 | 8 11 | 1 25 | 7 46 | 1 49 | 23 13 | 0 17 | 11 19 | 0 17 | 14 25 | 8 53 | 19 42 | 19 24 | 23 48 | 9 24 | 6 35 |
| W 9 | 22 40 | 11 30 | 5 1 | 24 49 | 1 36 | 10 46 | 2 9 | 11 19 | 1 3 | 8 10 | 1 24 | 7 46 | 1 49 | 23 13 | 0 17 | 11 18 | 0 17 | 14 26 | 8 52 | 19 43 | 19 25 | 23 46 | 9 24 | 6 35 |
| T 10 | 22 46 | 16 42 | 5 10 | 24 57 | 1 40 | 11 8 | 2 10 | 11 32 | 1 3 | 8 10 | 1 24 | 7 45 | 1 49 | 23 13 | 0 17 | 11 18 | 0 17 | 14 26 | 8 52 | 19 44 | 19 25 | 23 44 | 9 23 | 6 35 |
| F 11 | 22 51 | 21 11 | 5 0 | 25 3 | 1 45 | 11 30 | 2 11 | 11 45 | 1 2 | 8 9 | 1 24 | 7 43 | 1 49 | 23 13 | 0 17 | 11 18 | 0 17 | 14 26 | 8 52 | 19 45 | 19 26 | 23 43 | 9 23 | 6 34 |
| S 12 | 22 56 | 24 29 | 4 31 | 25 8 | 1 50 | 11 51 | 2 12 | 11 57 | 1 2 | 8 9 | 1 24 | 7 42 | 1 49 | 23 12 | 0 17 | 11 17 | 0 17 | 14 26 | 8 52 | 19 47 | 19 27 | 23 41 | 9 22 | 6 34 |
| S 13 | 23 0 | 26 11 | 3 44 | 25 12 | 1 54 | 12 13 | 2 13 | 12 10 | 1 2 | 8 9 | 1 23 | 7 41 | 1 49 | 23 12 | 0 17 | 11 17 | 0 17 | 14 26 | 8 52 | 19 48 | 19 28 | 23 39 | 9 22 | 6 33 |
| M14 | 23 4 | 25 58 | 2 40 | 25 14 | 1 58 | 12 34 | 2 14 | 12 23 | 1 2 | 8 8 | 1 23 | 7 40 | 1 49 | 23 12 | 0 17 | 11 17 | 0 17 | 14 26 | 8 52 | 19 49 | 19 28 | 23 38 | 9 21 | 6 33 |
| T 15 | 23 7 | 23 50 | 1 24 | 25 15 | 2 1 | 12 55 | 2 14 | 12 35 | 1 1 | 8 8 | 1 23 | 7 39 | 1 48 | 23 12 | 0 17 | 11 16 | 0 17 | 14 26 | 8 52 | 19 50 | 19 29 | 23 36 | 9 21 | 6 32 |
| W16 | 23 10 | 20 2 | 0 4 | 25 15 | 2 5 | 13 16 | 2 15 | 12 47 | 1 1 | 8 8 | 1 22 | 7 38 | 1 48 | 23 11 | 0 17 | 11 16 | 0 17 | 14 26 | 8 51 | 19 50 | 19 30 | 23 34 | 9 20 | 6 32 |
| T 17 | 23 13 | 15 2 | 1n16 | 25 13 | 2 8 | 13 37 | 2 15 | 12 59 | 1 1 | 8 8 | 1 22 | 7 37 | 1 48 | 23 11 | 0 17 | 11 15 | 0 17 | 14 27 | 8 51 | 19 50 | 19 31 | 23 33 | 9 19 | 6 32 |
| F 18 | 23 15 | 9 18 | 2 29 | 25 10 | 2 11 | 13 57 | 2 15 | 13 12 | 1 1 | 8 8 | 1 22 | 7 35 | 1 48 | 23 11 | 0 17 | 11 15 | 0 17 | 14 27 | 8 51 | 19 50 | 19 31 | 23 31 | 9 19 | 6 31 |
| S 19 | 23 17 | 3 15 | 3 31 | 25 6 | 2 13 | 14 18 | 2 16 | 13 24 | 1 0 | 8 9 | 1 22 | 7 34 | 1 48 | 23 11 | 0 17 | 11 14 | 0 17 | 14 27 | 8 51 | 19 49 | 19 32 | 23 29 | 9 18 | 6 31 |
| S 20 | 23 18 | 2n47 | 4 20 | 25 0 | 2 15 | 14 38 | 2 16 | 13 36 | 1 0 | 8 9 | 1 21 | 7 33 | 1 48 | 23 10 | 0 17 | 11 14 | 0 17 | 14 27 | 8 51 | 19 49 | 19 33 | 23 28 | 9 17 | 6 30 |
| M21 | 23 18 | 8 32 | 4 53 | 24 53 | 2 17 | 14 57 | 2 16 | 13 47 | 1 0 | 8 9 | 1 21 | 7 31 | 1 48 | 23 10 | 0 17 | 11 14 | 0 17 | 14 27 | 8 51 | 19 49 | 19 33 | 23 26 | 9 17 | 6 30 |
| T 22 | 23 19 | 13 46 | 5 10 | 24 44 | 2 18 | 15 17 | 2 16 | 13 59 | 1 0 | 8 10 | 1 21 | 7 30 | 1 47 | 23 10 | 0 17 | 11 13 | 0 18 | 14 27 | 8 51 | 19 50 | 19 34 | 23 24 | 9 16 | 6 30 |
| W23 | 23 18 | 18 18 | 5 12 | 24 35 | 2 19 | 15 36 | 2 15 | 14 11 | 0 59 | 8 10 | 1 20 | 7 28 | 1 47 | 23 9 | 0 17 | 11 13 | 0 18 | 14 27 | 8 51 | 19 50 | 19 35 | 23 22 | 9 15 | 6 29 |
| T 24 | 23 18 | 21 58 | 4 59 | 24 23 | 2 20 | 15 55 | 2 15 | 14 22 | 0 59 | 8 11 | 1 20 | 7 27 | 1 47 | 23 9 | 0 17 | 11 12 | 0 18 | 14 27 | 8 51 | 19 51 | 19 36 | 23 21 | 9 14 | 6 29 |
| F 25 | 23 17 | 24 35 | 4 32 | 24 11 | 2 19 | 16 13 | 2 15 | 14 34 | 0 59 | 8 12 | 1 20 | 7 25 | 1 47 | 23 9 | 0 17 | 11 12 | 0 18 | 14 27 | 8 50 | 19 53 | 19 36 | 23 19 | 9 14 | 6 29 |
| S 26 | 23 15 | 26 3 | 3 54 | 23 57 | 2 19 | 16 31 | 2 14 | 14 45 | 0 58 | 8 12 | 1 19 | 7 24 | 1 47 | 23 9 | 0 17 | 11 11 | 0 18 | 14 27 | 8 50 | 19 54 | 19 37 | 23 17 | 9 13 | 6 28 |
| S 27 | 23 13 | 26 17 | 3 5 | 23 42 | 2 18 | 16 49 | 2 14 | 14 57 | 0 58 | 8 13 | 1 19 | 7 22 | 1 47 | 23 8 | 0 17 | 11 11 | 0 18 | 14 27 | 8 50 | 19 54 | 19 38 | 23 15 | 9 12 | 6 28 |
| M28 | 23 10 | 25 18 | 2 9 | 23 26 | 2 16 | 17 6 | 2 13 | 15 8 | 0 58 | 8 14 | 1 19 | 7 20 | 1 47 | 23 8 | 0 17 | 11 10 | 0 18 | 14 27 | 8 50 | 19 55 | 19 38 | 23 14 | 9 11 | 6 28 |
| T 29 | 23 7 | 23 11 | 1 7 | 23 9 | 2 14 | 17 23 | 2 12 | 15 19 | 0 58 | 8 15 | 1 19 | 7 19 | 1 47 | 23 8 | 0 17 | 11 10 | 0 18 | 14 27 | 8 50 | 19 56 | 19 39 | 23 12 | 9 10 | 6 27 |
| W30 | 23 4 | 20 4 | 0 3 | 22 50 | 2 11 | 17 40 | 2 11 | 15 30 | 0 57 | 8 16 | 1 18 | 7 17 | 1 47 | 23 7 | 0 17 | 11 9 | 0 18 | 14 27 | 8 50 | 19 56 | 19 40 | 23 10 | 9 9 | 6 27 |
| T 31 | 23s 0 | 16n 8 | 1s 2 | 22s30 | 2s 7 | 17s56 | 2n10 | 15s41 | 0n57 | 8n17 | 1s18 | 7s15 | 1s46 | 23s 7 | 0s17 | 11s 9 | 0s18 | 14s27 | 8n50 | 19s56 | 19s40 | 23n 8 | 9s 8 | 6n27 |

Julian Day Number = 2815295.5, Delta T = 54m25s
Ecliptic obliquity = 23°18'41, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'55, Lahiri = 37°47'55


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# ASTRODIENST EPHEMERIS for the year 2996
# geocentric

## JANUARY 2996 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 6 43 13 | 10♑10'36 | 23♌45 | 29♑26 | 1♐16 | 16♏46 | 24♈41 | 15♓45 | 11♑18 | 1♓34 | 2♑34 | 0♒34 | 1♒39 | 18♋55 | 18♒18 | F 1 |
| S 2 | 6 47 10 | 11°11'35 | 5♍43 | 0♒44 | 2°28 | 17°23 | 24°44 | 15°49 | 11°22 | 1°36 | 2°37 | 0°35 | 1°36 | 19° 2 | 18°22 | S 2 |
| S 3 | 6 51 6 | 12°12'34 | 17°53 | 1°58 | 3°41 | 18° 0 | 24°47 | 15°53 | 11°25 | 1°37 | 2°39 | 0°37 | 1°33 | 19° 8 | 18°26 | S 3 |
| M 4 | 6 55 3 | 13°13'35 | 0♎17 | 3° 9 | 4°53 | 18°37 | 24°50 | 15°58 | 11°29 | 1°39 | 2°41 | 0°38 | 1°30 | 19°15 | 18°31 | M 4 |
| T 5 | 6 58 59 | 14°14'36 | 13° 1 | 4°16 | 6° 6 | 19°13 | 24°53 | 16° 2 | 11°33 | 1°40 | 2°44 | 0°R39 | 1°27 | 19°22 | 18°35 | T 5 |
| W 6 | 7 2 56 | 15°15'38 | 26° 7 | 5°19 | 7°18 | 19°50 | 24°57 | 16° 7 | 11°36 | 1°42 | 2°46 | 0°38 | 1°23 | 19°28 | 18°39 | W 6 |
| T 7 | 7 6 52 | 16°16'41 | 9♏40 | 6°18 | 8°31 | 20°27 | 25° 0 | 16°12 | 11°40 | 1°44 | 2°48 | 0°37 | 1°20 | 19°35 | 18°43 | T 7 |
| F 8 | 7 10 49 | 17°17'45 | 23°41 | 7°10 | 9°44 | 21° 4 | 25° 4 | 16°17 | 11°44 | 1°46 | 2°50 | 0°36 | 1°17 | 19°42 | 18°48 | F 8 |
| S 9 | 7 14 46 | 18°18'50 | 8♐ 8 | 7°56 | 10°57 | 21°40 | 25° 8 | 16°21 | 11°47 | 1°47 | 2°52 | 0°34 | 1°14 | 19°48 | 18°52 | S 9 |
| S 10 | 7 18 42 | 19°19'55 | 22°59 | 8°35 | 12°10 | 22°17 | 25°13 | 16°26 | 11°51 | 1°49 | 2°55 | 0°33 | 1°11 | 19°55 | 18°57 | S 10 |
| M11 | 7 22 39 | 20°21'01 | 8♑ 5 | 9° 6 | 13°23 | 22°53 | 25°17 | 16°31 | 11°54 | 1°51 | 2°57 | 0°32 | 1° 7 | 20° 1 | 19° 1 | M11 |
| T 12 | 7 26 35 | 21°22'08 | 23°20 | 9°27 | 14°36 | 23°30 | 25°22 | 16°37 | 11°58 | 1°53 | 2°59 | 0°D31 | 1° 4 | 20° 8 | 19° 6 | T 12 |
| W13 | 7 30 32 | 22°23'14 | 8♒32 | 9°38 | 15°49 | 24° 7 | 25°26 | 16°42 | 12° 2 | 1°55 | 3° 1 | 0°31 | 1° 1 | 20°15 | 19°10 | W13 |
| T 14 | 7 34 28 | 23°24'21 | 23°31 | 9°R39 | 17° 2 | 24°43 | 25°32 | 16°47 | 12° 5 | 1°56 | 3° 3 | 0°32 | 0°58 | 20°21 | 19°15 | T 14 |
| F 15 | 7 38 25 | 24°25'28 | 8♓12 | 9°28 | 18°15 | 25°20 | 25°37 | 16°52 | 12° 9 | 1°58 | 3° 6 | 0°32 | 0°55 | 20°28 | 19°19 | F 15 |
| S 16 | 7 42 22 | 25°26'35 | 22°27 | 9° 5 | 19°28 | 25°56 | 25°42 | 16°58 | 12°12 | 2° 0 | 3° 8 | 0°33 | 0°52 | 20°35 | 19°24 | S 16 |
| S 17 | 7 46 18 | 26°27'41 | 6♈16 | 8°31 | 20°42 | 26°32 | 25°48 | 17° 3 | 12°16 | 2° 2 | 3°10 | 0°33 | 0°48 | 20°41 | 19°28 | S 17 |
| M18 | 7 50 15 | 27°28'48 | 19°38 | 7°44 | 21°55 | 27° 9 | 25°53 | 17° 9 | 12°20 | 2° 4 | 3°12 | 0°33 | 0°45 | 20°48 | 19°33 | M18 |
| T 19 | 7 54 11 | 28°29'54 | 2♉36 | 6°48 | 23° 8 | 27°45 | 25°59 | 17°14 | 12°23 | 2° 6 | 3°14 | 0°R33 | 0°42 | 20°55 | 19°38 | T 19 |
| W20 | 7 58 8 | 29°31'00 | 15°13 | 5°42 | 24°22 | 28°21 | 26° 6 | 17°20 | 12°27 | 2° 8 | 3°16 | 0°33 | 0°39 | 21° 1 | 19°42 | W20 |
| T 21 | 8 2 4 | 0♒32'06 | 27°32 | 4°29 | 25°35 | 28°58 | 26°12 | 17°26 | 12°30 | 2°10 | 3°18 | 0°D33 | 0°36 | 21° 8 | 19°47 | T 21 |
| F 22 | 8 6 1 | 1°33'11 | 9♊39 | 3°11 | 26°49 | 29°34 | 26°18 | 17°31 | 12°34 | 2°12 | 3°20 | 0°33 | 0°33 | 21°15 | 19°52 | F 22 |
| S 23 | 8 9 57 | 2°34'17 | 21°35 | 1°50 | 28° 2 | 0♐10 | 26°25 | 17°37 | 12°37 | 2°14 | 3°23 | 0°34 | 0°29 | 21°21 | 19°56 | S 23 |
| S 24 | 8 13 54 | 3°35'22 | 3♋26 | 0°30 | 29°16 | 0°46 | 26°32 | 17°43 | 12°41 | 2°16 | 3°25 | 0°34 | 0°26 | 21°28 | 20° 1 | S 24 |
| M25 | 8 17 51 | 4°36'27 | 15°14 | 29♑12 | 0♑29 | 1°23 | 26°39 | 17°49 | 12°44 | 2°18 | 3°27 | 0°34 | 0°23 | 21°35 | 20° 6 | M25 |
| T 26 | 8 21 47 | 5°37'31 | 27° 2 | 27°59 | 1°43 | 1°59 | 26°46 | 17°55 | 12°48 | 2°20 | 3°29 | 0°R34 | 0°20 | 21°41 | 20°11 | T 26 |
| W27 | 8 25 44 | 6°38'36 | 8♌52 | 26°53 | 2°57 | 2°35 | 26°53 | 18° 1 | 12°51 | 2°22 | 3°31 | 0°34 | 0°17 | 21°48 | 20°15 | W27 |
| T 28 | 8 29 40 | 7°39'40 | 20°46 | 25°56 | 4°11 | 3°11 | 27° 0 | 18° 7 | 12°54 | 2°25 | 3°33 | 0°34 | 0°13 | 21°54 | 20°20 | T 28 |
| F 29 | 8 33 37 | 8°40'44 | 2♍46 | 25° 7 | 5°24 | 3°47 | 27° 8 | 18°13 | 12°58 | 2°27 | 3°35 | 0°33 | 0°10 | 22° 1 | 20°25 | F 29 |
| S 30 | 8 37 33 | 9°41'47 | 14°54 | 24°28 | 6°38 | 4°23 | 27°16 | 18°19 | 13° 1 | 2°29 | 3°37 | 0°32 | 0° 7 | 22° 8 | 20°30 | S 30 |
| S 31 | 8 41 30 | 10♒42'51 | 27♍12 | 23♑58 | 7♑52 | 4♐59 | 27♈24 | 18♓26 | 13♑ 4 | 2♓31 | 3♑38 | 0♒30 | 0♒ 4 | 22♋14 | 20♒35 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s55 | 11n34 | 2s 5 | 22s10 | 2s 3 | 18s12 | 2n 9 | 15s51 | 0n57 | 8n18 | 1s18 | 7s14 | 1s46 | 23s 7 | 0s17 | 11s 8 | 0s18 | 14s27 | 8n50 | 19s55 | 19s41 | 23n 7 | 9s 8 | 6n26 |
| S 2 | 22 51 | 6 32 | 3 3 | 21 48 | 1 58 | 18 27 | 2 8 | 16 2 | 0 56 | 8 20 | 1 17 | 7 12 | 1 46 | 23 6 | 0 17 | 11 7 | 0 18 | 14 27 | 8 50 | 19 55 | 19 42 | 23 5 | 9 7 | 6 26 |
| S 3 | 22 45 | 1 11 | 3 53 | 21 26 | 1 52 | 18 42 | 2 7 | 16 12 | 0 56 | 8 21 | 1 17 | 7 10 | 1 46 | 23 6 | 0 17 | 11 7 | 0 18 | 14 27 | 8 50 | 19 55 | 19 43 | 23 3 | 9 6 | 6 26 |
| M 4 | 22 39 | 4s18 | 4 34 | 21 3 | 1 45 | 18 57 | 2 5 | 16 23 | 0 56 | 8 22 | 1 17 | 7 8 | 1 46 | 23 6 | 0 17 | 11 6 | 0 18 | 14 27 | 8 50 | 19 54 | 19 43 | 23 1 | 9 5 | 6 25 |
| T 5 | 22 33 | 9 45 | 5 2 | 20 39 | 1 37 | 19 11 | 2 4 | 16 33 | 0 55 | 8 24 | 1 17 | 7 6 | 1 46 | 23 6 | 0 17 | 11 6 | 0 18 | 14 27 | 8 50 | 19 54 | 19 44 | 22 59 | 9 4 | 6 25 |
| W 6 | 22 27 | 14 56 | 5 16 | 20 16 | 1 28 | 19 24 | 2 2 | 16 43 | 0 55 | 8 25 | 1 16 | 7 4 | 1 46 | 23 5 | 0 17 | 11 5 | 0 18 | 14 27 | 8 50 | 19 54 | 19 45 | 22 58 | 9 3 | 6 25 |
| T 7 | 22 20 | 19 35 | 5 13 | 19 52 | 1 18 | 19 37 | 2 1 | 16 53 | 0 55 | 8 27 | 1 16 | 7 3 | 1 46 | 23 5 | 0 17 | 11 5 | 0 18 | 14 27 | 8 50 | 19 55 | 19 45 | 22 56 | 9 2 | 6 25 |
| F 8 | 22 12 | 23 18 | 4 52 | 19 28 | 1 7 | 19 50 | 1 59 | 17 3 | 0 54 | 8 29 | 1 16 | 7 1 | 1 46 | 23 5 | 0 17 | 11 4 | 0 18 | 14 27 | 8 50 | 19 55 | 19 46 | 22 54 | 9 1 | 6 24 |
| S 9 | 22 4 | 25 41 | 4 12 | 19 4 | 0 55 | 20 2 | 1 57 | 17 13 | 0 54 | 8 30 | 1 15 | 6 59 | 1 46 | 23 4 | 0 17 | 11 3 | 0 18 | 14 27 | 8 50 | 19 55 | 19 47 | 22 52 | 8 59 | 6 24 |
| S 10 | 21 56 | 26 21 | 3 14 | 18 42 | 0 42 | 20 13 | 1 56 | 17 23 | 0 53 | 8 32 | 1 15 | 6 57 | 1 45 | 23 4 | 0 17 | 11 3 | 0 18 | 14 27 | 8 50 | 19 56 | 19 47 | 22 50 | 8 58 | 6 24 |
| M11 | 21 47 | 25 5 | 2 1 | 18 20 | 0 27 | 20 24 | 1 54 | 17 32 | 0 53 | 8 34 | 1 15 | 6 55 | 1 45 | 23 4 | 0 17 | 11 2 | 0 18 | 14 27 | 8 50 | 19 56 | 19 48 | 22 49 | 8 57 | 6 24 |
| T 12 | 21 37 | 21 58 | 0 40 | 17 59 | 0 12 | 20 34 | 1 52 | 17 42 | 0 53 | 8 36 | 1 15 | 6 53 | 1 45 | 23 3 | 0 17 | 11 1 | 0 18 | 14 27 | 8 50 | 19 56 | 19 49 | 22 47 | 8 56 | 6 23 |
| W13 | 21 28 | 17 19 | 0n44 | 17 40 | 0n 5 | 20 44 | 1 50 | 17 51 | 0 52 | 8 38 | 1 14 | 6 50 | 1 45 | 23 3 | 0 17 | 11 1 | 0 18 | 14 27 | 8 50 | 19 56 | 19 49 | 22 45 | 8 55 | 6 23 |
| T 14 | 21 18 | 11 39 | 2 5 | 17 23 | 0 22 | 20 54 | 1 48 | 18 0 | 0 52 | 8 40 | 1 14 | 6 48 | 1 45 | 23 3 | 0 17 | 11 0 | 0 18 | 14 27 | 8 50 | 19 56 | 19 50 | 22 43 | 8 54 | 6 23 |
| F 15 | 21 7 | 5 26 | 3 15 | 17 8 | 0 41 | 21 2 | 1 46 | 18 10 | 0 52 | 8 42 | 1 14 | 6 46 | 1 45 | 23 2 | 0 17 | 10 59 | 0 18 | 14 27 | 8 50 | 19 56 | 19 51 | 22 41 | 8 53 | 6 23 |
| S 16 | 20 56 | 0n52 | 4 11 | 16 56 | 1 0 | 21 11 | 1 44 | 18 18 | 0 51 | 8 44 | 1 13 | 6 44 | 1 45 | 23 2 | 0 17 | 10 59 | 0 18 | 14 27 | 8 50 | 19 56 | 19 52 | 22 39 | 8 52 | 6 22 |
| S 17 | 20 45 | 6 55 | 4 50 | 16 46 | 1 19 | 21 18 | 1 41 | 18 27 | 0 51 | 8 47 | 1 13 | 6 42 | 1 45 | 23 2 | 0 17 | 10 58 | 0 18 | 14 27 | 8 50 | 19 55 | 19 52 | 22 37 | 8 50 | 6 22 |
| M18 | 20 33 | 12 28 | 5 12 | 16 39 | 1 38 | 21 25 | 1 39 | 18 36 | 0 50 | 8 49 | 1 13 | 6 40 | 1 45 | 23 2 | 0 17 | 10 57 | 0 18 | 14 27 | 8 50 | 19 55 | 19 53 | 22 36 | 8 49 | 6 22 |
| T 19 | 20 21 | 17 17 | 5 18 | 16 35 | 1 57 | 21 32 | 1 37 | 18 45 | 0 50 | 8 51 | 1 13 | 6 37 | 1 45 | 23 1 | 0 17 | 10 57 | 0 18 | 14 27 | 8 50 | 19 55 | 19 54 | 22 34 | 8 48 | 6 22 |
| W20 | 20 9 | 21 13 | 5 8 | 16 34 | 2 14 | 21 37 | 1 34 | 18 53 | 0 49 | 8 54 | 1 12 | 6 35 | 1 45 | 23 1 | 0 17 | 10 56 | 0 18 | 14 27 | 8 50 | 19 55 | 19 54 | 22 32 | 8 47 | 6 22 |
| T 21 | 19 56 | 24 6 | 4 44 | 16 36 | 2 31 | 21 42 | 1 32 | 19 1 | 0 49 | 8 56 | 1 12 | 6 33 | 1 44 | 23 1 | 0 17 | 10 55 | 0 18 | 14 27 | 8 50 | 19 55 | 19 55 | 22 30 | 8 45 | 6 21 |
| F 22 | 19 42 | 25 51 | 4 7 | 16 40 | 2 45 | 21 47 | 1 29 | 19 10 | 0 49 | 8 59 | 1 12 | 6 31 | 1 44 | 23 0 | 0 17 | 10 55 | 0 18 | 14 26 | 8 50 | 19 55 | 19 56 | 22 28 | 8 44 | 6 21 |
| S 23 | 19 29 | 26 23 | 3 20 | 16 45 | 2 58 | 21 51 | 1 27 | 19 18 | 0 48 | 9 2 | 1 12 | 6 28 | 1 44 | 23 0 | 0 17 | 10 54 | 0 18 | 14 26 | 8 50 | 19 55 | 19 56 | 22 26 | 8 43 | 6 21 |
| S 24 | 19 15 | 25 41 | 2 25 | 16 53 | 3 8 | 21 54 | 1 24 | 19 26 | 0 48 | 9 4 | 1 11 | 6 26 | 1 44 | 23 0 | 0 17 | 10 53 | 0 18 | 14 26 | 8 50 | 19 55 | 19 57 | 22 24 | 8 42 | 6 21 |
| M25 | 19 1 | 23 51 | 1 24 | 17 2 | 3 15 | 21 57 | 1 22 | 19 33 | 0 47 | 9 7 | 1 11 | 6 23 | 1 44 | 22 59 | 0 17 | 10 52 | 0 18 | 14 26 | 8 50 | 19 55 | 19 58 | 22 22 | 8 40 | 6 21 |
| T 26 | 18 46 | 20 58 | 0 20 | 17 11 | 3 20 | 21 59 | 1 19 | 19 41 | 0 47 | 9 10 | 1 11 | 6 21 | 1 44 | 22 59 | 0 17 | 10 52 | 0 18 | 14 26 | 8 50 | 19 55 | 19 58 | 22 20 | 8 39 | 6 21 |
| W27 | 18 31 | 17 12 | 0s46 | 17 21 | 3 22 | 22 0 | 1 16 | 19 49 | 0 46 | 9 13 | 1 11 | 6 19 | 1 44 | 22 59 | 0 17 | 10 51 | 0 18 | 14 26 | 8 50 | 19 55 | 19 59 | 22 19 | 8 38 | 6 20 |
| T 28 | 18 15 | 12 46 | 1 50 | 17 32 | 3 22 | 22 1 | 1 14 | 19 56 | 0 46 | 9 16 | 1 10 | 6 16 | 1 44 | 22 58 | 0 17 | 10 50 | 0 18 | 14 26 | 8 50 | 19 55 | 20 0 | 22 17 | 8 36 | 6 20 |
| F 29 | 18 0 | 7 48 | 2 50 | 17 43 | 3 20 | 22 1 | 1 11 | 20 3 | 0 45 | 9 18 | 1 10 | 6 14 | 1 44 | 22 58 | 0 17 | 10 49 | 0 18 | 14 26 | 8 50 | 19 56 | 20 0 | 22 15 | 8 35 | 6 20 |
| S 30 | 17 44 | 2 30 | 3 42 | 17 54 | 3 16 | 22 1 | 1 8 | 20 10 | 0 45 | 9 21 | 1 10 | 6 11 | 1 44 | 22 58 | 0 17 | 10 49 | 0 18 | 14 26 | 8 50 | 19 56 | 20 1 | 22 13 | 8 34 | 6 20 |
| S 31 | 17s27 | 2s57 | 4s25 | 18s 4 | 3n11 | 22s 0 | 1n 5 | 20s17 | 0n44 | 9n24 | 1s 9 | 6s 9 | 1s44 | 22s57 | 0s17 | 10s48 | 0s18 | 14s25 | 8n50 | 19s56 | 20s 2 | 22n11 | 8s32 | 6n20 |

Julian Day Number = 2815326.5, Delta T = 54m26s
Ecliptic obliquity = 23°18'41, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°40'59, Lahiri = 37°48'00


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# ASTRODIENST EPHEMERIS for the year 2996
# geocentric

## FEBRUARY 2996 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 8 45 26 | 11♒43'54 | 9♎43 | 23°R38 | 9♑ 6 | 5♐35 | 27♈32 | 18♓32 | 13♑ 8 | 2♓33 | 3♑40 | 0°R29 | 0♒ 1 | 22♋21 | 20♒39 | M 1 |
| T 2 | 8 49 23 | 12°44'57 | 22°30 | 23♑28 | 10°20 | 6°11 | 27°40 | 18°38 | 13°11 | 2°35 | 3°42 | 0♒28 | 29♑58 | 22°28 | 20°44 | T 2 |
| W 3 | 8 53 20 | 13°46'00 | 5♏34 | 23°D26 | 11°34 | 6°46 | 27°48 | 18°45 | 13°14 | 2°37 | 3°44 | 0°27 | 29°54 | 22°34 | 20°49 | W 3 |
| T 4 | 8 57 16 | 14°47'02 | 18°59 | 23°32 | 12°48 | 7°22 | 27°57 | 18°51 | 13°18 | 2°40 | 3°46 | 0°D27 | 29°51 | 22°41 | 20°54 | T 4 |
| F 5 | 9 1 13 | 15°48'05 | 2♐46 | 23°46 | 14° 2 | 7°58 | 28° 5 | 18°58 | 13°21 | 2°42 | 3°48 | 0°27 | 29°48 | 22°48 | 20°59 | F 5 |
| S 6 | 9 5 9 | 16°49'07 | 16°56 | 24° 7 | 15°16 | 8°34 | 28°14 | 19° 4 | 13°24 | 2°44 | 3°50 | 0°28 | 29°45 | 22°54 | 21° 4 | S 6 |
| S 7 | 9 9 6 | 17°50'09 | 1♑27 | 24°34 | 16°30 | 9° 9 | 28°23 | 19°11 | 13°27 | 2°46 | 3°51 | 0°30 | 29°42 | 23° 1 | 21° 9 | S 7 |
| M 8 | 9 13 2 | 18°51'11 | 16°16 | 25° 7 | 17°44 | 9°45 | 28°32 | 19°17 | 13°30 | 2°48 | 3°53 | 0°31 | 29°39 | 23° 8 | 21°13 | M 8 |
| T 9 | 9 16 59 | 19°52'12 | 1♒18 | 25°46 | 18°58 | 10°21 | 28°41 | 19°24 | 13°34 | 2°51 | 3°55 | 0°R31 | 29°35 | 23°14 | 21°18 | T 9 |
| W10 | 9 20 55 | 20°53'13 | 16°23 | 26°29 | 20°12 | 10°56 | 28°50 | 19°31 | 13°37 | 2°53 | 3°57 | 0°31 | 29°32 | 23°21 | 21°23 | W10 |
| T 11 | 9 24 52 | 21°54'12 | 1♓23 | 27°16 | 21°26 | 11°32 | 29° 0 | 19°37 | 13°40 | 2°55 | 3°58 | 0°29 | 29°29 | 23°28 | 21°28 | T 11 |
| F 12 | 9 28 49 | 22°55'11 | 16°10 | 28° 7 | 22°40 | 12° 7 | 29° 9 | 19°44 | 13°43 | 2°57 | 4° 0 | 0°26 | 29°26 | 23°34 | 21°33 | F 12 |
| S 13 | 9 32 45 | 23°56'09 | 0♈36 | 29° 2 | 23°54 | 12°42 | 29°19 | 19°51 | 13°46 | 3° 0 | 4° 2 | 0°23 | 29°23 | 23°41 | 21°38 | S 13 |
| S 14 | 9 36 42 | 24°57'06 | 14°36 | 29°59 | 25° 9 | 13°18 | 29°29 | 19°58 | 13°49 | 3° 2 | 4° 3 | 0°19 | 29°19 | 23°47 | 21°43 | S 14 |
| M15 | 9 40 38 | 25°58'02 | 28° 8 | 1♒ 1 | 26°23 | 13°53 | 29°39 | 20° 5 | 13°52 | 3° 4 | 4° 5 | 0°16 | 29°16 | 23°54 | 21°47 | M15 |
| T 16 | 9 44 35 | 26°58'56 | 11♉14 | 2° 4 | 27°37 | 14°28 | 29°49 | 20°12 | 13°55 | 3° 6 | 4° 6 | 0°14 | 29°13 | 24° 1 | 21°52 | T 16 |
| W17 | 9 48 31 | 27°59'50 | 23°54 | 3°10 | 28°51 | 15° 3 | 29°59 | 20°18 | 13°58 | 3° 9 | 4° 8 | 0°D13 | 29°10 | 24° 7 | 21°57 | W17 |
| T 18 | 9 52 28 | 29° 0'42 | 6♊15 | 4°18 | 0♒ 5 | 15°39 | 0♉ 9 | 20°25 | 14° 0 | 3°11 | 4° 9 | 0°13 | 29° 7 | 24°14 | 22° 2 | T 18 |
| F 19 | 9 56 24 | 0♓ 1'33 | 18°19 | 5°28 | 1°20 | 16°14 | 0°20 | 20°32 | 14° 3 | 3°13 | 4°11 | 0°14 | 29° 4 | 24°21 | 22° 7 | F 19 |
| S 20 | 10 0 21 | 1° 2'23 | 0♋13 | 6°40 | 2°34 | 16°49 | 0°30 | 20°39 | 14° 6 | 3°16 | 4°12 | 0°16 | 29° 0 | 24°27 | 22°12 | S 20 |
| S 21 | 10 4 18 | 2° 3'11 | 12° 1 | 7°54 | 3°48 | 17°24 | 0°41 | 20°46 | 14° 9 | 3°18 | 4°14 | 0°18 | 28°57 | 24°34 | 22°16 | S 21 |
| M22 | 10 8 14 | 3° 3'58 | 23°47 | 9° 9 | 5° 2 | 17°59 | 0°52 | 20°54 | 14°11 | 3°20 | 4°15 | 0°19 | 28°54 | 24°41 | 22°21 | M22 |
| T 23 | 10 12 11 | 4° 4'44 | 5♌36 | 10°26 | 6°17 | 18°33 | 1° 3 | 21° 1 | 14°14 | 3°22 | 4°17 | 0°R19 | 28°51 | 24°47 | 22°26 | T 23 |
| W24 | 10 16 7 | 5° 5'28 | 17°31 | 11°45 | 7°31 | 19° 8 | 1°14 | 21° 8 | 14°17 | 3°25 | 4°18 | 0°17 | 28°48 | 24°54 | 22°31 | W24 |
| T 25 | 10 20 4 | 6° 6'11 | 29°33 | 13° 4 | 8°45 | 19°43 | 1°25 | 21°15 | 14°19 | 3°27 | 4°19 | 0°14 | 28°44 | 25° 1 | 22°36 | T 25 |
| F 26 | 10 24 0 | 7° 6'53 | 11♍45 | 14°25 | 10° 0 | 20°17 | 1°36 | 21°22 | 14°22 | 3°29 | 4°21 | 0° 9 | 28°41 | 25° 7 | 22°40 | F 26 |
| S 27 | 10 27 57 | 8° 7'34 | 24° 9 | 15°48 | 11°14 | 20°52 | 1°47 | 21°29 | 14°24 | 3°31 | 4°22 | 0° 2 | 28°38 | 25°14 | 22°45 | S 27 |
| S 28 | 10 31 53 | 9° 8'13 | 6♎44 | 17°11 | 12°28 | 21°27 | 1°59 | 21°36 | 14°27 | 3°34 | 4°23 | 29♑55 | 28°35 | 25°20 | 22°50 | S 28 |
| M29 | 10 35 50 | 10♓ 8'51 | 19♎32 | 18♒35 | 13♒43 | 22♐ 1 | 2♉10 | 21♓43 | 14♑29 | 3♓36 | 4♑24 | 29♑48 | 28♑32 | 25♋27 | 22♒54 | M29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17s11 | 8s23 | 4s57 | 18s14 | 3n 4 | 21s58 | 1n 2 | 20s24 | 0n44 | 9n28 | 1s 9 | 6s 6 | 1s44 | 22s57 | 0s17 | 10s47 | 0s18 | 14s25 | 8n51 | 19s56 | 20s 2 | 22n 9 | 8s31 | 6n20 |
| T 2 | 16 54 | 13 34 | 5 14 | 18 24 | 2 56 | 21 55 | 1 0 | 20 31 | 0 43 | 9 31 | 1 9 | 6 4 | 1 44 | 22 57 | 0 17 | 10 46 | 0 18 | 14 25 | 8 51 | 19 57 | 20 3 | 22 7 | 8 30 | 6 20 |
| W 3 | 16 36 | 18 16 | 5 16 | 18 33 | 2 47 | 21 52 | 0 57 | 20 38 | 0 43 | 9 34 | 1 9 | 6 1 | 1 44 | 22 57 | 0 17 | 10 46 | 0 18 | 14 25 | 8 51 | 19 57 | 20 4 | 22 5 | 8 28 | 6 20 |
| T 4 | 16 19 | 22 11 | 5 1 | 18 41 | 2 38 | 21 48 | 0 54 | 20 44 | 0 42 | 9 37 | 1 9 | 5 59 | 1 44 | 22 56 | 0 17 | 10 45 | 0 18 | 14 25 | 8 51 | 19 57 | 20 4 | 22 3 | 8 27 | 6 20 |
| F 5 | 16 1 | 24 59 | 4 28 | 18 48 | 2 28 | 21 44 | 0 51 | 20 50 | 0 41 | 9 40 | 1 8 | 5 56 | 1 44 | 22 56 | 0 17 | 10 44 | 0 18 | 14 25 | 8 51 | 19 57 | 20 5 | 22 1 | 8 25 | 6 19 |
| S 6 | 15 43 | 26 18 | 3 39 | 18 55 | 2 17 | 21 39 | 0 48 | 20 56 | 0 41 | 9 44 | 1 8 | 5 54 | 1 44 | 22 56 | 0 17 | 10 43 | 0 18 | 14 25 | 8 51 | 19 57 | 20 6 | 21 59 | 8 24 | 6 19 |
| S 7 | 15 24 | 25 52 | 2 34 | 19 1 | 2 7 | 21 33 | 0 45 | 21 2 | 0 40 | 9 47 | 1 8 | 5 51 | 1 44 | 22 55 | 0 17 | 10 42 | 0 18 | 14 24 | 8 51 | 19 56 | 20 6 | 21 57 | 8 22 | 6 19 |
| M 8 | 15 6 | 23 37 | 1 18 | 19 5 | 1 56 | 21 27 | 0 42 | 21 8 | 0 40 | 9 51 | 1 8 | 5 48 | 1 43 | 22 55 | 0 17 | 10 42 | 0 18 | 14 24 | 8 51 | 19 56 | 20 7 | 21 55 | 8 21 | 6 19 |
| T 9 | 14 47 | 19 42 | 0n 4 | 19 9 | 1 45 | 21 20 | 0 39 | 21 14 | 0 39 | 9 54 | 1 7 | 5 46 | 1 43 | 22 55 | 0 17 | 10 41 | 0 18 | 14 24 | 8 51 | 19 56 | 20 8 | 21 53 | 8 20 | 6 19 |
| W10 | 14 27 | 14 28 | 1 27 | 19 12 | 1 35 | 21 12 | 0 36 | 21 20 | 0 39 | 9 57 | 1 7 | 5 43 | 1 43 | 22 54 | 0 17 | 10 40 | 0 18 | 14 24 | 8 51 | 19 56 | 20 8 | 21 51 | 8 18 | 6 19 |
| T 11 | 14 8 | 8 23 | 2 42 | 19 13 | 1 24 | 21 4 | 0 33 | 21 25 | 0 38 | 10 1 | 1 7 | 5 40 | 1 43 | 22 54 | 0 17 | 10 39 | 0 18 | 14 24 | 8 52 | 19 56 | 20 9 | 21 49 | 8 17 | 6 19 |
| F 12 | 13 48 | 1 57 | 3 46 | 19 14 | 1 13 | 20 55 | 0 30 | 21 30 | 0 37 | 10 5 | 1 7 | 5 38 | 1 43 | 22 54 | 0 17 | 10 38 | 0 18 | 14 24 | 8 52 | 19 57 | 20 10 | 21 47 | 8 15 | 6 19 |
| S 13 | 13 28 | 4n25 | 4 34 | 19 13 | 1 3 | 20 46 | 0 27 | 21 36 | 0 37 | 10 8 | 1 6 | 5 35 | 1 43 | 22 54 | 0 17 | 10 38 | 0 18 | 14 23 | 8 52 | 19 58 | 20 10 | 21 45 | 8 14 | 6 19 |
| S 14 | 13 8 | 10 23 | 5 3 | 19 12 | 0 52 | 20 36 | 0 24 | 21 41 | 0 36 | 10 12 | 1 6 | 5 32 | 1 43 | 22 53 | 0 17 | 10 37 | 0 18 | 14 23 | 8 52 | 19 59 | 20 11 | 21 43 | 8 12 | 6 19 |
| M15 | 12 48 | 15 39 | 5 14 | 19 9 | 0 42 | 20 25 | 0 21 | 21 45 | 0 35 | 10 15 | 1 6 | 5 30 | 1 43 | 22 53 | 0 17 | 10 36 | 0 18 | 14 23 | 8 52 | 19 59 | 20 12 | 21 41 | 8 11 | 6 19 |
| T 16 | 12 27 | 20 1 | 5 9 | 19 4 | 0 32 | 20 14 | 0 18 | 21 50 | 0 35 | 10 19 | 1 6 | 5 27 | 1 43 | 22 53 | 0 17 | 10 35 | 0 18 | 14 23 | 8 52 | 20 0 | 20 12 | 21 39 | 8 9 | 6 19 |
| W17 | 12 6 | 23 18 | 4 48 | 18 59 | 0 22 | 20 2 | 0 15 | 21 55 | 0 34 | 10 23 | 1 6 | 5 24 | 1 43 | 22 52 | 0 17 | 10 34 | 0 18 | 14 23 | 8 52 | 20 0 | 20 13 | 21 37 | 8 8 | 6 19 |
| T 18 | 11 45 | 25 25 | 4 15 | 18 53 | 0 13 | 19 49 | 0 12 | 21 59 | 0 33 | 10 27 | 1 5 | 5 21 | 1 43 | 22 52 | 0 17 | 10 34 | 0 18 | 14 23 | 8 52 | 20 0 | 20 14 | 21 35 | 8 6 | 6 19 |
| F 19 | 11 24 | 26 18 | 3 31 | 18 45 | 0 3 | 19 36 | 0 9 | 22 4 | 0 33 | 10 31 | 1 5 | 5 19 | 1 43 | 22 52 | 0 17 | 10 33 | 0 18 | 14 22 | 8 53 | 20 0 | 20 14 | 21 33 | 8 5 | 6 19 |
| S 20 | 11 3 | 25 56 | 2 38 | 18 36 | 0s 6 | 19 23 | 0 6 | 22 8 | 0 32 | 10 34 | 1 5 | 5 16 | 1 43 | 22 52 | 0 18 | 10 32 | 0 18 | 14 22 | 8 53 | 19 59 | 20 15 | 21 31 | 8 3 | 6 19 |
| S 21 | 10 41 | 24 25 | 1 39 | 18 26 | 0 14 | 19 8 | 0 4 | 22 12 | 0 31 | 10 38 | 1 5 | 5 13 | 1 43 | 22 51 | 0 18 | 10 31 | 0 18 | 14 22 | 8 53 | 19 59 | 20 16 | 21 29 | 8 1 | 6 19 |
| M22 | 10 20 | 21 49 | 0 36 | 18 14 | 0 23 | 18 54 | 0 1 | 22 16 | 0 31 | 10 42 | 1 5 | 5 10 | 1 43 | 22 51 | 0 18 | 10 30 | 0 18 | 14 22 | 8 53 | 19 59 | 20 16 | 21 27 | 8 0 | 6 19 |
| T 23 | 9 58 | 18 18 | 0s29 | 18 2 | 0 31 | 18 38 | 0s 2 | 22 19 | 0 30 | 10 46 | 1 4 | 5 8 | 1 43 | 22 51 | 0 18 | 10 30 | 0 18 | 14 22 | 8 53 | 19 59 | 20 17 | 21 25 | 7 58 | 6 19 |
| W24 | 9 36 | 14 2 | 1 33 | 17 48 | 0 39 | 18 23 | 0 5 | 22 23 | 0 29 | 10 50 | 1 4 | 5 5 | 1 43 | 22 51 | 0 18 | 10 29 | 0 18 | 14 21 | 8 53 | 19 59 | 20 18 | 21 23 | 7 57 | 6 19 |
| T 25 | 9 13 | 9 11 | 2 33 | 17 33 | 0 47 | 18 6 | 0 8 | 22 27 | 0 28 | 10 54 | 1 4 | 5 2 | 1 43 | 22 50 | 0 18 | 10 28 | 0 18 | 14 21 | 8 54 | 20 0 | 20 18 | 21 21 | 7 55 | 6 19 |
| F 26 | 8 51 | 3 56 | 3 27 | 17 17 | 0 54 | 17 49 | 0 11 | 22 30 | 0 28 | 10 58 | 1 4 | 4 59 | 1 43 | 22 50 | 0 18 | 10 27 | 0 18 | 14 21 | 8 54 | 20 1 | 20 19 | 21 19 | 7 54 | 6 19 |
| S 27 | 8 29 | 1s33 | 4 12 | 17 0 | 1 1 | 17 32 | 0 14 | 22 33 | 0 27 | 11 2 | 1 4 | 4 56 | 1 43 | 22 50 | 0 18 | 10 26 | 0 18 | 14 21 | 8 54 | 20 2 | 20 19 | 21 17 | 7 52 | 6 19 |
| S 28 | 8 6 | 7 2 | 4 45 | 16 41 | 1 8 | 17 14 | 0 16 | 22 36 | 0 26 | 11 6 | 1 3 | 4 54 | 1 43 | 22 50 | 0 18 | 10 26 | 0 18 | 14 21 | 8 54 | 20 4 | 20 20 | 21 15 | 7 51 | 6 19 |
| M29 | 7s43 | 12s18 | 5s 5 | 16s21 | 1s15 | 16s55 | 0s19 | 22s39 | 0n25 | 11n10 | 1s 3 | 4s51 | 1s43 | 22s49 | 0s18 | 10s25 | 0s18 | 14s20 | 8n54 | 20s 5 | 20s21 | 21n12 | 7s49 | 6n20 |

Julian Day Number = 2815357.5, Delta T = 54m26s
Ecliptic obliquity = 23°18'42, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°41'04, Lahiri = 37°48'04


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# ASTRODIENST EPHEMERIS for the year 2996
# geocentric

## MARCH 2996 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 39 46 | 11♓ 9'29 | 2♏32 | 20♒ 1 | 14♒57 | 22♐35 | 2♉22 | 21♓51 | 14♑32 | 3♓38 | 4♑26 | 29°R42 | 28♑29 | 25♋34 | 22♒59 | T 1 |
| W 2 | 10 43 43 | 12°10'05 | 15°45 | 21°28 | 16°11 | 23°10 | 2°33 | 21°58 | 14°34 | 3°41 | 4°27 | 29♑37 | 28°25 | 25°40 | 23° 4 | W 2 |
| T 3 | 10 47 40 | 13°10'40 | 29°13 | 22°55 | 17°26 | 23°44 | 2°45 | 22° 5 | 14°36 | 3°43 | 4°28 | 29°34 | 28°22 | 25°47 | 23° 8 | T 3 |
| F 4 | 10 51 36 | 14°11'14 | 12♐55 | 24°24 | 18°40 | 24°18 | 2°57 | 22°12 | 14°39 | 3°45 | 4°29 | 29°D33 | 28°19 | 25°54 | 23°13 | F 4 |
| S 5 | 10 55 33 | 15°11'47 | 26°52 | 25°54 | 19°55 | 24°52 | 3° 9 | 22°20 | 14°41 | 3°47 | 4°30 | 29°33 | 28°16 | 26° 0 | 23°18 | S 5 |
| S 6 | 10 59 29 | 16°12'18 | 11♑ 4 | 27°24 | 21° 9 | 25°26 | 3°21 | 22°27 | 14°43 | 3°50 | 4°31 | 29°35 | 28°13 | 26° 7 | 23°22 | S 6 |
| M 7 | 11 3 26 | 17°12'49 | 25°30 | 28°56 | 22°23 | 26° 0 | 3°33 | 22°34 | 14°45 | 3°52 | 4°32 | 29°R35 | 28°10 | 26°14 | 23°27 | M 7 |
| T 8 | 11 7 22 | 18°13'18 | 10♒ 7 | 0♓29 | 23°38 | 26°34 | 3°45 | 22°42 | 14°47 | 3°54 | 4°33 | 29°35 | 28° 6 | 26°20 | 23°31 | T 8 |
| W 9 | 11 11 19 | 19°13'46 | 24°50 | 2° 2 | 24°52 | 27° 8 | 3°57 | 22°49 | 14°49 | 3°56 | 4°34 | 29°33 | 28° 3 | 26°27 | 23°36 | W 9 |
| T 10 | 11 15 16 | 20°14'12 | 9♓32 | 3°37 | 26° 7 | 27°42 | 4°10 | 22°56 | 14°52 | 3°58 | 4°35 | 29°28 | 28° 0 | 26°34 | 23°40 | T 10 |
| F 11 | 11 19 12 | 21°14'37 | 24° 8 | 5°12 | 27°21 | 28°15 | 4°22 | 23° 3 | 14°53 | 4° 1 | 4°36 | 29°21 | 27°57 | 26°40 | 23°45 | F 11 |
| S 12 | 11 23 9 | 22°15'00 | 8♈28 | 6°49 | 28°36 | 28°49 | 4°35 | 23°11 | 14°55 | 4° 3 | 4°36 | 29°12 | 27°54 | 26°47 | 23°49 | S 12 |
| S 13 | 11 27 5 | 23°15'22 | 22°28 | 8°26 | 29°50 | 29°22 | 4°47 | 23°18 | 14°57 | 4° 5 | 4°37 | 29° 3 | 27°50 | 26°53 | 23°54 | S 13 |
| M14 | 11 31 2 | 24°15'41 | 6♉ 3 | 10° 5 | 1♓ 5 | 29°56 | 5° 0 | 23°25 | 14°59 | 4° 7 | 4°38 | 28°54 | 27°47 | 27° 0 | 23°58 | M14 |
| T 15 | 11 34 58 | 25°15'59 | 19°13 | 11°44 | 2°19 | 0♑29 | 5°13 | 23°33 | 15° 1 | 4° 9 | 4°39 | 28°46 | 27°44 | 27° 7 | 24° 2 | T 15 |
| W16 | 11 38 55 | 26°16'15 | 1♊58 | 13°25 | 3°33 | 1° 2 | 5°25 | 23°40 | 15° 3 | 4°12 | 4°39 | 28°41 | 27°41 | 27°13 | 24° 7 | W16 |
| T 17 | 11 42 51 | 27°16'30 | 14°21 | 15° 6 | 4°48 | 1°35 | 5°38 | 23°47 | 15° 4 | 4°14 | 4°40 | 28°38 | 27°38 | 27°20 | 24°11 | T 17 |
| F 18 | 11 46 48 | 28°16'42 | 26°28 | 16°49 | 6° 2 | 2° 8 | 5°51 | 23°55 | 15° 6 | 4°16 | 4°41 | 28°D37 | 27°35 | 27°27 | 24°15 | F 18 |
| S 19 | 11 50 44 | 29°16'52 | 8♋23 | 18°32 | 7°17 | 2°41 | 6° 4 | 24° 2 | 15° 8 | 4°18 | 4°41 | 28°37 | 27°31 | 27°33 | 24°19 | S 19 |
| S 20 | 11 54 41 | 0♈17'00 | 20°11 | 20°17 | 8°31 | 3°14 | 6°17 | 24° 9 | 15° 9 | 4°20 | 4°42 | 28°38 | 27°28 | 27°40 | 24°23 | S 20 |
| M21 | 11 58 38 | 1°17'06 | 1♌58 | 22° 3 | 9°46 | 3°46 | 6°30 | 24°16 | 15°11 | 4°22 | 4°43 | 28°R38 | 27°25 | 27°47 | 24°28 | M21 |
| T 22 | 12 2 34 | 2°17'10 | 13°49 | 23°50 | 11° 0 | 4°19 | 6°44 | 24°24 | 15°12 | 4°24 | 4°43 | 28°37 | 27°22 | 27°53 | 24°32 | T 22 |
| W23 | 12 6 31 | 3°17'12 | 25°48 | 25°38 | 12°14 | 4°51 | 6°57 | 24°31 | 15°14 | 4°26 | 4°44 | 28°34 | 27°19 | 28° 0 | 24°36 | W23 |
| T 24 | 12 10 27 | 4°17'12 | 7♍59 | 27°27 | 13°29 | 5°24 | 7°10 | 24°38 | 15°15 | 4°28 | 4°44 | 28°27 | 27°16 | 28° 7 | 24°40 | T 24 |
| F 25 | 12 14 24 | 5°17'10 | 20°24 | 29°17 | 14°43 | 5°56 | 7°24 | 24°45 | 15°16 | 4°30 | 4°44 | 28°19 | 27°12 | 28°13 | 24°44 | F 25 |
| S 26 | 12 18 20 | 6°17'06 | 3♎ 5 | 1♈ 8 | 15°58 | 6°28 | 7°37 | 24°53 | 15°17 | 4°32 | 4°45 | 28° 8 | 27° 9 | 28°20 | 24°48 | S 26 |
| S 27 | 12 22 17 | 7°17'01 | 16° 0 | 3° 0 | 17°12 | 7° 0 | 7°50 | 25° 0 | 15°19 | 4°34 | 4°45 | 27°56 | 27° 6 | 28°27 | 24°52 | S 27 |
| M28 | 12 26 13 | 8°16'53 | 29°10 | 4°54 | 18°27 | 7°32 | 8° 4 | 25° 7 | 15°20 | 4°36 | 4°45 | 27°44 | 27° 3 | 28°33 | 24°55 | M28 |
| T 29 | 12 30 10 | 9°16'44 | 12♏33 | 6°49 | 19°41 | 8° 4 | 8°17 | 25°14 | 15°21 | 4°38 | 4°46 | 27°33 | 27° 0 | 28°40 | 24°59 | T 29 |
| W30 | 12 34 7 | 10°16'33 | 26° 7 | 8°44 | 20°55 | 8°35 | 8°31 | 25°21 | 15°22 | 4°40 | 4°46 | 27°24 | 26°56 | 28°46 | 25° 3 | W30 |
| T 31 | 12 38 3 | 11♈16'20 | 9♐49 | 10♈41 | 22♓10 | 9♑ 7 | 8♉45 | 25♓28 | 15♑23 | 4♓42 | 4♑46 | 27♑17 | 26♑53 | 28♋53 | 25♒ 7 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7s21 | 17s 8 | 5s 9 | 16s 0 | 1s21 | 16s37 | 0s22 | 22s42 | 0n25 | 11n14 | 1s 3 | 4s48 | 1s43 | 22s49 | 0s18 | 10s24 | 0s18 | 14s20 | 8n54 | 20s 6 | 20s21 | 21n10 | 7s48 | 6n20 |
| W 2 | 6 58 | 21 13 | 4 58 | 15 38 | 1 26 | 16 17 | 0 24 | 22 44 | 0 24 | 11 19 | 1 3 | 4 45 | 1 43 | 22 49 | 0 18 | 10 23 | 0 18 | 14 20 | 8 55 | 20 7 | 20 22 | 21 8 | 7 46 | 6 20 |
| T 3 | 6 35 | 24 15 | 4 29 | 15 15 | 1 32 | 15 57 | 0 27 | 22 47 | 0 23 | 11 23 | 1 3 | 4 42 | 1 43 | 22 49 | 0 18 | 10 22 | 0 18 | 14 20 | 8 55 | 20 8 | 20 23 | 21 6 | 7 44 | 6 20 |
| F 4 | 6 11 | 25 57 | 3 46 | 14 51 | 1 37 | 15 37 | 0 30 | 22 49 | 0 22 | 11 27 | 1 3 | 4 40 | 1 43 | 22 48 | 0 18 | 10 22 | 0 18 | 14 19 | 8 55 | 20 8 | 20 23 | 21 4 | 7 43 | 6 20 |
| S 5 | 5 48 | 26 4 | 2 48 | 14 25 | 1 42 | 15 16 | 0 32 | 22 52 | 0 21 | 11 31 | 1 2 | 4 37 | 1 43 | 22 48 | 0 18 | 10 21 | 0 18 | 14 19 | 8 55 | 20 8 | 20 24 | 21 2 | 7 41 | 6 20 |
| S 6 | 5 25 | 24 29 | 1 39 | 13 59 | 1 47 | 14 55 | 0 35 | 22 54 | 0 20 | 11 35 | 1 2 | 4 34 | 1 43 | 22 48 | 0 18 | 10 20 | 0 18 | 14 19 | 8 55 | 20 8 | 20 25 | 21 0 | 7 40 | 6 20 |
| M 7 | 5 1 | 21 17 | 0 22 | 13 31 | 1 51 | 14 34 | 0 37 | 22 56 | 0 19 | 11 40 | 1 2 | 4 31 | 1 43 | 22 48 | 0 18 | 10 19 | 0 18 | 14 19 | 8 56 | 20 8 | 20 25 | 20 58 | 7 38 | 6 20 |
| T 8 | 4 38 | 16 42 | 0n57 | 13 2 | 1 55 | 14 12 | 0 39 | 22 58 | 0 18 | 11 44 | 1 2 | 4 28 | 1 43 | 22 48 | 0 18 | 10 18 | 0 18 | 14 19 | 8 56 | 20 8 | 20 26 | 20 56 | 7 37 | 6 20 |
| W 9 | 4 14 | 11 6 | 2 12 | 12 32 | 1 58 | 13 49 | 0 42 | 22 59 | 0 18 | 11 48 | 1 2 | 4 25 | 1 43 | 22 47 | 0 18 | 10 18 | 0 18 | 14 18 | 8 56 | 20 8 | 20 26 | 20 54 | 7 35 | 6 21 |
| T 10 | 3 51 | 4 53 | 3 18 | 12 1 | 2 1 | 13 26 | 0 44 | 23 1 | 0 17 | 11 52 | 1 2 | 4 23 | 1 43 | 22 47 | 0 18 | 10 17 | 0 18 | 14 18 | 8 56 | 20 9 | 20 27 | 20 51 | 7 33 | 6 21 |
| F 11 | 3 27 | 1n31 | 4 11 | 11 28 | 2 4 | 13 3 | 0 46 | 23 2 | 0 16 | 11 57 | 1 1 | 4 20 | 1 44 | 22 47 | 0 18 | 10 16 | 0 18 | 14 18 | 8 56 | 20 11 | 20 28 | 20 49 | 7 32 | 6 21 |
| S 12 | 3 4 | 7 44 | 4 47 | 10 55 | 2 6 | 12 40 | 0 49 | 23 4 | 0 15 | 12 1 | 1 1 | 4 17 | 1 44 | 22 47 | 0 18 | 10 15 | 0 18 | 14 18 | 8 56 | 20 13 | 20 28 | 20 47 | 7 30 | 6 21 |
| S 13 | 2 40 | 13 24 | 5 4 | 10 21 | 2 8 | 12 16 | 0 51 | 23 5 | 0 14 | 12 5 | 1 1 | 4 14 | 1 44 | 22 47 | 0 18 | 10 14 | 0 18 | 14 18 | 8 57 | 20 14 | 20 29 | 20 45 | 7 29 | 6 21 |
| M14 | 2 16 | 18 14 | 5 4 | 9 45 | 2 10 | 11 52 | 0 53 | 23 6 | 0 13 | 12 10 | 1 1 | 4 11 | 1 44 | 22 46 | 0 18 | 10 14 | 0 18 | 14 17 | 8 57 | 20 16 | 20 30 | 20 43 | 7 27 | 6 21 |
| T 15 | 1 52 | 22 2 | 4 47 | 9 8 | 2 11 | 11 27 | 0 55 | 23 7 | 0 12 | 12 14 | 1 1 | 4 8 | 1 44 | 22 46 | 0 18 | 10 13 | 0 18 | 14 17 | 8 57 | 20 18 | 20 30 | 20 41 | 7 26 | 6 21 |
| W16 | 1 28 | 24 38 | 4 16 | 8 31 | 2 12 | 11 2 | 0 57 | 23 8 | 0 11 | 12 18 | 1 1 | 4 5 | 1 44 | 22 46 | 0 18 | 10 12 | 0 18 | 14 17 | 8 57 | 20 19 | 20 31 | 20 39 | 7 24 | 6 22 |
| T 17 | 1 5 | 25 57 | 3 34 | 7 52 | 2 12 | 10 37 | 0 59 | 23 8 | 0 10 | 12 23 | 1 0 | 4 3 | 1 44 | 22 46 | 0 18 | 10 11 | 0 18 | 14 17 | 8 57 | 20 19 | 20 31 | 20 36 | 7 23 | 6 22 |
| F 18 | 0 41 | 25 59 | 2 44 | 7 12 | 2 12 | 10 12 | 1 1 | 23 9 | 0 9 | 12 27 | 1 0 | 4 0 | 1 44 | 22 46 | 0 18 | 10 11 | 0 18 | 14 16 | 8 58 | 20 20 | 20 32 | 20 34 | 7 21 | 6 22 |
| S 19 | 0 17 | 24 49 | 1 46 | 6 32 | 2 11 | 9 46 | 1 3 | 23 10 | 0 8 | 12 32 | 1 0 | 3 57 | 1 44 | 22 46 | 0 18 | 10 10 | 0 18 | 14 16 | 8 58 | 20 20 | 20 33 | 20 32 | 7 19 | 6 22 |
| S 20 | 0n 7 | 22 33 | 0 45 | 5 50 | 2 10 | 9 20 | 1 5 | 23 10 | 0 6 | 12 36 | 1 0 | 3 54 | 1 44 | 22 45 | 0 18 | 10 9 | 0 18 | 14 16 | 8 58 | 20 19 | 20 33 | 20 30 | 7 18 | 6 22 |
| M21 | 0 31 | 19 20 | 0s18 | 5 7 | 2 9 | 8 54 | 1 7 | 23 10 | 0 5 | 12 40 | 1 0 | 3 51 | 1 44 | 22 45 | 0 18 | 10 8 | 0 18 | 14 16 | 8 58 | 20 19 | 20 34 | 20 28 | 7 16 | 6 23 |
| T 22 | 0 54 | 15 19 | 1 20 | 4 23 | 2 7 | 8 27 | 1 8 | 23 10 | 0 4 | 12 45 | 1 0 | 3 49 | 1 44 | 22 45 | 0 18 | 10 8 | 0 18 | 14 16 | 8 58 | 20 20 | 20 35 | 20 26 | 7 15 | 6 23 |
| W23 | 1 18 | 10 39 | 2 20 | 3 38 | 2 5 | 8 1 | 1 10 | 23 10 | 0 3 | 12 49 | 1 0 | 3 46 | 1 44 | 22 45 | 0 18 | 10 7 | 0 18 | 14 15 | 8 59 | 20 20 | 20 35 | 20 23 | 7 13 | 6 23 |
| T 24 | 1 42 | 5 32 | 3 14 | 2 53 | 2 2 | 7 34 | 1 12 | 23 10 | 0 2 | 12 54 | 0 59 | 3 43 | 1 44 | 22 45 | 0 18 | 10 6 | 0 18 | 14 15 | 8 59 | 20 22 | 20 36 | 20 21 | 7 12 | 6 23 |
| F 25 | 2 5 | 0 7 | 3 59 | 2 6 | 1 59 | 7 7 | 1 13 | 23 10 | 0 1 | 12 58 | 0 59 | 3 40 | 1 44 | 22 45 | 0 18 | 10 5 | 0 18 | 14 15 | 8 59 | 20 23 | 20 36 | 20 19 | 7 10 | 6 24 |
| S 26 | 2 29 | 5s25 | 4 34 | 1 18 | 1 55 | 6 39 | 1 15 | 23 10 | 0s 0 | 13 3 | 0 59 | 3 37 | 1 44 | 22 45 | 0 18 | 10 5 | 0 18 | 14 15 | 8 59 | 20 26 | 20 37 | 20 17 | 7 9 | 6 24 |
| S 27 | 2 53 | 10 49 | 4 56 | 0 30 | 1 50 | 6 12 | 1 16 | 23 9 | 0 2 | 13 7 | 0 59 | 3 35 | 1 44 | 22 44 | 0 18 | 10 4 | 0 18 | 14 14 | 8 59 | 20 28 | 20 38 | 20 15 | 7 7 | 6 24 |
| M28 | 3 16 | 15 49 | 5 2 | 0n19 | 1 46 | 5 44 | 1 17 | 23 9 | 0 3 | 13 11 | 0 59 | 3 32 | 1 45 | 22 44 | 0 18 | 10 3 | 0 18 | 14 14 | 9 0 | 20 30 | 20 38 | 20 12 | 7 6 | 6 24 |
| T 29 | 3 39 | 20 9 | 4 52 | 1 9 | 1 40 | 5 16 | 1 19 | 23 8 | 0 4 | 13 16 | 0 59 | 3 29 | 1 45 | 22 44 | 0 18 | 10 3 | 0 18 | 14 14 | 9 0 | 20 32 | 20 39 | 20 10 | 7 4 | 6 24 |
| W30 | 4 3 | 23 28 | 4 25 | 2 0 | 1 34 | 4 48 | 1 20 | 23 8 | 0 5 | 13 20 | 0 59 | 3 26 | 1 45 | 22 44 | 0 18 | 10 2 | 0 18 | 14 14 | 9 0 | 20 34 | 20 39 | 20 8 | 7 3 | 6 25 |
| T 31 | 4n26 | 25s29 | 3s43 | 2n51 | 1s28 | 4s20 | 1s21 | 23s 7 | 0s 7 | 13n25 | 0s59 | 3s24 | 1s45 | 22s44 | 0s18 | 10s 1 | 0s18 | 14s14 | 9n 0 | 20s35 | 20s40 | 20n 6 | 7s 1 | 6n25 |

Julian Day Number = 2815386.5, Delta T = 54m27s
Ecliptic obliquity = 23°18'42, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°41'08, Lahiri = 37°48'08


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# ASTRODIENST EPHEMERIS for the year 2996
# geocentric

## APRIL 2996 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 42 0 | 12♈16'06 | 23♐40 | 12♈39 | 23♓24 | 9♑38 | 8♉58 | 25♓36 | 15♑24 | 4♓44 | 4♑46 | 27°R14 | 26♑50 | 29♋ 0 | 25♒10 | F 1 |
| S 2 | 12 45 56 | 13°15'50 | 7♑37 | 14°37 | 24°39 | 10°10 | 9°12 | 25°43 | 15°25 | 4°46 | 4°46 | 27♑13 | 26°47 | 29° 6 | 25°14 | S 2 |
| S 3 | 12 49 53 | 14°15'33 | 21°41 | 16°36 | 25°53 | 10°41 | 9°26 | 25°50 | 15°26 | 4°48 | 4°47 | 27°13 | 26°44 | 29°13 | 25°18 | S 3 |
| M 4 | 12 53 49 | 15°15'14 | 5♒51 | 18°36 | 27° 7 | 11°12 | 9°40 | 25°57 | 15°26 | 4°50 | 4°47 | 27°13 | 26°41 | 29°20 | 25°21 | M 4 |
| T 5 | 12 57 46 | 16°14'53 | 20° 5 | 20°37 | 28°22 | 11°43 | 9°54 | 26° 4 | 15°27 | 4°52 | 4°47 | 27°11 | 26°37 | 29°26 | 25°25 | T 5 |
| W 6 | 13 1 42 | 17°14'30 | 4♓22 | 22°38 | 29°36 | 12°13 | 10° 8 | 26°11 | 15°28 | 4°53 | 4°R47 | 27° 7 | 26°34 | 29°33 | 25°28 | W 6 |
| T 7 | 13 5 39 | 18°14'06 | 18°38 | 24°39 | 0♈50 | 12°44 | 10°21 | 26°18 | 15°29 | 4°55 | 4°47 | 27° 0 | 26°31 | 29°40 | 25°32 | T 7 |
| F 8 | 13 9 36 | 19°13'40 | 2♈49 | 26°40 | 2° 5 | 13°14 | 10°35 | 26°25 | 15°29 | 4°57 | 4°47 | 26°50 | 26°28 | 29°46 | 25°35 | F 8 |
| S 9 | 13 13 32 | 20°13'12 | 16°49 | 28°40 | 3°19 | 13°44 | 10°49 | 26°32 | 15°30 | 4°59 | 4°46 | 26°39 | 26°25 | 29°53 | 25°38 | S 9 |
| S 10 | 13 17 29 | 21°12'42 | 0♉34 | 0♉40 | 4°34 | 14°14 | 11° 4 | 26°39 | 15°30 | 5° 0 | 4°46 | 26°26 | 26°21 | 29°59 | 25°42 | S 10 |
| M11 | 13 21 25 | 22°12'10 | 13°59 | 2°40 | 5°48 | 14°44 | 11°18 | 26°45 | 15°31 | 5° 2 | 4°46 | 26°14 | 26°18 | 0♌ 6 | 25°45 | M11 |
| T 12 | 13 25 22 | 23°11'36 | 27° 4 | 4°37 | 7° 2 | 15°14 | 11°32 | 26°52 | 15°31 | 5° 4 | 4°46 | 26° 3 | 26°15 | 0°13 | 25°48 | T 12 |
| W13 | 13 29 18 | 24°11'00 | 9♊47 | 6°33 | 8°17 | 15°43 | 11°46 | 26°59 | 15°31 | 5° 5 | 4°46 | 25°54 | 26°12 | 0°19 | 25°51 | W13 |
| T 14 | 13 33 15 | 25°10'22 | 22°10 | 8°27 | 9°31 | 16°13 | 12° 0 | 27° 6 | 15°31 | 5° 7 | 4°45 | 25°49 | 26° 9 | 0°26 | 25°54 | T 14 |
| F 15 | 13 37 11 | 26° 9'41 | 4♋18 | 10°19 | 10°45 | 16°42 | 12°14 | 27°12 | 15°32 | 5° 9 | 4°45 | 25°45 | 26° 6 | 0°33 | 25°57 | F 15 |
| S 16 | 13 41 8 | 27° 8'59 | 16°13 | 12° 8 | 12° 0 | 17°11 | 12°28 | 27°19 | 15°32 | 5°10 | 4°45 | 25°44 | 26° 2 | 0°39 | 26° 0 | S 16 |
| S 17 | 13 45 5 | 28° 8'14 | 28° 3 | 13°53 | 13°14 | 17°39 | 12°43 | 27°26 | 15°32 | 5°12 | 4°44 | 25°44 | 25°59 | 0°46 | 26° 3 | S 17 |
| M18 | 13 49 1 | 29° 7'26 | 9♌51 | 15°35 | 14°28 | 18° 8 | 12°57 | 27°32 | 15°32 | 5°13 | 4°44 | 25°44 | 25°56 | 0°53 | 26° 6 | M18 |
| T 19 | 13 52 58 | 0♌ 6'37 | 21°43 | 17°13 | 15°42 | 18°36 | 13°11 | 27°39 | 15°R32 | 5°15 | 4°44 | 25°43 | 25°53 | 0°59 | 26° 8 | T 19 |
| W20 | 13 56 54 | 1° 5'45 | 3♍46 | 18°46 | 16°57 | 19° 5 | 13°26 | 27°45 | 15°32 | 5°16 | 4°43 | 25°39 | 25°50 | 1° 6 | 26°11 | W20 |
| T 21 | 14 0 51 | 2° 4'51 | 16° 2 | 20°15 | 18°11 | 19°33 | 13°40 | 27°52 | 15°32 | 5°18 | 4°43 | 25°33 | 25°47 | 1°13 | 26°14 | T 21 |
| F 22 | 14 4 47 | 3° 3'54 | 28°36 | 21°38 | 19°25 | 20° 0 | 13°54 | 27°58 | 15°32 | 5°19 | 4°42 | 25°24 | 25°43 | 1°19 | 26°16 | F 22 |
| S 23 | 14 8 44 | 4° 2'56 | 11♎30 | 22°57 | 20°39 | 20°28 | 14° 9 | 28° 5 | 15°32 | 5°21 | 4°42 | 25°13 | 25°40 | 1°26 | 26°19 | S 23 |
| S 24 | 14 12 40 | 5° 1'56 | 24°43 | 24°10 | 21°54 | 20°55 | 14°23 | 28°11 | 15°31 | 5°22 | 4°41 | 25° 1 | 25°37 | 1°33 | 26°21 | S 24 |
| M25 | 14 16 37 | 6° 0'53 | 8♏16 | 25°17 | 23° 8 | 21°22 | 14°37 | 28°17 | 15°31 | 5°23 | 4°41 | 24°48 | 25°34 | 1°39 | 26°24 | M25 |
| T 26 | 14 20 33 | 6°59'49 | 22° 3 | 26°19 | 24°22 | 21°49 | 14°52 | 28°24 | 15°31 | 5°25 | 4°40 | 24°37 | 25°31 | 1°46 | 26°26 | T 26 |
| W27 | 14 24 30 | 7°58'42 | 6♐ 3 | 27°15 | 25°36 | 22°16 | 15° 6 | 28°30 | 15°30 | 5°26 | 4°39 | 24°28 | 25°27 | 1°52 | 26°29 | W27 |
| T 28 | 14 28 27 | 8°57'34 | 20°10 | 28° 5 | 26°50 | 22°42 | 15°20 | 28°36 | 15°30 | 5°27 | 4°39 | 24°21 | 25°24 | 1°59 | 26°31 | T 28 |
| F 29 | 14 32 23 | 9°56'25 | 4♑20 | 28°48 | 28° 5 | 23° 8 | 15°35 | 28°42 | 15°29 | 5°28 | 4°38 | 24°18 | 25°21 | 2° 6 | 26°33 | F 29 |
| S 30 | 14 36 20 | 10♉55'13 | 18♑31 | 29♉26 | 29♈19 | 23♑34 | 15♉49 | 28♓48 | 15♑29 | 5♓30 | 4♑37 | 24°D17 | 25♑18 | 2♌12 | 26♒35 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4n49 | 25s57 | 2s48 | 3n44 | 1s21 | 3s52 | 1s22 | 23s 6 | 0s 8 | 13n29 | 0s59 | 3s21 | 1s45 | 22s44 | 0s18 | 10s 1 | 0s18 | 14s13 | 9n 1 | 20s36 | 20s41 | 20n 4 | 7s 0 | 6n25 |
| S 2 | 5 13 | 24 47 | 1 42 | 4 36 | 1 13 | 3 23 | 1 23 | 23 5 | 0 9 | 13 34 | 0 58 | 3 18 | 1 45 | 22 44 | 0 18 | 10 0 | 0 18 | 14 13 | 9 1 | 20 36 | 20 41 | 20 1 | 6 59 | 6 26 |
| S 3 | 5 36 | 22 3 | 0 29 | 5 29 | 1 5 | 2 55 | 1 24 | 23 4 | 0 11 | 13 38 | 0 58 | 3 15 | 1 45 | 22 44 | 0 18 | 9 59 | 0 18 | 14 13 | 9 1 | 20 36 | 20 42 | 19 59 | 6 57 | 6 26 |
| M 4 | 5 59 | 17 58 | 0n46 | 6 22 | 0 57 | 2 26 | 1 25 | 23 3 | 0 12 | 13 43 | 0 58 | 3 13 | 1 45 | 22 44 | 0 19 | 9 59 | 0 18 | 14 13 | 9 1 | 20 36 | 20 42 | 19 57 | 6 56 | 6 26 |
| T 5 | 6 21 | 12 50 | 1 58 | 7 16 | 0 48 | 1 58 | 1 26 | 23 1 | 0 14 | 13 47 | 0 58 | 3 10 | 1 45 | 22 44 | 0 19 | 9 58 | 0 18 | 14 13 | 9 1 | 20 37 | 20 43 | 19 55 | 6 54 | 6 26 |
| W 6 | 6 44 | 7 1 | 3 3 | 8 10 | 0 38 | 1 29 | 1 26 | 23 0 | 0 15 | 13 51 | 0 58 | 3 7 | 1 45 | 22 44 | 0 19 | 9 57 | 0 18 | 14 12 | 9 2 | 20 37 | 20 44 | 19 52 | 6 53 | 6 27 |
| T 7 | 7 7 | 0 50 | 3 56 | 9 3 | 0 29 | 1 0 | 1 27 | 22 59 | 0 16 | 13 56 | 0 58 | 3 5 | 1 45 | 22 44 | 0 19 | 9 57 | 0 18 | 14 12 | 9 2 | 20 39 | 20 44 | 19 50 | 6 51 | 6 27 |
| F 8 | 7 29 | 5n19 | 4 35 | 9 57 | 0 18 | 0 31 | 1 28 | 22 57 | 0 18 | 14 0 | 0 58 | 3 2 | 1 46 | 22 44 | 0 19 | 9 56 | 0 18 | 14 12 | 9 2 | 20 41 | 20 45 | 19 48 | 6 50 | 6 27 |
| S 9 | 7 52 | 11 8 | 4 56 | 10 50 | 0 8 | 0 2 | 1 28 | 22 56 | 0 19 | 14 5 | 0 58 | 2 59 | 1 46 | 22 44 | 0 19 | 9 55 | 0 18 | 14 12 | 9 2 | 20 43 | 20 45 | 19 46 | 6 49 | 6 28 |
| S 10 | 8 14 | 16 17 | 5 0 | 11 42 | 0n 3 | 0n27 | 1 29 | 22 54 | 0 21 | 14 9 | 0 58 | 2 57 | 1 46 | 22 44 | 0 19 | 9 55 | 0 18 | 14 12 | 9 2 | 20 45 | 20 46 | 19 43 | 6 47 | 6 28 |
| M11 | 8 36 | 20 30 | 4 46 | 12 34 | 0 15 | 0 56 | 1 29 | 22 53 | 0 23 | 14 14 | 0 57 | 2 54 | 1 46 | 22 44 | 0 19 | 9 54 | 0 19 | 14 11 | 9 3 | 20 48 | 20 47 | 19 41 | 6 46 | 6 28 |
| T 12 | 8 58 | 23 35 | 4 18 | 13 24 | 0 26 | 1 25 | 1 29 | 22 51 | 0 24 | 14 18 | 0 57 | 2 52 | 1 46 | 22 43 | 0 19 | 9 54 | 0 19 | 14 11 | 9 3 | 20 50 | 20 47 | 19 39 | 6 45 | 6 29 |
| W13 | 9 20 | 25 23 | 3 38 | 14 14 | 0 38 | 1 53 | 1 30 | 22 49 | 0 26 | 14 22 | 0 57 | 2 49 | 1 46 | 22 43 | 0 19 | 9 53 | 0 19 | 14 11 | 9 3 | 20 51 | 20 48 | 19 37 | 6 43 | 6 29 |
| T 14 | 9 41 | 25 52 | 2 48 | 15 2 | 0 50 | 2 22 | 1 30 | 22 47 | 0 27 | 14 27 | 0 57 | 2 47 | 1 46 | 22 43 | 0 19 | 9 52 | 0 19 | 14 11 | 9 3 | 20 52 | 20 48 | 19 34 | 6 42 | 6 29 |
| F 15 | 10 3 | 25 5 | 1 51 | 15 48 | 1 1 | 2 51 | 1 30 | 22 45 | 0 29 | 14 31 | 0 57 | 2 44 | 1 46 | 22 43 | 0 19 | 9 52 | 0 19 | 14 11 | 9 3 | 20 53 | 20 49 | 19 32 | 6 41 | 6 30 |
| S 16 | 10 24 | 23 10 | 0 50 | 16 33 | 1 13 | 3 20 | 1 30 | 22 43 | 0 31 | 14 36 | 0 57 | 2 41 | 1 47 | 22 43 | 0 19 | 9 51 | 0 19 | 14 10 | 9 3 | 20 53 | 20 50 | 19 30 | 6 39 | 6 30 |
| S 17 | 10 45 | 20 15 | 0s12 | 17 15 | 1 24 | 3 49 | 1 30 | 22 41 | 0 32 | 14 40 | 0 57 | 2 39 | 1 47 | 22 43 | 0 19 | 9 51 | 0 19 | 14 10 | 9 4 | 20 53 | 20 50 | 19 28 | 6 38 | 6 30 |
| M18 | 11 6 | 16 30 | 1 14 | 17 56 | 1 35 | 4 17 | 1 30 | 22 39 | 0 34 | 14 44 | 0 57 | 2 36 | 1 47 | 22 44 | 0 19 | 9 50 | 0 19 | 14 10 | 9 4 | 20 53 | 20 51 | 19 25 | 6 37 | 6 31 |
| T 19 | 11 27 | 12 5 | 2 13 | 18 34 | 1 46 | 4 46 | 1 30 | 22 37 | 0 36 | 14 49 | 0 57 | 2 34 | 1 47 | 22 44 | 0 19 | 9 50 | 0 19 | 14 10 | 9 4 | 20 53 | 20 51 | 19 23 | 6 36 | 6 31 |
| W20 | 11 48 | 7 10 | 3 7 | 19 10 | 1 56 | 5 14 | 1 30 | 22 35 | 0 38 | 14 53 | 0 57 | 2 32 | 1 47 | 22 44 | 0 19 | 9 49 | 0 19 | 14 10 | 9 4 | 20 54 | 20 52 | 19 21 | 6 34 | 6 31 |
| T 21 | 12 8 | 1 54 | 3 53 | 19 44 | 2 5 | 5 43 | 1 29 | 22 33 | 0 40 | 14 57 | 0 57 | 2 29 | 1 47 | 22 44 | 0 19 | 9 49 | 0 19 | 14 10 | 9 4 | 20 55 | 20 53 | 19 18 | 6 33 | 6 32 |
| F 22 | 12 28 | 3s34 | 4 29 | 20 14 | 2 14 | 6 11 | 1 29 | 22 31 | 0 41 | 15 2 | 0 57 | 2 27 | 1 47 | 22 44 | 0 19 | 9 48 | 0 19 | 14 9 | 9 5 | 20 57 | 20 53 | 19 16 | 6 32 | 6 32 |
| S 23 | 12 48 | 9 1 | 4 52 | 20 43 | 2 23 | 6 39 | 1 29 | 22 29 | 0 43 | 15 6 | 0 56 | 2 24 | 1 47 | 22 44 | 0 19 | 9 48 | 0 19 | 14 9 | 9 5 | 20 59 | 20 54 | 19 14 | 6 31 | 6 32 |
| S 24 | 13 8 | 14 11 | 5 1 | 21 8 | 2 30 | 7 7 | 1 28 | 22 26 | 0 45 | 15 10 | 0 56 | 2 22 | 1 48 | 22 44 | 0 19 | 9 47 | 0 19 | 14 9 | 9 5 | 21 1 | 20 54 | 19 11 | 6 30 | 6 33 |
| M25 | 13 27 | 18 48 | 4 53 | 21 31 | 2 36 | 7 35 | 1 28 | 22 24 | 0 47 | 15 14 | 0 56 | 2 20 | 1 48 | 22 44 | 0 19 | 9 47 | 0 19 | 14 9 | 9 5 | 21 3 | 20 55 | 19 9 | 6 29 | 6 33 |
| T 26 | 13 47 | 22 29 | 4 28 | 21 51 | 2 42 | 8 3 | 1 27 | 22 22 | 0 49 | 15 19 | 0 56 | 2 17 | 1 48 | 22 44 | 0 19 | 9 46 | 0 19 | 14 9 | 9 5 | 21 5 | 20 55 | 19 7 | 6 27 | 6 33 |
| W27 | 14 6 | 24 55 | 3 46 | 22 9 | 2 47 | 8 30 | 1 27 | 22 20 | 0 51 | 15 23 | 0 56 | 2 15 | 1 48 | 22 44 | 0 19 | 9 46 | 0 19 | 14 9 | 9 5 | 21 7 | 20 56 | 19 4 | 6 26 | 6 34 |
| T 28 | 14 24 | 25 47 | 2 50 | 22 23 | 2 50 | 8 57 | 1 26 | 22 17 | 0 53 | 15 27 | 0 56 | 2 13 | 1 48 | 22 44 | 0 19 | 9 45 | 0 19 | 14 9 | 9 6 | 21 8 | 20 57 | 19 2 | 6 25 | 6 34 |
| F 29 | 14 43 | 24 58 | 1 44 | 22 36 | 2 53 | 9 24 | 1 25 | 22 15 | 0 55 | 15 31 | 0 56 | 2 10 | 1 48 | 22 44 | 0 19 | 9 45 | 0 19 | 14 8 | 9 6 | 21 8 | 20 57 | 19 0 | 6 24 | 6 35 |
| S 30 | 15n 1 | 22s33 | 0s31 | 22n45 | 2n54 | 9n51 | 1s24 | 22s13 | 0s57 | 15n36 | 0s56 | 2s 8 | 1s49 | 22s44 | 0s19 | 9s44 | 0s19 | 14s 8 | 9n 6 | 21s 9 | 20s58 | 18n57 | 6s23 | 6n35 |

Julian Day Number = 2815417.5, Delta T = 54m28s
Ecliptic obliquity = 23°18'41, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°41'12, Lahiri = 37°48'12


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# ASTRODIENST EPHEMERIS for the year 2996
# geocentric

## MAY 2996 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 40 16 | 11♉54'00 | 2♒41 | 29♉57 | 0♉33 | 24♋ 0 | 16♉ 4 | 28♓54 | 15°R28 | 5♓31 | 4°R36 | 24♋17 | 25♋15 | 2♌19 | 26♒37 | S 1 |
| M 2 | 14 44 13 | 12°52'46 | 16°47 | 0♊21 | 1°47 | 24°25 | 16°18 | 29° 0 | 15♋27 | 5°32 | 4♋35 | 24°R17 | 25°12 | 2°26 | 26°39 | M 2 |
| T 3 | 14 48 9 | 13°51'29 | 0♓50 | 0°40 | 3° 1 | 24°50 | 16°33 | 29° 6 | 15°27 | 5°33 | 4°35 | 24°16 | 25° 8 | 2°32 | 26°41 | T 3 |
| W 4 | 14 52 6 | 14°50'11 | 14°49 | 0°52 | 4°15 | 25°15 | 16°47 | 29°12 | 15°26 | 5°34 | 4°34 | 24°12 | 25° 5 | 2°39 | 26°43 | W 4 |
| T 5 | 14 56 2 | 15°48'51 | 28°41 | 0°59 | 5°29 | 25°39 | 17° 2 | 29°18 | 15°25 | 5°35 | 4°33 | 24° 7 | 25° 2 | 2°46 | 26°45 | T 5 |
| F 6 | 14 59 59 | 16°47'30 | 12♈25 | 0°R59 | 6°44 | 26° 3 | 17°16 | 29°24 | 15°24 | 5°36 | 4°32 | 23°58 | 24°59 | 2°52 | 26°46 | F 6 |
| S 7 | 15 3 56 | 17°46'07 | 25°59 | 0°54 | 7°58 | 26°27 | 17°30 | 29°29 | 15°23 | 5°37 | 4°31 | 23°48 | 24°56 | 2°59 | 26°48 | S 7 |
| S 8 | 15 7 52 | 18°44'42 | 9♉20 | 0°43 | 9°12 | 26°51 | 17°45 | 29°35 | 15°22 | 5°38 | 4°30 | 23°37 | 24°53 | 3° 6 | 26°50 | S 8 |
| M 9 | 15 11 49 | 19°43'16 | 22°26 | 0°27 | 10°26 | 27°14 | 17°59 | 29°41 | 15°21 | 5°39 | 4°29 | 23°26 | 24°49 | 3°12 | 26°51 | M 9 |
| T 10 | 15 15 45 | 20°41'47 | 5♊16 | 0° 6 | 11°40 | 27°37 | 18°14 | 29°46 | 15°20 | 5°40 | 4°28 | 23°16 | 24°46 | 3°19 | 26°53 | T 10 |
| W11 | 15 19 42 | 21°40'17 | 17°49 | 29♉41 | 12°54 | 27°59 | 18°28 | 29°51 | 15°19 | 5°41 | 4°27 | 23° 9 | 24°43 | 3°26 | 26°54 | W11 |
| T 12 | 15 23 38 | 22°38'45 | 0♋ 7 | 29°12 | 14° 8 | 28°21 | 18°43 | 29°57 | 15°18 | 5°42 | 4°26 | 23° 4 | 24°40 | 3°32 | 26°55 | T 12 |
| F 13 | 15 27 35 | 23°37'11 | 12°11 | 28°40 | 15°22 | 28°43 | 18°57 | 0♈ 2 | 15°17 | 5°43 | 4°25 | 23° 1 | 24°37 | 3°39 | 26°57 | F 13 |
| S 14 | 15 31 32 | 24°35'35 | 24° 5 | 28° 5 | 16°36 | 29° 5 | 19°12 | 0° 7 | 15°16 | 5°43 | 4°24 | 23°D 0 | 24°33 | 3°45 | 26°58 | S 14 |
| S 15 | 15 35 28 | 25°33'56 | 5♌54 | 27°28 | 17°50 | 29°26 | 19°26 | 0°13 | 15°15 | 5°44 | 4°23 | 23° 1 | 24°30 | 3°52 | 26°59 | S 15 |
| M16 | 15 39 25 | 26°32'16 | 17°43 | 26°50 | 19° 4 | 29°46 | 19°40 | 0°18 | 15°13 | 5°45 | 4°22 | 23° 2 | 24°27 | 3°59 | 27° 0 | M16 |
| T 17 | 15 43 21 | 27°30'34 | 29°35 | 26°12 | 20°18 | 0♒ 7 | 19°55 | 0°23 | 15°12 | 5°46 | 4°20 | 23°R 2 | 24°24 | 4° 5 | 27° 1 | T 17 |
| W18 | 15 47 18 | 28°28'49 | 11♍38 | 25°33 | 21°32 | 0°27 | 20° 9 | 0°28 | 15°11 | 5°46 | 4°19 | 23° 1 | 24°21 | 4°12 | 27° 2 | W18 |
| T 19 | 15 51 14 | 29°27'03 | 23°56 | 24°55 | 22°46 | 0°46 | 20°23 | 0°33 | 15° 9 | 5°47 | 4°18 | 22°58 | 24°18 | 4°19 | 27° 3 | T 19 |
| F 20 | 15 55 11 | 0♊25'15 | 6♎33 | 24°19 | 24° 0 | 1° 5 | 20°38 | 0°37 | 15° 8 | 5°48 | 4°17 | 22°53 | 24°14 | 4°25 | 27° 4 | F 20 |
| S 21 | 15 59 7 | 1°23'25 | 19°33 | 23°45 | 25°14 | 1°24 | 20°52 | 0°42 | 15° 6 | 5°48 | 4°15 | 22°46 | 24°11 | 4°32 | 27° 5 | S 21 |
| S 22 | 16 3 4 | 2°21'33 | 2♏56 | 23°13 | 26°28 | 1°42 | 21° 6 | 0°47 | 15° 5 | 5°49 | 4°14 | 22°38 | 24° 8 | 4°39 | 27° 5 | S 22 |
| M23 | 16 7 0 | 3°19'39 | 16°43 | 22°45 | 27°42 | 2° 0 | 21°21 | 0°52 | 15° 3 | 5°49 | 4°13 | 22°30 | 24° 5 | 4°45 | 27° 6 | M23 |
| T 24 | 16 10 57 | 4°17'44 | 0♐50 | 22°20 | 28°56 | 2°17 | 21°35 | 0°56 | 15° 1 | 5°50 | 4°12 | 22°23 | 24° 2 | 4°52 | 27° 6 | T 24 |
| W25 | 16 14 54 | 5°15'47 | 15°13 | 21°58 | 0♊10 | 2°34 | 21°49 | 1° 1 | 15° 0 | 5°50 | 4°10 | 22°17 | 23°59 | 4°59 | 27° 7 | W25 |
| T 26 | 16 18 50 | 6°13'48 | 29°46 | 21°41 | 1°24 | 2°50 | 22° 3 | 1° 5 | 14°58 | 5°50 | 4° 9 | 22°13 | 23°55 | 5° 5 | 27° 7 | T 26 |
| F 27 | 16 22 47 | 7°11'49 | 14♋22 | 21°28 | 2°38 | 3° 6 | 22°17 | 1° 9 | 14°56 | 5°51 | 4° 8 | 22°11 | 23°52 | 5°12 | 27° 8 | F 27 |
| S 28 | 16 26 43 | 8° 9'47 | 28°55 | 21°20 | 3°52 | 3°22 | 22°32 | 1°14 | 14°54 | 5°51 | 4° 6 | 22°D11 | 23°49 | 5°19 | 27° 8 | S 28 |
| S 29 | 16 30 40 | 9° 7'45 | 13♒22 | 21°D16 | 5° 5 | 3°37 | 22°46 | 1°18 | 14°53 | 5°51 | 4° 5 | 22°12 | 23°46 | 5°25 | 27° 8 | S 29 |
| M30 | 16 34 36 | 10° 5'41 | 27°38 | 21°17 | 6°19 | 3°51 | 23° 0 | 1°22 | 14°51 | 5°52 | 4° 3 | 22°13 | 23°43 | 5°32 | 27° 8 | M30 |
| T 31 | 16 38 33 | 11♊ 3'36 | 11♓42 | 21♉22 | 7♊33 | 4♒ 5 | 23♉14 | 1♈26 | 14♋49 | 5♓52 | 4♋ 2 | 22°R13 | 23♋39 | 5♌38 | 27°R 8 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n19 | 18s44 | 0n45 | 22n52 | 2n54 | 10n18 | 1s23 | 22s10 | 1s 0 | 15n40 | 0s56 | 2s 6 | 1s49 | 22s44 | 0s19 | 9s44 | 0s19 | 14s 8 | 9n 6 | 21s 9 | 20s58 | 18n55 | 6s22 | 6n35 |
| M 2 | 15 37 | 13 52 | 1 57 | 22 56 | 2 53 | 10 44 | 1 22 | 22 8 | 1 2 | 15 44 | 0 56 | 2 4 | 1 49 | 22 44 | 0 19 | 9 44 | 0 19 | 14 8 | 9 6 | 21 9 | 20 59 | 18 53 | 6 21 | 6 36 |
| T 3 | 15 55 | 8 17 | 3 1 | 22 57 | 2 50 | 11 11 | 1 21 | 22 6 | 1 4 | 15 48 | 0 56 | 2 1 | 1 49 | 22 44 | 0 19 | 9 43 | 0 19 | 14 8 | 9 6 | 21 9 | 21 0 | 18 50 | 6 20 | 6 36 |
| W 4 | 16 12 | 2 20 | 3 55 | 22 56 | 2 46 | 11 37 | 1 20 | 22 3 | 1 6 | 15 52 | 0 56 | 1 59 | 1 49 | 22 45 | 0 19 | 9 43 | 0 19 | 14 8 | 9 6 | 21 9 | 21 0 | 18 48 | 6 19 | 6 37 |
| T 5 | 16 29 | 3n40 | 4 34 | 22 52 | 2 41 | 12 2 | 1 19 | 22 1 | 1 9 | 15 56 | 0 56 | 1 57 | 1 49 | 22 45 | 0 19 | 9 42 | 0 19 | 14 8 | 9 7 | 21 10 | 21 1 | 18 46 | 6 18 | 6 37 |
| F 6 | 16 46 | 9 26 | 4 57 | 22 46 | 2 34 | 12 28 | 1 18 | 21 59 | 1 11 | 16 0 | 0 56 | 1 55 | 1 50 | 22 45 | 0 19 | 9 42 | 0 19 | 14 8 | 9 7 | 21 12 | 21 1 | 18 43 | 6 17 | 6 37 |
| S 7 | 17 2 | 14 41 | 5 3 | 22 37 | 2 26 | 12 53 | 1 17 | 21 57 | 1 13 | 16 4 | 0 56 | 1 53 | 1 50 | 22 45 | 0 19 | 9 42 | 0 19 | 14 8 | 9 7 | 21 14 | 21 2 | 18 41 | 6 16 | 6 38 |
| S 8 | 17 18 | 19 8 | 4 52 | 22 26 | 2 17 | 13 17 | 1 15 | 21 55 | 1 16 | 16 9 | 0 56 | 1 51 | 1 50 | 22 45 | 0 19 | 9 41 | 0 19 | 14 7 | 9 7 | 21 16 | 21 2 | 18 39 | 6 15 | 6 38 |
| M 9 | 17 34 | 22 33 | 4 25 | 22 12 | 2 7 | 13 42 | 1 14 | 21 53 | 1 18 | 16 13 | 0 56 | 1 49 | 1 50 | 22 45 | 0 19 | 9 41 | 0 19 | 14 7 | 9 7 | 21 17 | 21 3 | 18 36 | 6 14 | 6 39 |
| T 10 | 17 50 | 24 46 | 3 46 | 21 56 | 1 55 | 14 6 | 1 13 | 21 51 | 1 21 | 16 17 | 0 56 | 1 47 | 1 50 | 22 45 | 0 19 | 9 41 | 0 19 | 14 7 | 9 7 | 21 19 | 21 4 | 18 34 | 6 13 | 6 39 |
| W11 | 18 5 | 25 41 | 2 56 | 21 38 | 1 42 | 14 30 | 1 11 | 21 49 | 1 23 | 16 21 | 0 55 | 1 45 | 1 50 | 22 46 | 0 19 | 9 40 | 0 19 | 14 7 | 9 7 | 21 20 | 21 4 | 18 32 | 6 13 | 6 39 |
| T 12 | 18 20 | 25 18 | 1 59 | 21 18 | 1 28 | 14 53 | 1 10 | 21 47 | 1 26 | 16 25 | 0 55 | 1 43 | 1 51 | 22 46 | 0 19 | 9 40 | 0 19 | 14 7 | 9 7 | 21 21 | 21 5 | 18 29 | 6 12 | 6 40 |
| F 13 | 18 35 | 23 43 | 0 58 | 20 56 | 1 13 | 15 16 | 1 8 | 21 45 | 1 28 | 16 29 | 0 55 | 1 41 | 1 51 | 22 46 | 0 19 | 9 40 | 0 19 | 14 7 | 9 8 | 21 22 | 21 5 | 18 27 | 6 11 | 6 40 |
| S 14 | 18 49 | 21 5 | 0s 6 | 20 33 | 0 57 | 15 39 | 1 7 | 21 43 | 1 31 | 16 32 | 0 55 | 1 39 | 1 51 | 22 46 | 0 20 | 9 40 | 0 19 | 14 7 | 9 8 | 21 22 | 21 6 | 18 24 | 6 10 | 6 41 |
| S 15 | 19 3 | 17 35 | 1 9 | 20 9 | 0 40 | 16 1 | 1 5 | 21 41 | 1 34 | 16 36 | 0 55 | 1 37 | 1 51 | 22 46 | 0 20 | 9 39 | 0 19 | 14 7 | 9 8 | 21 22 | 21 6 | 18 22 | 6 9 | 6 41 |
| M16 | 19 17 | 13 24 | 2 9 | 19 43 | 0 23 | 16 23 | 1 3 | 21 40 | 1 36 | 16 40 | 0 55 | 1 35 | 1 51 | 22 46 | 0 20 | 9 39 | 0 19 | 14 7 | 9 8 | 21 21 | 21 7 | 18 20 | 6 9 | 6 41 |
| T 17 | 19 30 | 8 41 | 3 4 | 19 18 | 0 6 | 16 44 | 1 2 | 21 38 | 1 39 | 16 44 | 0 55 | 1 33 | 1 52 | 22 46 | 0 20 | 9 39 | 0 19 | 14 7 | 9 8 | 21 21 | 21 7 | 18 17 | 6 8 | 6 42 |
| W18 | 19 43 | 3 36 | 3 51 | 18 51 | 0s12 | 17 5 | 1 0 | 21 37 | 1 42 | 16 48 | 0 55 | 1 32 | 1 52 | 22 47 | 0 20 | 9 39 | 0 19 | 14 7 | 9 8 | 21 22 | 21 8 | 18 15 | 6 7 | 6 42 |
| T 19 | 19 56 | 1s43 | 4 29 | 18 25 | 0 29 | 17 26 | 0 58 | 21 35 | 1 45 | 16 52 | 0 55 | 1 30 | 1 52 | 22 47 | 0 20 | 9 38 | 0 19 | 14 7 | 9 8 | 21 22 | 21 9 | 18 12 | 6 7 | 6 43 |
| F 20 | 20 8 | 7 6 | 4 55 | 18 0 | 0 47 | 17 46 | 0 56 | 21 34 | 1 48 | 16 56 | 0 55 | 1 28 | 1 52 | 22 47 | 0 20 | 9 38 | 0 19 | 14 7 | 9 8 | 21 23 | 21 9 | 18 10 | 6 6 | 6 43 |
| S 21 | 20 20 | 12 20 | 5 7 | 17 35 | 1 4 | 18 6 | 0 54 | 21 33 | 1 51 | 16 59 | 0 55 | 1 26 | 1 52 | 22 47 | 0 20 | 9 38 | 0 19 | 14 7 | 9 8 | 21 24 | 21 10 | 18 8 | 6 5 | 6 44 |
| S 22 | 20 31 | 17 9 | 5 2 | 17 11 | 1 20 | 18 25 | 0 52 | 21 31 | 1 54 | 17 3 | 0 55 | 1 25 | 1 53 | 22 47 | 0 20 | 9 38 | 0 19 | 14 7 | 9 8 | 21 25 | 21 10 | 18 5 | 6 5 | 6 44 |
| M23 | 20 43 | 21 13 | 4 40 | 16 49 | 1 36 | 18 43 | 0 50 | 21 30 | 1 57 | 17 7 | 0 55 | 1 23 | 1 53 | 22 48 | 0 20 | 9 38 | 0 19 | 14 6 | 9 8 | 21 27 | 21 11 | 18 3 | 6 4 | 6 44 |
| T 24 | 20 53 | 24 9 | 4 1 | 16 27 | 1 51 | 19 2 | 0 48 | 21 30 | 2 0 | 17 10 | 0 55 | 1 22 | 1 53 | 22 48 | 0 20 | 9 38 | 0 19 | 14 6 | 9 9 | 21 28 | 21 11 | 18 0 | 6 3 | 6 45 |
| W25 | 21 4 | 25 35 | 3 6 | 16 8 | 2 6 | 19 19 | 0 46 | 21 29 | 2 3 | 17 14 | 0 55 | 1 20 | 1 53 | 22 48 | 0 20 | 9 37 | 0 19 | 14 6 | 9 9 | 21 29 | 21 12 | 17 58 | 6 3 | 6 45 |
| T 26 | 21 14 | 25 17 | 1 58 | 15 51 | 2 19 | 19 36 | 0 44 | 21 28 | 2 6 | 17 18 | 0 55 | 1 18 | 1 53 | 22 48 | 0 20 | 9 37 | 0 19 | 14 6 | 9 9 | 21 29 | 21 12 | 17 55 | 6 2 | 6 46 |
| F 27 | 21 24 | 23 14 | 0 42 | 15 35 | 2 32 | 19 53 | 0 42 | 21 28 | 2 9 | 17 21 | 0 55 | 1 17 | 1 54 | 22 48 | 0 20 | 9 37 | 0 19 | 14 6 | 9 9 | 21 30 | 21 13 | 17 53 | 6 2 | 6 46 |
| S 28 | 21 33 | 19 40 | 0n37 | 15 22 | 2 43 | 20 9 | 0 40 | 21 27 | 2 13 | 17 25 | 0 55 | 1 15 | 1 54 | 22 49 | 0 20 | 9 37 | 0 19 | 14 6 | 9 9 | 21 30 | 21 13 | 17 51 | 6 1 | 6 47 |
| S 29 | 21 42 | 14 55 | 1 52 | 15 11 | 2 54 | 20 25 | 0 38 | 21 27 | 2 16 | 17 29 | 0 55 | 1 14 | 1 54 | 22 49 | 0 20 | 9 37 | 0 19 | 14 6 | 9 9 | 21 30 | 21 14 | 17 48 | 6 1 | 6 47 |
| M30 | 21 51 | 9 24 | 3 0 | 15 2 | 3 3 | 20 40 | 0 36 | 21 27 | 2 19 | 17 32 | 0 55 | 1 13 | 1 54 | 22 49 | 0 20 | 9 37 | 0 19 | 14 6 | 9 9 | 21 29 | 21 15 | 17 46 | 6 0 | 6 47 |
| T 31 | 21n59 | 3s29 | 3n56 | 14n55 | 3s12 | 20n54 | 0s33 | 21s27 | 2s23 | 17n36 | 0s55 | 1s11 | 1s54 | 22s49 | 0s20 | 9s37 | 0s20 | 14s 6 | 9n 9 | 21s29 | 21s15 | 17n43 | 6s 0 | 6n48 |

Julian Day Number = 2815447.5, Delta T = 54m28s
Ecliptic obliquity = 23°18'41, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°41'16, Lahiri = 37°48'17


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# ASTRODIENST EPHEMERIS for the year 2996
# geocentric

## JUNE 2996 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 42 30 | 12♊ 1'30 | 25♓33 | 21♉32 | 8♊47 | 4♒18 | 23♉28 | 1♈30 | 14°R47 | 5♓52 | 4°R 0 | 22°R13 | 23♑36 | 5♌45 | 27°R 8 | W 1 |
| T 2 | 16 46 26 | 12°59'22 | 9♈11 | 21°47 | 10° 1 | 4°31 | 23°42 | 1°34 | 14♑45 | 5°52 | 3♑59 | 22♑10 | 23°33 | 5°52 | 27♒ 8 | T 2 |
| F 3 | 16 50 23 | 13°57'14 | 22°35 | 22° 6 | 11°15 | 4°43 | 23°56 | 1°37 | 14°43 | 5°52 | 3°58 | 22° 6 | 23°30 | 5°58 | 27° 8 | F 3 |
| S 4 | 16 54 19 | 14°55'04 | 5♉46 | 22°29 | 12°29 | 4°54 | 24°10 | 1°41 | 14°41 | 5°53 | 3°56 | 22° 0 | 23°27 | 6° 5 | 27° 8 | S 4 |
| S 5 | 16 58 16 | 15°52'54 | 18°44 | 22°56 | 13°43 | 5° 5 | 24°24 | 1°45 | 14°39 | 5°53 | 3°55 | 21°54 | 23°24 | 6°12 | 27° 7 | S 5 |
| M 6 | 17 2 12 | 16°50'42 | 1♊28 | 23°28 | 14°56 | 5°16 | 24°38 | 1°48 | 14°37 | 5°53 | 3°53 | 21°48 | 23°20 | 6°18 | 27° 7 | M 6 |
| T 7 | 17 6 9 | 17°48'28 | 14° 0 | 24° 4 | 16°10 | 5°25 | 24°52 | 1°52 | 14°35 | 5°R53 | 3°52 | 21°43 | 23°17 | 6°25 | 27° 7 | T 7 |
| W 8 | 17 10 5 | 18°46'14 | 26°18 | 24°43 | 17°24 | 5°34 | 25° 5 | 1°55 | 14°33 | 5°53 | 3°50 | 21°39 | 23°14 | 6°32 | 27° 6 | W 8 |
| T 9 | 17 14 2 | 19°43'58 | 8♋26 | 25°27 | 18°38 | 5°43 | 25°19 | 1°58 | 14°31 | 5°53 | 3°49 | 21°37 | 23°11 | 6°38 | 27° 6 | T 9 |
| F 10 | 17 17 59 | 20°41'41 | 20°24 | 26°14 | 19°52 | 5°50 | 25°33 | 2° 2 | 14°29 | 5°52 | 3°47 | 21°D36 | 23° 8 | 6°45 | 27° 5 | F 10 |
| S 11 | 17 21 55 | 21°39'23 | 2♌15 | 27° 5 | 21° 6 | 5°58 | 25°46 | 2° 5 | 14°26 | 5°52 | 3°45 | 21°36 | 23° 5 | 6°52 | 27° 4 | S 11 |
| S 12 | 17 25 52 | 22°37'03 | 14° 3 | 27°59 | 22°19 | 6° 4 | 26° 0 | 2° 8 | 14°24 | 5°52 | 3°44 | 21°38 | 23° 1 | 6°58 | 27° 4 | S 12 |
| M13 | 17 29 48 | 23°34'42 | 25°51 | 28°56 | 23°33 | 6°10 | 26°14 | 2°11 | 14°22 | 5°52 | 3°42 | 21°39 | 22°58 | 7° 5 | 27° 3 | M13 |
| T 14 | 17 33 45 | 24°32'19 | 7♍44 | 29°57 | 24°47 | 6°15 | 26°27 | 2°13 | 14°20 | 5°52 | 3°41 | 21°41 | 22°55 | 7°12 | 27° 2 | T 14 |
| W15 | 17 37 41 | 25°29'55 | 19°46 | 1♎ 1 | 26° 1 | 6°19 | 26°41 | 2°16 | 14°17 | 5°51 | 3°39 | 21°R42 | 22°52 | 7°18 | 27° 1 | W15 |
| T 16 | 17 41 38 | 26°27'30 | 2♏ 3 | 2° 8 | 27°15 | 6°23 | 26°54 | 2°19 | 14°15 | 5°51 | 3°38 | 21°42 | 22°49 | 7°25 | 27° 0 | T 16 |
| F 17 | 17 45 34 | 27°25'03 | 14°38 | 3°18 | 28°29 | 6°26 | 27° 8 | 2°21 | 14°13 | 5°51 | 3°36 | 21°41 | 22°45 | 7°31 | 26°59 | F 17 |
| S 18 | 17 49 31 | 28°22'35 | 27°37 | 4°32 | 29°42 | 6°28 | 27°21 | 2°24 | 14°11 | 5°51 | 3°34 | 21°39 | 22°42 | 7°38 | 26°58 | S 18 |
| S 19 | 17 53 28 | 29°20'06 | 11♏ 1 | 5°48 | 0♋56 | 6°29 | 27°34 | 2°26 | 14° 8 | 5°50 | 3°33 | 21°36 | 22°39 | 7°45 | 26°56 | S 19 |
| M20 | 17 57 24 | 0♋17'35 | 24°51 | 7° 7 | 2°10 | 6°30 | 27°47 | 2°28 | 14° 6 | 5°50 | 3°31 | 21°33 | 22°36 | 7°51 | 26°55 | M20 |
| T 21 | 18 1 21 | 1°15'04 | 9♐ 6 | 8°29 | 3°24 | 6°R30 | 28° 1 | 2°30 | 14° 4 | 5°49 | 3°30 | 21°30 | 22°33 | 7°58 | 26°54 | T 21 |
| W22 | 18 5 17 | 2°12'31 | 23°42 | 9°54 | 4°37 | 6°30 | 28°14 | 2°33 | 14° 1 | 5°49 | 3°28 | 21°28 | 22°30 | 8° 5 | 26°52 | W22 |
| T 23 | 18 9 14 | 3° 9'58 | 8♑33 | 11°21 | 5°51 | 6°28 | 28°27 | 2°35 | 13°59 | 5°48 | 3°26 | 21°27 | 22°26 | 8°11 | 26°51 | T 23 |
| F 24 | 18 13 10 | 4° 7'24 | 23°31 | 12°52 | 7° 5 | 6°26 | 28°40 | 2°36 | 13°56 | 5°48 | 3°25 | 21°D27 | 22°23 | 8°18 | 26°50 | F 24 |
| S 25 | 18 17 7 | 5° 4'49 | 8♒28 | 14°25 | 8°19 | 6°23 | 28°53 | 2°38 | 13°54 | 5°47 | 3°23 | 21°27 | 22°20 | 8°25 | 26°48 | S 25 |
| S 26 | 18 21 4 | 6° 2'13 | 23°16 | 16° 1 | 9°32 | 6°19 | 29° 6 | 2°40 | 13°52 | 5°47 | 3°22 | 21°28 | 22°17 | 8°31 | 26°46 | S 26 |
| M27 | 18 25 0 | 6°59'37 | 7♓50 | 17°40 | 10°46 | 6°15 | 29°19 | 2°42 | 13°49 | 5°46 | 3°20 | 21°29 | 22°14 | 8°38 | 26°45 | M27 |
| T 28 | 18 28 57 | 7°57'00 | 22° 5 | 19°21 | 12° 0 | 6°10 | 29°31 | 2°43 | 13°47 | 5°45 | 3°18 | 21°30 | 22°11 | 8°45 | 26°43 | T 28 |
| W29 | 18 32 53 | 8°54'23 | 6♈ 0 | 21° 5 | 13°14 | 6° 4 | 29°44 | 2°44 | 13°44 | 5°45 | 3°17 | 21°R31 | 22° 7 | 8°51 | 26°41 | W29 |
| T 30 | 18 36 50 | 9♋51'45 | 19♈34 | 22♊52 | 14♋27 | 5♒57 | 29♉57 | 2♈46 | 13♑42 | 5♓44 | 3♑15 | 21♑30 | 22♑ 4 | 8♌58 | 26♒39 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n 7 | 2n30 | 4n38 | 14n50 | 3s19 | 21n 8 | 0s31 | 21s27 | 2s26 | 17n39 | 0s55 | 1s10 | 1s55 | 22s50 | 0s20 | 9s37 | 0s20 | 14s 6 | 9n 9 | 21s29 | 21s16 | 17n41 | 6s 0 | 6n48 |
| T 2 | 22 14 | 8 16 | 5 3 | 14 48 | 3 26 | 21 21 | 0 29 | 21 27 | 2 30 | 17 43 | 0 55 | 1 8 | 1 55 | 22 50 | 0 20 | 9 37 | 0 20 | 14 6 | 9 9 | 21 30 | 21 16 | 17 38 | 5 59 | 6 49 |
| F 3 | 22 21 | 13 33 | 5 11 | 14 47 | 3 31 | 21 34 | 0 27 | 21 28 | 2 33 | 17 46 | 0 55 | 1 7 | 1 55 | 22 50 | 0 20 | 9 37 | 0 20 | 14 7 | 9 9 | 21 31 | 21 17 | 17 36 | 5 59 | 6 49 |
| S 4 | 22 28 | 18 7 | 5 2 | 14 49 | 3 35 | 21 46 | 0 24 | 21 29 | 2 37 | 17 49 | 0 55 | 1 6 | 1 55 | 22 50 | 0 20 | 9 37 | 0 20 | 14 7 | 9 9 | 21 31 | 21 17 | 17 33 | 5 59 | 6 49 |
| S 5 | 22 34 | 21 45 | 4 38 | 14 53 | 3 39 | 21 57 | 0 22 | 21 30 | 2 41 | 17 53 | 0 55 | 1 5 | 1 56 | 22 50 | 0 20 | 9 37 | 0 20 | 14 7 | 9 9 | 21 32 | 21 18 | 17 31 | 5 58 | 6 50 |
| M 6 | 22 40 | 24 15 | 4 0 | 14 58 | 3 41 | 22 8 | 0 20 | 21 31 | 2 45 | 17 56 | 0 55 | 1 4 | 1 56 | 22 51 | 0 20 | 9 37 | 0 20 | 14 7 | 9 9 | 21 33 | 21 18 | 17 28 | 5 58 | 6 50 |
| T 7 | 22 45 | 25 31 | 3 11 | 15 5 | 3 43 | 22 18 | 0 17 | 21 32 | 2 48 | 17 59 | 0 55 | 1 2 | 1 56 | 22 51 | 0 20 | 9 37 | 0 20 | 14 7 | 9 9 | 21 34 | 21 19 | 17 26 | 5 58 | 6 51 |
| W 8 | 22 50 | 25 30 | 2 14 | 15 14 | 3 44 | 22 28 | 0 15 | 21 33 | 2 52 | 18 3 | 0 55 | 1 1 | 1 56 | 22 51 | 0 20 | 9 37 | 0 20 | 14 7 | 9 9 | 21 35 | 21 19 | 17 24 | 5 58 | 6 51 |
| T 9 | 22 55 | 24 14 | 1 12 | 15 24 | 3 43 | 22 37 | 0 13 | 21 35 | 2 56 | 18 6 | 0 55 | 1 0 | 1 57 | 22 51 | 0 20 | 9 37 | 0 20 | 14 7 | 9 9 | 21 35 | 21 20 | 17 21 | 5 57 | 6 51 |
| F 10 | 22 59 | 21 53 | 0 7 | 15 36 | 3 43 | 22 45 | 0 10 | 21 37 | 3 0 | 18 9 | 0 55 | 0 59 | 1 57 | 22 52 | 0 20 | 9 37 | 0 20 | 14 7 | 9 9 | 21 35 | 21 20 | 17 19 | 5 57 | 6 52 |
| S 11 | 23 3 | 18 36 | 0s58 | 15 49 | 3 41 | 22 53 | 0 8 | 21 39 | 3 4 | 18 12 | 0 55 | 0 58 | 1 57 | 22 52 | 0 20 | 9 37 | 0 20 | 14 7 | 9 9 | 21 35 | 21 21 | 17 16 | 5 57 | 6 52 |
| S 12 | 23 6 | 14 36 | 2 0 | 16 3 | 3 38 | 23 0 | 0 6 | 21 41 | 3 8 | 18 16 | 0 55 | 0 57 | 1 57 | 22 52 | 0 20 | 9 37 | 0 20 | 14 7 | 9 9 | 21 35 | 21 22 | 17 14 | 5 57 | 6 53 |
| M13 | 23 9 | 10 3 | 2 57 | 16 19 | 3 35 | 23 6 | 0 3 | 21 44 | 3 12 | 18 19 | 0 55 | 0 56 | 1 58 | 22 52 | 0 20 | 9 37 | 0 20 | 14 7 | 9 9 | 21 35 | 21 22 | 17 11 | 5 57 | 6 53 |
| T 14 | 23 12 | 5 7 | 3 47 | 16 35 | 3 31 | 23 12 | 0 1 | 21 46 | 3 16 | 18 22 | 0 55 | 0 55 | 1 58 | 22 53 | 0 20 | 9 37 | 0 20 | 14 7 | 9 9 | 21 35 | 21 23 | 17 9 | 5 57 | 6 53 |
| W15 | 23 14 | 0s 4 | 4 28 | 16 53 | 3 26 | 23 17 | 0n 2 | 21 49 | 3 20 | 18 25 | 0 55 | 0 55 | 1 58 | 22 53 | 0 20 | 9 37 | 0 20 | 14 7 | 9 9 | 21 34 | 21 23 | 17 6 | 5 57 | 6 54 |
| T 16 | 23 16 | 5 21 | 4 57 | 17 11 | 3 21 | 23 21 | 0 4 | 21 52 | 3 24 | 18 28 | 0 55 | 0 54 | 1 58 | 22 53 | 0 20 | 9 37 | 0 20 | 14 7 | 9 9 | 21 34 | 21 24 | 17 4 | 5 57 | 6 54 |
| F 17 | 23 17 | 10 33 | 5 13 | 17 30 | 3 15 | 23 24 | 0 6 | 21 55 | 3 28 | 18 31 | 0 55 | 0 53 | 1 58 | 22 53 | 0 20 | 9 38 | 0 20 | 14 7 | 9 8 | 21 35 | 21 24 | 17 1 | 5 57 | 6 55 |
| S 18 | 23 18 | 15 26 | 5 13 | 17 50 | 3 9 | 23 27 | 0 9 | 21 59 | 3 32 | 18 34 | 0 55 | 0 52 | 1 59 | 22 54 | 0 20 | 9 38 | 0 20 | 14 8 | 9 8 | 21 35 | 21 25 | 16 59 | 5 57 | 6 55 |
| S 19 | 23 19 | 19 45 | 4 57 | 18 10 | 3 2 | 23 30 | 0 11 | 22 3 | 3 37 | 18 37 | 0 55 | 0 52 | 1 59 | 22 54 | 0 20 | 9 38 | 0 20 | 14 8 | 9 8 | 21 35 | 21 25 | 16 56 | 5 57 | 6 55 |
| M20 | 23 19 | 23 8 | 4 24 | 18 31 | 2 54 | 23 31 | 0 13 | 22 7 | 3 41 | 18 40 | 0 55 | 0 51 | 1 59 | 22 54 | 0 20 | 9 38 | 0 20 | 14 8 | 9 8 | 21 36 | 21 26 | 16 54 | 5 57 | 6 56 |
| T 21 | 23 18 | 25 12 | 3 33 | 18 52 | 2 46 | 23 32 | 0 16 | 22 11 | 3 45 | 18 43 | 0 55 | 0 50 | 1 59 | 22 55 | 0 20 | 9 38 | 0 20 | 14 8 | 9 8 | 21 36 | 21 26 | 16 51 | 5 57 | 6 56 |
| W22 | 23 18 | 25 37 | 2 27 | 19 13 | 2 38 | 23 32 | 0 18 | 22 15 | 3 49 | 18 46 | 0 55 | 0 50 | 2 0 | 22 55 | 0 20 | 9 38 | 0 20 | 14 8 | 9 8 | 21 36 | 21 27 | 16 49 | 5 57 | 6 56 |
| T 23 | 23 16 | 24 13 | 1 11 | 19 34 | 2 29 | 23 31 | 0 20 | 22 19 | 3 54 | 18 48 | 0 55 | 0 49 | 2 0 | 22 55 | 0 20 | 9 39 | 0 20 | 14 8 | 9 8 | 21 37 | 21 27 | 16 46 | 5 57 | 6 57 |
| F 24 | 23 15 | 21 5 | 0n11 | 19 55 | 2 19 | 23 30 | 0 23 | 22 24 | 3 58 | 18 51 | 0 55 | 0 49 | 2 0 | 22 55 | 0 20 | 9 39 | 0 20 | 14 8 | 9 8 | 21 37 | 21 28 | 16 44 | 5 57 | 6 57 |
| S 25 | 23 13 | 16 33 | 1 33 | 20 16 | 2 10 | 23 28 | 0 25 | 22 29 | 4 2 | 18 54 | 0 55 | 0 48 | 2 0 | 22 56 | 0 20 | 9 39 | 0 20 | 14 8 | 9 8 | 21 37 | 21 28 | 16 41 | 5 58 | 6 57 |
| S 26 | 23 10 | 11 3 | 2 47 | 20 36 | 1 59 | 23 26 | 0 27 | 22 34 | 4 6 | 18 57 | 0 55 | 0 48 | 2 1 | 22 56 | 0 20 | 9 39 | 0 20 | 14 9 | 9 8 | 21 37 | 21 29 | 16 38 | 5 58 | 6 58 |
| M27 | 23 8 | 5 2 | 3 50 | 20 56 | 1 49 | 23 22 | 0 30 | 22 39 | 4 11 | 19 0 | 0 55 | 0 47 | 2 1 | 22 56 | 0 20 | 9 40 | 0 20 | 14 9 | 9 8 | 21 36 | 21 29 | 16 36 | 5 58 | 6 58 |
| T 28 | 23 4 | 1n 7 | 4 36 | 21 15 | 1 38 | 23 18 | 0 32 | 22 45 | 4 15 | 19 2 | 0 55 | 0 47 | 2 1 | 22 56 | 0 20 | 9 40 | 0 20 | 14 9 | 9 7 | 21 36 | 21 30 | 16 33 | 5 58 | 6 58 |
| W29 | 23 1 | 7 3 | 5 5 | 21 34 | 1 27 | 23 13 | 0 34 | 22 51 | 4 19 | 19 5 | 0 56 | 0 47 | 2 1 | 22 57 | 0 20 | 9 40 | 0 20 | 14 9 | 9 7 | 21 36 | 21 30 | 16 31 | 5 59 | 6 59 |
| T 30 | 22n57 | 12n30 | 5n17 | 21n51 | 1s16 | 23n 8 | 0n36 | 22s56 | 4s24 | 19n 7 | 0s56 | 0s46 | 2s 2 | 22s57 | 0s20 | 9s40 | 0s20 | 14s 9 | 9n 7 | 21s36 | 21s31 | 16n28 | 5s59 | 6n59 |

Julian Day Number = 2815478.5, Delta T = 54m29s
Ecliptic obliquity = 23°18'40, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°41'20, Lahiri = 37°48'21


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# ASTRODIENST EPHEMERIS for the year 2996
# geocentric

## JULY 2996 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 40 46 | 10♋49'07 | 2♉48 | 24♊42 | 15♋41 | 5°R49 | 0♊ 9 | 2♈47 | 13°R39 | 5°R43 | 3°R14 | 21°R30 | 22♏ 1 | 9♌ 5 | 26°R37 | F 1 |
| S 2 | 18 44 43 | 11°46'29 | 15°45 | 26°34 | 16°55 | 5♒41 | 0°22 | 2°48 | 13♏37 | 5♓42 | 3♏12 | 21♏29 | 21°58 | 9°11 | 26♒35 | S 2 |
| S 3 | 18 48 39 | 12°43'50 | 28°25 | 28°28 | 18° 9 | 5°32 | 0°34 | 2°49 | 13°34 | 5°42 | 3°11 | 21°28 | 21°55 | 9°18 | 26°33 | S 3 |
| M 4 | 18 52 36 | 13°41'11 | 10♊51 | 0♋25 | 19°22 | 5°23 | 0°47 | 2°50 | 13°32 | 5°41 | 3° 9 | 21°27 | 21°51 | 9°25 | 26°31 | M 4 |
| T 5 | 18 56 33 | 14°38'32 | 23° 6 | 2°25 | 20°36 | 5°12 | 0°59 | 2°51 | 13°29 | 5°40 | 3° 7 | 21°26 | 21°48 | 9°31 | 26°29 | T 5 |
| W 6 | 19 0 29 | 15°35'52 | 5♋11 | 4°26 | 21°50 | 5° 1 | 1°11 | 2°51 | 13°27 | 5°39 | 3° 6 | 21°25 | 21°45 | 9°38 | 26°27 | W 6 |
| T 7 | 19 4 26 | 16°33'12 | 17° 8 | 6°30 | 23° 4 | 4°50 | 1°23 | 2°52 | 13°25 | 5°38 | 3° 4 | 21°D25 | 21°42 | 9°45 | 26°25 | T 7 |
| F 8 | 19 8 22 | 17°30'31 | 29° 0 | 8°35 | 24°17 | 4°37 | 1°35 | 2°53 | 13°22 | 5°37 | 3° 3 | 21°25 | 21°39 | 9°51 | 26°22 | F 8 |
| S 9 | 19 12 19 | 18°27'50 | 10♌48 | 10°42 | 25°31 | 4°25 | 1°47 | 2°53 | 13°20 | 5°36 | 3° 1 | 21°25 | 21°36 | 9°58 | 26°20 | S 9 |
| S 10 | 19 16 15 | 19°25'08 | 22°35 | 12°50 | 26°45 | 4°11 | 1°59 | 2°53 | 13°17 | 5°35 | 3° 0 | 21°25 | 21°32 | 10° 4 | 26°18 | S 10 |
| M11 | 19 20 12 | 20°22'26 | 4♍25 | 15° 0 | 27°58 | 3°57 | 2°11 | 2°54 | 13°15 | 5°34 | 2°58 | 21°25 | 21°29 | 10°11 | 26°15 | M11 |
| T 12 | 19 24 8 | 21°19'43 | 16°19 | 17°10 | 29°12 | 3°42 | 2°23 | 2°54 | 13°12 | 5°33 | 2°57 | 21°R26 | 21°26 | 10°18 | 26°13 | T 12 |
| W13 | 19 28 5 | 22°17'00 | 28°23 | 19°21 | 0♌26 | 3°27 | 2°34 | 2°R54 | 13°10 | 5°32 | 2°55 | 21°26 | 21°23 | 10°24 | 26°10 | W13 |
| T 14 | 19 32 2 | 23°14'16 | 10♎39 | 21°32 | 1°40 | 3°12 | 2°46 | 2°54 | 13° 8 | 5°31 | 2°54 | 21°25 | 21°20 | 10°31 | 26° 8 | T 14 |
| F 15 | 19 35 58 | 24°11'32 | 23°12 | 23°43 | 2°53 | 2°56 | 2°57 | 2°53 | 13° 5 | 5°30 | 2°52 | 21°D25 | 21°17 | 10°38 | 26° 5 | F 15 |
| S 16 | 19 39 55 | 25° 8'47 | 6♏ 7 | 25°54 | 4° 7 | 2°40 | 3° 9 | 2°53 | 13° 3 | 5°29 | 2°51 | 21°25 | 21°13 | 10°44 | 26° 3 | S 16 |
| S 17 | 19 43 51 | 26° 6'02 | 19°25 | 28° 5 | 5°21 | 2°23 | 3°20 | 2°53 | 13° 0 | 5°28 | 2°49 | 21°26 | 21°10 | 10°51 | 26° 0 | S 17 |
| M18 | 19 47 48 | 27° 3'17 | 3♐ 9 | 0♌14 | 6°35 | 2° 6 | 3°31 | 2°52 | 12°58 | 5°27 | 2°48 | 21°26 | 21° 7 | 10°58 | 25°57 | M18 |
| T 19 | 19 51 44 | 28° 0'31 | 17°21 | 2°23 | 7°48 | 1°49 | 3°42 | 2°52 | 12°56 | 5°25 | 2°47 | 21°27 | 21° 4 | 11° 4 | 25°55 | T 19 |
| W20 | 19 55 41 | 28°57'45 | 1♑56 | 4°30 | 9° 2 | 1°32 | 3°53 | 2°51 | 12°53 | 5°24 | 2°45 | 21°27 | 21° 1 | 11°11 | 25°52 | W20 |
| T 21 | 19 59 37 | 29°54'59 | 16°52 | 6°36 | 10°16 | 1°14 | 4° 4 | 2°50 | 12°51 | 5°23 | 2°44 | 21°R28 | 20°57 | 11°18 | 25°49 | T 21 |
| F 22 | 20 3 34 | 0♌52'12 | 2♒ 0 | 8°41 | 11°29 | 0°56 | 4°15 | 2°49 | 12°49 | 5°22 | 2°42 | 21°27 | 20°54 | 11°24 | 25°46 | F 22 |
| S 23 | 20 7 31 | 1°49'26 | 17°11 | 10°44 | 12°43 | 0°39 | 4°26 | 2°48 | 12°46 | 5°20 | 2°41 | 21°27 | 20°51 | 11°31 | 25°43 | S 23 |
| S 24 | 20 11 27 | 2°46'40 | 2♓17 | 12°45 | 13°57 | 0°21 | 4°36 | 2°47 | 12°44 | 5°19 | 2°40 | 21°26 | 20°48 | 11°38 | 25°40 | S 24 |
| M25 | 20 15 24 | 3°43'54 | 17° 8 | 14°45 | 15°10 | 0° 3 | 4°47 | 2°46 | 12°42 | 5°18 | 2°38 | 21°24 | 20°45 | 11°44 | 25°37 | M25 |
| T 26 | 20 19 20 | 4°41'08 | 1♈38 | 16°42 | 16°24 | 29♑45 | 4°57 | 2°45 | 12°40 | 5°16 | 2°37 | 21°23 | 20°42 | 11°51 | 25°34 | T 26 |
| W27 | 20 23 17 | 5°38'22 | 15°43 | 18°38 | 17°38 | 29°27 | 5° 8 | 2°43 | 12°38 | 5°15 | 2°36 | 21°22 | 20°38 | 11°58 | 25°31 | W27 |
| T 28 | 20 27 13 | 6°35'38 | 29°22 | 20°33 | 18°51 | 29°10 | 5°18 | 2°42 | 12°35 | 5°14 | 2°35 | 21°21 | 20°35 | 12° 4 | 25°28 | T 28 |
| F 29 | 20 31 10 | 7°32'53 | 12♉35 | 22°25 | 20° 5 | 28°52 | 5°28 | 2°41 | 12°33 | 5°12 | 2°33 | 21°D21 | 20°32 | 12°11 | 25°25 | F 29 |
| S 30 | 20 35 6 | 8°30'09 | 25°26 | 24°15 | 21°19 | 28°35 | 5°38 | 2°39 | 12°31 | 5°11 | 2°32 | 21°22 | 20°29 | 12°18 | 25°22 | S 30 |
| S 31 | 20 39 3 | 9♌27'26 | 7♊57 | 26♌ 4 | 22♌32 | 28♑18 | 5♊48 | 2♈37 | 12♑29 | 5♓10 | 2♑31 | 21♑23 | 20♑26 | 12♌24 | 25♒19 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n52 | 17n15 | 5n11 | 22n 8 | 1s 5 | 23n 2 | 0n39 | 23s 2 | 4s28 | 19n10 | 0s56 | 0s46 | 2s 2 | 22s57 | 0s20 | 9s41 | 0s20 | 14s 9 | 9n 7 | 21s36 | 21s31 | 16n26 | 5s59 | 6n59 |
| S 2 | 22 48 | 21 4 | 4 49 | 22 23 | 0 53 | 22 55 | 0 41 | 23 9 | 4 32 | 19 13 | 0 56 | 0 46 | 2 2 | 22 57 | 0 20 | 9 41 | 0 20 | 14 10 | 9 7 | 21 36 | 21 32 | 16 23 | 6 0 | 7 0 |
| S 3 | 22 42 | 23 49 | 4 14 | 22 37 | 0 42 | 22 48 | 0 43 | 23 15 | 4 36 | 19 15 | 0 56 | 0 46 | 2 3 | 22 58 | 0 20 | 9 41 | 0 20 | 14 10 | 9 7 | 21 37 | 21 32 | 16 21 | 6 0 | 7 0 |
| M 4 | 22 37 | 25 22 | 3 27 | 22 49 | 0 30 | 22 40 | 0 45 | 23 21 | 4 41 | 19 18 | 0 56 | 0 46 | 2 3 | 22 58 | 0 20 | 9 42 | 0 20 | 14 10 | 9 7 | 21 37 | 21 33 | 16 18 | 6 0 | 7 0 |
| T 5 | 22 31 | 25 39 | 2 31 | 22 59 | 0 19 | 22 31 | 0 47 | 23 28 | 4 45 | 19 20 | 0 56 | 0 45 | 2 3 | 22 58 | 0 20 | 9 42 | 0 20 | 14 10 | 9 6 | 21 37 | 21 33 | 16 16 | 6 1 | 7 1 |
| W 6 | 22 24 | 24 42 | 1 29 | 23 7 | 0 7 | 22 21 | 0 49 | 23 35 | 4 49 | 19 23 | 0 56 | 0 45 | 2 3 | 22 58 | 0 20 | 9 42 | 0 20 | 14 10 | 9 6 | 21 37 | 21 34 | 16 13 | 6 1 | 7 1 |
| T 7 | 22 17 | 22 37 | 0 24 | 23 13 | 0n 4 | 22 11 | 0 51 | 23 41 | 4 53 | 19 25 | 0 56 | 0 45 | 2 4 | 22 59 | 0 20 | 9 43 | 0 20 | 14 11 | 9 6 | 21 37 | 21 34 | 16 10 | 6 2 | 7 1 |
| F 8 | 22 10 | 19 34 | 0s42 | 23 17 | 0 15 | 22 1 | 0 53 | 23 48 | 4 57 | 19 27 | 0 56 | 0 45 | 2 4 | 22 59 | 0 20 | 9 43 | 0 20 | 14 11 | 9 6 | 21 37 | 21 35 | 16 8 | 6 2 | 7 1 |
| S 9 | 22 3 | 15 44 | 1 46 | 23 18 | 0 25 | 21 49 | 0 55 | 23 55 | 5 1 | 19 30 | 0 56 | 0 46 | 2 4 | 22 59 | 0 20 | 9 43 | 0 20 | 14 11 | 9 6 | 21 37 | 21 35 | 16 5 | 6 3 | 7 2 |
| S 10 | 21 55 | 11 19 | 2 45 | 23 17 | 0 35 | 21 37 | 0 57 | 24 2 | 5 4 | 19 32 | 0 56 | 0 46 | 2 4 | 22 59 | 0 20 | 9 44 | 0 20 | 14 11 | 9 6 | 21 37 | 21 36 | 16 3 | 6 3 | 7 2 |
| M11 | 21 47 | 6 28 | 3 37 | 23 13 | 0 45 | 21 25 | 0 59 | 24 9 | 5 8 | 19 34 | 0 56 | 0 46 | 2 5 | 23 0 | 0 20 | 9 44 | 0 20 | 14 11 | 9 5 | 21 37 | 21 36 | 16 0 | 6 4 | 7 2 |
| T 12 | 21 38 | 1 22 | 4 20 | 23 7 | 0 54 | 21 12 | 1 0 | 24 16 | 5 12 | 19 36 | 0 56 | 0 46 | 2 5 | 23 0 | 0 20 | 9 44 | 0 20 | 14 12 | 9 5 | 21 37 | 21 37 | 15 58 | 6 4 | 7 2 |
| W13 | 21 29 | 3s50 | 4 52 | 22 57 | 1 3 | 20 58 | 1 2 | 24 23 | 5 15 | 19 39 | 0 56 | 0 46 | 2 5 | 23 0 | 0 20 | 9 45 | 0 20 | 14 12 | 9 5 | 21 37 | 21 37 | 15 55 | 6 5 | 7 3 |
| T 14 | 21 19 | 8 59 | 5 12 | 22 46 | 1 11 | 20 43 | 1 4 | 24 30 | 5 19 | 19 41 | 0 56 | 0 46 | 2 5 | 23 0 | 0 20 | 9 45 | 0 20 | 14 12 | 9 5 | 21 37 | 21 38 | 15 52 | 6 6 | 7 3 |
| F 15 | 21 10 | 13 53 | 5 18 | 22 31 | 1 18 | 20 28 | 1 5 | 24 37 | 5 22 | 19 43 | 0 56 | 0 47 | 2 6 | 23 1 | 0 20 | 9 46 | 0 20 | 14 12 | 9 5 | 21 37 | 21 38 | 15 50 | 6 6 | 7 3 |
| S 16 | 20 59 | 18 19 | 5 7 | 22 14 | 1 24 | 20 13 | 1 7 | 24 44 | 5 25 | 19 45 | 0 56 | 0 47 | 2 6 | 23 1 | 0 20 | 9 46 | 0 20 | 14 13 | 9 4 | 21 37 | 21 39 | 15 47 | 6 7 | 7 3 |
| S 17 | 20 49 | 21 59 | 4 41 | 21 54 | 1 30 | 19 56 | 1 9 | 24 51 | 5 29 | 19 47 | 0 56 | 0 48 | 2 6 | 23 1 | 0 20 | 9 47 | 0 20 | 14 13 | 9 4 | 21 37 | 21 39 | 15 45 | 6 8 | 7 4 |
| M18 | 20 38 | 24 33 | 3 57 | 21 32 | 1 35 | 19 40 | 1 10 | 24 58 | 5 32 | 19 49 | 0 57 | 0 48 | 2 6 | 23 1 | 0 20 | 9 47 | 0 20 | 14 13 | 9 4 | 21 37 | 21 40 | 15 42 | 6 8 | 7 4 |
| T 19 | 20 27 | 25 40 | 2 58 | 21 8 | 1 39 | 19 23 | 1 12 | 25 5 | 5 34 | 19 51 | 0 57 | 0 48 | 2 7 | 23 2 | 0 20 | 9 47 | 0 20 | 14 13 | 9 4 | 21 37 | 21 40 | 15 40 | 6 9 | 7 4 |
| W20 | 20 15 | 25 4 | 1 46 | 20 42 | 1 43 | 19 5 | 1 13 | 25 11 | 5 37 | 19 53 | 0 57 | 0 49 | 2 7 | 23 2 | 0 20 | 9 48 | 0 21 | 14 14 | 9 4 | 21 37 | 21 41 | 15 37 | 6 10 | 7 4 |
| T 21 | 20 4 | 22 41 | 0 26 | 20 14 | 1 46 | 18 46 | 1 14 | 25 18 | 5 40 | 19 55 | 0 57 | 0 49 | 2 7 | 23 2 | 0 20 | 9 48 | 0 21 | 14 14 | 9 3 | 21 37 | 21 41 | 15 34 | 6 11 | 7 4 |
| F 22 | 19 51 | 18 40 | 0n58 | 19 44 | 1 48 | 18 27 | 1 16 | 25 24 | 5 42 | 19 57 | 0 57 | 0 50 | 2 7 | 23 2 | 0 20 | 9 49 | 0 21 | 14 14 | 9 3 | 21 37 | 21 42 | 15 32 | 6 11 | 7 4 |
| S 23 | 19 39 | 13 24 | 2 18 | 19 12 | 1 49 | 18 8 | 1 17 | 25 30 | 5 44 | 19 59 | 0 57 | 0 51 | 2 8 | 23 2 | 0 20 | 9 49 | 0 21 | 14 14 | 9 3 | 21 37 | 21 42 | 15 29 | 6 12 | 7 5 |
| S 24 | 19 26 | 7 22 | 3 28 | 18 38 | 1 49 | 17 48 | 1 18 | 25 36 | 5 47 | 20 1 | 0 57 | 0 51 | 2 8 | 23 3 | 0 20 | 9 50 | 0 21 | 14 15 | 9 3 | 21 37 | 21 43 | 15 26 | 6 13 | 7 5 |
| M25 | 19 13 | 1 2 | 4 22 | 18 4 | 1 49 | 17 28 | 1 19 | 25 42 | 5 49 | 20 3 | 0 57 | 0 52 | 2 8 | 23 3 | 0 21 | 9 50 | 0 21 | 14 15 | 9 2 | 21 37 | 21 43 | 15 24 | 6 14 | 7 5 |
| T 26 | 18 59 | 5n13 | 4 58 | 17 28 | 1 48 | 17 7 | 1 21 | 25 48 | 5 50 | 20 4 | 0 57 | 0 53 | 2 8 | 23 3 | 0 21 | 9 51 | 0 21 | 14 15 | 9 2 | 21 37 | 21 44 | 15 21 | 6 15 | 7 5 |
| W27 | 18 46 | 11 0 | 5 15 | 16 51 | 1 47 | 16 46 | 1 22 | 25 53 | 5 52 | 20 6 | 0 57 | 0 53 | 2 9 | 23 3 | 0 21 | 9 51 | 0 21 | 14 15 | 9 2 | 21 38 | 21 44 | 15 19 | 6 15 | 7 5 |
| T 28 | 18 32 | 16 5 | 5 14 | 16 13 | 1 45 | 16 24 | 1 23 | 25 59 | 5 54 | 20 8 | 0 57 | 0 54 | 2 9 | 23 4 | 0 21 | 9 52 | 0 21 | 14 16 | 9 2 | 21 38 | 21 45 | 15 16 | 6 16 | 7 5 |
| F 29 | 18 17 | 20 13 | 4 55 | 15 34 | 1 42 | 16 2 | 1 23 | 26 4 | 5 55 | 20 10 | 0 57 | 0 55 | 2 9 | 23 4 | 0 21 | 9 52 | 0 21 | 14 16 | 9 1 | 21 38 | 21 45 | 15 13 | 6 17 | 7 5 |
| S 30 | 18 2 | 23 16 | 4 23 | 14 55 | 1 38 | 15 39 | 1 24 | 26 8 | 5 56 | 20 11 | 0 57 | 0 56 | 2 9 | 23 4 | 0 21 | 9 53 | 0 21 | 14 16 | 9 1 | 21 38 | 21 46 | 15 11 | 6 18 | 7 6 |
| S 31 | 17n47 | 25n 6 | 3n38 | 14n15 | 1n34 | 15n16 | 1n25 | 26s13 | 5s57 | 20n13 | 0s58 | 0s57 | 2s10 | 23s 4 | 0s21 | 9s53 | 0s21 | 14s17 | 9n 1 | 21s37 | 21s46 | 15n 8 | 6s19 | 7n 6 |

Julian Day Number = 2815508.5, Delta T = 54m29s
Ecliptic obliquity = 23°18'40, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°41'24, Lahiri = 37°48'25


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# ASTRODIENST EPHEMERIS for the year 2996
# geocentric

## AUGUST 2996 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 43 0 | 10♌24'44 | 20♊13 | 27♌50 | 23♌46 | 28°R 1 | 5♊58 | 2°R35 | 12°R27 | 5°R 8 | 2°R30 | 21♑24 | 20♑23 | 12♌31 | 25°R16 | M 1 |
| T 2 | 20 46 56 | 11°22'02 | 2♋16 | 29°35 | 25° 0 | 27♑45 | 6° 7 | 2♈33 | 12♑25 | 5♓ 7 | 2♑29 | 21°26 | 20°19 | 12°38 | 25♒13 | T 2 |
| W 3 | 20 50 53 | 12°19'20 | 14°12 | 1♍18 | 26°13 | 27°29 | 6°17 | 2°31 | 12°23 | 5° 5 | 2°28 | 21°27 | 20°16 | 12°44 | 25°10 | W 3 |
| T 4 | 20 54 49 | 13°16'39 | 26° 2 | 2°59 | 27°27 | 27°14 | 6°26 | 2°29 | 12°21 | 5° 4 | 2°26 | 21°R27 | 20°13 | 12°51 | 25° 6 | T 4 |
| F 5 | 20 58 46 | 14°13'58 | 7♌49 | 4°38 | 28°41 | 26°59 | 6°35 | 2°27 | 12°19 | 5° 2 | 2°25 | 21°26 | 20°10 | 12°57 | 25° 3 | F 5 |
| S 6 | 21 2 42 | 15°11'18 | 19°37 | 6°15 | 29°54 | 26°44 | 6°45 | 2°25 | 12°17 | 5° 1 | 2°24 | 21°24 | 20° 7 | 13° 4 | 25° 0 | S 6 |
| S 7 | 21 6 39 | 16° 8'39 | 1♍27 | 7°51 | 1♍ 8 | 26°30 | 6°54 | 2°22 | 12°15 | 4°59 | 2°23 | 21°20 | 20° 3 | 13°11 | 24°57 | S 7 |
| M 8 | 21 10 35 | 17° 5'59 | 13°21 | 9°24 | 2°22 | 26°17 | 7° 3 | 2°20 | 12°13 | 4°58 | 2°22 | 21°16 | 20° 0 | 13°17 | 24°54 | M 8 |
| T 9 | 21 14 32 | 18° 3'20 | 25°21 | 10°56 | 3°35 | 26° 4 | 7°11 | 2°17 | 12°11 | 4°56 | 2°21 | 21°12 | 19°57 | 13°24 | 24°50 | T 9 |
| W10 | 21 18 29 | 19° 0'42 | 7♎30 | 12°26 | 4°49 | 25°52 | 7°20 | 2°15 | 12° 9 | 4°55 | 2°20 | 21° 8 | 19°54 | 13°31 | 24°47 | W10 |
| T 11 | 21 22 25 | 19°58'04 | 19°51 | 13°54 | 6° 3 | 25°41 | 7°28 | 2°12 | 12° 8 | 4°53 | 2°19 | 21° 4 | 19°51 | 13°37 | 24°44 | T 11 |
| F 12 | 21 26 22 | 20°55'26 | 2♏25 | 15°20 | 7°16 | 25°30 | 7°37 | 2° 9 | 12° 6 | 4°51 | 2°18 | 21° 1 | 19°48 | 13°44 | 24°41 | F 12 |
| S 13 | 21 30 18 | 21°52'49 | 15°18 | 16°44 | 8°30 | 25°20 | 7°45 | 2° 7 | 12° 4 | 4°50 | 2°17 | 21° 0 | 19°44 | 13°51 | 24°37 | S 13 |
| S 14 | 21 34 15 | 22°50'13 | 28°30 | 18° 6 | 9°43 | 25°11 | 7°53 | 2° 4 | 12° 3 | 4°48 | 2°17 | 21°D 0 | 19°41 | 13°57 | 24°34 | S 14 |
| M15 | 21 38 11 | 23°47'37 | 12♐ 6 | 19°26 | 10°57 | 25° 3 | 8° 1 | 2° 1 | 12° 1 | 4°47 | 2°16 | 21° 1 | 19°38 | 14° 4 | 24°31 | M15 |
| T 16 | 21 42 8 | 24°45'01 | 26° 6 | 20°44 | 12°11 | 24°55 | 8° 9 | 1°57 | 11°59 | 4°45 | 2°15 | 21° 2 | 19°35 | 14°11 | 24°27 | T 16 |
| W17 | 21 46 4 | 25°42'26 | 10♑30 | 22° 0 | 13°24 | 24°48 | 8°17 | 1°54 | 11°58 | 4°44 | 2°14 | 21° 3 | 19°32 | 14°17 | 24°24 | W17 |
| T 18 | 21 50 1 | 26°39'51 | 25°16 | 23°13 | 14°38 | 24°42 | 8°24 | 1°51 | 11°56 | 4°42 | 2°13 | 21°R 4 | 19°29 | 14°24 | 24°21 | T 18 |
| F 19 | 21 53 58 | 27°37'17 | 10♒19 | 24°25 | 15°51 | 24°37 | 8°32 | 1°48 | 11°55 | 4°40 | 2°13 | 21° 2 | 19°25 | 14°31 | 24°18 | F 19 |
| S 20 | 21 57 54 | 28°34'44 | 25°31 | 25°34 | 17° 5 | 24°33 | 8°39 | 1°44 | 11°53 | 4°39 | 2°12 | 20°59 | 19°22 | 14°37 | 24°14 | S 20 |
| S 21 | 22 1 51 | 29°32'12 | 10♓42 | 26°41 | 18°18 | 24°29 | 8°46 | 1°41 | 11°52 | 4°37 | 2°11 | 20°55 | 19°19 | 14°44 | 24°11 | S 21 |
| M22 | 22 5 47 | 0♍29'40 | 25°42 | 27°45 | 19°32 | 24°26 | 8°53 | 1°37 | 11°51 | 4°35 | 2°11 | 20°49 | 19°16 | 14°51 | 24° 8 | M22 |
| T 23 | 22 9 44 | 1°27'10 | 10♈23 | 28°47 | 20°45 | 24°24 | 9° 0 | 1°34 | 11°49 | 4°34 | 2°10 | 20°43 | 19°13 | 14°57 | 24° 5 | T 23 |
| W24 | 22 13 40 | 2°24'41 | 24°38 | 29°46 | 21°59 | 24°23 | 9° 6 | 1°30 | 11°48 | 4°32 | 2° 9 | 20°38 | 19° 9 | 15° 4 | 24° 1 | W24 |
| T 25 | 22 17 37 | 3°22'13 | 8♉24 | 0♎42 | 23°12 | 24°D23 | 9°13 | 1°27 | 11°47 | 4°31 | 2° 9 | 20°34 | 19° 6 | 15°11 | 23°58 | T 25 |
| F 26 | 22 21 33 | 4°19'47 | 21°41 | 1°35 | 24°26 | 24°24 | 9°19 | 1°23 | 11°46 | 4°29 | 2° 8 | 20°31 | 19° 3 | 15°17 | 23°55 | F 26 |
| S 27 | 22 25 30 | 5°17'22 | 4♊33 | 2°26 | 25°39 | 24°25 | 9°25 | 1°19 | 11°44 | 4°27 | 2° 8 | 20°D30 | 19° 0 | 15°24 | 23°52 | S 27 |
| S 28 | 22 29 27 | 6°14'58 | 17° 2 | 3°13 | 26°53 | 24°27 | 9°31 | 1°15 | 11°43 | 4°26 | 2° 7 | 20°31 | 18°57 | 15°31 | 23°49 | S 28 |
| M29 | 22 33 23 | 7°12'36 | 29°13 | 3°56 | 28° 6 | 24°30 | 9°37 | 1°11 | 11°42 | 4°24 | 2° 7 | 20°32 | 18°54 | 15°37 | 23°45 | M29 |
| T 30 | 22 37 20 | 8°10'15 | 11♋12 | 4°36 | 29°20 | 24°34 | 9°43 | 1° 7 | 11°41 | 4°22 | 2° 7 | 20°33 | 18°50 | 15°44 | 23°42 | T 30 |
| W31 | 22 41 16 | 9♍ 7'56 | 23♋ 3 | 5♎12 | 0♎33 | 24♑39 | 9♊49 | 1♈ 3 | 11♑40 | 4♓21 | 2♑ 6 | 20°R34 | 18♑47 | 15♌51 | 23♒39 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n32 | 25n41 | 2n44 | 13n34 | 1n30 | 14n53 | 1n26 | 26s17 | 5s58 | 20n14 | 0s58 | 0s58 | 2s10 | 23s 4 | 0s21 | 9s54 | 0s21 | 14s17 | 9n 0 | 21s37 | 21s46 | 15n 6 | 6s20 | 7n 6 |
| T 2 | 17 17 | 25 1 | 1 44 | 12 53 | 1 25 | 14 29 | 1 27 | 26 21 | 5 59 | 20 16 | 0 58 | 0 59 | 2 10 | 23 5 | 0 21 | 9 55 | 0 21 | 14 17 | 9 0 | 21 37 | 21 47 | 15 3 | 6 21 | 7 6 |
| W 3 | 17 1 | 23 13 | 0 40 | 12 12 | 1 19 | 14 5 | 1 27 | 26 25 | 5 59 | 20 18 | 0 58 | 1 0 | 2 10 | 23 5 | 0 21 | 9 55 | 0 21 | 14 18 | 9 0 | 21 37 | 21 47 | 15 0 | 6 22 | 7 6 |
| T 4 | 16 45 | 20 25 | 0s25 | 11 30 | 1 14 | 13 40 | 1 28 | 26 29 | 6 0 | 20 19 | 0 58 | 1 1 | 2 11 | 23 5 | 0 21 | 9 56 | 0 21 | 14 18 | 9 0 | 21 37 | 21 48 | 14 58 | 6 23 | 7 6 |
| F 5 | 16 28 | 16 47 | 1 29 | 10 48 | 1 7 | 13 15 | 1 28 | 26 32 | 6 0 | 20 20 | 0 58 | 1 2 | 2 11 | 23 5 | 0 21 | 9 56 | 0 21 | 14 18 | 8 59 | 21 37 | 21 48 | 14 55 | 6 24 | 7 6 |
| S 6 | 16 12 | 12 30 | 2 29 | 10 6 | 1 0 | 12 50 | 1 29 | 26 35 | 6 0 | 20 22 | 0 58 | 1 3 | 2 11 | 23 5 | 0 21 | 9 57 | 0 21 | 14 19 | 8 59 | 21 37 | 21 49 | 14 52 | 6 25 | 7 6 |
| S 7 | 15 55 | 7 45 | 3 23 | 9 24 | 0 53 | 12 24 | 1 29 | 26 37 | 6 0 | 20 23 | 0 58 | 1 4 | 2 11 | 23 5 | 0 21 | 9 57 | 0 21 | 14 19 | 8 59 | 21 38 | 21 49 | 14 50 | 6 26 | 7 6 |
| M 8 | 15 38 | 2 42 | 4 8 | 8 42 | 0 46 | 11 58 | 1 29 | 26 40 | 5 59 | 20 25 | 0 58 | 1 5 | 2 11 | 23 6 | 0 21 | 9 58 | 0 21 | 14 19 | 8 58 | 21 38 | 21 50 | 14 47 | 6 27 | 7 6 |
| T 9 | 15 20 | 2s29 | 4 42 | 8 0 | 0 38 | 11 32 | 1 29 | 26 42 | 5 59 | 20 26 | 0 58 | 1 7 | 2 12 | 23 6 | 0 21 | 9 58 | 0 21 | 14 19 | 8 58 | 21 39 | 21 50 | 14 44 | 6 28 | 7 6 |
| W10 | 15 3 | 7 38 | 5 4 | 7 19 | 0 29 | 11 5 | 1 30 | 26 44 | 5 59 | 20 27 | 0 58 | 1 8 | 2 12 | 23 6 | 0 21 | 9 59 | 0 21 | 14 20 | 8 58 | 21 40 | 21 51 | 14 42 | 6 29 | 7 6 |
| T 11 | 14 45 | 12 33 | 5 13 | 6 37 | 0 21 | 10 38 | 1 30 | 26 45 | 5 58 | 20 29 | 0 59 | 1 9 | 2 12 | 23 6 | 0 21 | 10 0 | 0 21 | 14 20 | 8 57 | 21 40 | 21 51 | 14 39 | 6 30 | 7 6 |
| F 12 | 14 27 | 17 3 | 5 7 | 5 56 | 0 12 | 10 11 | 1 30 | 26 46 | 5 57 | 20 30 | 0 59 | 1 10 | 2 12 | 23 6 | 0 20 | 10 0 | 0 21 | 14 20 | 8 57 | 21 41 | 21 52 | 14 36 | 6 31 | 7 6 |
| S 13 | 14 8 | 20 53 | 4 46 | 5 15 | 0 3 | 9 43 | 1 30 | 26 47 | 5 56 | 20 31 | 0 59 | 1 12 | 2 12 | 23 6 | 0 20 | 10 1 | 0 21 | 14 21 | 8 57 | 21 41 | 21 52 | 14 34 | 6 32 | 7 6 |
| S 14 | 13 50 | 23 46 | 4 9 | 4 35 | 0s 7 | 9 16 | 1 29 | 26 48 | 5 55 | 20 32 | 0 59 | 1 13 | 2 13 | 23 7 | 0 20 | 10 1 | 0 21 | 14 21 | 8 56 | 21 41 | 21 53 | 14 31 | 6 33 | 7 6 |
| M15 | 13 31 | 25 23 | 3 17 | 3 55 | 0 16 | 8 48 | 1 29 | 26 48 | 5 54 | 20 33 | 0 59 | 1 14 | 2 13 | 23 7 | 0 20 | 10 2 | 0 21 | 14 22 | 8 56 | 21 41 | 21 53 | 14 28 | 6 34 | 7 6 |
| T 16 | 13 12 | 25 27 | 2 12 | 3 15 | 0 26 | 8 20 | 1 29 | 26 48 | 5 52 | 20 35 | 0 59 | 1 16 | 2 13 | 23 7 | 0 20 | 10 3 | 0 21 | 14 22 | 8 56 | 21 41 | 21 53 | 14 26 | 6 36 | 7 6 |
| W17 | 12 53 | 23 51 | 0 57 | 2 36 | 0 36 | 7 51 | 1 29 | 26 48 | 5 51 | 20 36 | 0 59 | 1 17 | 2 13 | 23 7 | 0 20 | 10 3 | 0 21 | 14 22 | 8 55 | 21 40 | 21 54 | 14 23 | 6 37 | 7 6 |
| T 18 | 12 34 | 20 35 | 0n23 | 1 58 | 0 46 | 7 23 | 1 28 | 26 48 | 5 49 | 20 37 | 0 59 | 1 19 | 2 13 | 23 7 | 0 20 | 10 4 | 0 21 | 14 23 | 8 55 | 21 40 | 21 54 | 14 20 | 6 38 | 7 6 |
| F 19 | 12 14 | 15 54 | 1 43 | 1 20 | 0 57 | 6 54 | 1 28 | 26 47 | 5 48 | 20 38 | 0 59 | 1 20 | 2 14 | 23 7 | 0 20 | 10 4 | 0 21 | 14 23 | 8 55 | 21 41 | 21 55 | 14 18 | 6 39 | 7 6 |
| S 20 | 11 54 | 10 10 | 2 57 | 0 43 | 1 7 | 6 25 | 1 27 | 26 46 | 5 46 | 20 39 | 0 59 | 1 22 | 2 14 | 23 7 | 0 20 | 10 5 | 0 21 | 14 23 | 8 54 | 21 41 | 21 55 | 14 15 | 6 40 | 7 6 |
| S 21 | 11 34 | 3 51 | 3 57 | 0 7 | 1 18 | 5 56 | 1 27 | 26 45 | 5 44 | 20 40 | 1 0 | 1 23 | 2 14 | 23 7 | 0 20 | 10 6 | 0 21 | 14 24 | 8 54 | 21 42 | 21 56 | 14 12 | 6 41 | 7 5 |
| M22 | 11 14 | 2n36 | 4 41 | 0s28 | 1 29 | 5 26 | 1 26 | 26 44 | 5 42 | 20 41 | 1 0 | 1 25 | 2 14 | 23 8 | 0 20 | 10 6 | 0 21 | 14 24 | 8 54 | 21 42 | 21 56 | 14 10 | 6 42 | 7 5 |
| T 23 | 10 54 | 8 46 | 5 5 | 1 2 | 1 40 | 4 57 | 1 25 | 26 42 | 5 40 | 20 42 | 1 0 | 1 26 | 2 14 | 23 8 | 0 20 | 10 7 | 0 21 | 14 24 | 8 53 | 21 43 | 21 57 | 14 7 | 6 43 | 7 5 |
| W24 | 10 34 | 14 17 | 5 9 | 1 36 | 1 50 | 4 27 | 1 24 | 26 40 | 5 38 | 20 43 | 1 0 | 1 28 | 2 15 | 23 8 | 0 20 | 10 7 | 0 21 | 14 25 | 8 53 | 21 44 | 21 57 | 14 4 | 6 45 | 7 5 |
| T 25 | 10 13 | 18 53 | 4 55 | 2 8 | 2 1 | 3 58 | 1 23 | 26 38 | 5 36 | 20 43 | 1 0 | 1 29 | 2 15 | 23 8 | 0 20 | 10 8 | 0 21 | 14 25 | 8 53 | 21 45 | 21 57 | 14 2 | 6 46 | 7 5 |
| F 26 | 9 52 | 22 22 | 4 26 | 2 39 | 2 12 | 3 28 | 1 22 | 26 36 | 5 34 | 20 44 | 1 0 | 1 31 | 2 15 | 23 8 | 0 20 | 10 9 | 0 21 | 14 25 | 8 52 | 21 45 | 21 58 | 13 59 | 6 47 | 7 5 |
| S 27 | 9 31 | 24 36 | 3 43 | 3 9 | 2 23 | 2 58 | 1 21 | 26 33 | 5 32 | 20 45 | 1 0 | 1 33 | 2 15 | 23 8 | 0 20 | 10 9 | 0 21 | 14 26 | 8 52 | 21 45 | 21 58 | 13 56 | 6 48 | 7 5 |
| S 28 | 9 10 | 25 32 | 2 52 | 3 38 | 2 34 | 2 28 | 1 20 | 26 31 | 5 29 | 20 46 | 1 0 | 1 34 | 2 15 | 23 8 | 0 20 | 10 10 | 0 21 | 14 26 | 8 52 | 21 45 | 21 59 | 13 54 | 6 49 | 7 4 |
| M29 | 8 49 | 25 12 | 1 53 | 4 5 | 2 45 | 1 58 | 1 19 | 26 28 | 5 27 | 20 47 | 1 0 | 1 36 | 2 15 | 23 8 | 0 20 | 10 10 | 0 21 | 14 27 | 8 51 | 21 45 | 21 59 | 13 51 | 6 50 | 7 4 |
| T 30 | 8 28 | 23 41 | 0 50 | 4 30 | 2 56 | 1 27 | 1 18 | 26 25 | 5 24 | 20 47 | 1 1 | 1 38 | 2 16 | 23 8 | 0 20 | 10 11 | 0 21 | 14 27 | 8 51 | 21 45 | 22 0 | 13 48 | 6 52 | 7 4 |
| W31 | 8n 6 | 21n 8 | 0s13 | 4s54 | 3s 6 | 0n57 | 1n17 | 26s21 | 5s22 | 20n48 | 1s 1 | 1s40 | 2s16 | 23s 8 | 0s20 | 10s12 | 0s21 | 14s27 | 8n50 | 21s45 | 22s 0 | 13n46 | 6s53 | 7n 4 |

Julian Day Number = 2815539.5, Delta T = 54m30s
Ecliptic obliquity = 23°18'40, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°41'29, Lahiri = 37°48'29


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# ASTRODIENST EPHEMERIS for the year 2996
# geocentric

## SEPTEMBER 2996 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 45 13 | 10♍ 5'37 | 4♌50 | 5♎44 | 1♎47 | 24♑45 | 9♊54 | 0°R59 | 11°R39 | 4°R19 | 2°R 6 | 20°R33 | 18♑44 | 15♌57 | 23°R36 | T 1 |
| F 2 | 22 49 9 | 11° 3'21 | 16°37 | 6°12 | 3° 0 | 24°51 | 9°59 | 0♈55 | 11♑39 | 4♓17 | 2♑ 5 | 20♑29 | 18°41 | 16° 4 | 23♒33 | F 2 |
| S 3 | 22 53 6 | 12° 1'05 | 28°27 | 6°35 | 4°14 | 24°58 | 10° 4 | 0°51 | 11°38 | 4°16 | 2° 5 | 20°24 | 18°38 | 16°11 | 23°30 | S 3 |
| S 4 | 22 57 2 | 12°58'51 | 10♍23 | 6°54 | 5°27 | 25° 6 | 10° 9 | 0°47 | 11°37 | 4°14 | 2° 5 | 20°16 | 18°34 | 16°17 | 23°27 | S 4 |
| M 5 | 23 0 59 | 13°56'38 | 22°26 | 7° 8 | 6°40 | 25°15 | 10°14 | 0°42 | 11°36 | 4°13 | 2° 5 | 20° 7 | 18°31 | 16°24 | 23°24 | M 5 |
| T 6 | 23 4 56 | 14°54'27 | 4♎37 | 7°16 | 7°54 | 25°24 | 10°18 | 0°38 | 11°36 | 4°11 | 2° 4 | 19°56 | 18°28 | 16°31 | 23°21 | T 6 |
| W 7 | 23 8 52 | 15°52'17 | 16°57 | 7°R19 | 9° 7 | 25°35 | 10°22 | 0°34 | 11°35 | 4° 9 | 2° 4 | 19°46 | 18°25 | 16°37 | 23°18 | W 7 |
| T 8 | 23 12 49 | 16°50'08 | 29°29 | 7°17 | 10°20 | 25°46 | 10°27 | 0°29 | 11°34 | 4° 8 | 2° 4 | 19°37 | 18°22 | 16°44 | 23°15 | T 8 |
| F 9 | 23 16 45 | 17°48'00 | 12♏12 | 7° 8 | 11°34 | 25°57 | 10°30 | 0°25 | 11°34 | 4° 6 | 2° 4 | 19°30 | 18°19 | 16°51 | 23°12 | F 9 |
| S 10 | 23 20 42 | 18°45'53 | 25° 9 | 6°54 | 12°47 | 26°10 | 10°34 | 0°20 | 11°33 | 4° 5 | 2° 4 | 19°25 | 18°15 | 16°57 | 23°10 | S 10 |
| S 11 | 23 24 38 | 19°43'48 | 8♐21 | 6°34 | 14° 0 | 26°23 | 10°38 | 0°16 | 11°33 | 4° 3 | 2°D 4 | 19°23 | 18°12 | 17° 4 | 23° 7 | S 11 |
| M12 | 23 28 35 | 20°41'44 | 21°52 | 6° 7 | 15°14 | 26°37 | 10°41 | 0°12 | 11°33 | 4° 2 | 2° 4 | 19°D22 | 18° 9 | 17°11 | 23° 4 | M12 |
| T 13 | 23 32 31 | 21°39'41 | 5♑41 | 5°35 | 16°27 | 26°52 | 10°44 | 0° 7 | 11°32 | 4° 0 | 2° 4 | 19°23 | 18° 6 | 17°17 | 23° 1 | T 13 |
| W14 | 23 36 28 | 22°37'40 | 19°51 | 4°57 | 17°40 | 27° 7 | 10°47 | 0° 3 | 11°32 | 3°58 | 2° 4 | 19°R23 | 18° 3 | 17°24 | 22°59 | W14 |
| T 15 | 23 40 25 | 23°35'39 | 4♒21 | 4°14 | 18°54 | 27°23 | 10°50 | 29♓58 | 11°32 | 3°57 | 2° 4 | 19°22 | 18° 0 | 17°31 | 22°56 | T 15 |
| F 16 | 23 44 21 | 24°33'40 | 19° 7 | 3°27 | 20° 7 | 27°40 | 10°53 | 29°54 | 11°32 | 3°55 | 2° 4 | 19°19 | 17°56 | 17°37 | 22°53 | F 16 |
| S 17 | 23 48 18 | 25°31'42 | 4♓ 4 | 2°35 | 21°20 | 27°57 | 10°55 | 29°49 | 11°31 | 3°54 | 2° 4 | 19°14 | 17°53 | 17°44 | 22°51 | S 17 |
| S 18 | 23 52 14 | 26°29'46 | 19° 4 | 1°40 | 22°33 | 28°15 | 10°58 | 29°44 | 11°31 | 3°52 | 2° 5 | 19° 6 | 17°50 | 17°51 | 22°48 | S 18 |
| M19 | 23 56 11 | 27°27'51 | 3♈58 | 0°42 | 23°46 | 28°34 | 11° 0 | 29°40 | 11°D31 | 3°51 | 2° 5 | 18°56 | 17°47 | 17°57 | 22°46 | M19 |
| T 20 | 0 0 7 | 28°25'58 | 18°37 | 29♍44 | 25° 0 | 28°53 | 11° 2 | 29°35 | 11°31 | 3°50 | 2° 5 | 18°46 | 17°44 | 18° 4 | 22°43 | T 20 |
| W21 | 0 4 4 | 29°24'06 | 2♉54 | 28°46 | 26°13 | 29°13 | 11° 3 | 29°31 | 11°31 | 3°48 | 2° 5 | 18°36 | 17°40 | 18°10 | 22°41 | W21 |
| T 22 | 0 8 0 | 0♎22'17 | 16°44 | 27°49 | 27°26 | 29°33 | 11° 5 | 29°26 | 11°31 | 3°47 | 2° 6 | 18°28 | 17°37 | 18°17 | 22°39 | T 22 |
| F 23 | 0 11 57 | 1°20'29 | 0♊ 5 | 26°55 | 28°39 | 29°54 | 11° 6 | 29°22 | 11°32 | 3°45 | 2° 6 | 18°22 | 17°34 | 18°24 | 22°36 | F 23 |
| S 24 | 0 15 53 | 2°18'44 | 13° 0 | 26° 5 | 29°52 | 0♒15 | 11° 7 | 29°17 | 11°32 | 3°44 | 2° 7 | 18°18 | 17°31 | 18°30 | 22°34 | S 24 |
| S 25 | 0 19 50 | 3°17'00 | 25°31 | 25°20 | 1♏ 5 | 0°37 | 11° 8 | 29°12 | 11°32 | 3°43 | 2° 7 | 18°17 | 17°28 | 18°37 | 22°32 | S 25 |
| M26 | 0 23 47 | 4°15'18 | 7♋43 | 24°41 | 2°18 | 1° 0 | 11° 9 | 29° 8 | 11°33 | 3°41 | 2° 7 | 18°D16 | 17°25 | 18°44 | 22°30 | M26 |
| T 27 | 0 27 43 | 5°13'39 | 19°41 | 24°10 | 3°31 | 1°23 | 11° 9 | 29° 3 | 11°33 | 3°40 | 2° 8 | 18°R16 | 17°21 | 18°50 | 22°28 | T 27 |
| W28 | 0 31 40 | 6°12'01 | 1♌31 | 23°47 | 4°44 | 1°46 | 11°10 | 28°59 | 11°33 | 3°39 | 2° 8 | 18°16 | 17°18 | 18°57 | 22°26 | W28 |
| T 29 | 0 35 36 | 7°10'26 | 13°19 | 23°33 | 5°57 | 2°10 | 11°R10 | 28°54 | 11°34 | 3°37 | 2° 9 | 18°13 | 17°15 | 19° 4 | 22°24 | T 29 |
| F 30 | 0 39 33 | 8♎ 8'52 | 25♌ 8 | 23°D28 | 7♏10 | 2♒35 | 11♊10 | 28♓50 | 11♑34 | 3♓36 | 2♑10 | 18♑ 9 | 17♑12 | 19♌10 | 22♒22 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n45 | 17n43 | 1s16 | 5s16 | 3s16 | 0n27 | 1n15 | 26s18 | 5s19 | 20n49 | 1s 1 | 1s41 | 2s16 | 23s 8 | 0s20 | 10s12 | 0s21 | 14s28 | 8n50 | 21s45 | 22s 1 | 13n43 | 6s54 | 7n 4 |
| F 2 | 7 23 | 13 37 | 2 16 | 5 37 | 3 26 | 0s 3 | 1 14 | 26 14 | 5 17 | 20 49 | 1 1 | 1 43 | 2 16 | 23 9 | 0 20 | 10 13 | 0 21 | 14 28 | 8 50 | 21 45 | 22 1 | 13 40 | 6 55 | 7 3 |
| S 3 | 7 1 | 8 59 | 3 9 | 5 55 | 3 36 | 0 34 | 1 12 | 26 10 | 5 14 | 20 50 | 1 1 | 1 45 | 2 16 | 23 9 | 0 20 | 10 13 | 0 21 | 14 28 | 8 49 | 21 46 | 22 1 | 13 37 | 6 56 | 7 3 |
| S 4 | 6 39 | 4 0 | 3 55 | 6 10 | 3 45 | 1 4 | 1 11 | 26 6 | 5 11 | 20 51 | 1 1 | 1 47 | 2 16 | 23 9 | 0 20 | 10 14 | 0 21 | 14 29 | 8 49 | 21 47 | 22 2 | 13 35 | 6 58 | 7 3 |
| M 5 | 6 17 | 1s10 | 4 31 | 6 24 | 3 54 | 1 35 | 1 9 | 26 2 | 5 9 | 20 51 | 1 1 | 1 48 | 2 16 | 23 9 | 0 20 | 10 15 | 0 21 | 14 29 | 8 49 | 21 49 | 22 2 | 13 32 | 6 59 | 7 3 |
| T 6 | 5 55 | 6 20 | 4 54 | 6 34 | 4 2 | 2 5 | 1 8 | 25 57 | 5 6 | 20 52 | 1 1 | 1 50 | 2 16 | 23 9 | 0 20 | 10 15 | 0 21 | 14 30 | 8 48 | 21 50 | 22 3 | 13 29 | 7 0 | 7 3 |
| W 7 | 5 33 | 11 19 | 5 5 | 6 42 | 4 9 | 2 35 | 1 6 | 25 52 | 5 3 | 20 52 | 1 2 | 1 52 | 2 17 | 23 9 | 0 20 | 10 16 | 0 21 | 14 30 | 8 48 | 21 52 | 22 3 | 13 27 | 7 1 | 7 2 |
| T 8 | 5 10 | 15 55 | 5 1 | 6 47 | 4 16 | 3 6 | 1 4 | 25 48 | 5 0 | 20 53 | 1 2 | 1 54 | 2 17 | 23 9 | 0 20 | 10 16 | 0 21 | 14 30 | 8 47 | 21 53 | 22 4 | 13 24 | 7 2 | 7 2 |
| F 9 | 4 48 | 19 53 | 4 42 | 6 49 | 4 21 | 3 36 | 1 2 | 25 43 | 4 57 | 20 53 | 1 2 | 1 56 | 2 17 | 23 9 | 0 20 | 10 17 | 0 21 | 14 31 | 8 47 | 21 54 | 22 4 | 13 21 | 7 3 | 7 2 |
| S 10 | 4 25 | 22 58 | 4 8 | 6 48 | 4 26 | 4 6 | 1 0 | 25 37 | 4 55 | 20 53 | 1 2 | 1 58 | 2 17 | 23 9 | 0 20 | 10 17 | 0 21 | 14 31 | 8 47 | 21 55 | 22 4 | 13 19 | 7 5 | 7 1 |
| S 11 | 4 3 | 24 53 | 3 21 | 6 43 | 4 29 | 4 36 | 0 58 | 25 32 | 4 52 | 20 54 | 1 2 | 1 59 | 2 17 | 23 9 | 0 20 | 10 18 | 0 21 | 14 31 | 8 46 | 21 55 | 22 5 | 13 16 | 7 6 | 7 1 |
| M12 | 3 40 | 25 25 | 2 22 | 6 34 | 4 31 | 5 6 | 0 56 | 25 26 | 4 49 | 20 54 | 1 2 | 2 1 | 2 17 | 23 9 | 0 20 | 10 19 | 0 21 | 14 32 | 8 46 | 21 55 | 22 5 | 13 13 | 7 7 | 7 1 |
| T 13 | 3 17 | 24 24 | 1 13 | 6 22 | 4 32 | 5 36 | 0 54 | 25 21 | 4 46 | 20 54 | 1 2 | 2 3 | 2 17 | 23 9 | 0 20 | 10 19 | 0 21 | 14 32 | 8 45 | 21 55 | 22 6 | 13 10 | 7 8 | 7 1 |
| W14 | 2 55 | 21 49 | 0n 3 | 6 7 | 4 31 | 6 6 | 0 52 | 25 15 | 4 43 | 20 55 | 1 2 | 2 5 | 2 17 | 23 9 | 0 20 | 10 20 | 0 21 | 14 33 | 8 45 | 21 55 | 22 6 | 13 8 | 7 9 | 7 0 |
| T 15 | 2 32 | 17 47 | 1 19 | 5 47 | 4 28 | 6 36 | 0 50 | 25 9 | 4 40 | 20 55 | 1 3 | 2 7 | 2 17 | 23 9 | 0 20 | 10 20 | 0 21 | 14 33 | 8 45 | 21 55 | 22 7 | 13 5 | 7 10 | 7 0 |
| F 16 | 2 9 | 12 37 | 2 31 | 5 24 | 4 24 | 7 5 | 0 48 | 25 3 | 4 37 | 20 55 | 1 3 | 2 9 | 2 17 | 23 9 | 0 20 | 10 21 | 0 21 | 14 33 | 8 44 | 21 56 | 22 7 | 13 2 | 7 11 | 7 0 |
| S 17 | 1 46 | 6 38 | 3 34 | 4 58 | 4 18 | 7 35 | 0 45 | 24 56 | 4 34 | 20 56 | 1 3 | 2 11 | 2 17 | 23 9 | 0 20 | 10 21 | 0 21 | 14 34 | 8 44 | 21 56 | 22 7 | 12 59 | 7 12 | 6 59 |
| S 18 | 1 23 | 0 16 | 4 22 | 4 28 | 4 9 | 8 4 | 0 43 | 24 50 | 4 31 | 20 56 | 1 3 | 2 12 | 2 18 | 23 9 | 0 20 | 10 22 | 0 21 | 14 34 | 8 44 | 21 58 | 22 8 | 12 57 | 7 14 | 6 59 |
| M19 | 1 0 | 6n 3 | 4 52 | 3 57 | 3 59 | 8 33 | 0 41 | 24 43 | 4 28 | 20 56 | 1 3 | 2 14 | 2 18 | 23 9 | 0 20 | 10 22 | 0 21 | 14 35 | 8 43 | 21 59 | 22 8 | 12 54 | 7 15 | 6 59 |
| T 20 | 0 37 | 11 55 | 5 2 | 3 22 | 3 47 | 9 2 | 0 38 | 24 36 | 4 26 | 20 56 | 1 3 | 2 16 | 2 18 | 23 9 | 0 20 | 10 23 | 0 21 | 14 35 | 8 43 | 22 0 | 22 9 | 12 51 | 7 16 | 6 58 |
| W21 | 0 14 | 17 0 | 4 53 | 2 47 | 3 34 | 9 31 | 0 36 | 24 29 | 4 23 | 20 56 | 1 3 | 2 18 | 2 18 | 23 9 | 0 20 | 10 23 | 0 21 | 14 35 | 8 42 | 22 2 | 22 9 | 12 48 | 7 17 | 6 58 |
| T 22 | 0s 9 | 21 1 | 4 27 | 2 10 | 3 18 | 9 59 | 0 33 | 24 22 | 4 20 | 20 56 | 1 3 | 2 20 | 2 18 | 23 9 | 0 20 | 10 24 | 0 21 | 14 36 | 8 42 | 22 3 | 22 9 | 12 46 | 7 18 | 6 58 |
| F 23 | 0 32 | 23 45 | 3 47 | 1 33 | 3 2 | 10 28 | 0 30 | 24 15 | 4 17 | 20 56 | 1 4 | 2 22 | 2 18 | 23 9 | 0 20 | 10 25 | 0 21 | 14 36 | 8 42 | 22 4 | 22 10 | 12 43 | 7 19 | 6 57 |
| S 24 | 0 55 | 25 9 | 2 56 | 0 57 | 2 44 | 10 56 | 0 28 | 24 7 | 4 14 | 20 56 | 1 4 | 2 24 | 2 18 | 23 9 | 0 20 | 10 25 | 0 21 | 14 36 | 8 41 | 22 4 | 22 10 | 12 40 | 7 20 | 6 57 |
| S 25 | 1 18 | 25 12 | 1 58 | 0 22 | 2 25 | 11 24 | 0 25 | 24 0 | 4 11 | 20 56 | 1 4 | 2 25 | 2 18 | 23 9 | 0 20 | 10 26 | 0 21 | 14 37 | 8 41 | 22 4 | 22 11 | 12 38 | 7 21 | 6 56 |
| M26 | 1 41 | 24 1 | 0 56 | 0n11 | 2 5 | 11 51 | 0 23 | 23 52 | 4 8 | 20 56 | 1 4 | 2 27 | 2 18 | 23 9 | 0 20 | 10 26 | 0 21 | 14 37 | 8 41 | 22 4 | 22 11 | 12 35 | 7 22 | 6 56 |
| T 27 | 2 4 | 21 45 | 0s 7 | 0 41 | 1 46 | 12 19 | 0 20 | 23 44 | 4 5 | 20 56 | 1 4 | 2 29 | 2 18 | 23 9 | 0 20 | 10 27 | 0 21 | 14 38 | 8 40 | 22 4 | 22 11 | 12 32 | 7 23 | 6 56 |
| W28 | 2 27 | 18 35 | 1 10 | 1 8 | 1 26 | 12 46 | 0 17 | 23 36 | 4 2 | 20 56 | 1 4 | 2 31 | 2 18 | 23 9 | 0 20 | 10 27 | 0 21 | 14 38 | 8 40 | 22 4 | 22 12 | 12 29 | 7 24 | 6 55 |
| T 29 | 2 50 | 14 41 | 2 9 | 1 32 | 1 6 | 13 13 | 0 14 | 23 27 | 3 59 | 20 56 | 1 4 | 2 33 | 2 18 | 23 9 | 0 20 | 10 27 | 0 21 | 14 38 | 8 39 | 22 5 | 22 12 | 12 27 | 7 25 | 6 55 |
| F 30 | 3s13 | 10n13 | 3s 2 | 1n52 | 0s47 | 13s39 | 0n11 | 23s19 | 3s56 | 20n56 | 1s 4 | 2s34 | 2s18 | 23s 9 | 0s20 | 10s28 | 0s21 | 14s39 | 8n39 | 22s 5 | 22s13 | 12n24 | 7s26 | 6n54 |

Julian Day Number = 2815570.5, Delta T = 54m30s
Ecliptic obliquity = 23°18'40, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°41'33, Lahiri = 37°48'34


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# ASTRODIENST EPHEMERIS for the year 2996
# geocentric

## OCTOBER 2996 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 43 29 | 9♎ 7'21 | 7♍ 3 | 23♍32 | 8♏23 | 3♒ 0 | 11°R 9 | 28°R45 | 11♑35 | 3°R35 | 2♑10 | 18°R 1 | 17♑ 9 | 19♌17 | 22°R20 | S 1 |
| S 2 | 0 47 26 | 10° 5'51 | 19° 6 | 23°46 | 9°36 | 3°25 | 11♊ 9 | 28♓41 | 11°36 | 3♓33 | 2°11 | 17♑50 | 17° 6 | 19°24 | 22♒18 | S 2 |
| M 3 | 0 51 22 | 11° 4'23 | 1♎19 | 24° 9 | 10°49 | 3°51 | 11° 8 | 28°36 | 11°36 | 3°32 | 2°11 | 17°38 | 17° 2 | 19°30 | 22°16 | M 3 |
| T 4 | 0 55 19 | 12° 2'57 | 13°45 | 24°42 | 12° 2 | 4°18 | 11° 7 | 28°32 | 11°37 | 3°31 | 2°12 | 17°24 | 16°59 | 19°37 | 22°15 | T 4 |
| W 5 | 0 59 16 | 13° 1'33 | 26°22 | 25°23 | 13°15 | 4°45 | 11° 6 | 28°28 | 11°38 | 3°30 | 2°13 | 17°11 | 16°56 | 19°44 | 22°13 | W 5 |
| T 6 | 1 3 12 | 14° 0'11 | 9♏11 | 26°12 | 14°28 | 5°12 | 11° 5 | 28°23 | 11°39 | 3°29 | 2°14 | 16°59 | 16°53 | 19°50 | 22°11 | T 6 |
| F 7 | 1 7 9 | 14°58'51 | 22°11 | 27°10 | 15°41 | 5°40 | 11° 3 | 28°19 | 11°40 | 3°28 | 2°14 | 16°49 | 16°50 | 19°57 | 22°10 | F 7 |
| S 8 | 1 11 5 | 15°57'33 | 5♐22 | 28°15 | 16°54 | 6° 8 | 11° 1 | 28°15 | 11°40 | 3°26 | 2°15 | 16°42 | 16°46 | 20° 4 | 22° 9 | S 8 |
| S 9 | 1 15 2 | 16°56'16 | 18°45 | 29°26 | 18° 6 | 6°36 | 11° 0 | 28°10 | 11°41 | 3°25 | 2°16 | 16°37 | 16°43 | 20°10 | 22° 7 | S 9 |
| M10 | 1 18 58 | 17°55'01 | 2♑20 | 0♎43 | 19°19 | 7° 5 | 10°57 | 28° 6 | 11°43 | 3°24 | 2°17 | 16°36 | 16°40 | 20°17 | 22° 6 | M10 |
| T 11 | 1 22 55 | 18°53'47 | 16° 7 | 2° 6 | 20°32 | 7°35 | 10°55 | 28° 2 | 11°44 | 3°23 | 2°18 | 16°35 | 16°37 | 20°24 | 22° 5 | T 11 |
| W12 | 1 26 51 | 19°52'35 | 0♒ 8 | 3°33 | 21°45 | 8° 4 | 10°53 | 27°58 | 11°45 | 3°22 | 2°19 | 16°35 | 16°34 | 20°30 | 22° 3 | W12 |
| T 13 | 1 30 48 | 20°51'25 | 14°21 | 5° 4 | 22°57 | 8°34 | 10°50 | 27°54 | 11°46 | 3°21 | 2°20 | 16°34 | 16°31 | 20°37 | 22° 2 | T 13 |
| F 14 | 1 34 45 | 21°50'16 | 28°47 | 6°39 | 24°10 | 9° 5 | 10°47 | 27°50 | 11°47 | 3°20 | 2°21 | 16°30 | 16°27 | 20°44 | 22° 1 | F 14 |
| S 15 | 1 38 41 | 22°49'09 | 13♓21 | 8°17 | 25°23 | 9°36 | 10°44 | 27°46 | 11°49 | 3°19 | 2°22 | 16°24 | 16°24 | 20°51 | 22° 0 | S 15 |
| S 16 | 1 42 38 | 23°48'04 | 27°58 | 9°57 | 26°35 | 10° 7 | 10°41 | 27°42 | 11°50 | 3°18 | 2°23 | 16°15 | 16°21 | 20°57 | 21°59 | S 16 |
| M17 | 1 46 34 | 24°47'00 | 12♈32 | 11°39 | 27°48 | 10°38 | 10°37 | 27°38 | 11°51 | 3°18 | 2°24 | 16° 4 | 16°18 | 21° 4 | 21°58 | M17 |
| T 18 | 1 50 31 | 25°45'59 | 26°55 | 13°22 | 29° 1 | 11°10 | 10°33 | 27°35 | 11°53 | 3°17 | 2°25 | 15°53 | 16°15 | 21°11 | 21°57 | T 18 |
| W19 | 1 54 27 | 26°44'59 | 11♉ 1 | 15° 6 | 0♗13 | 11°42 | 10°30 | 27°31 | 11°54 | 3°16 | 2°27 | 15°41 | 16°11 | 21°17 | 21°57 | W19 |
| T 20 | 1 58 24 | 27°44'02 | 24°44 | 16°52 | 1°26 | 12°14 | 10°25 | 27°27 | 11°56 | 3°15 | 2°28 | 15°32 | 16° 8 | 21°24 | 21°56 | T 20 |
| F 21 | 2 2 20 | 28°43'07 | 8♊ 3 | 18°38 | 2°38 | 12°47 | 10°21 | 27°24 | 11°57 | 3°14 | 2°29 | 15°24 | 16° 5 | 21°31 | 21°55 | F 21 |
| S 22 | 2 6 17 | 29°42'14 | 20°58 | 20°24 | 3°51 | 13°20 | 10°17 | 27°20 | 11°59 | 3°14 | 2°30 | 15°19 | 16° 2 | 21°37 | 21°55 | S 22 |
| S 23 | 2 10 14 | 0♏41'23 | 3♋30 | 22°10 | 5° 3 | 13°53 | 10°12 | 27°17 | 12° 1 | 3°13 | 2°32 | 15°17 | 15°59 | 21°44 | 21°54 | S 23 |
| M24 | 2 14 10 | 1°40'34 | 15°43 | 23°56 | 6°16 | 14°26 | 10° 8 | 27°13 | 12° 2 | 3°12 | 2°33 | 15°D17 | 15°56 | 21°51 | 21°54 | M24 |
| T 25 | 2 18 7 | 2°39'48 | 27°43 | 25°42 | 7°28 | 15° 0 | 10° 3 | 27°10 | 12° 4 | 3°12 | 2°34 | 15°R17 | 15°52 | 21°57 | 21°54 | T 25 |
| W26 | 2 22 3 | 3°39'04 | 9♌35 | 27°28 | 8°41 | 15°34 | 9°57 | 27° 7 | 12° 6 | 3°11 | 2°36 | 15°17 | 15°49 | 22° 4 | 21°53 | W26 |
| T 27 | 2 26 0 | 4°38'22 | 21°24 | 29°13 | 9°53 | 16° 8 | 9°52 | 27° 4 | 12° 8 | 3°10 | 2°37 | 15°15 | 15°46 | 22°11 | 21°53 | T 27 |
| F 28 | 2 29 56 | 5°37'42 | 3♍15 | 0♏58 | 11° 5 | 16°43 | 9°47 | 27° 1 | 12°10 | 3°10 | 2°38 | 15°12 | 15°43 | 22°17 | 21°53 | F 28 |
| S 29 | 2 33 53 | 6°37'05 | 15°13 | 2°43 | 12°18 | 17°17 | 9°41 | 26°58 | 12°12 | 3° 9 | 2°40 | 15° 6 | 15°40 | 22°24 | 21°53 | S 29 |
| S 30 | 2 37 49 | 7°36'29 | 27°23 | 4°26 | 13°30 | 17°52 | 9°35 | 26°55 | 12°14 | 3° 9 | 2°41 | 14°57 | 15°37 | 22°31 | 21°D53 | S 30 |
| M31 | 2 41 46 | 8♏35'56 | 9♎46 | 6♏10 | 14♐42 | 18♒28 | 9♊30 | 26♓52 | 12♑16 | 3♓ 8 | 2♑43 | 14♑47 | 15♑33 | 22♌37 | 21♒53 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3s36 | 5n21 | 3s48 | 2n 7 | 0s28 | 14s 5 | 0n 9 | 23s10 | 3s54 | 20n56 | 1s 4 | 2s36 | 2s18 | 23s 9 | 0s20 | 10s28 | 0s21 | 14s39 | 8n39 | 22s 6 | 22s13 | 12n21 | 7s27 | 6n54 |
| S 2 | 3 59 | 0 15 | 4 24 | 2 18 | 0 11 | 14 31 | 0 6 | 23 1 | 3 51 | 20 56 | 1 5 | 2 38 | 2 18 | 23 9 | 0 20 | 10 29 | 0 21 | 14 39 | 8 38 | 22 8 | 22 14 | 12 18 | 7 28 | 6 54 |
| M 3 | 4 22 | 4s56 | 4 48 | 2 24 | 0n 6 | 14 57 | 0 3 | 22 53 | 3 48 | 20 55 | 1 5 | 2 40 | 2 18 | 23 9 | 0 20 | 10 29 | 0 21 | 14 40 | 8 38 | 22 9 | 22 14 | 12 15 | 7 29 | 6 53 |
| T 4 | 4 44 | 10 0 | 4 59 | 2 26 | 0 22 | 15 22 | 0s 0 | 22 43 | 3 45 | 20 55 | 1 5 | 2 41 | 2 18 | 23 8 | 0 20 | 10 30 | 0 21 | 14 40 | 8 37 | 22 11 | 22 14 | 12 13 | 7 30 | 6 53 |
| W 5 | 5 7 | 14 43 | 4 56 | 2 23 | 0 36 | 15 47 | 0 3 | 22 34 | 3 42 | 20 55 | 1 5 | 2 43 | 2 18 | 23 8 | 0 20 | 10 30 | 0 21 | 14 41 | 8 37 | 22 13 | 22 15 | 12 10 | 7 31 | 6 52 |
| T 6 | 5 30 | 18 52 | 4 38 | 2 16 | 0 50 | 16 11 | 0 6 | 22 25 | 3 39 | 20 55 | 1 5 | 2 45 | 2 18 | 23 8 | 0 20 | 10 31 | 0 21 | 14 41 | 8 37 | 22 14 | 22 15 | 12 7 | 7 32 | 6 52 |
| F 7 | 5 52 | 22 10 | 4 5 | 2 4 | 1 2 | 16 36 | 0 9 | 22 15 | 3 37 | 20 54 | 1 5 | 2 47 | 2 18 | 23 8 | 0 20 | 10 31 | 0 21 | 14 41 | 8 36 | 22 16 | 22 15 | 12 4 | 7 33 | 6 51 |
| S 8 | 6 15 | 24 21 | 3 19 | 1 48 | 1 12 | 16 59 | 0 12 | 22 5 | 3 34 | 20 54 | 1 5 | 2 48 | 2 18 | 23 8 | 0 20 | 10 31 | 0 21 | 14 42 | 8 36 | 22 16 | 22 16 | 12 2 | 7 34 | 6 51 |
| S 9 | 6 37 | 25 11 | 2 21 | 1 29 | 1 22 | 17 23 | 0 15 | 21 56 | 3 31 | 20 54 | 1 5 | 2 50 | 2 18 | 23 8 | 0 20 | 10 32 | 0 21 | 14 42 | 8 36 | 22 17 | 22 16 | 11 59 | 7 35 | 6 51 |
| M10 | 7 0 | 24 32 | 1 15 | 1 6 | 1 30 | 17 45 | 0 18 | 21 45 | 3 28 | 20 53 | 1 5 | 2 51 | 2 18 | 23 8 | 0 20 | 10 32 | 0 21 | 14 42 | 8 35 | 22 17 | 22 17 | 11 56 | 7 35 | 6 50 |
| T 11 | 7 22 | 22 23 | 0 3 | 0 39 | 1 37 | 18 8 | 0 21 | 21 35 | 3 25 | 20 53 | 1 5 | 2 53 | 2 18 | 23 8 | 0 20 | 10 33 | 0 21 | 14 43 | 8 35 | 22 17 | 22 17 | 11 53 | 7 36 | 6 50 |
| W12 | 7 44 | 18 52 | 1n11 | 0 10 | 1 43 | 18 30 | 0 24 | 21 25 | 3 23 | 20 52 | 1 6 | 2 55 | 2 18 | 23 8 | 0 20 | 10 33 | 0 21 | 14 43 | 8 35 | 22 17 | 22 17 | 11 51 | 7 37 | 6 49 |
| T 13 | 8 6 | 14 11 | 2 21 | 0s22 | 1 47 | 18 51 | 0 28 | 21 14 | 3 20 | 20 52 | 1 6 | 2 56 | 2 18 | 23 8 | 0 20 | 10 33 | 0 21 | 14 43 | 8 34 | 22 17 | 22 18 | 11 48 | 7 38 | 6 49 |
| F 14 | 8 28 | 8 39 | 3 23 | 0 56 | 1 50 | 19 12 | 0 31 | 21 4 | 3 17 | 20 51 | 1 6 | 2 58 | 2 18 | 23 7 | 0 20 | 10 34 | 0 21 | 14 44 | 8 34 | 22 18 | 22 18 | 11 45 | 7 39 | 6 48 |
| S 15 | 8 50 | 2 37 | 4 13 | 1 32 | 1 53 | 19 33 | 0 34 | 20 53 | 3 15 | 20 51 | 1 6 | 2 59 | 2 17 | 23 7 | 0 20 | 10 34 | 0 21 | 14 44 | 8 33 | 22 19 | 22 19 | 11 42 | 7 39 | 6 48 |
| S 16 | 9 11 | 3n34 | 4 46 | 2 10 | 1 54 | 19 53 | 0 37 | 20 42 | 3 12 | 20 50 | 1 6 | 3 1 | 2 17 | 23 7 | 0 20 | 10 34 | 0 21 | 14 44 | 8 33 | 22 20 | 22 19 | 11 39 | 7 40 | 6 47 |
| M17 | 9 33 | 9 32 | 5 0 | 2 49 | 1 55 | 20 13 | 0 40 | 20 31 | 3 9 | 20 50 | 1 6 | 3 2 | 2 17 | 23 7 | 0 20 | 10 35 | 0 21 | 14 45 | 8 33 | 22 21 | 22 19 | 11 37 | 7 41 | 6 47 |
| T 18 | 9 54 | 14 54 | 4 55 | 3 29 | 1 54 | 20 32 | 0 43 | 20 19 | 3 7 | 20 49 | 1 6 | 3 4 | 2 17 | 23 7 | 0 20 | 10 35 | 0 21 | 14 45 | 8 32 | 22 22 | 22 20 | 11 34 | 7 42 | 6 46 |
| W19 | 10 16 | 19 22 | 4 32 | 4 11 | 1 53 | 20 50 | 0 46 | 20 8 | 3 4 | 20 49 | 1 6 | 3 5 | 2 17 | 23 7 | 0 20 | 10 35 | 0 21 | 14 45 | 8 32 | 22 24 | 22 20 | 11 31 | 7 42 | 6 46 |
| T 20 | 10 37 | 22 38 | 3 54 | 4 52 | 1 52 | 21 8 | 0 49 | 19 56 | 3 1 | 20 48 | 1 6 | 3 6 | 2 17 | 23 7 | 0 20 | 10 35 | 0 21 | 14 46 | 8 32 | 22 25 | 22 20 | 11 28 | 7 43 | 6 45 |
| F 21 | 10 58 | 24 33 | 3 4 | 5 35 | 1 49 | 21 26 | 0 52 | 19 45 | 2 59 | 20 47 | 1 6 | 3 8 | 2 17 | 23 6 | 0 20 | 10 36 | 0 21 | 14 46 | 8 31 | 22 26 | 22 21 | 11 26 | 7 44 | 6 45 |
| S 22 | 11 18 | 25 5 | 2 5 | 6 17 | 1 46 | 21 43 | 0 55 | 19 33 | 2 56 | 20 47 | 1 6 | 3 9 | 2 17 | 23 6 | 0 20 | 10 36 | 0 21 | 14 46 | 8 31 | 22 26 | 22 21 | 11 23 | 7 44 | 6 44 |
| S 23 | 11 39 | 24 18 | 1 2 | 7 0 | 1 43 | 21 59 | 0 58 | 19 21 | 2 54 | 20 46 | 1 6 | 3 10 | 2 17 | 23 6 | 0 20 | 10 36 | 0 21 | 14 47 | 8 31 | 22 26 | 22 22 | 11 20 | 7 45 | 6 44 |
| M24 | 12 0 | 22 21 | 0s 2 | 7 42 | 1 39 | 22 15 | 1 1 | 19 8 | 2 51 | 20 45 | 1 6 | 3 11 | 2 17 | 23 6 | 0 20 | 10 36 | 0 21 | 14 47 | 8 30 | 22 26 | 22 22 | 11 17 | 7 46 | 6 43 |
| T 25 | 12 20 | 19 26 | 1 6 | 8 25 | 1 34 | 22 30 | 1 4 | 18 56 | 2 48 | 20 44 | 1 7 | 3 13 | 2 17 | 23 6 | 0 20 | 10 37 | 0 21 | 14 47 | 8 30 | 22 26 | 22 22 | 11 14 | 7 46 | 6 43 |
| W26 | 12 40 | 15 44 | 2 5 | 9 7 | 1 30 | 22 44 | 1 7 | 18 44 | 2 46 | 20 44 | 1 7 | 3 14 | 2 17 | 23 6 | 0 20 | 10 37 | 0 21 | 14 48 | 8 30 | 22 26 | 22 23 | 11 12 | 7 47 | 6 42 |
| T 27 | 13 0 | 11 27 | 3 0 | 9 49 | 1 25 | 22 58 | 1 10 | 18 31 | 2 43 | 20 43 | 1 7 | 3 15 | 2 16 | 23 6 | 0 20 | 10 37 | 0 21 | 14 48 | 8 29 | 22 27 | 22 23 | 11 9 | 7 47 | 6 42 |
| F 28 | 13 20 | 6 44 | 3 46 | 10 31 | 1 19 | 23 12 | 1 13 | 18 18 | 2 41 | 20 42 | 1 7 | 3 16 | 2 16 | 23 5 | 0 20 | 10 37 | 0 21 | 14 48 | 8 29 | 22 27 | 22 23 | 11 6 | 7 48 | 6 41 |
| S 29 | 13 39 | 1 45 | 4 23 | 11 12 | 1 14 | 23 24 | 1 16 | 18 5 | 2 38 | 20 41 | 1 7 | 3 17 | 2 16 | 23 5 | 0 20 | 10 37 | 0 21 | 14 48 | 8 29 | 22 28 | 22 24 | 11 3 | 7 48 | 6 41 |
| S 30 | 13 58 | 3s23 | 4 49 | 11 52 | 1 8 | 23 36 | 1 19 | 17 52 | 2 36 | 20 40 | 1 7 | 3 18 | 2 16 | 23 5 | 0 20 | 10 38 | 0 21 | 14 49 | 8 28 | 22 29 | 22 24 | 11 0 | 7 49 | 6 40 |
| M31 | 14s18 | 8s28 | 5s 2 | 12s32 | 1n 2 | 23s48 | 1s22 | 17s39 | 2s34 | 20n39 | 1s 7 | 3s19 | 2s16 | 23s 5 | 0s20 | 10s38 | 0s21 | 14s49 | 8n28 | 22s30 | 22s25 | 10n58 | 7s49 | 6n40 |

Julian Day Number = 2815600.5, Delta T = 54m31s
Ecliptic obliquity = 23°18'40, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°41'37, Lahiri = 37°48'38


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# ASTRODIENST EPHEMERIS for the year 2996
# geocentric

## NOVEMBER 2996 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 45 43 | 9♏35'25 | 22♎24 | 7♏52 | 15♐54 | 19♒ 3 | 9°R23 | 26°R49 | 12♑18 | 3°R 8 | 2♑44 | 14°R35 | 15♑30 | 22♌44 | 21♒53 | T 1 |
| W 2 | 2 49 39 | 10°34'56 | 5♏19 | 9°34 | 17° 7 | 19°39 | 9♊17 | 26♓47 | 12°20 | 3♓ 8 | 2°46 | 14♑23 | 15°27 | 22°51 | 21°53 | W 2 |
| T 3 | 2 53 36 | 11°34'29 | 18°29 | 11°16 | 18°19 | 20°15 | 9°11 | 26°44 | 12°22 | 3° 7 | 2°47 | 14°13 | 15°24 | 22°57 | 21°53 | T 3 |
| F 4 | 2 57 32 | 12°34'04 | 1♐52 | 12°57 | 19°31 | 20°51 | 9° 4 | 26°41 | 12°24 | 3° 7 | 2°49 | 14° 4 | 15°21 | 23° 4 | 21°54 | F 4 |
| S 5 | 3 1 29 | 13°33'42 | 15°26 | 14°37 | 20°43 | 21°27 | 8°58 | 26°39 | 12°27 | 3° 7 | 2°51 | 13°58 | 15°17 | 23°11 | 21°54 | S 5 |
| S 6 | 3 5 25 | 14°33'20 | 29°10 | 16°16 | 21°55 | 22° 4 | 8°51 | 26°37 | 12°29 | 3° 6 | 2°52 | 13°55 | 15°14 | 23°17 | 21°55 | S 6 |
| M 7 | 3 9 22 | 15°33'01 | 13♑ 1 | 17°55 | 23° 7 | 22°40 | 8°44 | 26°35 | 12°31 | 3° 6 | 2°54 | 13°D54 | 15°11 | 23°24 | 21°55 | M 7 |
| T 8 | 3 13 18 | 16°32'43 | 26°58 | 19°34 | 24°19 | 23°17 | 8°37 | 26°32 | 12°34 | 3° 6 | 2°56 | 13°54 | 15° 8 | 23°31 | 21°56 | T 8 |
| W 9 | 3 17 15 | 17°32'27 | 11♒ 1 | 21°12 | 25°31 | 23°55 | 8°30 | 26°30 | 12°36 | 3° 6 | 2°57 | 13°R55 | 15° 5 | 23°37 | 21°56 | W 9 |
| T 10 | 3 21 12 | 18°32'13 | 25° 9 | 22°49 | 26°43 | 24°32 | 8°23 | 26°28 | 12°38 | 3° 6 | 2°59 | 13°55 | 15° 2 | 23°44 | 21°57 | T 10 |
| F 11 | 3 25 8 | 19°32'00 | 9♓20 | 24°25 | 27°55 | 25° 9 | 8°16 | 26°27 | 12°41 | 3° 6 | 3° 1 | 13°53 | 14°58 | 23°51 | 21°58 | F 11 |
| S 12 | 3 29 5 | 20°31'48 | 23°32 | 26° 2 | 29° 7 | 25°47 | 8° 8 | 26°25 | 12°43 | 3° 6 | 3° 3 | 13°49 | 14°55 | 23°57 | 21°59 | S 12 |
| S 13 | 3 33 1 | 21°31'38 | 7♈43 | 27°37 | 0♑18 | 26°25 | 8° 1 | 26°23 | 12°46 | 3°D 5 | 3° 4 | 13°43 | 14°52 | 24° 4 | 22° 0 | S 13 |
| M14 | 3 36 58 | 22°31'30 | 21°49 | 29°13 | 1°30 | 27° 3 | 7°53 | 26°22 | 12°49 | 3° 5 | 3° 6 | 13°35 | 14°49 | 24°11 | 22° 1 | M14 |
| T 15 | 3 40 54 | 23°31'24 | 5♉45 | 0♐47 | 2°42 | 27°41 | 7°45 | 26°20 | 12°51 | 3° 6 | 3° 8 | 13°27 | 14°46 | 24°17 | 22° 2 | T 15 |
| W16 | 3 44 51 | 24°31'19 | 19°28 | 2°22 | 3°53 | 28°19 | 7°38 | 26°19 | 12°54 | 3° 6 | 3°10 | 13°18 | 14°43 | 24°24 | 22° 3 | W16 |
| T 17 | 3 48 47 | 25°31'17 | 2♊54 | 3°55 | 5° 5 | 28°58 | 7°30 | 26°18 | 12°57 | 3° 6 | 3°12 | 13°11 | 14°39 | 24°31 | 22° 4 | T 17 |
| F 18 | 3 52 44 | 26°31'16 | 16° 1 | 5°29 | 6°16 | 29°36 | 7°22 | 26°16 | 12°59 | 3° 6 | 3°14 | 13° 6 | 14°36 | 24°37 | 22° 6 | F 18 |
| S 19 | 3 56 41 | 27°31'17 | 28°49 | 7° 2 | 7°28 | 0♓15 | 7°14 | 26°15 | 13° 2 | 3° 6 | 3°16 | 13° 3 | 14°33 | 24°44 | 22° 7 | S 19 |
| S 20 | 4 0 37 | 28°31'20 | 11♋18 | 8°34 | 8°39 | 0°54 | 7° 6 | 26°14 | 13° 5 | 3° 6 | 3°18 | 13°D 1 | 14°30 | 24°51 | 22° 8 | S 20 |
| M21 | 4 4 34 | 29°31'25 | 23°31 | 10° 6 | 9°51 | 1°33 | 6°58 | 26°14 | 13° 8 | 3° 6 | 3°19 | 13° 2 | 14°27 | 24°57 | 22°10 | M21 |
| T 22 | 4 8 30 | 0♐31'32 | 5♌31 | 11°38 | 11° 2 | 2°12 | 6°50 | 26°13 | 13°11 | 3° 7 | 3°21 | 13° 3 | 14°23 | 25° 4 | 22°11 | T 22 |
| W23 | 4 12 27 | 1°31'41 | 17°24 | 13°10 | 12°13 | 2°51 | 6°42 | 26°12 | 13°14 | 3° 7 | 3°23 | 13° 5 | 14°20 | 25°11 | 22°13 | W23 |
| T 24 | 4 16 23 | 2°31'52 | 29°13 | 14°41 | 13°24 | 3°30 | 6°34 | 26°12 | 13°17 | 3° 7 | 3°25 | 13°R 6 | 14°17 | 25°17 | 22°15 | T 24 |
| F 25 | 4 20 20 | 3°32'05 | 11♍ 5 | 16°11 | 14°35 | 4°10 | 6°26 | 26°11 | 13°20 | 3° 8 | 3°27 | 13° 6 | 14°14 | 25°24 | 22°16 | F 25 |
| S 26 | 4 24 16 | 4°32'20 | 23° 5 | 17°42 | 15°46 | 4°49 | 6°18 | 26°11 | 13°23 | 3° 8 | 3°29 | 13° 4 | 14°11 | 25°31 | 22°18 | S 26 |
| S 27 | 4 28 13 | 5°32'37 | 5♎16 | 19°12 | 16°57 | 5°29 | 6° 9 | 26°11 | 13°26 | 3° 9 | 3°32 | 13° 0 | 14° 8 | 25°37 | 22°20 | S 27 |
| M28 | 4 32 10 | 6°32'55 | 17°43 | 20°41 | 18° 8 | 6° 9 | 6° 1 | 26°10 | 13°29 | 3° 9 | 3°34 | 12°55 | 14° 4 | 25°44 | 22°22 | M28 |
| T 29 | 4 36 6 | 7°33'16 | 0♏29 | 22°10 | 19°19 | 6°49 | 5°53 | 26°D10 | 13°32 | 3°10 | 3°36 | 12°49 | 14° 1 | 25°51 | 22°24 | T 29 |
| W30 | 4 40 3 | 8♐33'39 | 13♏35 | 23♐39 | 20♑30 | 7♓29 | 5♊45 | 26♓11 | 13♑35 | 3♓10 | 3♑38 | 12♑43 | 13♑58 | 25♌58 | 22♒26 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s36 | 13s19 | 5s 0 | 13s11 | 0n55 | 23s59 | 1s25 | 17s25 | 2s31 | 20n38 | 1s 7 | 3s20 | 2s16 | 23s 5 | 0s20 | 10s38 | 0s21 | 14s49 | 8n28 | 22s31 | 22s25 | 10n55 | 7s50 | 6n39 |
| W 2 | 14 55 | 17 40 | 4 43 | 13 50 | 0 49 | 24 9 | 1 28 | 17 12 | 2 29 | 20 37 | 1 7 | 3 21 | 2 16 | 23 4 | 0 20 | 10 38 | 0 21 | 14 50 | 8 27 | 22 32 | 22 25 | 10 52 | 7 50 | 6 39 |
| T 3 | 15 13 | 21 15 | 4 11 | 14 27 | 0 42 | 24 18 | 1 30 | 16 58 | 2 26 | 20 36 | 1 7 | 3 22 | 2 16 | 23 4 | 0 20 | 10 38 | 0 21 | 14 50 | 8 27 | 22 33 | 22 26 | 10 49 | 7 50 | 6 38 |
| F 4 | 15 32 | 23 46 | 3 25 | 15 4 | 0 36 | 24 27 | 1 33 | 16 45 | 2 24 | 20 35 | 1 7 | 3 23 | 2 15 | 23 4 | 0 20 | 10 38 | 0 21 | 14 50 | 8 27 | 22 34 | 22 26 | 10 46 | 7 51 | 6 38 |
| S 5 | 15 50 | 24 56 | 2 26 | 15 40 | 0 29 | 24 35 | 1 36 | 16 31 | 2 22 | 20 34 | 1 7 | 3 24 | 2 15 | 23 4 | 0 20 | 10 38 | 0 21 | 14 50 | 8 26 | 22 35 | 22 26 | 10 44 | 7 51 | 6 37 |
| S 6 | 16 7 | 24 36 | 1 18 | 16 16 | 0 22 | 24 42 | 1 39 | 16 17 | 2 19 | 20 33 | 1 7 | 3 24 | 2 15 | 23 4 | 0 20 | 10 39 | 0 21 | 14 51 | 8 26 | 22 35 | 22 27 | 10 41 | 7 52 | 6 37 |
| M 7 | 16 25 | 22 45 | 0 5 | 16 50 | 0 16 | 24 49 | 1 41 | 16 2 | 2 17 | 20 32 | 1 7 | 3 25 | 2 15 | 23 3 | 0 20 | 10 39 | 0 21 | 14 51 | 8 26 | 22 35 | 22 27 | 10 38 | 7 52 | 6 36 |
| T 8 | 16 42 | 19 31 | 1n10 | 17 23 | 0 9 | 24 55 | 1 44 | 15 48 | 2 14 | 20 31 | 1 7 | 3 26 | 2 15 | 23 3 | 0 20 | 10 39 | 0 21 | 14 51 | 8 26 | 22 35 | 22 27 | 10 35 | 7 52 | 6 36 |
| W 9 | 16 58 | 15 7 | 2 20 | 17 56 | 0 2 | 25 0 | 1 46 | 15 34 | 2 12 | 20 30 | 1 7 | 3 27 | 2 15 | 23 3 | 0 20 | 10 39 | 0 21 | 14 52 | 8 25 | 22 35 | 22 28 | 10 32 | 7 52 | 6 35 |
| T 10 | 17 15 | 9 53 | 3 23 | 18 27 | 0s 5 | 25 5 | 1 49 | 15 19 | 2 10 | 20 29 | 1 7 | 3 27 | 2 15 | 23 3 | 0 20 | 10 39 | 0 21 | 14 52 | 8 25 | 22 35 | 22 28 | 10 29 | 7 53 | 6 35 |
| F 11 | 17 31 | 4 7 | 4 13 | 18 58 | 0 12 | 25 9 | 1 51 | 15 4 | 2 8 | 20 28 | 1 7 | 3 28 | 2 14 | 23 2 | 0 20 | 10 39 | 0 21 | 14 52 | 8 25 | 22 35 | 22 29 | 10 27 | 7 53 | 6 34 |
| S 12 | 17 47 | 1n51 | 4 48 | 19 27 | 0 19 | 25 12 | 1 53 | 14 49 | 2 5 | 20 27 | 1 7 | 3 28 | 2 14 | 23 2 | 0 20 | 10 39 | 0 21 | 14 52 | 8 24 | 22 36 | 22 29 | 10 24 | 7 53 | 6 34 |
| S 13 | 18 3 | 7 43 | 5 5 | 19 56 | 0 25 | 25 14 | 1 56 | 14 35 | 2 3 | 20 26 | 1 7 | 3 29 | 2 14 | 23 2 | 0 20 | 10 39 | 0 21 | 14 52 | 8 24 | 22 37 | 22 29 | 10 21 | 7 53 | 6 33 |
| M14 | 18 18 | 13 9 | 5 3 | 20 24 | 0 32 | 25 16 | 1 58 | 14 19 | 2 1 | 20 25 | 1 7 | 3 29 | 2 14 | 23 2 | 0 20 | 10 39 | 0 21 | 14 53 | 8 24 | 22 37 | 22 30 | 10 18 | 7 53 | 6 33 |
| T 15 | 18 33 | 17 50 | 4 44 | 20 50 | 0 39 | 25 17 | 2 0 | 14 4 | 1 59 | 20 23 | 1 7 | 3 30 | 2 14 | 23 1 | 0 20 | 10 39 | 0 21 | 14 53 | 8 24 | 22 38 | 22 30 | 10 15 | 7 54 | 6 32 |
| W16 | 18 48 | 21 29 | 4 8 | 21 16 | 0 45 | 25 17 | 2 2 | 13 49 | 1 56 | 20 22 | 1 7 | 3 30 | 2 14 | 23 1 | 0 20 | 10 39 | 0 21 | 14 53 | 8 23 | 22 39 | 22 30 | 10 13 | 7 54 | 6 32 |
| T 17 | 19 2 | 23 53 | 3 19 | 21 40 | 0 52 | 25 17 | 2 4 | 13 34 | 1 54 | 20 21 | 1 7 | 3 31 | 2 13 | 23 1 | 0 20 | 10 39 | 0 21 | 14 53 | 8 23 | 22 40 | 22 31 | 10 10 | 7 54 | 6 31 |
| F 18 | 19 16 | 24 55 | 2 21 | 22 3 | 0 58 | 25 16 | 2 6 | 13 18 | 1 52 | 20 20 | 1 7 | 3 31 | 2 13 | 23 1 | 0 20 | 10 39 | 0 21 | 14 54 | 8 23 | 22 40 | 22 31 | 10 7 | 7 54 | 6 31 |
| S 19 | 19 30 | 24 34 | 1 16 | 22 25 | 1 4 | 25 14 | 2 8 | 13 2 | 1 50 | 20 18 | 1 6 | 3 31 | 2 13 | 23 0 | 0 20 | 10 39 | 0 21 | 14 54 | 8 23 | 22 41 | 22 31 | 10 4 | 7 54 | 6 30 |
| S 20 | 19 43 | 22 59 | 0 9 | 22 46 | 1 10 | 25 11 | 2 10 | 12 47 | 1 48 | 20 17 | 1 6 | 3 31 | 2 13 | 23 0 | 0 20 | 10 39 | 0 21 | 14 54 | 8 22 | 22 41 | 22 32 | 10 1 | 7 54 | 6 30 |
| M21 | 19 56 | 20 21 | 0s57 | 23 6 | 1 16 | 25 8 | 2 11 | 12 31 | 1 46 | 20 16 | 1 6 | 3 31 | 2 13 | 23 0 | 0 20 | 10 39 | 0 21 | 14 54 | 8 22 | 22 41 | 22 32 | 9 58 | 7 54 | 6 29 |
| T 22 | 20 9 | 16 52 | 1 59 | 23 25 | 1 22 | 25 4 | 2 13 | 12 15 | 1 44 | 20 15 | 1 6 | 3 32 | 2 13 | 22 59 | 0 20 | 10 38 | 0 21 | 14 54 | 8 22 | 22 40 | 22 32 | 9 56 | 7 54 | 6 29 |
| W23 | 20 21 | 12 45 | 2 56 | 23 43 | 1 28 | 24 59 | 2 15 | 11 59 | 1 42 | 20 13 | 1 6 | 3 32 | 2 12 | 22 59 | 0 20 | 10 38 | 0 21 | 14 55 | 8 22 | 22 40 | 22 33 | 9 53 | 7 54 | 6 28 |
| T 24 | 20 33 | 8 10 | 3 45 | 23 59 | 1 34 | 24 54 | 2 16 | 11 43 | 1 40 | 20 12 | 1 6 | 3 32 | 2 12 | 22 59 | 0 20 | 10 38 | 0 21 | 14 55 | 8 21 | 22 40 | 22 33 | 9 50 | 7 54 | 6 28 |
| F 25 | 20 45 | 3 17 | 4 24 | 24 14 | 1 39 | 24 48 | 2 18 | 11 27 | 1 38 | 20 11 | 1 6 | 3 32 | 2 12 | 22 59 | 0 20 | 10 38 | 0 21 | 14 55 | 8 21 | 22 40 | 22 33 | 9 47 | 7 54 | 6 27 |
| S 26 | 20 56 | 1s45 | 4 53 | 24 28 | 1 44 | 24 41 | 2 19 | 11 10 | 1 35 | 20 10 | 1 6 | 3 32 | 2 12 | 22 58 | 0 20 | 10 38 | 0 21 | 14 55 | 8 21 | 22 40 | 22 34 | 9 44 | 7 54 | 6 27 |
| S 27 | 21 7 | 6 48 | 5 8 | 24 41 | 1 49 | 24 34 | 2 20 | 10 54 | 1 33 | 20 8 | 1 6 | 3 32 | 2 12 | 22 58 | 0 20 | 10 38 | 0 21 | 14 55 | 8 21 | 22 41 | 22 34 | 9 41 | 7 53 | 6 26 |
| M28 | 21 17 | 11 41 | 5 10 | 24 53 | 1 54 | 24 25 | 2 21 | 10 38 | 1 31 | 20 7 | 1 6 | 3 32 | 2 12 | 22 58 | 0 20 | 10 38 | 0 21 | 14 55 | 8 20 | 22 41 | 22 34 | 9 39 | 7 53 | 6 26 |
| T 29 | 21 27 | 16 12 | 4 57 | 25 3 | 1 58 | 24 17 | 2 22 | 10 21 | 1 29 | 20 6 | 1 6 | 3 31 | 2 11 | 22 57 | 0 20 | 10 37 | 0 21 | 14 56 | 8 20 | 22 42 | 22 35 | 9 36 | 7 53 | 6 25 |
| W30 | 21s37 | 20s 5 | 4s27 | 25s12 | 2s 3 | 24s 7 | 2s23 | 10s 4 | 1s28 | 20n 4 | 1s 5 | 3s31 | 2s11 | 22s57 | 0s20 | 10s37 | 0s21 | 14s56 | 8n20 | 22s42 | 22s35 | 9n33 | 7s53 | 6n25 |

Julian Day Number = 2815631.5, Delta T = 54m31s
Ecliptic obliquity = 23°18'39, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°41'42, Lahiri = 37°48'42


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# ASTRODIENST EPHEMERIS for the year 2996
# geocentric

## DECEMBER 2996 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 43 59 | 9♐34'03 | 27♏ 2 | 25♐ 8 | 21♑41 | 8♓ 9 | 5°R37 | 26♓11 | 13♑38 | 3♓11 | 3♑40 | 12°R38 | 13♑55 | 26♌ 4 | 22♒28 | T 1 |
| F 2 | 4 47 56 | 10°34'29 | 10♐47 | 26°36 | 22°51 | 8°49 | 5♊29 | 26°11 | 13°41 | 3°11 | 3°42 | 12♑33 | 13°52 | 26°11 | 22°30 | F 2 |
| S 3 | 4 51 52 | 11°34'56 | 24°47 | 28° 3 | 24° 2 | 9°30 | 5°20 | 26°11 | 13°44 | 3°12 | 3°44 | 12°30 | 13°49 | 26°18 | 22°33 | S 3 |
| S 4 | 4 55 49 | 12°35'25 | 8♑58 | 29°30 | 25°12 | 10°10 | 5°12 | 26°12 | 13°48 | 3°13 | 3°46 | 12°D29 | 13°45 | 26°24 | 22°35 | S 4 |
| M 5 | 4 59 45 | 13°35'56 | 23°16 | 0♑56 | 26°23 | 10°51 | 5° 4 | 26°13 | 13°51 | 3°13 | 3°48 | 12°29 | 13°42 | 26°31 | 22°37 | M 5 |
| T 6 | 5 3 42 | 14°36'27 | 7♒36 | 2°22 | 27°33 | 11°31 | 4°56 | 26°13 | 13°54 | 3°14 | 3°51 | 12°31 | 13°39 | 26°38 | 22°40 | T 6 |
| W 7 | 5 7 39 | 15°37'00 | 21°55 | 3°47 | 28°43 | 12°12 | 4°49 | 26°14 | 13°57 | 3°15 | 3°53 | 12°32 | 13°36 | 26°44 | 22°42 | W 7 |
| T 8 | 5 11 35 | 16°37'34 | 6♓10 | 5°11 | 29°53 | 12°53 | 4°41 | 26°15 | 14° 1 | 3°16 | 3°55 | 12°33 | 13°33 | 26°51 | 22°45 | T 8 |
| F 9 | 5 15 32 | 17°38'09 | 20°18 | 6°34 | 1♒ 4 | 13°34 | 4°33 | 26°16 | 14° 4 | 3°17 | 3°57 | 12°R34 | 13°29 | 26°58 | 22°47 | F 9 |
| S 10 | 5 19 28 | 18°38'45 | 4♈19 | 7°56 | 2°13 | 14°14 | 4°25 | 26°17 | 14° 7 | 3°18 | 3°59 | 12°33 | 13°26 | 27° 4 | 22°50 | S 10 |
| S 11 | 5 23 25 | 19°39'22 | 18°10 | 9°17 | 3°23 | 14°55 | 4°18 | 26°18 | 14°11 | 3°18 | 4° 2 | 12°31 | 13°23 | 27°11 | 22°53 | S 11 |
| M12 | 5 27 21 | 20°40'00 | 1♉50 | 10°36 | 4°33 | 15°37 | 4°10 | 26°20 | 14°14 | 3°19 | 4° 4 | 12°28 | 13°20 | 27°18 | 22°55 | M12 |
| T 13 | 5 31 18 | 21°40'40 | 15°19 | 11°54 | 5°42 | 16°18 | 4° 3 | 26°21 | 14°18 | 3°20 | 4° 6 | 12°25 | 13°17 | 27°24 | 22°58 | T 13 |
| W14 | 5 35 14 | 22°41'20 | 28°35 | 13°10 | 6°52 | 16°59 | 3°55 | 26°23 | 14°21 | 3°21 | 4° 8 | 12°22 | 13°14 | 27°31 | 23° 1 | W14 |
| T 15 | 5 39 11 | 23°42'02 | 11♊37 | 14°25 | 8° 1 | 17°40 | 3°48 | 26°24 | 14°25 | 3°22 | 4°10 | 12°19 | 13°10 | 27°38 | 23° 4 | T 15 |
| F 16 | 5 43 8 | 24°42'45 | 24°25 | 15°36 | 9°10 | 18°22 | 3°41 | 26°26 | 14°28 | 3°23 | 4°13 | 12°18 | 13° 7 | 27°44 | 23° 7 | F 16 |
| S 17 | 5 47 4 | 25°43'29 | 6♋58 | 16°45 | 10°20 | 19° 3 | 3°34 | 26°28 | 14°31 | 3°25 | 4°15 | 12°D17 | 13° 4 | 27°51 | 23°10 | S 17 |
| S 18 | 5 51 1 | 26°44'14 | 19°18 | 17°51 | 11°28 | 19°44 | 3°27 | 26°30 | 14°35 | 3°26 | 4°17 | 12°17 | 13° 1 | 27°58 | 23°13 | S 18 |
| M19 | 5 54 57 | 27°45'00 | 1♌26 | 18°54 | 12°37 | 20°26 | 3°20 | 26°32 | 14°38 | 3°27 | 4°19 | 12°17 | 12°58 | 28° 5 | 23°16 | M19 |
| T 20 | 5 58 54 | 28°45'48 | 13°25 | 19°52 | 13°46 | 21° 7 | 3°14 | 26°34 | 14°42 | 3°28 | 4°22 | 12°19 | 12°55 | 28°11 | 23°19 | T 20 |
| W21 | 6 2 50 | 29°46'37 | 25°17 | 20°46 | 14°54 | 21°49 | 3° 7 | 26°37 | 14°46 | 3°29 | 4°24 | 12°20 | 12°51 | 28°18 | 23°23 | W21 |
| T 22 | 6 6 47 | 0♑47'27 | 7♍ 7 | 21°34 | 16° 3 | 22°31 | 3° 1 | 26°39 | 14°49 | 3°31 | 4°26 | 12°21 | 12°48 | 28°25 | 23°26 | T 22 |
| F 23 | 6 10 44 | 1°48'18 | 18°58 | 22°16 | 17°11 | 23°12 | 2°54 | 26°41 | 14°53 | 3°32 | 4°29 | 12°22 | 12°45 | 28°31 | 23°29 | F 23 |
| S 24 | 6 14 40 | 2°49'11 | 0♎56 | 22°51 | 18°19 | 23°54 | 2°48 | 26°44 | 14°56 | 3°33 | 4°31 | 12°R22 | 12°42 | 28°38 | 23°33 | S 24 |
| S 25 | 6 18 37 | 3°50'05 | 13° 5 | 23°19 | 19°27 | 24°36 | 2°42 | 26°47 | 15° 0 | 3°34 | 4°33 | 12°22 | 12°39 | 28°45 | 23°36 | S 25 |
| M26 | 6 22 33 | 4°51'00 | 25°30 | 23°38 | 20°34 | 25°18 | 2°37 | 26°49 | 15° 3 | 3°36 | 4°35 | 12°22 | 12°35 | 28°51 | 23°39 | M26 |
| T 27 | 6 26 30 | 5°51'56 | 8♏15 | 23°R48 | 21°42 | 25°59 | 2°31 | 26°52 | 15° 7 | 3°37 | 4°38 | 12°21 | 12°32 | 28°58 | 23°43 | T 27 |
| W28 | 6 30 26 | 6°52'53 | 21°23 | 23°47 | 22°49 | 26°41 | 2°25 | 26°55 | 15°11 | 3°39 | 4°40 | 12°20 | 12°29 | 29° 5 | 23°46 | W28 |
| T 29 | 6 34 23 | 7°53'52 | 4♐55 | 23°36 | 23°56 | 27°23 | 2°20 | 26°58 | 15°14 | 3°40 | 4°42 | 12°20 | 12°26 | 29°11 | 23°50 | T 29 |
| F 30 | 6 38 19 | 8°54'51 | 18°51 | 23°13 | 25° 3 | 28° 5 | 2°15 | 27° 1 | 15°18 | 3°42 | 4°44 | 12°19 | 12°23 | 29°18 | 23°54 | F 30 |
| S 31 | 6 42 16 | 9♑55'51 | 3♑ 9 | 22♑38 | 26♒10 | 28♓47 | 2♊10 | 27♓ 5 | 15♑21 | 3♓43 | 4♑47 | 12♑19 | 12♑20 | 29♌25 | 23♒57 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s46 | 23s 0 | 3s43 | 25s20 | 2s 7 | 23s57 | 2s24 | 9s48 | 1s26 | 20n 3 | 1s 5 | 3s31 | 2s11 | 22s57 | 0s20 | 10s37 | 0s21 | 14s56 | 8n20 | 22s43 | 22s35 | 9n30 | 7s53 | 6n24 |
| F 2 | 21 55 | 24 40 | 2 45 | 25 26 | 2 10 | 23 46 | 2 25 | 9 31 | 1 24 | 20 2 | 1 5 | 3 31 | 2 11 | 22 56 | 0 20 | 10 37 | 0 21 | 14 56 | 8 20 | 22 43 | 22 36 | 9 27 | 7 52 | 6 24 |
| S 3 | 22 3 | 24 48 | 1 36 | 25 32 | 2 14 | 23 35 | 2 26 | 9 14 | 1 22 | 20 1 | 1 5 | 3 30 | 2 11 | 22 56 | 0 20 | 10 36 | 0 21 | 14 56 | 8 19 | 22 44 | 22 36 | 9 24 | 7 52 | 6 24 |
| S 4 | 22 11 | 23 20 | 0 19 | 25 35 | 2 17 | 23 22 | 2 26 | 8 57 | 1 20 | 19 59 | 1 5 | 3 30 | 2 10 | 22 56 | 0 20 | 10 36 | 0 21 | 14 56 | 8 19 | 22 44 | 22 36 | 9 22 | 7 52 | 6 23 |
| M 5 | 22 19 | 20 21 | 0n59 | 25 38 | 2 20 | 23 10 | 2 27 | 8 40 | 1 18 | 19 58 | 1 5 | 3 30 | 2 10 | 22 55 | 0 20 | 10 36 | 0 21 | 14 56 | 8 19 | 22 44 | 22 37 | 9 19 | 7 52 | 6 23 |
| T 6 | 22 26 | 16 7 | 2 14 | 25 39 | 2 22 | 22 56 | 2 27 | 8 23 | 1 16 | 19 57 | 1 5 | 3 29 | 2 10 | 22 55 | 0 20 | 10 36 | 0 21 | 14 57 | 8 19 | 22 44 | 22 37 | 9 16 | 7 51 | 6 22 |
| W 7 | 22 32 | 10 58 | 3 20 | 25 40 | 2 24 | 22 42 | 2 27 | 8 6 | 1 14 | 19 56 | 1 4 | 3 29 | 2 10 | 22 55 | 0 20 | 10 35 | 0 21 | 14 57 | 8 19 | 22 43 | 22 37 | 9 13 | 7 51 | 6 22 |
| T 8 | 22 39 | 5 16 | 4 13 | 25 38 | 2 26 | 22 28 | 2 27 | 7 48 | 1 12 | 19 54 | 1 4 | 3 28 | 2 10 | 22 54 | 0 20 | 10 35 | 0 21 | 14 57 | 8 19 | 22 43 | 22 38 | 9 10 | 7 50 | 6 21 |
| F 9 | 22 44 | 0n39 | 4 51 | 25 36 | 2 27 | 22 13 | 2 27 | 7 31 | 1 11 | 19 53 | 1 4 | 3 28 | 2 9 | 22 54 | 0 20 | 10 35 | 0 21 | 14 57 | 8 18 | 22 43 | 22 38 | 9 7 | 7 50 | 6 21 |
| S 10 | 22 50 | 6 28 | 5 11 | 25 32 | 2 28 | 21 57 | 2 27 | 7 14 | 1 9 | 19 52 | 1 4 | 3 27 | 2 9 | 22 54 | 0 20 | 10 35 | 0 21 | 14 57 | 8 18 | 22 43 | 22 38 | 9 5 | 7 50 | 6 20 |
| S 11 | 22 55 | 11 55 | 5 13 | 25 27 | 2 28 | 21 41 | 2 27 | 6 56 | 1 7 | 19 51 | 1 4 | 3 26 | 2 9 | 22 53 | 0 20 | 10 34 | 0 21 | 14 57 | 8 18 | 22 44 | 22 38 | 9 2 | 7 49 | 6 20 |
| M12 | 22 59 | 16 41 | 4 57 | 25 20 | 2 28 | 21 24 | 2 27 | 6 39 | 1 5 | 19 49 | 1 4 | 3 26 | 2 9 | 22 53 | 0 20 | 10 34 | 0 21 | 14 57 | 8 18 | 22 44 | 22 39 | 8 59 | 7 49 | 6 20 |
| T 13 | 23 3 | 20 33 | 4 24 | 25 13 | 2 27 | 21 6 | 2 26 | 6 21 | 1 3 | 19 48 | 1 3 | 3 25 | 2 9 | 22 53 | 0 20 | 10 33 | 0 21 | 14 57 | 8 18 | 22 44 | 22 39 | 8 56 | 7 48 | 6 19 |
| W14 | 23 7 | 23 17 | 3 38 | 25 4 | 2 25 | 20 49 | 2 26 | 6 4 | 1 2 | 19 47 | 1 3 | 3 24 | 2 9 | 22 52 | 0 20 | 10 33 | 0 21 | 14 57 | 8 18 | 22 44 | 22 39 | 8 53 | 7 48 | 6 19 |
| T 15 | 23 10 | 24 43 | 2 41 | 24 54 | 2 23 | 20 30 | 2 25 | 5 46 | 1 0 | 19 46 | 1 3 | 3 23 | 2 8 | 22 52 | 0 20 | 10 33 | 0 21 | 14 58 | 8 17 | 22 45 | 22 40 | 8 50 | 7 47 | 6 18 |
| F 16 | 23 12 | 24 49 | 1 37 | 24 43 | 2 20 | 20 11 | 2 24 | 5 28 | 0 58 | 19 45 | 1 3 | 3 22 | 2 8 | 22 51 | 0 20 | 10 32 | 0 21 | 14 58 | 8 17 | 22 45 | 22 40 | 8 47 | 7 47 | 6 18 |
| S 17 | 23 15 | 23 37 | 0 29 | 24 31 | 2 16 | 19 52 | 2 23 | 5 11 | 0 57 | 19 44 | 1 3 | 3 21 | 2 8 | 22 51 | 0 20 | 10 32 | 0 21 | 14 58 | 8 17 | 22 45 | 22 40 | 8 45 | 7 46 | 6 18 |
| S 18 | 23 16 | 21 17 | 0s39 | 24 18 | 2 12 | 19 32 | 2 22 | 4 53 | 0 55 | 19 43 | 1 2 | 3 20 | 2 8 | 22 51 | 0 20 | 10 32 | 0 21 | 14 58 | 8 17 | 22 45 | 22 41 | 8 42 | 7 45 | 6 17 |
| M19 | 23 17 | 18 2 | 1 44 | 24 4 | 2 6 | 19 11 | 2 21 | 4 35 | 0 53 | 19 41 | 1 2 | 3 19 | 2 8 | 22 50 | 0 20 | 10 31 | 0 21 | 14 58 | 8 17 | 22 45 | 22 41 | 8 39 | 7 45 | 6 17 |
| T 20 | 23 18 | 14 5 | 2 44 | 23 50 | 2 0 | 18 50 | 2 20 | 4 17 | 0 52 | 19 40 | 1 2 | 3 18 | 2 7 | 22 50 | 0 20 | 10 31 | 0 21 | 14 58 | 8 17 | 22 45 | 22 41 | 8 36 | 7 44 | 6 16 |
| W21 | 23 19 | 9 37 | 3 36 | 23 34 | 1 53 | 18 29 | 2 19 | 4 0 | 0 50 | 19 39 | 1 2 | 3 17 | 2 7 | 22 50 | 0 20 | 10 30 | 0 21 | 14 58 | 8 17 | 22 45 | 22 42 | 8 33 | 7 43 | 6 16 |
| T 22 | 23 19 | 4 50 | 4 19 | 23 18 | 1 44 | 18 7 | 2 17 | 3 42 | 0 48 | 19 38 | 1 2 | 3 16 | 2 7 | 22 49 | 0 20 | 10 30 | 0 21 | 14 58 | 8 17 | 22 44 | 22 42 | 8 30 | 7 43 | 6 16 |
| F 23 | 23 18 | 0s 8 | 4 51 | 23 2 | 1 35 | 17 45 | 2 15 | 3 24 | 0 47 | 19 37 | 1 1 | 3 15 | 2 7 | 22 49 | 0 20 | 10 29 | 0 21 | 14 58 | 8 16 | 22 44 | 22 42 | 8 27 | 7 42 | 6 15 |
| S 24 | 23 17 | 5 8 | 5 11 | 22 46 | 1 24 | 17 23 | 2 14 | 3 6 | 0 45 | 19 36 | 1 1 | 3 14 | 2 7 | 22 48 | 0 20 | 10 29 | 0 21 | 14 58 | 8 16 | 22 44 | 22 42 | 8 25 | 7 41 | 6 15 |
| S 25 | 23 15 | 10 1 | 5 17 | 22 29 | 1 12 | 17 0 | 2 12 | 2 48 | 0 43 | 19 36 | 1 1 | 3 13 | 2 7 | 22 48 | 0 20 | 10 28 | 0 21 | 14 58 | 8 16 | 22 44 | 22 43 | 8 22 | 7 41 | 6 15 |
| M26 | 23 13 | 14 36 | 5 9 | 22 13 | 0 58 | 16 36 | 2 10 | 2 30 | 0 42 | 19 35 | 1 1 | 3 11 | 2 6 | 22 48 | 0 20 | 10 28 | 0 21 | 14 58 | 8 16 | 22 44 | 22 43 | 8 19 | 7 40 | 6 14 |
| T 27 | 23 11 | 18 41 | 4 46 | 21 57 | 0 44 | 16 12 | 2 7 | 2 12 | 0 40 | 19 34 | 1 0 | 3 10 | 2 6 | 22 47 | 0 20 | 10 27 | 0 21 | 14 58 | 8 16 | 22 44 | 22 43 | 8 16 | 7 39 | 6 14 |
| W28 | 23 8 | 21 59 | 4 7 | 21 41 | 0 28 | 15 48 | 2 5 | 1 54 | 0 39 | 19 33 | 1 0 | 3 9 | 2 6 | 22 47 | 0 20 | 10 27 | 0 21 | 14 58 | 8 16 | 22 44 | 22 44 | 8 13 | 7 38 | 6 13 |
| T 29 | 23 5 | 24 10 | 3 13 | 21 26 | 0 11 | 15 24 | 2 3 | 1 36 | 0 37 | 19 32 | 1 0 | 3 8 | 2 6 | 22 46 | 0 20 | 10 26 | 0 21 | 14 58 | 8 16 | 22 45 | 22 44 | 8 10 | 7 37 | 6 13 |
| F 30 | 23 1 | 24 57 | 2 7 | 21 12 | 0n 8 | 14 59 | 2 0 | 1 18 | 0 36 | 19 31 | 1 0 | 3 6 | 2 6 | 22 46 | 0 20 | 10 26 | 0 21 | 14 58 | 8 16 | 22 45 | 22 44 | 8 7 | 7 37 | 6 13 |
| S 31 | 22s56 | 24s 7 | 0s51 | 20s59 | 0n27 | 14s34 | 1s57 | 1s 0 | 0s34 | 19n31 | 1s 0 | 3s 5 | 2s 6 | 22s46 | 0s20 | 10s25 | 0s21 | 14s58 | 8n16 | 22s45 | 22s45 | 8n 5 | 7s36 | 6n12 |

Julian Day Number = 2815661.5, Delta T = 54m32s
Ecliptic obliquity = 23°18'38, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°41'46, Lahiri = 37°48'46


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# ASTRODIENST EPHEMERIS for the year 2997
# geocentric

## JANUARY 2997 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 46 13 | 10♑56'52 | 17♑45 | 21°R53 | 27♒17 | 29♓29 | 2°R 5 | 27♓ 8 | 15♑25 | 3♓45 | 4♑49 | 12°D19 | 12♑16 | 29♌31 | 24♒ 1 | S 1 |
| M 2 | 6 50 9 | 11°57'54 | 2♒30 | 20♑56 | 28°23 | 0♈11 | 2♊ 1 | 27°11 | 15°29 | 3°46 | 4°51 | 12°R19 | 12°13 | 29°38 | 24° 5 | M 2 |
| T 3 | 6 54 6 | 12°58'56 | 17°20 | 19°50 | 29°29 | 0°54 | 1°56 | 27°15 | 15°32 | 3°48 | 4°53 | 12♑19 | 12°10 | 29°45 | 24° 9 | T 3 |
| W 4 | 6 58 2 | 13°59'59 | 2♓ 5 | 18°36 | 0♓35 | 1°36 | 1°52 | 27°19 | 15°36 | 3°49 | 4°56 | 12°19 | 12° 7 | 29°52 | 24°12 | W 4 |
| T 5 | 7 1 59 | 15° 1'01 | 16°40 | 17°16 | 1°41 | 2°18 | 1°48 | 27°22 | 15°40 | 3°51 | 4°58 | 12°19 | 12° 4 | 29°58 | 24°16 | T 5 |
| F 6 | 7 5 55 | 16° 2'04 | 1♈ 0 | 15°54 | 2°46 | 3° 0 | 1°44 | 27°26 | 15°43 | 3°53 | 5° 0 | 12°18 | 12° 1 | 0♍ 5 | 24°20 | F 6 |
| S 7 | 7 9 52 | 17° 3'08 | 15° 2 | 14°32 | 3°51 | 3°42 | 1°40 | 27°30 | 15°47 | 3°54 | 5° 2 | 12°D18 | 11°57 | 0°12 | 24°24 | S 7 |
| S 8 | 7 13 48 | 18° 4'11 | 28°46 | 13°12 | 4°56 | 4°24 | 1°37 | 27°34 | 15°50 | 3°56 | 5° 5 | 12°18 | 11°54 | 0°18 | 24°28 | S 8 |
| M 9 | 7 17 45 | 19° 5'15 | 12♉12 | 11°57 | 6° 0 | 5° 7 | 1°34 | 27°38 | 15°54 | 3°58 | 5° 7 | 12°19 | 11°51 | 0°25 | 24°32 | M 9 |
| T 10 | 7 21 42 | 20° 6'18 | 25°21 | 10°49 | 7° 5 | 5°49 | 1°30 | 27°42 | 15°58 | 4° 0 | 5° 9 | 12°19 | 11°48 | 0°32 | 24°36 | T 10 |
| W11 | 7 25 38 | 21° 7'22 | 8♊14 | 9°50 | 8° 9 | 6°31 | 1°28 | 27°46 | 16° 1 | 4° 1 | 5°11 | 12°20 | 11°45 | 0°38 | 24°40 | W11 |
| T 12 | 7 29 35 | 22° 8'26 | 20°53 | 9° 1 | 9°12 | 7°14 | 1°25 | 27°51 | 16° 5 | 4° 3 | 5°13 | 12°21 | 11°41 | 0°45 | 24°44 | T 12 |
| F 13 | 7 33 31 | 23° 9'30 | 3♋21 | 8°23 | 10°15 | 7°56 | 1°22 | 27°55 | 16° 9 | 4° 5 | 5°16 | 12°22 | 11°38 | 0°52 | 24°49 | F 13 |
| S 14 | 7 37 28 | 24°10'35 | 15°38 | 7°55 | 11°18 | 8°38 | 1°20 | 27°59 | 16°12 | 4° 7 | 5°18 | 12°R22 | 11°35 | 0°58 | 24°53 | S 14 |
| S 15 | 7 41 24 | 25°11'39 | 27°46 | 7°37 | 12°21 | 9°21 | 1°18 | 28° 4 | 16°16 | 4° 9 | 5°20 | 12°21 | 11°32 | 1° 5 | 24°57 | S 15 |
| M16 | 7 45 21 | 26°12'44 | 9♌46 | 7°D30 | 13°23 | 10° 3 | 1°16 | 28° 9 | 16°19 | 4°11 | 5°22 | 12°20 | 11°29 | 1°12 | 25° 1 | M16 |
| T 17 | 7 49 18 | 27°13'49 | 21°41 | 7°32 | 14°25 | 10°45 | 1°15 | 28°13 | 16°23 | 4°12 | 5°24 | 12°18 | 11°26 | 1°18 | 25° 5 | T 17 |
| W18 | 7 53 14 | 28°14'54 | 3♍32 | 7°42 | 15°26 | 11°28 | 1°13 | 28°18 | 16°27 | 4°14 | 5°26 | 12°16 | 11°22 | 1°25 | 25°10 | W18 |
| T 19 | 7 57 11 | 29°15'59 | 15°22 | 8° 1 | 16°27 | 12°10 | 1°12 | 28°23 | 16°30 | 4°16 | 5°29 | 12°13 | 11°19 | 1°32 | 25°14 | T 19 |
| F 20 | 8 1 7 | 0♒17'04 | 27°14 | 8°26 | 17°28 | 12°52 | 1°11 | 28°28 | 16°34 | 4°18 | 5°31 | 12°10 | 11°16 | 1°39 | 25°18 | F 20 |
| S 21 | 8 5 4 | 1°18'10 | 9♎11 | 8°59 | 18°28 | 13°35 | 1°10 | 28°33 | 16°37 | 4°20 | 5°33 | 12° 8 | 11°13 | 1°45 | 25°23 | S 21 |
| S 22 | 8 9 0 | 2°19'15 | 21°18 | 9°37 | 19°28 | 14°17 | 1° 9 | 28°38 | 16°41 | 4°22 | 5°35 | 12° 6 | 11°10 | 1°52 | 25°27 | S 22 |
| M23 | 8 12 57 | 3°20'21 | 3♏38 | 10°20 | 20°27 | 14°59 | 1° 9 | 28°43 | 16°44 | 4°24 | 5°37 | 12°D 6 | 11° 7 | 1°59 | 25°31 | M23 |
| T 24 | 8 16 53 | 4°21'28 | 16°17 | 11° 9 | 21°26 | 15°42 | 1° 9 | 28°48 | 16°48 | 4°26 | 5°39 | 12° 7 | 11° 3 | 2° 5 | 25°36 | T 24 |
| W25 | 8 20 50 | 5°22'34 | 29°17 | 12° 1 | 22°25 | 16°24 | 1°D 9 | 28°54 | 16°51 | 4°28 | 5°41 | 12° 8 | 11° 0 | 2°12 | 25°40 | W25 |
| T 26 | 8 24 46 | 6°23'40 | 12♐44 | 12°57 | 23°22 | 17° 6 | 1° 9 | 28°59 | 16°55 | 4°30 | 5°43 | 12° 9 | 10°57 | 2°19 | 25°45 | T 26 |
| F 27 | 8 28 43 | 7°24'47 | 26°37 | 13°57 | 24°20 | 17°49 | 1° 9 | 29° 4 | 16°58 | 4°32 | 5°45 | 12°11 | 10°54 | 2°25 | 25°49 | F 27 |
| S 28 | 8 32 40 | 8°25'54 | 10♑58 | 15° 0 | 25°17 | 18°31 | 1°10 | 29°10 | 17° 2 | 4°34 | 5°47 | 12°R11 | 10°51 | 2°32 | 25°54 | S 28 |
| S 29 | 8 36 36 | 9°27'00 | 25°42 | 16° 5 | 26°13 | 19°14 | 1°11 | 29°15 | 17° 5 | 4°37 | 5°49 | 12°11 | 10°47 | 2°39 | 25°58 | S 29 |
| M30 | 8 40 33 | 10°28'06 | 10♒45 | 17°13 | 27° 8 | 19°56 | 1°12 | 29°21 | 17° 9 | 4°39 | 5°51 | 12° 9 | 10°44 | 2°45 | 26° 3 | M30 |
| T 31 | 8 44 29 | 11♒29'11 | 25♒56 | 18♑23 | 28♓ 3 | 20♈38 | 1♊13 | 29♓27 | 17♑12 | 4♓41 | 5♑53 | 12♑ 5 | 10♑41 | 2♍52 | 26♒ 7 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s52 | 21s39 | 0n30 | 20s47 | 0n46 | 14s 8 | 1s54 | 0s42 | 0s33 | 19n30 | 0s59 | 3s 3 | 2s 5 | 22s45 | 0s20 | 10s25 | 0s21 | 14s58 | 8n16 | 22s45 | 22s45 | 8n 2 | 7s35 | 6n12 |
| M 2 | 22 47 | 17 43 | 1 50 | 20 36 | 1 6 | 13 43 | 1 51 | 0 24 | 0 31 | 19 29 | 0 59 | 3 2 | 2 5 | 22 45 | 0 20 | 10 24 | 0 21 | 14 58 | 8 16 | 22 45 | 22 45 | 7 59 | 7 34 | 6 12 |
| T 3 | 22 41 | 12 39 | 3 3 | 20 26 | 1 26 | 13 17 | 1 48 | 0 6 | 0 30 | 19 29 | 0 59 | 3 0 | 2 5 | 22 44 | 0 20 | 10 24 | 0 21 | 14 58 | 8 16 | 22 45 | 22 45 | 7 56 | 7 33 | 6 11 |
| W 4 | 22 35 | 6 54 | 4 3 | 20 18 | 1 45 | 12 50 | 1 45 | 0n12 | 0 28 | 19 28 | 0 59 | 2 59 | 2 5 | 22 44 | 0 20 | 10 23 | 0 21 | 14 58 | 8 16 | 22 45 | 22 46 | 7 53 | 7 32 | 6 11 |
| T 5 | 22 28 | 0 50 | 4 46 | 20 11 | 2 3 | 12 24 | 1 41 | 0 30 | 0 27 | 19 28 | 0 58 | 2 57 | 2 5 | 22 44 | 0 20 | 10 22 | 0 21 | 14 58 | 8 15 | 22 45 | 22 46 | 7 50 | 7 31 | 6 11 |
| F 6 | 22 21 | 5n10 | 5 11 | 20 4 | 2 19 | 11 57 | 1 38 | 0 48 | 0 26 | 19 27 | 0 58 | 2 55 | 2 5 | 22 43 | 0 20 | 10 22 | 0 21 | 14 58 | 8 15 | 22 45 | 22 46 | 7 47 | 7 30 | 6 11 |
| S 7 | 22 14 | 10 46 | 5 17 | 19 59 | 2 33 | 11 30 | 1 34 | 1 6 | 0 24 | 19 27 | 0 58 | 2 54 | 2 4 | 22 43 | 0 20 | 10 21 | 0 21 | 14 58 | 8 15 | 22 45 | 22 47 | 7 45 | 7 29 | 6 10 |
| S 8 | 22 6 | 15 43 | 5 5 | 19 55 | 2 45 | 11 3 | 1 30 | 1 24 | 0 23 | 19 26 | 0 57 | 2 52 | 2 4 | 22 42 | 0 20 | 10 21 | 0 21 | 14 58 | 8 15 | 22 45 | 22 47 | 7 42 | 7 28 | 6 10 |
| M 9 | 21 58 | 19 47 | 4 35 | 19 53 | 2 55 | 10 35 | 1 26 | 1 41 | 0 22 | 19 26 | 0 57 | 2 50 | 2 4 | 22 42 | 0 20 | 10 20 | 0 21 | 14 58 | 8 15 | 22 45 | 22 47 | 7 39 | 7 27 | 6 10 |
| T 10 | 21 49 | 22 45 | 3 52 | 19 51 | 3 2 | 10 8 | 1 22 | 1 59 | 0 20 | 19 25 | 0 57 | 2 48 | 2 4 | 22 42 | 0 20 | 10 19 | 0 21 | 14 58 | 8 15 | 22 45 | 22 47 | 7 36 | 7 26 | 6 9 |
| W11 | 21 40 | 24 30 | 2 58 | 19 51 | 3 6 | 9 40 | 1 17 | 2 17 | 0 19 | 19 25 | 0 57 | 2 47 | 2 4 | 22 41 | 0 20 | 10 19 | 0 21 | 14 58 | 8 15 | 22 44 | 22 48 | 7 33 | 7 25 | 6 9 |
| T 12 | 21 30 | 24 56 | 1 56 | 19 52 | 3 8 | 9 12 | 1 13 | 2 35 | 0 18 | 19 25 | 0 56 | 2 45 | 2 4 | 22 41 | 0 20 | 10 18 | 0 21 | 14 58 | 8 15 | 22 44 | 22 48 | 7 30 | 7 24 | 6 9 |
| F 13 | 21 20 | 24 6 | 0 50 | 19 55 | 3 8 | 8 44 | 1 8 | 2 53 | 0 16 | 19 24 | 0 56 | 2 43 | 2 3 | 22 40 | 0 20 | 10 17 | 0 21 | 14 58 | 8 15 | 22 44 | 22 48 | 7 27 | 7 23 | 6 9 |
| S 14 | 21 10 | 22 6 | 0s18 | 19 58 | 3 7 | 8 16 | 1 3 | 3 11 | 0 15 | 19 24 | 0 56 | 2 41 | 2 3 | 22 40 | 0 20 | 10 17 | 0 21 | 14 57 | 8 15 | 22 44 | 22 49 | 7 24 | 7 22 | 6 8 |
| S 15 | 20 59 | 19 7 | 1 24 | 20 3 | 3 3 | 7 47 | 0 58 | 3 28 | 0 14 | 19 24 | 0 56 | 2 39 | 2 3 | 22 39 | 0 20 | 10 16 | 0 21 | 14 57 | 8 15 | 22 44 | 22 49 | 7 22 | 7 21 | 6 8 |
| M16 | 20 48 | 15 22 | 2 26 | 20 8 | 2 59 | 7 19 | 0 53 | 3 46 | 0 12 | 19 24 | 0 55 | 2 37 | 2 3 | 22 39 | 0 20 | 10 15 | 0 21 | 14 57 | 8 15 | 22 45 | 22 49 | 7 19 | 7 19 | 6 8 |
| T 17 | 20 36 | 11 2 | 3 21 | 20 13 | 2 53 | 6 50 | 0 48 | 4 4 | 0 11 | 19 24 | 0 55 | 2 35 | 2 3 | 22 39 | 0 20 | 10 15 | 0 21 | 14 57 | 8 15 | 22 45 | 22 49 | 7 16 | 7 18 | 6 8 |
| W18 | 20 24 | 6 19 | 4 7 | 20 20 | 2 46 | 6 22 | 0 43 | 4 21 | 0 10 | 19 24 | 0 55 | 2 33 | 2 3 | 22 38 | 0 20 | 10 14 | 0 21 | 14 57 | 8 15 | 22 45 | 22 50 | 7 13 | 7 17 | 6 7 |
| T 19 | 20 12 | 1 24 | 4 42 | 20 26 | 2 38 | 5 53 | 0 37 | 4 39 | 0 9 | 19 24 | 0 55 | 2 31 | 2 3 | 22 38 | 0 20 | 10 13 | 0 21 | 14 57 | 8 15 | 22 45 | 22 50 | 7 10 | 7 16 | 6 7 |
| F 20 | 19 59 | 3s34 | 5 5 | 20 33 | 2 30 | 5 24 | 0 31 | 4 57 | 0 7 | 19 24 | 0 54 | 2 29 | 2 2 | 22 37 | 0 20 | 10 13 | 0 21 | 14 57 | 8 15 | 22 45 | 22 50 | 7 7 | 7 15 | 6 7 |
| S 21 | 19 46 | 8 27 | 5 15 | 20 40 | 2 21 | 4 55 | 0 25 | 5 14 | 0 6 | 19 24 | 0 54 | 2 27 | 2 2 | 22 37 | 0 20 | 10 12 | 0 21 | 14 57 | 8 15 | 22 46 | 22 50 | 7 4 | 7 14 | 6 7 |
| S 22 | 19 32 | 13 4 | 5 11 | 20 46 | 2 12 | 4 27 | 0 19 | 5 31 | 0 5 | 19 24 | 0 54 | 2 25 | 2 2 | 22 36 | 0 20 | 10 11 | 0 21 | 14 57 | 8 15 | 22 46 | 22 51 | 7 2 | 7 12 | 6 7 |
| M23 | 19 18 | 17 16 | 4 53 | 20 52 | 2 3 | 3 58 | 0 13 | 5 49 | 0 4 | 19 24 | 0 53 | 2 23 | 2 2 | 22 36 | 0 20 | 10 10 | 0 21 | 14 57 | 8 15 | 22 46 | 22 51 | 6 59 | 7 11 | 6 6 |
| T 24 | 19 4 | 20 47 | 4 21 | 20 58 | 1 53 | 3 29 | 0 7 | 6 6 | 0 3 | 19 25 | 0 53 | 2 20 | 2 2 | 22 36 | 0 20 | 10 10 | 0 21 | 14 57 | 8 15 | 22 46 | 22 51 | 6 56 | 7 10 | 6 6 |
| W25 | 18 49 | 23 23 | 3 35 | 21 3 | 1 44 | 3 0 | 0 0 | 6 23 | 0 2 | 19 25 | 0 53 | 2 18 | 2 2 | 22 35 | 0 20 | 10 9 | 0 21 | 14 56 | 8 15 | 22 46 | 22 51 | 6 53 | 7 8 | 6 6 |
| T 26 | 18 34 | 24 46 | 2 35 | 21 7 | 1 34 | 2 31 | 0n 6 | 6 41 | 0 0 | 19 25 | 0 53 | 2 16 | 2 2 | 22 35 | 0 20 | 10 8 | 0 21 | 14 56 | 8 15 | 22 45 | 22 52 | 6 50 | 7 7 | 6 6 |
| F 27 | 18 19 | 24 41 | 1 25 | 21 11 | 1 25 | 2 2 | 0 13 | 6 58 | 0n 1 | 19 26 | 0 52 | 2 14 | 2 2 | 22 34 | 0 20 | 10 8 | 0 21 | 14 56 | 8 15 | 22 45 | 22 52 | 6 47 | 7 6 | 6 6 |
| S 28 | 18 3 | 22 58 | 0 7 | 21 14 | 1 15 | 1 34 | 0 20 | 7 15 | 0 2 | 19 26 | 0 52 | 2 11 | 2 1 | 22 34 | 0 20 | 10 7 | 0 21 | 14 56 | 8 16 | 22 45 | 22 52 | 6 44 | 7 5 | 6 5 |
| S 29 | 17 48 | 19 41 | 1n14 | 21 16 | 1 5 | 1 5 | 0 27 | 7 32 | 0 3 | 19 26 | 0 52 | 2 9 | 2 1 | 22 34 | 0 20 | 10 6 | 0 21 | 14 56 | 8 16 | 22 45 | 22 52 | 6 41 | 7 3 | 6 5 |
| M30 | 17 31 | 15 2 | 2 30 | 21 17 | 0 56 | 0 36 | 0 35 | 7 49 | 0 4 | 19 27 | 0 52 | 2 7 | 2 1 | 22 33 | 0 20 | 10 5 | 0 21 | 14 56 | 8 16 | 22 46 | 22 53 | 6 39 | 7 2 | 6 5 |
| T 31 | 17s15 | 9s24 | 3n37 | 21s17 | 0n47 | 0s 8 | 0n42 | 8n 6 | 0n 5 | 19n27 | 0s51 | 2s 4 | 2s 1 | 22s33 | 0s20 | 10s 4 | 0s21 | 14s56 | 8n16 | 22s46 | 22s53 | 6n36 | 7s 1 | 6n 5 |

Julian Day Number = 2815692.5, Delta T = 54m32s
Ecliptic obliquity = 23°18'38, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°41'50, Lahiri = 37°48'50


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# ASTRODIENST EPHEMERIS for the year 2997
# geocentric

## FEBRUARY 2997 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 8 48 26 | 12♒30'16 | 11♓ 6 | 19♑35 | 28♓58 | 21♈21 | 1♊14 | 29♓32 | 17♑15 | 4♓43 | 5♑55 | 12°R 1 | 10♑38 | 2♍59 | 26♒12 | W 1 |
| T 2 | 8 52 22 | 13°31'21 | 26° 5 | 20°49 | 29°51 | 22° 3 | 1°16 | 29°38 | 17°19 | 4°45 | 5°57 | 11♑56 | 10°35 | 3° 6 | 26°16 | T 2 |
| F 3 | 8 56 19 | 14°32'24 | 10♈45 | 22° 4 | 0♈44 | 22°46 | 1°18 | 29°44 | 17°22 | 4°47 | 5°59 | 11°52 | 10°32 | 3°12 | 26°21 | F 3 |
| S 4 | 9 0 16 | 15°33'27 | 25° 1 | 23°21 | 1°37 | 23°28 | 1°20 | 29°50 | 17°25 | 4°49 | 6° 1 | 11°49 | 10°28 | 3°19 | 26°26 | S 4 |
| S 5 | 9 4 12 | 16°34'29 | 8♉51 | 24°39 | 2°28 | 24°10 | 1°22 | 29°56 | 17°29 | 4°52 | 6° 2 | 11°47 | 10°25 | 3°26 | 26°30 | S 5 |
| M 6 | 9 8 9 | 17°35'31 | 22°15 | 25°59 | 3°19 | 24°53 | 1°25 | 0♈ 2 | 17°32 | 4°54 | 6° 4 | 11°D47 | 10°22 | 3°32 | 26°35 | M 6 |
| T 7 | 9 12 5 | 18°36'31 | 5♊16 | 27°20 | 4° 9 | 25°35 | 1°27 | 0° 8 | 17°35 | 4°56 | 6° 6 | 11°48 | 10°19 | 3°39 | 26°39 | T 7 |
| W 8 | 9 16 2 | 19°37'30 | 17°57 | 28°42 | 4°58 | 26°17 | 1°30 | 0°14 | 17°39 | 4°58 | 6° 8 | 11°50 | 10°16 | 3°46 | 26°44 | W 8 |
| T 9 | 9 19 58 | 20°38'29 | 0♋22 | 0♒ 5 | 5°46 | 27° 0 | 1°33 | 0°21 | 17°42 | 5° 0 | 6°10 | 11°51 | 10°13 | 3°52 | 26°49 | T 9 |
| F 10 | 9 23 55 | 21°39'26 | 12°35 | 1°28 | 6°33 | 27°42 | 1°36 | 0°27 | 17°45 | 5° 3 | 6°11 | 11°R52 | 10° 9 | 3°59 | 26°53 | F 10 |
| S 11 | 9 27 51 | 22°40'23 | 24°39 | 2°53 | 7°20 | 28°24 | 1°40 | 0°33 | 17°48 | 5° 5 | 6°13 | 11°51 | 10° 6 | 4° 6 | 26°58 | S 11 |
| S 12 | 9 31 48 | 23°41'18 | 6♌36 | 4°19 | 8° 5 | 29° 6 | 1°44 | 0°39 | 17°51 | 5° 7 | 6°15 | 11°48 | 10° 3 | 4°13 | 27° 3 | S 12 |
| M13 | 9 35 45 | 24°42'13 | 18°30 | 5°46 | 8°49 | 29°49 | 1°47 | 0°46 | 17°54 | 5° 9 | 6°16 | 11°43 | 10° 0 | 4°19 | 27° 7 | M13 |
| T 14 | 9 39 41 | 25°43'07 | 0♍21 | 7°13 | 9°33 | 0♉31 | 1°51 | 0°52 | 17°57 | 5°12 | 6°18 | 11°36 | 9°57 | 4°26 | 27°12 | T 14 |
| W15 | 9 43 38 | 26°43'59 | 12°12 | 8°41 | 10°15 | 1°13 | 1°56 | 0°59 | 18° 0 | 5°14 | 6°20 | 11°27 | 9°53 | 4°33 | 27°16 | W15 |
| T 16 | 9 47 34 | 27°44'51 | 24° 4 | 10°11 | 10°56 | 1°55 | 2° 0 | 1° 5 | 18° 3 | 5°16 | 6°21 | 11°18 | 9°50 | 4°39 | 27°21 | T 16 |
| F 17 | 9 51 31 | 28°45'42 | 6♎ 0 | 11°40 | 11°36 | 2°37 | 2° 5 | 1°12 | 18° 6 | 5°18 | 6°23 | 11° 8 | 9°47 | 4°46 | 27°26 | F 17 |
| S 18 | 9 55 27 | 29°46'33 | 18° 0 | 13°11 | 12°14 | 3°20 | 2° 9 | 1°18 | 18° 9 | 5°21 | 6°24 | 11° 0 | 9°44 | 4°53 | 27°30 | S 18 |
| S 19 | 9 59 24 | 0♓47'22 | 0♏ 9 | 14°43 | 12°51 | 4° 2 | 2°14 | 1°25 | 18°12 | 5°23 | 6°26 | 10°53 | 9°41 | 4°59 | 27°35 | S 19 |
| M20 | 10 3 20 | 1°48'11 | 12°28 | 16°15 | 13°27 | 4°44 | 2°19 | 1°32 | 18°15 | 5°25 | 6°27 | 10°49 | 9°38 | 5° 6 | 27°40 | M20 |
| T 21 | 10 7 17 | 2°48'59 | 25° 2 | 17°48 | 14° 2 | 5°26 | 2°25 | 1°39 | 18°18 | 5°27 | 6°29 | 10°47 | 9°34 | 5°13 | 27°44 | T 21 |
| W22 | 10 11 13 | 3°49'46 | 7♐55 | 19°21 | 14°35 | 6° 8 | 2°30 | 1°45 | 18°21 | 5°30 | 6°30 | 10°D47 | 9°31 | 5°19 | 27°49 | W22 |
| T 23 | 10 15 10 | 4°50'32 | 21°11 | 20°56 | 15° 6 | 6°50 | 2°36 | 1°52 | 18°24 | 5°32 | 6°32 | 10°47 | 9°28 | 5°26 | 27°53 | T 23 |
| F 24 | 10 19 7 | 5°51'17 | 4♑54 | 22°31 | 15°36 | 7°32 | 2°42 | 1°59 | 18°26 | 5°34 | 6°33 | 10°R48 | 9°25 | 5°33 | 27°58 | F 24 |
| S 25 | 10 23 3 | 6°52'02 | 19° 3 | 24° 7 | 16° 5 | 8°14 | 2°48 | 2° 6 | 18°29 | 5°37 | 6°34 | 10°48 | 9°22 | 5°40 | 28° 3 | S 25 |
| S 26 | 10 27 0 | 7°52'45 | 3♒40 | 25°44 | 16°32 | 8°56 | 2°54 | 2°13 | 18°32 | 5°39 | 6°36 | 10°46 | 9°19 | 5°46 | 28° 7 | S 26 |
| M27 | 10 30 56 | 8°53'27 | 18°40 | 27°22 | 16°56 | 9°38 | 3° 0 | 2°20 | 18°34 | 5°41 | 6°37 | 10°41 | 9°15 | 5°53 | 28°12 | M27 |
| T 28 | 10 34 53 | 9♓54'08 | 3♓55 | 29♒ 1 | 17♈20 | 10♉20 | 3♊ 6 | 2♈27 | 18♑37 | 5♓43 | 6♑38 | 10♑34 | 9♑12 | 6♍ 0 | 28♒16 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 16s58 | 3s13 | 4n28 | 21s16 | 0n37 | 0n21 | 0n50 | 8n23 | 0n 6 | 19n28 | 0s51 | 2s 2 | 2s 1 | 22s32 | 0s20 | 10s 4 | 0s21 | 14s55 | 8n16 | 22s46 | 22s53 | 6n33 | 6s59 | 6n 5 | W 1 |
| T 2 | 16 40 | 3n 3 | 5 1 | 21 15 | 0 28 | 0 49 | 0 57 | 8 39 | 0 7 | 19 28 | 0 51 | 2 0 | 2 1 | 22 32 | 0 20 | 10 3 | 0 21 | 14 55 | 8 16 | 22 47 | 22 53 | 6 30 | 6 58 | 6 5 | T 2 |
| F 3 | 16 23 | 9 1 | 5 12 | 21 12 | 0 19 | 1 17 | 1 5 | 8 56 | 0 8 | 19 29 | 0 51 | 1 57 | 2 1 | 22 31 | 0 20 | 10 2 | 0 21 | 14 55 | 8 16 | 22 47 | 22 54 | 6 27 | 6 56 | 6 5 | F 3 |
| S 4 | 16 5 | 14 21 | 5 4 | 21 8 | 0 11 | 1 45 | 1 13 | 9 12 | 0 9 | 19 30 | 0 50 | 1 55 | 2 1 | 22 31 | 0 20 | 10 1 | 0 21 | 14 55 | 8 16 | 22 47 | 22 54 | 6 24 | 6 55 | 6 4 | S 4 |
| S 5 | 15 47 | 18 46 | 4 38 | 21 3 | 0 2 | 2 13 | 1 21 | 9 29 | 0 10 | 19 31 | 0 50 | 1 52 | 2 1 | 22 31 | 0 20 | 10 1 | 0 21 | 14 55 | 8 16 | 22 47 | 22 54 | 6 21 | 6 54 | 6 4 | S 5 |
| M 6 | 15 29 | 22 4 | 3 58 | 20 56 | 0s 6 | 2 41 | 1 30 | 9 45 | 0 11 | 19 31 | 0 50 | 1 50 | 2 0 | 22 30 | 0 20 | 10 0 | 0 21 | 14 55 | 8 16 | 22 47 | 22 54 | 6 18 | 6 52 | 6 4 | M 6 |
| T 7 | 15 10 | 24 7 | 3 6 | 20 49 | 0 14 | 3 9 | 1 38 | 10 2 | 0 12 | 19 32 | 0 49 | 1 47 | 2 0 | 22 30 | 0 20 | 9 59 | 0 21 | 14 55 | 8 16 | 22 47 | 22 55 | 6 16 | 6 51 | 6 4 | T 7 |
| W 8 | 14 51 | 24 52 | 2 7 | 20 40 | 0 22 | 3 36 | 1 47 | 10 18 | 0 13 | 19 33 | 0 49 | 1 45 | 2 0 | 22 29 | 0 20 | 9 58 | 0 21 | 14 54 | 8 16 | 22 47 | 22 55 | 6 13 | 6 49 | 6 4 | W 8 |
| T 9 | 14 32 | 24 21 | 1 2 | 20 31 | 0 30 | 4 3 | 1 56 | 10 34 | 0 14 | 19 34 | 0 49 | 1 42 | 2 0 | 22 29 | 0 20 | 9 57 | 0 21 | 14 54 | 8 16 | 22 47 | 22 55 | 6 10 | 6 48 | 6 4 | T 9 |
| F 10 | 14 13 | 22 39 | 0s 4 | 20 20 | 0 37 | 4 30 | 2 5 | 10 50 | 0 15 | 19 35 | 0 49 | 1 40 | 2 0 | 22 29 | 0 20 | 9 57 | 0 21 | 14 54 | 8 16 | 22 47 | 22 55 | 6 7 | 6 46 | 6 4 | F 10 |
| S 11 | 13 53 | 19 57 | 1 9 | 20 8 | 0 45 | 4 57 | 2 14 | 11 6 | 0 16 | 19 36 | 0 48 | 1 37 | 2 0 | 22 28 | 0 20 | 9 56 | 0 21 | 14 54 | 8 17 | 22 47 | 22 56 | 6 4 | 6 45 | 6 4 | S 11 |
| S 12 | 13 33 | 16 25 | 2 10 | 19 55 | 0 51 | 5 23 | 2 23 | 11 22 | 0 17 | 19 37 | 0 48 | 1 35 | 2 0 | 22 28 | 0 20 | 9 55 | 0 21 | 14 54 | 8 17 | 22 47 | 22 56 | 6 1 | 6 44 | 6 4 | S 12 |
| M13 | 13 13 | 12 16 | 3 5 | 19 40 | 0 58 | 5 49 | 2 32 | 11 37 | 0 18 | 19 38 | 0 48 | 1 32 | 2 0 | 22 27 | 0 20 | 9 54 | 0 21 | 14 53 | 8 17 | 22 48 | 22 56 | 5 58 | 6 42 | 6 4 | M13 |
| T 14 | 12 53 | 7 40 | 3 52 | 19 25 | 1 5 | 6 15 | 2 42 | 11 53 | 0 19 | 19 39 | 0 48 | 1 29 | 2 0 | 22 27 | 0 20 | 9 53 | 0 21 | 14 53 | 8 17 | 22 48 | 22 56 | 5 55 | 6 41 | 6 4 | T 14 |
| W15 | 12 32 | 2 48 | 4 29 | 19 8 | 1 11 | 6 40 | 2 51 | 12 9 | 0 20 | 19 40 | 0 47 | 1 27 | 2 0 | 22 27 | 0 20 | 9 53 | 0 21 | 14 53 | 8 17 | 22 49 | 22 57 | 5 53 | 6 39 | 6 3 | W15 |
| T 16 | 12 11 | 2s 9 | 4 53 | 18 50 | 1 17 | 7 5 | 3 1 | 12 24 | 0 21 | 19 41 | 0 47 | 1 24 | 2 0 | 22 26 | 0 20 | 9 52 | 0 21 | 14 53 | 8 17 | 22 50 | 22 57 | 5 50 | 6 38 | 6 3 | T 16 |
| F 17 | 11 51 | 7 3 | 5 6 | 18 31 | 1 22 | 7 30 | 3 11 | 12 39 | 0 21 | 19 42 | 0 47 | 1 21 | 2 0 | 22 26 | 0 20 | 9 51 | 0 21 | 14 53 | 8 17 | 22 51 | 22 57 | 5 47 | 6 36 | 6 3 | F 17 |
| S 18 | 11 29 | 11 43 | 5 5 | 18 10 | 1 28 | 7 54 | 3 21 | 12 54 | 0 22 | 19 43 | 0 47 | 1 19 | 2 0 | 22 26 | 0 21 | 9 50 | 0 21 | 14 53 | 8 17 | 22 51 | 22 57 | 5 44 | 6 35 | 6 3 | S 18 |
| S 19 | 11 8 | 15 59 | 4 50 | 17 49 | 1 33 | 8 18 | 3 31 | 13 9 | 0 23 | 19 44 | 0 46 | 1 16 | 1 59 | 22 25 | 0 21 | 9 49 | 0 21 | 14 52 | 8 17 | 22 52 | 22 58 | 5 41 | 6 33 | 6 3 | S 19 |
| M20 | 10 47 | 19 39 | 4 22 | 17 26 | 1 37 | 8 41 | 3 42 | 13 24 | 0 24 | 19 46 | 0 46 | 1 13 | 1 59 | 22 25 | 0 21 | 9 48 | 0 21 | 14 52 | 8 18 | 22 52 | 22 58 | 5 38 | 6 32 | 6 3 | M20 |
| T 21 | 10 25 | 22 29 | 3 41 | 17 2 | 1 42 | 9 4 | 3 52 | 13 39 | 0 25 | 19 47 | 0 46 | 1 11 | 1 59 | 22 24 | 0 21 | 9 48 | 0 21 | 14 52 | 8 18 | 22 53 | 22 58 | 5 35 | 6 30 | 6 3 | T 21 |
| W22 | 10 3 | 24 16 | 2 47 | 16 37 | 1 46 | 9 27 | 4 3 | 13 54 | 0 26 | 19 48 | 0 46 | 1 8 | 1 59 | 22 24 | 0 21 | 9 47 | 0 21 | 14 52 | 8 18 | 22 53 | 22 58 | 5 32 | 6 28 | 6 3 | W22 |
| T 23 | 9 41 | 24 44 | 1 43 | 16 11 | 1 50 | 9 49 | 4 13 | 14 8 | 0 26 | 19 49 | 0 45 | 1 5 | 1 59 | 22 24 | 0 21 | 9 46 | 0 21 | 14 52 | 8 18 | 22 52 | 22 58 | 5 30 | 6 27 | 6 3 | T 23 |
| F 24 | 9 19 | 23 45 | 0 32 | 15 43 | 1 53 | 10 10 | 4 24 | 14 23 | 0 27 | 19 51 | 0 45 | 1 2 | 1 59 | 22 23 | 0 21 | 9 45 | 0 22 | 14 51 | 8 18 | 22 52 | 22 59 | 5 27 | 6 25 | 6 3 | F 24 |
| S 25 | 8 57 | 21 14 | 0n44 | 15 14 | 1 56 | 10 31 | 4 35 | 14 37 | 0 28 | 19 52 | 0 45 | 1 0 | 1 59 | 22 23 | 0 21 | 9 44 | 0 22 | 14 51 | 8 18 | 22 52 | 22 59 | 5 24 | 6 24 | 6 3 | S 25 |
| S 26 | 8 34 | 17 18 | 1 59 | 14 45 | 1 59 | 10 51 | 4 45 | 14 51 | 0 29 | 19 54 | 0 45 | 0 57 | 1 59 | 22 23 | 0 21 | 9 43 | 0 22 | 14 51 | 8 18 | 22 53 | 22 59 | 5 21 | 6 22 | 6 3 | S 26 |
| M27 | 8 12 | 12 10 | 3 8 | 14 14 | 2 2 | 11 11 | 4 56 | 15 5 | 0 30 | 19 55 | 0 44 | 0 54 | 1 59 | 22 22 | 0 21 | 9 43 | 0 22 | 14 51 | 8 19 | 22 53 | 22 59 | 5 18 | 6 21 | 6 3 | M27 |
| T 28 | 7s49 | 6s13 | 4n 4 | 13s41 | 2s 4 | 11n30 | 5n 7 | 15n19 | 0n30 | 19n57 | 0s44 | 0s51 | 1s59 | 22s22 | 0s21 | 9s42 | 0s22 | 14s51 | 8n19 | 22s54 | 23s 0 | 5n15 | 6s19 | 6n 3 | T 28 |

Julian Day Number = 2815723.5, Delta T = 54m33s
Ecliptic obliquity = 23°18'38, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°41'54, Lahiri = 37°48'55


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# ASTRODIENST EPHEMERIS for the year 2997
# geocentric

## MARCH 2997 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 38 49 | 10♓54'48 | 19♓15 | 0♓40 | 17♈41 | 11♉ 2 | 3♊13 | 2♈34 | 18♑40 | 5♓46 | 6♑40 | 10°R25 | 9♑ 9 | 6♍ 6 | 28♒21 | W 1 |
| T 2 | 10 42 46 | 11°55'26 | 4♈28 | 2°20 | 18° 0 | 11°44 | 3°20 | 2°41 | 18°42 | 5°48 | 6°41 | 10♑16 | 9° 6 | 6°13 | 28°25 | T 2 |
| F 3 | 10 46 42 | 12°56'03 | 19°25 | 4° 1 | 18°18 | 12°26 | 3°27 | 2°48 | 18°45 | 5°50 | 6°42 | 10° 6 | 9° 3 | 6°20 | 28°30 | F 3 |
| S 4 | 10 50 39 | 13°56'38 | 3♉56 | 5°43 | 18°33 | 13° 8 | 3°34 | 2°55 | 18°47 | 5°53 | 6°43 | 9°59 | 8°59 | 6°26 | 28°35 | S 4 |
| S 5 | 10 54 36 | 14°57'12 | 17°58 | 7°26 | 18°46 | 13°50 | 3°41 | 3° 2 | 18°49 | 5°55 | 6°44 | 9°53 | 8°56 | 6°33 | 28°39 | S 5 |
| M 6 | 10 58 32 | 15°57'44 | 1♊30 | 9°10 | 18°57 | 14°31 | 3°49 | 3° 9 | 18°52 | 5°57 | 6°45 | 9°50 | 8°53 | 6°40 | 28°44 | M 6 |
| T 7 | 11 2 29 | 16°58'14 | 14°34 | 10°55 | 19° 6 | 15°13 | 3°56 | 3°16 | 18°54 | 5°59 | 6°46 | 9°D49 | 8°50 | 6°47 | 28°48 | T 7 |
| W 8 | 11 6 25 | 17°58'43 | 27°14 | 12°40 | 19°12 | 15°55 | 4° 4 | 3°24 | 18°56 | 6° 2 | 6°47 | 9°49 | 8°47 | 6°53 | 28°52 | W 8 |
| T 9 | 11 10 22 | 18°59'09 | 9♋35 | 14°27 | 19°16 | 16°37 | 4°12 | 3°31 | 18°59 | 6° 4 | 6°48 | 9°R50 | 8°44 | 7° 0 | 28°57 | T 9 |
| F 10 | 11 14 18 | 19°59'34 | 21°41 | 16°14 | 19°R18 | 17°19 | 4°20 | 3°38 | 19° 1 | 6° 6 | 6°49 | 9°49 | 8°40 | 7° 7 | 29° 1 | F 10 |
| S 11 | 11 18 15 | 20°59'57 | 3♌38 | 18° 3 | 19°17 | 18° 0 | 4°28 | 3°45 | 19° 3 | 6° 8 | 6°50 | 9°46 | 8°37 | 7°13 | 29° 6 | S 11 |
| S 12 | 11 22 11 | 22° 0'18 | 15°30 | 19°52 | 19°14 | 18°42 | 4°36 | 3°53 | 19° 5 | 6°10 | 6°51 | 9°41 | 8°34 | 7°20 | 29°10 | S 12 |
| M13 | 11 26 8 | 23° 0'37 | 27°20 | 21°42 | 19° 8 | 19°24 | 4°45 | 4° 0 | 19° 7 | 6°13 | 6°52 | 9°33 | 8°31 | 7°27 | 29°14 | M13 |
| T 14 | 11 30 5 | 24° 0'55 | 9♍10 | 23°34 | 19° 0 | 20° 5 | 4°53 | 4° 7 | 19° 9 | 6°15 | 6°53 | 9°22 | 8°28 | 7°33 | 29°19 | T 14 |
| W15 | 11 34 1 | 25° 1'11 | 21° 3 | 25°26 | 18°49 | 20°47 | 5° 2 | 4°14 | 19°11 | 6°17 | 6°54 | 9° 9 | 8°24 | 7°40 | 29°23 | W15 |
| T 16 | 11 37 58 | 26° 1'25 | 3♎ 0 | 27°19 | 18°35 | 21°28 | 5°11 | 4°22 | 19°13 | 6°19 | 6°55 | 8°54 | 8°21 | 7°47 | 29°27 | T 16 |
| F 17 | 11 41 54 | 27° 1'37 | 15° 3 | 29°13 | 18°19 | 22°10 | 5°20 | 4°29 | 19°15 | 6°21 | 6°55 | 8°40 | 8°18 | 7°54 | 29°31 | F 17 |
| S 18 | 11 45 51 | 28° 1'48 | 27°12 | 1♈ 7 | 18° 1 | 22°51 | 5°29 | 4°36 | 19°17 | 6°24 | 6°56 | 8°27 | 8°15 | 8° 0 | 29°36 | S 18 |
| S 19 | 11 49 47 | 29° 1'57 | 9♏29 | 3° 2 | 17°40 | 23°33 | 5°38 | 4°44 | 19°19 | 6°26 | 6°57 | 8°17 | 8°12 | 8° 7 | 29°40 | S 19 |
| M20 | 11 53 44 | 0♈ 2'05 | 21°55 | 4°58 | 17°17 | 24°14 | 5°48 | 4°51 | 19°21 | 6°28 | 6°57 | 8° 9 | 8° 9 | 8°14 | 29°44 | M20 |
| T 21 | 11 57 40 | 1° 2'11 | 4♐34 | 6°54 | 16°52 | 24°56 | 5°57 | 4°59 | 19°22 | 6°30 | 6°58 | 8° 4 | 8° 5 | 8°20 | 29°48 | T 21 |
| W22 | 12 1 37 | 2° 2'16 | 17°27 | 8°51 | 16°25 | 25°37 | 6° 7 | 5° 6 | 19°24 | 6°32 | 6°59 | 8° 2 | 8° 2 | 8°27 | 29°52 | W22 |
| T 23 | 12 5 34 | 3° 2'20 | 0♑39 | 10°47 | 15°56 | 26°18 | 6°16 | 5°13 | 19°26 | 6°34 | 6°59 | 8° 1 | 7°59 | 8°34 | 29°56 | T 23 |
| F 24 | 12 9 30 | 4° 2'21 | 14°12 | 12°44 | 15°25 | 27° 0 | 6°26 | 5°21 | 19°27 | 6°36 | 7° 0 | 8° 1 | 7°56 | 8°41 | 0♓ 0 | F 24 |
| S 25 | 12 13 27 | 5° 2'22 | 28° 8 | 14°40 | 14°53 | 27°41 | 6°36 | 5°28 | 19°29 | 6°38 | 7° 0 | 8° 0 | 7°53 | 8°47 | 0° 4 | S 25 |
| S 26 | 12 17 23 | 6° 2'20 | 12♒29 | 16°35 | 14°19 | 28°22 | 6°46 | 5°35 | 19°30 | 6°40 | 7° 1 | 7°58 | 7°50 | 8°54 | 0° 8 | S 26 |
| M27 | 12 21 20 | 7° 2'17 | 27°12 | 18°29 | 13°44 | 29° 4 | 6°56 | 5°43 | 19°32 | 6°42 | 7° 1 | 7°52 | 7°46 | 9° 1 | 0°12 | M27 |
| T 28 | 12 25 16 | 8° 2'13 | 12♓13 | 20°22 | 13° 8 | 29°45 | 7° 7 | 5°50 | 19°33 | 6°44 | 7° 1 | 7°44 | 7°43 | 9° 7 | 0°16 | T 28 |
| W29 | 12 29 13 | 9° 2'06 | 27°23 | 22°13 | 12°31 | 0♊26 | 7°17 | 5°58 | 19°34 | 6°46 | 7° 2 | 7°33 | 7°40 | 9°14 | 0°20 | W29 |
| T 30 | 12 33 9 | 10° 1'58 | 12♈31 | 24° 3 | 11°54 | 1° 7 | 7°28 | 6° 5 | 19°36 | 6°48 | 7° 2 | 7°21 | 7°37 | 9°21 | 0°24 | T 30 |
| F 31 | 12 37 6 | 11♈ 1'48 | 27♈28 | 25♈49 | 11♈16 | 1♊48 | 7♊38 | 6♈12 | 19♑37 | 6♓50 | 7♑ 2 | 7♑10 | 7♑34 | 9♍27 | 0♓28 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7s26 | 0n 7 | 4n44 | 13s 8 | 2s 5 | 11n48 | 5n18 | 15n33 | 0n31 | 19n58 | 0s44 | 0s48 | 1s59 | 22s22 | 0s21 | 9s41 | 0s22 | 14s50 | 8n19 | 22s54 | 23s 0 | 5n12 | 6s18 | 6n 3 |
| T 2 | 7 3 | 6 24 | 5 2 | 12 34 | 2 7 | 12 6 | 5 29 | 15 47 | 0 32 | 20 0 | 0 44 | 0 46 | 1 59 | 22 21 | 0 21 | 9 40 | 0 22 | 14 50 | 8 19 | 22 55 | 23 0 | 5 9 | 6 16 | 6 3 |
| F 3 | 6 40 | 12 11 | 5 0 | 11 58 | 2 8 | 12 23 | 5 40 | 16 0 | 0 33 | 20 1 | 0 44 | 0 43 | 1 59 | 22 21 | 0 21 | 9 39 | 0 22 | 14 50 | 8 19 | 22 56 | 23 0 | 5 6 | 6 14 | 6 3 |
| S 4 | 6 17 | 17 7 | 4 38 | 11 21 | 2 8 | 12 39 | 5 51 | 16 14 | 0 33 | 20 3 | 0 43 | 0 40 | 1 59 | 22 21 | 0 21 | 9 39 | 0 22 | 14 50 | 8 19 | 22 56 | 23 0 | 5 4 | 6 13 | 6 3 |
| S 5 | 5 54 | 20 56 | 4 0 | 10 43 | 2 8 | 12 54 | 6 2 | 16 27 | 0 34 | 20 4 | 0 43 | 0 37 | 1 59 | 22 20 | 0 21 | 9 38 | 0 22 | 14 50 | 8 19 | 22 57 | 23 1 | 5 1 | 6 11 | 6 4 |
| M 6 | 5 30 | 23 26 | 3 9 | 10 4 | 2 8 | 13 8 | 6 13 | 16 40 | 0 35 | 20 6 | 0 43 | 0 34 | 1 59 | 22 20 | 0 21 | 9 37 | 0 22 | 14 49 | 8 20 | 22 57 | 23 1 | 4 58 | 6 10 | 6 4 |
| T 7 | 5 7 | 24 35 | 2 10 | 9 24 | 2 7 | 13 21 | 6 24 | 16 53 | 0 35 | 20 7 | 0 43 | 0 31 | 1 59 | 22 20 | 0 21 | 9 36 | 0 22 | 14 49 | 8 20 | 22 57 | 23 1 | 4 55 | 6 8 | 6 4 |
| W 8 | 4 44 | 24 23 | 1 7 | 8 43 | 2 6 | 13 34 | 6 34 | 17 5 | 0 36 | 20 9 | 0 42 | 0 29 | 1 59 | 22 20 | 0 21 | 9 35 | 0 22 | 14 49 | 8 20 | 22 57 | 23 1 | 4 52 | 6 7 | 6 4 |
| T 9 | 4 20 | 22 59 | 0 1 | 8 1 | 2 5 | 13 45 | 6 45 | 17 18 | 0 37 | 20 11 | 0 42 | 0 26 | 1 59 | 22 19 | 0 21 | 9 34 | 0 22 | 14 49 | 8 20 | 22 57 | 23 2 | 4 49 | 6 5 | 6 4 |
| F 10 | 3 57 | 20 33 | 1s 3 | 7 17 | 2 3 | 13 55 | 6 55 | 17 31 | 0 37 | 20 12 | 0 42 | 0 23 | 1 59 | 22 19 | 0 21 | 9 34 | 0 22 | 14 48 | 8 20 | 22 57 | 23 2 | 4 46 | 6 3 | 6 4 |
| S 11 | 3 33 | 17 15 | 2 3 | 6 33 | 2 0 | 14 4 | 7 5 | 17 43 | 0 38 | 20 14 | 0 42 | 0 20 | 1 59 | 22 19 | 0 21 | 9 33 | 0 22 | 14 48 | 8 20 | 22 57 | 23 2 | 4 43 | 6 2 | 6 4 |
| S 12 | 3 9 | 13 17 | 2 57 | 5 47 | 1 57 | 14 12 | 7 15 | 17 55 | 0 39 | 20 16 | 0 42 | 0 17 | 1 59 | 22 18 | 0 21 | 9 32 | 0 22 | 14 48 | 8 21 | 22 58 | 23 2 | 4 41 | 6 0 | 6 4 |
| M13 | 2 46 | 8 50 | 3 44 | 5 1 | 1 53 | 14 18 | 7 25 | 18 7 | 0 39 | 20 18 | 0 41 | 0 14 | 1 59 | 22 18 | 0 21 | 9 31 | 0 22 | 14 48 | 8 21 | 22 58 | 23 2 | 4 38 | 5 59 | 6 4 |
| T 14 | 2 22 | 4 4 | 4 20 | 4 13 | 1 49 | 14 23 | 7 34 | 18 19 | 0 40 | 20 19 | 0 41 | 0 11 | 1 59 | 22 18 | 0 21 | 9 30 | 0 22 | 14 48 | 8 21 | 22 59 | 23 3 | 4 35 | 5 57 | 6 4 |
| W15 | 1 58 | 0s51 | 4 46 | 3 25 | 1 45 | 14 27 | 7 43 | 18 30 | 0 41 | 20 21 | 0 41 | 0 8 | 1 59 | 22 18 | 0 21 | 9 30 | 0 22 | 14 47 | 8 21 | 23 0 | 23 3 | 4 32 | 5 56 | 6 4 |
| T 16 | 1 34 | 5 45 | 4 58 | 2 35 | 1 40 | 14 30 | 7 51 | 18 42 | 0 41 | 20 23 | 0 41 | 0 6 | 1 59 | 22 17 | 0 21 | 9 29 | 0 22 | 14 47 | 8 21 | 23 1 | 23 3 | 4 29 | 5 54 | 6 5 |
| F 17 | 1 11 | 10 29 | 4 58 | 1 45 | 1 34 | 14 31 | 7 59 | 18 53 | 0 42 | 20 25 | 0 41 | 0 3 | 1 59 | 22 17 | 0 21 | 9 28 | 0 22 | 14 47 | 8 22 | 23 2 | 23 3 | 4 26 | 5 52 | 6 5 |
| S 18 | 0 47 | 14 51 | 4 44 | 0 54 | 1 28 | 14 31 | 8 6 | 19 4 | 0 43 | 20 26 | 0 40 | 0n 0 | 1 59 | 22 17 | 0 21 | 9 27 | 0 22 | 14 47 | 8 22 | 23 3 | 23 3 | 4 23 | 5 51 | 6 5 |
| S 19 | 0 23 | 18 38 | 4 17 | 0 2 | 1 21 | 14 29 | 8 13 | 19 15 | 0 43 | 20 28 | 0 40 | 0 3 | 1 59 | 22 17 | 0 21 | 9 27 | 0 22 | 14 47 | 8 22 | 23 3 | 23 4 | 4 20 | 5 49 | 6 5 |
| M20 | 0n 1 | 21 39 | 3 38 | 0n50 | 1 13 | 14 26 | 8 19 | 19 26 | 0 44 | 20 30 | 0 40 | 0 6 | 1 59 | 22 16 | 0 21 | 9 26 | 0 22 | 14 46 | 8 22 | 23 4 | 23 4 | 4 18 | 5 48 | 6 5 |
| T 21 | 0 25 | 23 40 | 2 47 | 1 43 | 1 5 | 14 21 | 8 24 | 19 37 | 0 44 | 20 32 | 0 40 | 0 9 | 1 59 | 22 16 | 0 21 | 9 25 | 0 22 | 14 46 | 8 22 | 23 4 | 23 4 | 4 15 | 5 46 | 6 5 |
| W22 | 0 48 | 24 29 | 1 46 | 2 37 | 0 57 | 14 15 | 8 29 | 19 47 | 0 45 | 20 34 | 0 40 | 0 12 | 1 59 | 22 16 | 0 21 | 9 24 | 0 22 | 14 46 | 8 22 | 23 4 | 23 4 | 4 12 | 5 45 | 6 5 |
| T 23 | 1 12 | 23 57 | 0 39 | 3 31 | 0 48 | 14 7 | 8 33 | 19 58 | 0 45 | 20 36 | 0 39 | 0 15 | 1 59 | 22 16 | 0 21 | 9 23 | 0 22 | 14 46 | 8 23 | 23 4 | 23 4 | 4 9 | 5 43 | 6 6 |
| F 24 | 1 36 | 22 1 | 0n33 | 4 25 | 0 38 | 13 58 | 8 36 | 20 8 | 0 46 | 20 37 | 0 39 | 0 18 | 1 59 | 22 16 | 0 21 | 9 23 | 0 22 | 14 46 | 8 23 | 23 4 | 23 4 | 4 6 | 5 42 | 6 6 |
| S 25 | 2 0 | 18 43 | 1 44 | 5 19 | 0 28 | 13 47 | 8 38 | 20 18 | 0 46 | 20 39 | 0 39 | 0 20 | 1 59 | 22 15 | 0 21 | 9 22 | 0 22 | 14 45 | 8 23 | 23 4 | 23 5 | 4 3 | 5 40 | 6 6 |
| S 26 | 2 23 | 14 14 | 2 51 | 6 13 | 0 17 | 13 35 | 8 39 | 20 27 | 0 47 | 20 41 | 0 39 | 0 23 | 1 59 | 22 15 | 0 21 | 9 21 | 0 22 | 14 45 | 8 23 | 23 4 | 23 5 | 4 0 | 5 39 | 6 6 |
| M27 | 2 47 | 8 48 | 3 48 | 7 7 | 0 6 | 13 22 | 8 39 | 20 37 | 0 48 | 20 43 | 0 39 | 0 26 | 1 59 | 22 15 | 0 21 | 9 21 | 0 22 | 14 45 | 8 23 | 23 5 | 23 5 | 3 58 | 5 37 | 6 6 |
| T 28 | 3 10 | 2 45 | 4 31 | 8 0 | 0n 5 | 13 7 | 8 39 | 20 46 | 0 48 | 20 45 | 0 38 | 0 29 | 1 59 | 22 15 | 0 21 | 9 20 | 0 22 | 14 45 | 8 24 | 23 5 | 23 5 | 3 55 | 5 36 | 6 6 |
| W29 | 3 34 | 3n29 | 4 55 | 8 52 | 0 17 | 12 51 | 8 37 | 20 55 | 0 49 | 20 47 | 0 38 | 0 32 | 1 59 | 22 15 | 0 21 | 9 19 | 0 22 | 14 44 | 8 24 | 23 6 | 23 5 | 3 52 | 5 34 | 6 7 |
| T 30 | 3 57 | 9 31 | 4 59 | 9 44 | 0 29 | 12 34 | 8 35 | 21 4 | 0 49 | 20 49 | 0 38 | 0 35 | 1 59 | 22 15 | 0 21 | 9 18 | 0 22 | 14 44 | 8 24 | 23 6 | 23 6 | 3 49 | 5 33 | 6 7 |
| F 31 | 4n21 | 14n54 | 4n42 | 10n34 | 0n41 | 12n16 | 8n31 | 21n13 | 0n50 | 20n51 | 0s38 | 0n38 | 1s59 | 22s14 | 0s21 | 9s18 | 0s22 | 14s44 | 8n24 | 23s 7 | 23s 6 | 3n46 | 5s31 | 6n 7 |

Julian Day Number = 2815751.5, Delta T = 54m33s
Ecliptic obliquity = 23°18'38, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°41'58, Lahiri = 37°48'59


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# ASTRODIENST EPHEMERIS for the year 2997
# geocentric

## APRIL 2997 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 41 2 | 12♈ 1'36 | 12♉ 5 | 27♈32 | 10°R38 | 2♊30 | 7♊49 | 6♈20 | 19♑38 | 6♓52 | 7♑ 3 | 7°R 0 | 7♑30 | 9♍34 | 0♓31 | S 1 |
| S 2 | 12 44 59 | 13° 1'22 | 26°14 | 29°12 | 10♈ 1 | 3°11 | 8° 0 | 6°27 | 19°39 | 6°54 | 7° 3 | 6♑53 | 7°27 | 9°41 | 0°35 | S 2 |
| M 3 | 12 48 56 | 14° 1'05 | 9♊53 | 0♉48 | 9°24 | 3°52 | 8°11 | 6°34 | 19°40 | 6°56 | 7° 3 | 6°48 | 7°24 | 9°48 | 0°39 | M 3 |
| T 4 | 12 52 52 | 15° 0'47 | 23° 4 | 2°19 | 8°48 | 4°33 | 8°22 | 6°42 | 19°41 | 6°58 | 7° 3 | 6°46 | 7°21 | 9°54 | 0°42 | T 4 |
| W 5 | 12 56 49 | 16° 0'27 | 5♋49 | 3°45 | 8°13 | 5°14 | 8°33 | 6°49 | 19°42 | 7° 0 | 7° 3 | 6°D45 | 7°18 | 10° 1 | 0°46 | W 5 |
| T 6 | 13 0 45 | 17° 0'04 | 18°13 | 5° 6 | 7°39 | 5°55 | 8°44 | 6°56 | 19°43 | 7° 2 | 7° 3 | 6°R45 | 7°15 | 10° 8 | 0°49 | T 6 |
| F 7 | 13 4 42 | 17°59'39 | 0♌20 | 6°21 | 7° 7 | 6°36 | 8°55 | 7° 4 | 19°44 | 7° 4 | 7° 3 | 6°45 | 7°11 | 10°14 | 0°53 | F 7 |
| S 8 | 13 8 38 | 18°59'11 | 12°16 | 7°30 | 6°36 | 7°17 | 9° 7 | 7°11 | 19°45 | 7° 6 | 7°R 3 | 6°43 | 7° 8 | 10°21 | 0°56 | S 8 |
| S 9 | 13 12 35 | 19°58'42 | 24° 7 | 8°32 | 6° 7 | 7°57 | 9°18 | 7°18 | 19°46 | 7° 7 | 7° 3 | 6°38 | 7° 5 | 10°28 | 1° 0 | S 9 |
| M10 | 13 16 31 | 20°58'10 | 5♍57 | 9°27 | 5°40 | 8°38 | 9°30 | 7°25 | 19°46 | 7° 9 | 7° 3 | 6°31 | 7° 2 | 10°35 | 1° 3 | M10 |
| T 11 | 13 20 28 | 21°57'36 | 17°48 | 10°16 | 5°14 | 9°19 | 9°41 | 7°33 | 19°47 | 7°11 | 7° 3 | 6°21 | 6°59 | 10°41 | 1° 7 | T 11 |
| W12 | 13 24 25 | 22°57'00 | 29°45 | 10°57 | 4°51 | 10° 0 | 9°53 | 7°40 | 19°48 | 7°13 | 7° 3 | 6° 8 | 6°56 | 10°48 | 1°10 | W12 |
| T 13 | 13 28 21 | 23°56'22 | 11♎50 | 11°31 | 4°31 | 10°41 | 10° 5 | 7°47 | 19°48 | 7°14 | 7° 3 | 5°55 | 6°52 | 10°55 | 1°13 | T 13 |
| F 14 | 13 32 18 | 24°55'41 | 24° 2 | 11°58 | 4°12 | 11°21 | 10°17 | 7°54 | 19°49 | 7°16 | 7° 3 | 5°42 | 6°49 | 11° 1 | 1°16 | F 14 |
| S 15 | 13 36 14 | 25°54'59 | 6♏24 | 12°17 | 3°56 | 12° 2 | 10°29 | 8° 1 | 19°49 | 7°18 | 7° 3 | 5°30 | 6°46 | 11° 8 | 1°19 | S 15 |
| S 16 | 13 40 11 | 26°54'15 | 18°55 | 12°28 | 3°43 | 12°43 | 10°41 | 8° 8 | 19°49 | 7°19 | 7° 2 | 5°20 | 6°43 | 11°15 | 1°22 | S 16 |
| M17 | 13 44 7 | 27°53'29 | 1♐37 | 12°R33 | 3°32 | 13°23 | 10°53 | 8°16 | 19°50 | 7°21 | 7° 2 | 5°13 | 6°40 | 11°21 | 1°25 | M17 |
| T 18 | 13 48 4 | 28°52'42 | 14°29 | 12°30 | 3°23 | 14° 4 | 11° 5 | 8°23 | 19°50 | 7°23 | 7° 2 | 5° 9 | 6°36 | 11°28 | 1°28 | T 18 |
| W19 | 13 52 0 | 29°51'52 | 27°34 | 12°20 | 3°17 | 14°44 | 11°17 | 8°30 | 19°50 | 7°24 | 7° 1 | 5° 7 | 6°33 | 11°35 | 1°31 | W19 |
| T 20 | 13 55 57 | 0♑51'01 | 10♑53 | 12° 4 | 3°13 | 15°25 | 11°30 | 8°37 | 19°51 | 7°26 | 7° 1 | 5°D 7 | 6°30 | 11°42 | 1°34 | T 20 |
| F 21 | 13 59 54 | 1°50'08 | 24°27 | 11°42 | 3°D12 | 16° 5 | 11°42 | 8°44 | 19°51 | 7°27 | 7° 1 | 5° 7 | 6°27 | 11°48 | 1°37 | F 21 |
| S 22 | 14 3 50 | 2°49'14 | 8♒18 | 11°15 | 3°13 | 16°46 | 11°54 | 8°51 | 19°51 | 7°29 | 7° 0 | 5°R 7 | 6°24 | 11°55 | 1°40 | S 22 |
| S 23 | 14 7 47 | 3°48'17 | 22°26 | 10°42 | 3°17 | 17°26 | 12° 7 | 8°58 | 19°R51 | 7°30 | 7° 0 | 5° 6 | 6°21 | 12° 2 | 1°43 | S 23 |
| M24 | 14 11 43 | 4°47'19 | 6♓51 | 10° 6 | 3°23 | 18° 7 | 12°20 | 9° 5 | 19°51 | 7°32 | 6°59 | 5° 2 | 6°17 | 12° 8 | 1°45 | M24 |
| T 25 | 14 15 40 | 5°46'20 | 21°30 | 9°26 | 3°31 | 18°47 | 12°32 | 9°11 | 19°51 | 7°33 | 6°59 | 4°56 | 6°14 | 12°15 | 1°48 | T 25 |
| W26 | 14 19 36 | 6°45'18 | 6♈17 | 8°43 | 3°41 | 19°27 | 12°45 | 9°18 | 19°51 | 7°34 | 6°58 | 4°48 | 6°11 | 12°22 | 1°51 | W26 |
| T 27 | 14 23 33 | 7°44'15 | 21° 4 | 7°59 | 3°53 | 20° 8 | 12°58 | 9°25 | 19°50 | 7°36 | 6°58 | 4°39 | 6° 8 | 12°29 | 1°53 | T 27 |
| F 28 | 14 27 29 | 8°43'10 | 5♉43 | 7°14 | 4° 8 | 20°48 | 13°11 | 9°32 | 19°50 | 7°37 | 6°57 | 4°30 | 6° 5 | 12°35 | 1°56 | F 28 |
| S 29 | 14 31 26 | 9°42'03 | 20° 8 | 6°29 | 4°24 | 21°28 | 13°23 | 9°39 | 19°50 | 7°38 | 6°56 | 4°23 | 6° 1 | 12°42 | 1°58 | S 29 |
| S 30 | 14 35 23 | 10♉40'54 | 4♊11 | 5♉45 | 4♈43 | 22♊ 9 | 13♊36 | 9♈45 | 19♑50 | 7♓40 | 6♑56 | 4♑17 | 5♑58 | 12♍49 | 2♓ 0 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n44 | 19n17 | 4n 6 | 11n23 | 0n54 | 11n57 | 8n27 | 21n22 | 0n50 | 20n53 | 0s38 | 0n40 | 1s59 | 22s14 | 0s22 | 9s17 | 0s22 | 14s44 | 8n24 | 23s 8 | 23s 6 | 3n43 | 5s30 | 6n 7 |
| S 2 | 5 7 | 22 23 | 3 17 | 12 10 | 1 6 | 11 38 | 8 21 | 21 30 | 0 51 | 20 54 | 0 37 | 0 43 | 1 59 | 22 14 | 0 22 | 9 16 | 0 22 | 14 44 | 8 24 | 23 8 | 23 6 | 3 40 | 5 28 | 6 7 |
| M 3 | 5 30 | 24 4 | 2 17 | 12 55 | 1 19 | 11 17 | 8 15 | 21 39 | 0 51 | 20 56 | 0 37 | 0 46 | 1 59 | 22 14 | 0 22 | 9 16 | 0 22 | 14 44 | 8 25 | 23 8 | 23 6 | 3 37 | 5 27 | 6 8 |
| T 4 | 5 53 | 24 19 | 1 12 | 13 38 | 1 31 | 10 57 | 8 8 | 21 47 | 0 51 | 20 58 | 0 37 | 0 49 | 1 59 | 22 14 | 0 22 | 9 15 | 0 22 | 14 43 | 8 25 | 23 8 | 23 6 | 3 35 | 5 25 | 6 8 |
| W 5 | 6 16 | 23 16 | 0 5 | 14 19 | 1 43 | 10 35 | 8 0 | 21 55 | 0 52 | 21 0 | 0 37 | 0 52 | 1 59 | 22 14 | 0 22 | 9 14 | 0 22 | 14 43 | 8 25 | 23 8 | 23 7 | 3 32 | 5 24 | 6 8 |
| T 6 | 6 39 | 21 5 | 1s 0 | 14 57 | 1 55 | 10 14 | 7 51 | 22 2 | 0 52 | 21 2 | 0 37 | 0 55 | 1 59 | 22 14 | 0 22 | 9 13 | 0 22 | 14 43 | 8 25 | 23 8 | 23 7 | 3 29 | 5 22 | 6 8 |
| F 7 | 7 1 | 18 0 | 2 1 | 15 33 | 2 6 | 9 52 | 7 41 | 22 10 | 0 53 | 21 4 | 0 37 | 0 57 | 1 59 | 22 14 | 0 22 | 9 13 | 0 22 | 14 43 | 8 25 | 23 8 | 23 7 | 3 26 | 5 21 | 6 9 |
| S 8 | 7 24 | 14 12 | 2 56 | 16 6 | 2 17 | 9 31 | 7 31 | 22 17 | 0 53 | 21 6 | 0 36 | 1 0 | 2 0 | 22 13 | 0 22 | 9 12 | 0 22 | 14 43 | 8 25 | 23 8 | 23 7 | 3 23 | 5 19 | 6 9 |
| S 9 | 7 46 | 9 54 | 3 43 | 16 35 | 2 27 | 9 9 | 7 21 | 22 24 | 0 54 | 21 8 | 0 36 | 1 3 | 2 0 | 22 13 | 0 22 | 9 12 | 0 22 | 14 42 | 8 26 | 23 9 | 23 7 | 3 20 | 5 18 | 6 9 |
| M10 | 8 8 | 5 15 | 4 20 | 17 2 | 2 36 | 8 48 | 7 9 | 22 31 | 0 54 | 21 10 | 0 36 | 1 6 | 2 0 | 22 13 | 0 22 | 9 11 | 0 22 | 14 42 | 8 26 | 23 9 | 23 8 | 3 17 | 5 17 | 6 9 |
| T 11 | 8 31 | 0 24 | 4 46 | 17 25 | 2 45 | 8 28 | 6 57 | 22 38 | 0 55 | 21 11 | 0 36 | 1 9 | 2 0 | 22 13 | 0 22 | 9 10 | 0 22 | 14 42 | 8 26 | 23 10 | 23 8 | 3 15 | 5 15 | 6 10 |
| W12 | 8 53 | 4s29 | 4 59 | 17 45 | 2 52 | 8 7 | 6 45 | 22 44 | 0 55 | 21 13 | 0 36 | 1 11 | 2 0 | 22 13 | 0 22 | 9 10 | 0 22 | 14 42 | 8 26 | 23 10 | 23 8 | 3 12 | 5 14 | 6 10 |
| T 13 | 9 14 | 9 15 | 4 59 | 18 2 | 2 58 | 7 47 | 6 33 | 22 50 | 0 55 | 21 15 | 0 36 | 1 14 | 2 0 | 22 13 | 0 22 | 9 9 | 0 22 | 14 42 | 8 26 | 23 11 | 23 8 | 3 9 | 5 12 | 6 10 |
| F 14 | 9 36 | 13 42 | 4 46 | 18 15 | 3 4 | 7 28 | 6 20 | 22 56 | 0 56 | 21 17 | 0 35 | 1 17 | 2 0 | 22 13 | 0 22 | 9 8 | 0 22 | 14 42 | 8 27 | 23 11 | 23 8 | 3 6 | 5 11 | 6 10 |
| S 15 | 9 58 | 17 39 | 4 19 | 18 25 | 3 7 | 7 10 | 6 7 | 23 2 | 0 56 | 21 19 | 0 35 | 1 19 | 2 0 | 22 13 | 0 22 | 9 8 | 0 22 | 14 41 | 8 27 | 23 12 | 23 8 | 3 3 | 5 10 | 6 11 |
| S 16 | 10 19 | 20 52 | 3 39 | 18 31 | 3 10 | 6 52 | 5 53 | 23 8 | 0 56 | 21 21 | 0 35 | 1 22 | 2 0 | 22 13 | 0 22 | 9 7 | 0 22 | 14 41 | 8 27 | 23 12 | 23 8 | 3 0 | 5 8 | 6 11 |
| M17 | 10 40 | 23 7 | 2 48 | 18 33 | 3 11 | 6 36 | 5 40 | 23 13 | 0 57 | 21 23 | 0 35 | 1 25 | 2 0 | 22 13 | 0 22 | 9 7 | 0 22 | 14 41 | 8 27 | 23 12 | 23 9 | 2 57 | 5 7 | 6 11 |
| T 18 | 11 1 | 24 12 | 1 47 | 18 32 | 3 11 | 6 20 | 5 26 | 23 19 | 0 57 | 21 24 | 0 35 | 1 28 | 2 0 | 22 13 | 0 22 | 9 6 | 0 22 | 14 41 | 8 27 | 23 13 | 23 9 | 2 54 | 5 6 | 6 11 |
| W19 | 11 22 | 23 57 | 0 40 | 18 27 | 3 9 | 6 5 | 5 13 | 23 24 | 0 58 | 21 26 | 0 35 | 1 30 | 2 0 | 22 13 | 0 22 | 9 6 | 0 22 | 14 41 | 8 27 | 23 13 | 23 9 | 2 52 | 5 5 | 6 12 |
| T 20 | 11 42 | 22 21 | 0n31 | 18 19 | 3 5 | 5 51 | 4 59 | 23 29 | 0 58 | 21 28 | 0 35 | 1 33 | 2 1 | 22 13 | 0 22 | 9 5 | 0 22 | 14 41 | 8 28 | 23 13 | 23 9 | 2 49 | 5 3 | 6 12 |
| F 21 | 12 3 | 19 27 | 1 41 | 18 7 | 3 0 | 5 38 | 4 45 | 23 33 | 0 58 | 21 30 | 0 34 | 1 36 | 2 1 | 22 13 | 0 22 | 9 4 | 0 22 | 14 40 | 8 28 | 23 13 | 23 9 | 2 46 | 5 2 | 6 12 |
| S 22 | 12 23 | 15 24 | 2 47 | 17 52 | 2 53 | 5 26 | 4 32 | 23 38 | 0 59 | 21 32 | 0 34 | 1 38 | 2 1 | 22 13 | 0 22 | 9 4 | 0 22 | 14 40 | 8 28 | 23 13 | 23 9 | 2 43 | 5 1 | 6 13 |
| S 23 | 12 43 | 10 25 | 3 45 | 17 34 | 2 45 | 5 15 | 4 18 | 23 42 | 0 59 | 21 34 | 0 34 | 1 41 | 2 1 | 22 13 | 0 22 | 9 3 | 0 22 | 14 40 | 8 28 | 23 13 | 23 10 | 2 40 | 4 59 | 6 13 |
| M24 | 13 3 | 4 47 | 4 29 | 17 13 | 2 35 | 5 5 | 4 5 | 23 46 | 0 59 | 21 35 | 0 34 | 1 43 | 2 1 | 22 13 | 0 22 | 9 3 | 0 22 | 14 40 | 8 28 | 23 13 | 23 10 | 2 37 | 4 58 | 6 13 |
| T 25 | 13 22 | 1n11 | 4 56 | 16 50 | 2 24 | 4 56 | 3 52 | 23 50 | 1 0 | 21 37 | 0 34 | 1 46 | 2 1 | 22 13 | 0 22 | 9 2 | 0 22 | 14 40 | 8 28 | 23 13 | 23 10 | 2 34 | 4 57 | 6 14 |
| W26 | 13 42 | 7 8 | 5 4 | 16 24 | 2 11 | 4 48 | 3 39 | 23 53 | 1 0 | 21 39 | 0 34 | 1 49 | 2 1 | 22 13 | 0 22 | 9 2 | 0 22 | 14 40 | 8 29 | 23 13 | 23 10 | 2 32 | 4 56 | 6 14 |
| T 27 | 14 1 | 12 41 | 4 52 | 15 57 | 1 58 | 4 41 | 3 26 | 23 57 | 1 0 | 21 41 | 0 34 | 1 51 | 2 1 | 22 13 | 0 22 | 9 1 | 0 22 | 14 40 | 8 29 | 23 14 | 23 10 | 2 29 | 4 55 | 6 14 |
| F 28 | 14 20 | 17 28 | 4 21 | 15 29 | 1 43 | 4 35 | 3 13 | 24 0 | 1 1 | 21 42 | 0 33 | 1 54 | 2 1 | 22 13 | 0 22 | 9 1 | 0 22 | 14 40 | 8 29 | 23 14 | 23 10 | 2 26 | 4 54 | 6 14 |
| S 29 | 14 38 | 21 6 | 3 33 | 14 59 | 1 27 | 4 30 | 3 1 | 24 3 | 1 1 | 21 44 | 0 33 | 1 56 | 2 2 | 22 13 | 0 22 | 9 0 | 0 23 | 14 39 | 8 29 | 23 14 | 23 10 | 2 23 | 4 52 | 6 15 |
| S 30 | 14n57 | 23n23 | 2n34 | 14n29 | 1n11 | 4n26 | 2n48 | 24n 6 | 1n 1 | 21n46 | 0s33 | 1n59 | 2s 2 | 22s13 | 0s22 | 9s 0 | 0s23 | 14s39 | 8n29 | 23s14 | 23s11 | 2n20 | 4s51 | 6n15 |

Julian Day Number = 2815782.5, Delta T = 54m34s
Ecliptic obliquity = 23°18'38, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°42'02, Lahiri = 37°49'03


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# ASTRODIENST EPHEMERIS for the year 2997
# geocentric

## MAY 2997 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 39 19 | 11♉39'43 | 17♊49 | 5°R 2 | 5♈ 3 | 22♊49 | 13♊49 | 9♈52 | 19°R49 | 7♓41 | 6°R55 | 4°R13 | 5♑55 | 12♍55 | 2♓ 3 | M 1 |
| T 2 | 14 43 16 | 12°38'30 | 1♋ 1 | 4♉22 | 5°25 | 23°29 | 14° 2 | 9°59 | 19♑49 | 7°42 | 6♑54 | 4°D12 | 5°52 | 13° 2 | 2° 5 | T 2 |
| W 3 | 14 47 12 | 13°37'15 | 13°49 | 3°45 | 5°49 | 24° 9 | 14°16 | 10° 5 | 19°48 | 7°43 | 6°54 | 4♑12 | 5°49 | 13° 9 | 2° 7 | W 3 |
| T 4 | 14 51 9 | 14°35'58 | 26°17 | 3°11 | 6°14 | 24°49 | 14°29 | 10°12 | 19°48 | 7°45 | 6°53 | 4°13 | 5°46 | 13°16 | 2° 9 | T 4 |
| F 5 | 14 55 5 | 15°34'38 | 8♌28 | 2°41 | 6°41 | 25°29 | 14°42 | 10°18 | 19°47 | 7°46 | 6°52 | 4°14 | 5°42 | 13°22 | 2°11 | F 5 |
| S 6 | 14 59 2 | 16°33'16 | 20°27 | 2°16 | 7°10 | 26°10 | 14°55 | 10°25 | 19°47 | 7°47 | 6°51 | 4°R15 | 5°39 | 13°29 | 2°13 | S 6 |
| S 7 | 15 2 58 | 17°31'52 | 2♍20 | 1°55 | 7°40 | 26°50 | 15° 8 | 10°31 | 19°46 | 7°48 | 6°50 | 4°13 | 5°36 | 13°36 | 2°15 | S 7 |
| M 8 | 15 6 55 | 18°30'26 | 14°11 | 1°39 | 8°12 | 27°30 | 15°22 | 10°37 | 19°45 | 7°49 | 6°49 | 4°10 | 5°33 | 13°42 | 2°17 | M 8 |
| T 9 | 15 10 52 | 19°28'58 | 26° 5 | 1°28 | 8°45 | 28°10 | 15°35 | 10°44 | 19°44 | 7°50 | 6°48 | 4° 5 | 5°30 | 13°49 | 2°19 | T 9 |
| W10 | 15 14 48 | 20°27'28 | 8♎ 6 | 1°22 | 9°19 | 28°49 | 15°49 | 10°50 | 19°44 | 7°51 | 6°47 | 3°58 | 5°27 | 13°56 | 2°20 | W10 |
| T 11 | 15 18 45 | 21°25'56 | 20°17 | 1°D21 | 9°55 | 29°29 | 16° 2 | 10°56 | 19°43 | 7°52 | 6°47 | 3°51 | 5°23 | 14° 3 | 2°22 | T 11 |
| F 12 | 15 22 41 | 22°24'22 | 2♏39 | 1°25 | 10°32 | 0♋ 9 | 16°15 | 11° 2 | 19°42 | 7°53 | 6°46 | 3°43 | 5°20 | 14° 9 | 2°24 | F 12 |
| S 13 | 15 26 38 | 23°22'46 | 15°14 | 1°34 | 11°10 | 0°49 | 16°29 | 11° 9 | 19°41 | 7°54 | 6°44 | 3°36 | 5°17 | 14°16 | 2°25 | S 13 |
| S 14 | 15 30 34 | 24°21'08 | 28° 3 | 1°47 | 11°49 | 1°29 | 16°43 | 11°15 | 19°40 | 7°55 | 6°43 | 3°30 | 5°14 | 14°23 | 2°27 | S 14 |
| M15 | 15 34 31 | 25°19'29 | 11♐ 4 | 2° 6 | 12°29 | 2° 9 | 16°56 | 11°21 | 19°39 | 7°55 | 6°42 | 3°26 | 5°11 | 14°29 | 2°28 | M15 |
| T 16 | 15 38 27 | 26°17'47 | 24°18 | 2°28 | 13°11 | 2°49 | 17°10 | 11°27 | 19°38 | 7°56 | 6°41 | 3°25 | 5° 7 | 14°36 | 2°30 | T 16 |
| W17 | 15 42 24 | 27°16'05 | 7♑44 | 2°55 | 13°53 | 3°28 | 17°23 | 11°33 | 19°37 | 7°57 | 6°40 | 3°D24 | 5° 4 | 14°43 | 2°31 | W17 |
| T 18 | 15 46 21 | 28°14'21 | 21°22 | 3°27 | 14°36 | 4° 8 | 17°37 | 11°38 | 19°35 | 7°58 | 6°39 | 3°25 | 5° 1 | 14°50 | 2°32 | T 18 |
| F 19 | 15 50 17 | 29°12'35 | 5♒ 9 | 4° 2 | 15°21 | 4°48 | 17°51 | 11°44 | 19°34 | 7°58 | 6°38 | 3°27 | 4°58 | 14°56 | 2°33 | F 19 |
| S 20 | 15 54 14 | 0♊10'48 | 19° 7 | 4°41 | 16° 6 | 5°27 | 18° 5 | 11°50 | 19°33 | 7°59 | 6°37 | 3°28 | 4°55 | 15° 3 | 2°35 | S 20 |
| S 21 | 15 58 10 | 1° 8'59 | 3♓14 | 5°24 | 16°52 | 6° 7 | 18°18 | 11°56 | 19°32 | 8° 0 | 6°36 | 3°R28 | 4°52 | 15°10 | 2°36 | S 21 |
| M22 | 16 2 7 | 2° 7'09 | 17°29 | 6°11 | 17°39 | 6°47 | 18°32 | 12° 1 | 19°30 | 8° 0 | 6°34 | 3°27 | 4°48 | 15°16 | 2°37 | M22 |
| T 23 | 16 6 3 | 3° 5'18 | 1♈49 | 7° 1 | 18°27 | 7°26 | 18°46 | 12° 7 | 19°29 | 8° 1 | 6°33 | 3°25 | 4°45 | 15°23 | 2°38 | T 23 |
| W24 | 16 10 0 | 4° 3'25 | 16°11 | 7°54 | 19°15 | 8° 6 | 19° 0 | 12°12 | 19°27 | 8° 1 | 6°32 | 3°22 | 4°42 | 15°30 | 2°38 | W24 |
| T 25 | 16 13 56 | 5° 1'31 | 0♉30 | 8°50 | 20° 5 | 8°45 | 19°14 | 12°18 | 19°26 | 8° 2 | 6°31 | 3°18 | 4°39 | 15°37 | 2°39 | T 25 |
| F 26 | 16 17 53 | 5°59'35 | 14°42 | 9°50 | 20°55 | 9°25 | 19°28 | 12°23 | 19°24 | 8° 2 | 6°29 | 3°14 | 4°36 | 15°43 | 2°40 | F 26 |
| S 27 | 16 21 50 | 6°57'39 | 28°42 | 10°52 | 21°45 | 10° 4 | 19°42 | 12°28 | 19°23 | 8° 3 | 6°28 | 3°10 | 4°33 | 15°50 | 2°41 | S 27 |
| S 28 | 16 25 46 | 7°55'41 | 12♊26 | 11°58 | 22°37 | 10°44 | 19°56 | 12°34 | 19°21 | 8° 3 | 6°27 | 3° 8 | 4°29 | 15°57 | 2°41 | S 28 |
| M29 | 16 29 43 | 8°53'41 | 25°51 | 13° 6 | 23°29 | 11°23 | 20° 9 | 12°39 | 19°20 | 8° 4 | 6°25 | 3° 6 | 4°26 | 16° 3 | 2°42 | M29 |
| T 30 | 16 33 39 | 9°51'39 | 8♋56 | 14°17 | 24°21 | 12° 3 | 20°23 | 12°44 | 19°18 | 8° 4 | 6°24 | 3°D 6 | 4°23 | 16°10 | 2°42 | T 30 |
| W31 | 16 37 36 | 10♊49'36 | 21♋41 | 15♉30 | 25♈14 | 12♋42 | 20♊37 | 12♈49 | 19♑16 | 8♓ 4 | 6♑22 | 3♑ 7 | 4♑20 | 16♍17 | 2♓43 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15n15 | 24n12 | 1n27 | 13n59 | 0n55 | 4n23 | 2n36 | 24n 8 | 1n 1 | 21n47 | 0s33 | 2n 1 | 2s 2 | 22s13 | 0s22 | 8s59 | 0s23 | 14s39 | 8n29 | 23s15 | 23s11 | 2n17 | 4s50 | 6n15 |
| T 2 | 15 33 | 23 35 | 0 17 | 13 30 | 0 38 | 4 21 | 2 24 | 24 11 | 1 2 | 21 49 | 0 33 | 2 4 | 2 2 | 22 14 | 0 22 | 8 59 | 0 23 | 14 39 | 8 29 | 23 15 | 23 11 | 2 14 | 4 49 | 6 16 |
| W 3 | 15 51 | 21 44 | 0s52 | 13 1 | 0 21 | 4 20 | 2 13 | 24 13 | 1 2 | 21 51 | 0 33 | 2 6 | 2 2 | 22 14 | 0 22 | 8 59 | 0 23 | 14 39 | 8 29 | 23 15 | 23 11 | 2 12 | 4 48 | 6 16 |
| T 4 | 16 8 | 18 53 | 1 56 | 12 34 | 0 4 | 4 19 | 2 1 | 24 15 | 1 2 | 21 52 | 0 33 | 2 8 | 2 2 | 22 14 | 0 22 | 8 58 | 0 23 | 14 39 | 8 30 | 23 15 | 23 11 | 2 9 | 4 47 | 6 16 |
| F 5 | 16 25 | 15 15 | 2 54 | 12 8 | 0s13 | 4 20 | 1 50 | 24 17 | 1 3 | 21 54 | 0 32 | 2 11 | 2 2 | 22 14 | 0 22 | 8 58 | 0 23 | 14 39 | 8 30 | 23 15 | 23 11 | 2 6 | 4 46 | 6 17 |
| S 6 | 16 42 | 11 4 | 3 43 | 11 44 | 0 29 | 4 21 | 1 40 | 24 18 | 1 3 | 21 56 | 0 32 | 2 13 | 2 3 | 22 14 | 0 22 | 8 57 | 0 23 | 14 39 | 8 30 | 23 15 | 23 11 | 2 3 | 4 45 | 6 17 |
| S 7 | 16 58 | 6 30 | 4 22 | 11 22 | 0 45 | 4 23 | 1 29 | 24 19 | 1 3 | 21 57 | 0 32 | 2 16 | 2 3 | 22 14 | 0 23 | 8 57 | 0 23 | 14 39 | 8 30 | 23 15 | 23 12 | 2 0 | 4 44 | 6 18 |
| M 8 | 17 14 | 1 43 | 4 50 | 11 2 | 1 1 | 4 26 | 1 19 | 24 21 | 1 3 | 21 59 | 0 32 | 2 18 | 2 3 | 22 14 | 0 23 | 8 57 | 0 23 | 14 39 | 8 30 | 23 15 | 23 12 | 1 57 | 4 43 | 6 18 |
| T 9 | 17 30 | 3s 8 | 5 5 | 10 45 | 1 15 | 4 30 | 1 9 | 24 21 | 1 4 | 22 0 | 0 32 | 2 20 | 2 3 | 22 14 | 0 23 | 8 56 | 0 23 | 14 39 | 8 30 | 23 15 | 23 12 | 1 55 | 4 42 | 6 18 |
| W10 | 17 46 | 7 55 | 5 7 | 10 30 | 1 29 | 4 34 | 0 59 | 24 22 | 1 4 | 22 2 | 0 32 | 2 23 | 2 3 | 22 15 | 0 23 | 8 56 | 0 23 | 14 39 | 8 30 | 23 15 | 23 12 | 1 52 | 4 41 | 6 19 |
| T 11 | 18 1 | 12 27 | 4 56 | 10 17 | 1 42 | 4 40 | 0 49 | 24 23 | 1 4 | 22 3 | 0 32 | 2 25 | 2 3 | 22 15 | 0 23 | 8 56 | 0 23 | 14 38 | 8 30 | 23 15 | 23 12 | 1 49 | 4 40 | 6 19 |
| F 12 | 18 16 | 16 33 | 4 30 | 10 7 | 1 55 | 4 45 | 0 40 | 24 23 | 1 4 | 22 5 | 0 32 | 2 27 | 2 3 | 22 15 | 0 23 | 8 55 | 0 23 | 14 38 | 8 31 | 23 16 | 23 12 | 1 46 | 4 39 | 6 19 |
| S 13 | 18 31 | 20 0 | 3 51 | 9 59 | 2 6 | 4 52 | 0 31 | 24 23 | 1 5 | 22 6 | 0 31 | 2 29 | 2 4 | 22 15 | 0 23 | 8 55 | 0 23 | 14 38 | 8 31 | 23 16 | 23 12 | 1 43 | 4 38 | 6 20 |
| S 14 | 18 45 | 22 32 | 3 0 | 9 54 | 2 17 | 4 59 | 0 22 | 24 23 | 1 5 | 22 8 | 0 31 | 2 31 | 2 4 | 22 15 | 0 23 | 8 55 | 0 23 | 14 38 | 8 31 | 23 16 | 23 12 | 1 40 | 4 37 | 6 20 |
| M15 | 18 59 | 23 56 | 1 58 | 9 51 | 2 26 | 5 7 | 0 13 | 24 23 | 1 5 | 22 9 | 0 31 | 2 34 | 2 4 | 22 15 | 0 23 | 8 54 | 0 23 | 14 38 | 8 31 | 23 16 | 23 13 | 1 37 | 4 37 | 6 20 |
| T 16 | 19 13 | 24 1 | 0 49 | 9 50 | 2 35 | 5 15 | 0 5 | 24 22 | 1 5 | 22 11 | 0 31 | 2 36 | 2 4 | 22 16 | 0 23 | 8 54 | 0 23 | 14 38 | 8 31 | 23 16 | 23 13 | 1 35 | 4 36 | 6 21 |
| W17 | 19 27 | 22 42 | 0n24 | 9 52 | 2 43 | 5 24 | 0s 3 | 24 21 | 1 5 | 22 12 | 0 31 | 2 38 | 2 4 | 22 16 | 0 23 | 8 54 | 0 23 | 14 38 | 8 31 | 23 16 | 23 13 | 1 32 | 4 35 | 6 21 |
| T 18 | 19 40 | 20 2 | 1 36 | 9 55 | 2 50 | 5 33 | 0 11 | 24 20 | 1 6 | 22 13 | 0 31 | 2 40 | 2 4 | 22 16 | 0 23 | 8 54 | 0 23 | 14 38 | 8 31 | 23 16 | 23 13 | 1 29 | 4 34 | 6 21 |
| F 19 | 19 52 | 16 13 | 2 44 | 10 1 | 2 57 | 5 43 | 0 19 | 24 19 | 1 6 | 22 15 | 0 31 | 2 42 | 2 5 | 22 16 | 0 23 | 8 53 | 0 23 | 14 38 | 8 31 | 23 16 | 23 13 | 1 26 | 4 33 | 6 22 |
| S 20 | 20 5 | 11 28 | 3 44 | 10 9 | 3 2 | 5 54 | 0 26 | 24 18 | 1 6 | 22 16 | 0 31 | 2 44 | 2 5 | 22 16 | 0 23 | 8 53 | 0 23 | 14 38 | 8 31 | 23 16 | 23 13 | 1 23 | 4 33 | 6 22 |
| S 21 | 20 17 | 6 4 | 4 30 | 10 19 | 3 7 | 6 5 | 0 33 | 24 16 | 1 6 | 22 17 | 0 31 | 2 46 | 2 5 | 22 17 | 0 23 | 8 53 | 0 23 | 14 38 | 8 31 | 23 16 | 23 13 | 1 20 | 4 32 | 6 23 |
| M22 | 20 28 | 0 18 | 5 0 | 10 30 | 3 11 | 6 16 | 0 40 | 24 15 | 1 6 | 22 19 | 0 30 | 2 48 | 2 5 | 22 17 | 0 23 | 8 53 | 0 23 | 14 38 | 8 31 | 23 16 | 23 13 | 1 18 | 4 31 | 6 23 |
| T 23 | 20 40 | 5n30 | 5 12 | 10 44 | 3 14 | 6 28 | 0 47 | 24 13 | 1 7 | 22 20 | 0 30 | 2 50 | 2 5 | 22 17 | 0 23 | 8 53 | 0 23 | 14 38 | 8 31 | 23 16 | 23 14 | 1 15 | 4 31 | 6 23 |
| W24 | 20 51 | 11 1 | 5 5 | 10 58 | 3 16 | 6 41 | 0 53 | 24 10 | 1 7 | 22 21 | 0 30 | 2 52 | 2 6 | 22 17 | 0 23 | 8 52 | 0 23 | 14 38 | 8 32 | 23 16 | 23 14 | 1 12 | 4 30 | 6 24 |
| T 25 | 21 1 | 15 56 | 4 38 | 11 15 | 3 18 | 6 53 | 1 0 | 24 8 | 1 7 | 22 23 | 0 30 | 2 54 | 2 6 | 22 17 | 0 23 | 8 52 | 0 23 | 14 38 | 8 32 | 23 16 | 23 14 | 1 9 | 4 29 | 6 24 |
| F 26 | 21 11 | 19 54 | 3 55 | 11 32 | 3 19 | 7 6 | 1 6 | 24 6 | 1 7 | 22 24 | 0 30 | 2 56 | 2 6 | 22 18 | 0 23 | 8 52 | 0 23 | 14 38 | 8 32 | 23 16 | 23 14 | 1 6 | 4 29 | 6 24 |
| S 27 | 21 21 | 22 39 | 2 58 | 11 51 | 3 19 | 7 20 | 1 11 | 24 3 | 1 7 | 22 25 | 0 30 | 2 58 | 2 6 | 22 18 | 0 23 | 8 52 | 0 23 | 14 38 | 8 32 | 23 16 | 23 14 | 1 3 | 4 28 | 6 25 |
| S 28 | 21 31 | 24 0 | 1 51 | 12 12 | 3 18 | 7 33 | 1 17 | 24 0 | 1 7 | 22 26 | 0 30 | 3 0 | 2 6 | 22 18 | 0 23 | 8 52 | 0 23 | 14 38 | 8 32 | 23 16 | 23 14 | 1 1 | 4 28 | 6 25 |
| M29 | 21 40 | 23 54 | 0 40 | 12 33 | 3 17 | 7 48 | 1 22 | 23 57 | 1 8 | 22 27 | 0 30 | 3 2 | 2 7 | 22 18 | 0 23 | 8 52 | 0 23 | 14 38 | 8 32 | 23 16 | 23 14 | 0 58 | 4 27 | 6 26 |
| T 30 | 21 49 | 22 29 | 0s32 | 12 56 | 3 15 | 8 2 | 1 28 | 23 53 | 1 8 | 22 28 | 0 30 | 3 3 | 2 7 | 22 19 | 0 23 | 8 52 | 0 23 | 14 38 | 8 32 | 23 16 | 23 14 | 0 55 | 4 26 | 6 26 |
| W31 | 21n57 | 19n55 | 1s40 | 13n19 | 3s13 | 8n16 | 1s33 | 23n50 | 1n 8 | 22n29 | 0s30 | 3n 5 | 2s 7 | 22s19 | 0s23 | 8s51 | 0s23 | 14s38 | 8n32 | 23s16 | 23s14 | 0n52 | 4s26 | 6n26 |

Julian Day Number = 2815812.5, Delta T = 54m35s
Ecliptic obliquity = 23°18'37, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°42'07, Lahiri = 37°49'07


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# ASTRODIENST EPHEMERIS for the year 2997
# geocentric

## JUNE 2997 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 41 32 | 11♊47'32 | 4♌ 8 | 16♉47 | 26♈ 8 | 13♋21 | 20♊51 | 12♈54 | 19°R14 | 8♓ 5 | 6°R21 | 3♑ 9 | 4♑17 | 16♍24 | 2♓43 | T 1 |
| F 2 | 16 45 29 | 12°45'25 | 16°20 | 18° 5 | 27° 2 | 14° 1 | 21° 5 | 12°59 | 19♑13 | 8° 5 | 6♑20 | 3°10 | 4°13 | 16°30 | 2°43 | F 2 |
| S 3 | 16 49 25 | 13°43'17 | 28°21 | 19°26 | 27°57 | 14°40 | 21°19 | 13° 4 | 19°11 | 8° 5 | 6°18 | 3°12 | 4°10 | 16°37 | 2°44 | S 3 |
| S 4 | 16 53 22 | 14°41'08 | 10♍16 | 20°50 | 28°52 | 15°19 | 21°33 | 13° 8 | 19° 9 | 8° 5 | 6°17 | 3°R12 | 4° 7 | 16°44 | 2°44 | S 4 |
| M 5 | 16 57 19 | 15°38'56 | 22° 9 | 22°16 | 29°48 | 15°59 | 21°47 | 13°13 | 19° 7 | 8° 5 | 6°15 | 3°12 | 4° 4 | 16°50 | 2°44 | M 5 |
| T 6 | 17 1 15 | 16°36'43 | 4♎ 4 | 23°44 | 0♉44 | 16°38 | 22° 2 | 13°18 | 19° 5 | 8° 6 | 6°14 | 3°11 | 4° 1 | 16°57 | 2°R44 | T 6 |
| W 7 | 17 5 12 | 17°34'29 | 16° 7 | 25°15 | 1°41 | 17°17 | 22°16 | 13°22 | 19° 3 | 8° 6 | 6°12 | 3°10 | 3°58 | 17° 4 | 2°44 | W 7 |
| T 8 | 17 9 8 | 18°32'13 | 28°21 | 26°48 | 2°38 | 17°56 | 22°30 | 13°27 | 19° 1 | 8° 6 | 6°11 | 3° 8 | 3°54 | 17°11 | 2°44 | T 8 |
| F 9 | 17 13 5 | 19°29'55 | 10♏50 | 28°23 | 3°35 | 18°35 | 22°44 | 13°31 | 18°59 | 8°R 6 | 6° 9 | 3° 6 | 3°51 | 17°17 | 2°43 | F 9 |
| S 10 | 17 17 1 | 20°27'36 | 23°35 | 0♊ 1 | 4°33 | 19°15 | 22°58 | 13°35 | 18°57 | 8° 6 | 6° 8 | 3° 4 | 3°48 | 17°24 | 2°43 | S 10 |
| S 11 | 17 20 58 | 21°25'16 | 6♐38 | 1°41 | 5°32 | 19°54 | 23°12 | 13°40 | 18°55 | 8° 6 | 6° 6 | 3° 3 | 3°45 | 17°31 | 2°43 | S 11 |
| M12 | 17 24 55 | 22°22'55 | 19°59 | 3°23 | 6°30 | 20°33 | 23°26 | 13°44 | 18°53 | 8° 6 | 6° 5 | 3° 2 | 3°42 | 17°37 | 2°42 | M12 |
| T 13 | 17 28 51 | 23°20'32 | 3♑37 | 5° 8 | 7°29 | 21°12 | 23°40 | 13°48 | 18°51 | 8° 5 | 6° 3 | 3°D 2 | 3°39 | 17°44 | 2°42 | T 13 |
| W14 | 17 32 48 | 24°18'09 | 17°29 | 6°54 | 8°29 | 21°51 | 23°54 | 13°52 | 18°49 | 8° 5 | 6° 2 | 3° 2 | 3°35 | 17°51 | 2°42 | W14 |
| T 15 | 17 36 44 | 25°15'44 | 1♒32 | 8°44 | 9°29 | 22°30 | 24° 8 | 13°56 | 18°47 | 8° 5 | 6° 0 | 3° 3 | 3°32 | 17°58 | 2°41 | T 15 |
| F 16 | 17 40 41 | 26°13'18 | 15°44 | 10°35 | 10°29 | 23° 9 | 24°22 | 14° 0 | 18°45 | 8° 5 | 5°59 | 3° 3 | 3°29 | 18° 4 | 2°40 | F 16 |
| S 17 | 17 44 37 | 27°10'52 | 29°59 | 12°29 | 11°29 | 23°48 | 24°36 | 14° 3 | 18°42 | 8° 5 | 5°57 | 3° 4 | 3°26 | 18°11 | 2°40 | S 17 |
| S 18 | 17 48 34 | 28° 8'24 | 14♓17 | 14°25 | 12°30 | 24°27 | 24°50 | 14° 7 | 18°40 | 8° 4 | 5°56 | 3° 4 | 3°23 | 18°18 | 2°39 | S 18 |
| M19 | 17 52 30 | 29° 5'56 | 28°32 | 16°23 | 13°31 | 25° 6 | 25° 4 | 14°10 | 18°38 | 8° 4 | 5°54 | 3°R 4 | 3°19 | 18°24 | 2°38 | M19 |
| T 20 | 17 56 27 | 0♋ 3'28 | 12♈43 | 18°23 | 14°32 | 25°45 | 25°18 | 14°14 | 18°36 | 8° 4 | 5°52 | 3° 4 | 3°16 | 18°31 | 2°37 | T 20 |
| W21 | 18 0 24 | 1° 0'58 | 26°48 | 20°25 | 15°34 | 26°24 | 25°32 | 14°17 | 18°33 | 8° 3 | 5°51 | 3° 4 | 3°13 | 18°38 | 2°36 | W21 |
| T 22 | 18 4 20 | 1°58'28 | 10♉43 | 22°30 | 16°36 | 27° 2 | 25°46 | 14°21 | 18°31 | 8° 3 | 5°49 | 3° 4 | 3°10 | 18°45 | 2°35 | T 22 |
| F 23 | 18 8 17 | 2°55'58 | 24°28 | 24°35 | 17°38 | 27°41 | 26° 0 | 14°24 | 18°29 | 8° 3 | 5°48 | 3°D 4 | 3° 7 | 18°51 | 2°34 | F 23 |
| S 24 | 18 12 13 | 3°53'27 | 8♊ 0 | 26°43 | 18°40 | 28°20 | 26°14 | 14°27 | 18°26 | 8° 2 | 5°46 | 3° 4 | 3° 4 | 18°58 | 2°33 | S 24 |
| S 25 | 18 16 10 | 4°50'55 | 21°19 | 28°52 | 19°43 | 28°59 | 26°28 | 14°30 | 18°24 | 8° 2 | 5°45 | 3° 4 | 3° 0 | 19° 5 | 2°32 | S 25 |
| M26 | 18 20 6 | 5°48'22 | 4♋23 | 1♋ 2 | 20°46 | 29°38 | 26°42 | 14°33 | 18°22 | 8° 1 | 5°43 | 3°R 4 | 2°57 | 19°12 | 2°31 | M26 |
| T 27 | 18 24 3 | 6°45'49 | 17°13 | 3°13 | 21°49 | 0♌17 | 26°56 | 14°36 | 18°19 | 8° 1 | 5°41 | 3° 4 | 2°54 | 19°18 | 2°29 | T 27 |
| W28 | 18 27 59 | 7°43'14 | 29°47 | 5°24 | 22°53 | 0°55 | 27°10 | 14°39 | 18°17 | 8° 0 | 5°40 | 3° 4 | 2°51 | 19°25 | 2°28 | W28 |
| T 29 | 18 31 56 | 8°40'39 | 12♌ 8 | 7°36 | 23°56 | 1°34 | 27°24 | 14°41 | 18°15 | 7°59 | 5°38 | 3° 3 | 2°48 | 19°32 | 2°27 | T 29 |
| F 30 | 18 35 53 | 9♋38'03 | 24♌18 | 9♋49 | 25♉ 0 | 2♌13 | 27♊38 | 14♈44 | 18♑12 | 7♓59 | 5♑37 | 3♑ 2 | 2♑45 | 19♍38 | 2♓25 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n 5 | 16n29 | 2s43 | 13n44 | 3s10 | 8n31 | 1s37 | 23n46 | 1n 8 | 22n30 | 0s29 | 3n 7 | 2s 7 | 22s19 | 0s23 | 8s51 | 0s23 | 14s38 | 8n32 | 23s16 | 23s14 | 0n49 | 4s25 | 6n27 |
| F 2 | 22 12 | 12 25 | 3 36 | 14 9 | 3 6 | 8 46 | 1 42 | 23 42 | 1 8 | 22 31 | 0 29 | 3 8 | 2 7 | 22 19 | 0 23 | 8 51 | 0 23 | 14 38 | 8 32 | 23 16 | 23 15 | 0 46 | 4 25 | 6 27 |
| S 3 | 22 19 | 7 55 | 4 19 | 14 35 | 3 2 | 9 2 | 1 47 | 23 38 | 1 8 | 22 32 | 0 29 | 3 10 | 2 8 | 22 20 | 0 23 | 8 51 | 0 23 | 14 38 | 8 32 | 23 16 | 23 15 | 0 44 | 4 25 | 6 27 |
| S 4 | 22 26 | 3 11 | 4 51 | 15 1 | 2 57 | 9 17 | 1 51 | 23 34 | 1 8 | 22 33 | 0 29 | 3 12 | 2 8 | 22 20 | 0 23 | 8 51 | 0 23 | 14 38 | 8 32 | 23 16 | 23 15 | 0 41 | 4 24 | 6 28 |
| M 5 | 22 33 | 1s39 | 5 10 | 15 28 | 2 51 | 9 33 | 1 55 | 23 30 | 1 8 | 22 34 | 0 29 | 3 13 | 2 8 | 22 20 | 0 23 | 8 51 | 0 23 | 14 38 | 8 32 | 23 16 | 23 15 | 0 38 | 4 24 | 6 28 |
| T 6 | 22 38 | 6 26 | 5 15 | 15 56 | 2 46 | 9 49 | 1 59 | 23 25 | 1 9 | 22 35 | 0 29 | 3 15 | 2 8 | 22 21 | 0 23 | 8 51 | 0 23 | 14 38 | 8 32 | 23 16 | 23 15 | 0 35 | 4 24 | 6 29 |
| W 7 | 22 44 | 11 2 | 5 7 | 16 24 | 2 39 | 10 5 | 2 2 | 23 20 | 1 9 | 22 36 | 0 29 | 3 17 | 2 8 | 22 21 | 0 23 | 8 51 | 0 23 | 14 39 | 8 32 | 23 16 | 23 15 | 0 32 | 4 23 | 6 29 |
| T 8 | 22 49 | 15 17 | 4 46 | 16 52 | 2 32 | 10 21 | 2 6 | 23 15 | 1 9 | 22 37 | 0 29 | 3 18 | 2 9 | 22 21 | 0 23 | 8 51 | 0 23 | 14 39 | 8 32 | 23 16 | 23 15 | 0 30 | 4 23 | 6 29 |
| F 9 | 22 54 | 18 57 | 4 10 | 17 20 | 2 25 | 10 37 | 2 9 | 23 10 | 1 9 | 22 38 | 0 29 | 3 20 | 2 9 | 22 21 | 0 23 | 8 51 | 0 23 | 14 39 | 8 32 | 23 16 | 23 15 | 0 27 | 4 23 | 6 30 |
| S 10 | 22 58 | 21 49 | 3 21 | 17 49 | 2 17 | 10 53 | 2 12 | 23 5 | 1 9 | 22 39 | 0 29 | 3 21 | 2 9 | 22 22 | 0 23 | 8 51 | 0 23 | 14 39 | 8 32 | 23 16 | 23 15 | 0 24 | 4 22 | 6 30 |
| S 11 | 23 2 | 23 37 | 2 21 | 18 17 | 2 9 | 11 10 | 2 15 | 22 59 | 1 9 | 22 40 | 0 29 | 3 22 | 2 9 | 22 22 | 0 23 | 8 51 | 0 23 | 14 39 | 8 32 | 23 17 | 23 15 | 0 21 | 4 22 | 6 30 |
| M12 | 23 6 | 24 7 | 1 12 | 18 45 | 2 0 | 11 26 | 2 18 | 22 53 | 1 9 | 22 41 | 0 28 | 3 24 | 2 10 | 22 22 | 0 23 | 8 51 | 0 24 | 14 39 | 8 32 | 23 17 | 23 16 | 0 18 | 4 22 | 6 31 |
| T 13 | 23 9 | 23 12 | 0n 3 | 19 13 | 1 51 | 11 43 | 2 21 | 22 47 | 1 9 | 22 41 | 0 28 | 3 25 | 2 10 | 22 23 | 0 23 | 8 51 | 0 24 | 14 39 | 8 32 | 23 17 | 23 16 | 0 15 | 4 22 | 6 31 |
| W14 | 23 11 | 20 52 | 1 19 | 19 41 | 1 41 | 12 0 | 2 23 | 22 41 | 1 9 | 22 42 | 0 28 | 3 26 | 2 10 | 22 23 | 0 23 | 8 51 | 0 24 | 14 39 | 8 32 | 23 17 | 23 16 | 0 13 | 4 22 | 6 31 |
| T 15 | 23 14 | 17 15 | 2 31 | 20 8 | 1 31 | 12 16 | 2 25 | 22 35 | 1 9 | 22 43 | 0 28 | 3 28 | 2 10 | 22 23 | 0 23 | 8 51 | 0 24 | 14 39 | 8 32 | 23 17 | 23 16 | 0 10 | 4 21 | 6 32 |
| F 16 | 23 15 | 12 36 | 3 35 | 20 34 | 1 21 | 12 33 | 2 28 | 22 29 | 1 10 | 22 43 | 0 28 | 3 29 | 2 11 | 22 24 | 0 23 | 8 52 | 0 24 | 14 39 | 8 32 | 23 17 | 23 16 | 0 7 | 4 21 | 6 32 |
| S 17 | 23 17 | 7 16 | 4 26 | 21 0 | 1 11 | 12 49 | 2 30 | 22 22 | 1 10 | 22 44 | 0 28 | 3 30 | 2 11 | 22 24 | 0 23 | 8 52 | 0 24 | 14 39 | 8 32 | 23 16 | 23 16 | 0 4 | 4 21 | 6 33 |
| S 18 | 23 18 | 1 32 | 5 0 | 21 24 | 1 0 | 13 6 | 2 31 | 22 15 | 1 10 | 22 45 | 0 28 | 3 31 | 2 11 | 22 24 | 0 23 | 8 52 | 0 24 | 14 40 | 8 32 | 23 16 | 23 16 | 0 1 | 4 21 | 6 33 |
| M19 | 23 18 | 4n15 | 5 16 | 21 48 | 0 50 | 13 22 | 2 33 | 22 9 | 1 10 | 22 45 | 0 28 | 3 33 | 2 11 | 22 25 | 0 23 | 8 52 | 0 24 | 14 40 | 8 32 | 23 16 | 23 16 | 0s 1 | 4 21 | 6 33 |
| T 20 | 23 19 | 9 48 | 5 12 | 22 10 | 0 39 | 13 39 | 2 35 | 22 1 | 1 10 | 22 46 | 0 28 | 3 34 | 2 11 | 22 25 | 0 23 | 8 52 | 0 24 | 14 40 | 8 31 | 23 16 | 23 16 | 0 4 | 4 21 | 6 34 |
| W21 | 23 18 | 14 47 | 4 50 | 22 30 | 0 28 | 13 55 | 2 36 | 21 54 | 1 10 | 22 46 | 0 28 | 3 35 | 2 12 | 22 25 | 0 24 | 8 52 | 0 24 | 14 40 | 8 31 | 23 16 | 23 16 | 0 7 | 4 21 | 6 34 |
| T 22 | 23 18 | 18 56 | 4 11 | 22 49 | 0 17 | 14 12 | 2 37 | 21 47 | 1 10 | 22 47 | 0 28 | 3 36 | 2 12 | 22 26 | 0 24 | 8 52 | 0 24 | 14 40 | 8 31 | 23 16 | 23 16 | 0 10 | 4 21 | 6 34 |
| F 23 | 23 17 | 21 59 | 3 18 | 23 6 | 0 6 | 14 28 | 2 38 | 21 39 | 1 10 | 22 48 | 0 28 | 3 37 | 2 12 | 22 26 | 0 24 | 8 53 | 0 24 | 14 40 | 8 31 | 23 16 | 23 16 | 0 13 | 4 21 | 6 35 |
| S 24 | 23 15 | 23 44 | 2 15 | 23 21 | 0n 5 | 14 44 | 2 39 | 21 32 | 1 10 | 22 48 | 0 27 | 3 38 | 2 12 | 22 26 | 0 24 | 8 53 | 0 24 | 14 40 | 8 31 | 23 16 | 23 16 | 0 15 | 4 21 | 6 35 |
| S 25 | 23 13 | 24 6 | 1 5 | 23 34 | 0 16 | 15 0 | 2 40 | 21 24 | 1 10 | 22 48 | 0 27 | 3 39 | 2 13 | 22 27 | 0 24 | 8 53 | 0 24 | 14 41 | 8 31 | 23 16 | 23 17 | 0 18 | 4 21 | 6 35 |
| M26 | 23 11 | 23 7 | 0s 7 | 23 44 | 0 26 | 15 16 | 2 41 | 21 16 | 1 10 | 22 49 | 0 27 | 3 40 | 2 13 | 22 27 | 0 24 | 8 53 | 0 24 | 14 41 | 8 31 | 23 16 | 23 17 | 0 21 | 4 22 | 6 36 |
| T 27 | 23 8 | 20 56 | 1 18 | 23 52 | 0 36 | 15 31 | 2 41 | 21 7 | 1 10 | 22 49 | 0 27 | 3 40 | 2 13 | 22 27 | 0 24 | 8 53 | 0 24 | 14 41 | 8 31 | 23 16 | 23 17 | 0 24 | 4 22 | 6 36 |
| W28 | 23 5 | 17 45 | 2 23 | 23 58 | 0 46 | 15 47 | 2 42 | 20 59 | 1 10 | 22 50 | 0 27 | 3 41 | 2 14 | 22 28 | 0 24 | 8 54 | 0 24 | 14 41 | 8 31 | 23 16 | 23 17 | 0 27 | 4 22 | 6 36 |
| T 29 | 23 2 | 13 52 | 3 20 | 24 0 | 0 55 | 16 2 | 2 42 | 20 51 | 1 10 | 22 50 | 0 27 | 3 42 | 2 14 | 22 28 | 0 24 | 8 54 | 0 24 | 14 41 | 8 31 | 23 17 | 23 17 | 0 29 | 4 22 | 6 37 |
| F 30 | 22n58 | 9n28 | 4s 7 | 24n 0 | 1n 3 | 16n17 | 2s42 | 20n42 | 1n10 | 22n50 | 0s27 | 3n43 | 2s14 | 22s28 | 0s24 | 8s54 | 0s24 | 14s41 | 8n30 | 23s17 | 23s17 | 0s32 | 4s22 | 6n37 |

Julian Day Number = 2815843.5, Delta T = 54m35s
Ecliptic obliquity = 23°18'37, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°42'11, Lahiri = 37°49'11


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# ASTRODIENST EPHEMERIS for the year 2997
# geocentric

## JULY 2997 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 39 49 | 10♋35'26 | 6♍18 | 12♋ 1 | 26♉ 4 | 2♌52 | 27♊52 | 14♈46 | 18°R10 | 7°R58 | 5°R35 | 3°R 1 | 2♑41 | 19♍45 | 2°R23 | S 1 |
| S 2 | 18 43 46 | 11°32'49 | 18°13 | 14°12 | 27° 8 | 3°30 | 28° 6 | 14°49 | 18♑ 7 | 7♓57 | 5♑33 | 3♑ 0 | 2°38 | 19°52 | 2♓22 | S 2 |
| M 3 | 18 47 42 | 12°30'10 | 0♎ 5 | 16°23 | 28°13 | 4° 9 | 28°19 | 14°51 | 18° 5 | 7°57 | 5°32 | 3° 0 | 2°35 | 19°59 | 2°20 | M 3 |
| T 4 | 18 51 39 | 13°27'31 | 12° 1 | 18°33 | 29°17 | 4°48 | 28°33 | 14°53 | 18° 2 | 7°56 | 5°30 | 2°D59 | 2°32 | 20° 5 | 2°19 | T 4 |
| W 5 | 18 55 35 | 14°24'50 | 24° 3 | 20°42 | 0♊22 | 5°26 | 28°47 | 14°55 | 18° 0 | 7°55 | 5°29 | 3° 0 | 2°29 | 20°12 | 2°17 | W 5 |
| T 6 | 18 59 32 | 15°22'09 | 6♏17 | 22°50 | 1°27 | 6° 5 | 29° 1 | 14°57 | 17°58 | 7°54 | 5°27 | 3° 0 | 2°25 | 20°19 | 2°15 | T 6 |
| F 7 | 19 3 28 | 16°19'28 | 18°46 | 24°56 | 2°32 | 6°44 | 29°14 | 14°59 | 17°55 | 7°53 | 5°26 | 3° 1 | 2°22 | 20°25 | 2°13 | F 7 |
| S 8 | 19 7 25 | 17°16'45 | 1♐35 | 27° 0 | 3°37 | 7°22 | 29°28 | 15° 1 | 17°53 | 7°53 | 5°24 | 3° 2 | 2°19 | 20°32 | 2°11 | S 8 |
| S 9 | 19 11 22 | 18°14'02 | 14°46 | 29° 3 | 4°43 | 8° 1 | 29°42 | 15° 3 | 17°50 | 7°52 | 5°22 | 3° 3 | 2°16 | 20°39 | 2° 9 | S 9 |
| M10 | 19 15 18 | 19°11'19 | 28°20 | 1♌ 3 | 5°49 | 8°39 | 29°55 | 15° 5 | 17°48 | 7°51 | 5°21 | 3°R 4 | 2°13 | 20°46 | 2° 7 | M10 |
| T 11 | 19 19 15 | 20° 8'35 | 12♑16 | 3° 2 | 6°54 | 9°18 | 0♋ 9 | 15° 6 | 17°45 | 7°50 | 5°19 | 3° 4 | 2°10 | 20°52 | 2° 5 | T 11 |
| W12 | 19 23 11 | 21° 5'51 | 26°32 | 4°59 | 8° 0 | 9°56 | 0°22 | 15° 8 | 17°43 | 7°49 | 5°18 | 3° 3 | 2° 6 | 20°59 | 2° 3 | W12 |
| T 13 | 19 27 8 | 22° 3'06 | 11♒ 2 | 6°54 | 9° 7 | 10°35 | 0°36 | 15° 9 | 17°40 | 7°48 | 5°16 | 3° 1 | 2° 3 | 21° 6 | 2° 1 | T 13 |
| F 14 | 19 31 4 | 23° 0'21 | 25°42 | 8°47 | 10°13 | 11°13 | 0°49 | 15°10 | 17°38 | 7°47 | 5°15 | 2°59 | 2° 0 | 21°12 | 1°59 | F 14 |
| S 15 | 19 35 1 | 23°57'36 | 10♓23 | 10°37 | 11°19 | 11°52 | 1° 3 | 15°11 | 17°36 | 7°46 | 5°13 | 2°56 | 1°57 | 21°19 | 1°56 | S 15 |
| S 16 | 19 38 57 | 24°54'51 | 24°59 | 12°26 | 12°26 | 12°30 | 1°16 | 15°12 | 17°33 | 7°45 | 5°12 | 2°54 | 1°54 | 21°26 | 1°54 | S 16 |
| M17 | 19 42 54 | 25°52'06 | 9♈26 | 14°12 | 13°33 | 13° 9 | 1°30 | 15°13 | 17°31 | 7°44 | 5°10 | 2°52 | 1°51 | 21°33 | 1°52 | M17 |
| T 18 | 19 46 51 | 26°49'22 | 23°39 | 15°56 | 14°39 | 13°47 | 1°43 | 15°14 | 17°28 | 7°43 | 5° 9 | 2°D51 | 1°47 | 21°39 | 1°49 | T 18 |
| W19 | 19 50 47 | 27°46'37 | 7♉36 | 17°38 | 15°47 | 14°26 | 1°56 | 15°15 | 17°26 | 7°41 | 5° 8 | 2°51 | 1°44 | 21°46 | 1°47 | W19 |
| T 20 | 19 54 44 | 28°43'53 | 21°16 | 19°18 | 16°54 | 15° 4 | 2°10 | 15°16 | 17°23 | 7°40 | 5° 6 | 2°53 | 1°41 | 21°53 | 1°44 | T 20 |
| F 21 | 19 58 40 | 29°41'09 | 4♊41 | 20°56 | 18° 1 | 15°43 | 2°23 | 15°16 | 17°21 | 7°39 | 5° 5 | 2°54 | 1°38 | 22° 0 | 1°42 | F 21 |
| S 22 | 20 2 37 | 0♌38'25 | 17°50 | 22°32 | 19° 8 | 16°21 | 2°36 | 15°17 | 17°19 | 7°38 | 5° 3 | 2°55 | 1°35 | 22° 6 | 1°39 | S 22 |
| S 23 | 20 6 33 | 1°35'42 | 0♋46 | 24° 5 | 20°16 | 16°59 | 2°49 | 15°17 | 17°16 | 7°37 | 5° 2 | 2°R56 | 1°31 | 22°13 | 1°37 | S 23 |
| M24 | 20 10 30 | 2°32'59 | 13°29 | 25°37 | 21°24 | 17°38 | 3° 2 | 15°17 | 17°14 | 7°35 | 5° 1 | 2°56 | 1°28 | 22°20 | 1°34 | M24 |
| T 25 | 20 14 27 | 3°30'15 | 26° 1 | 27° 6 | 22°31 | 18°16 | 3°15 | 15°17 | 17°12 | 7°34 | 4°59 | 2°54 | 1°25 | 22°26 | 1°31 | T 25 |
| W26 | 20 18 23 | 4°27'32 | 8♌22 | 28°33 | 23°39 | 18°55 | 3°28 | 15°R17 | 17° 9 | 7°33 | 4°58 | 2°50 | 1°22 | 22°33 | 1°29 | W26 |
| T 27 | 20 22 20 | 5°24'49 | 20°33 | 29°58 | 24°47 | 19°33 | 3°41 | 15°17 | 17° 7 | 7°32 | 4°57 | 2°46 | 1°19 | 22°40 | 1°26 | T 27 |
| F 28 | 20 26 16 | 6°22'06 | 2♍37 | 1♍20 | 25°55 | 20°11 | 3°54 | 15°17 | 17° 5 | 7°30 | 4°55 | 2°40 | 1°16 | 22°47 | 1°23 | F 28 |
| S 29 | 20 30 13 | 7°19'24 | 14°34 | 2°41 | 27° 4 | 20°50 | 4° 7 | 15°17 | 17° 3 | 7°29 | 4°54 | 2°34 | 1°12 | 22°53 | 1°20 | S 29 |
| S 30 | 20 34 9 | 8°16'41 | 26°26 | 3°59 | 28°12 | 21°28 | 4°19 | 15°16 | 17° 0 | 7°28 | 4°53 | 2°28 | 1° 9 | 23° 0 | 1°18 | S 30 |
| M31 | 20 38 6 | 9♌13'58 | 8♎18 | 5♍14 | 29♊20 | 22♌ 6 | 4♋32 | 15♈16 | 16♑58 | 7♓26 | 4♑52 | 2♑23 | 1♑ 6 | 23♍ 7 | 1♓15 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n53 | 4n46 | 4s43 | 23n57 | 1n12 | 16n32 | 2s42 | 20n33 | 1n10 | 22n51 | 0s27 | 3n44 | 2s14 | 22s29 | 0s24 | 8s54 | 0s24 | 14s42 | 8n30 | 23s17 | 23s17 | 0s35 | 4s23 | 6n37 |
| S 2 | 22 49 | 0s 4 | 5 6 | 23 52 | 1 19 | 16 47 | 2 42 | 20 24 | 1 10 | 22 51 | 0 27 | 3 44 | 2 15 | 22 29 | 0 24 | 8 55 | 0 24 | 14 42 | 8 30 | 23 17 | 23 17 | 0 38 | 4 23 | 6 37 |
| M 3 | 22 44 | 4 52 | 5 16 | 23 44 | 1 26 | 17 1 | 2 42 | 20 15 | 1 10 | 22 51 | 0 27 | 3 45 | 2 15 | 22 29 | 0 24 | 8 55 | 0 24 | 14 42 | 8 30 | 23 17 | 23 17 | 0 40 | 4 23 | 6 38 |
| T 4 | 22 38 | 9 31 | 5 12 | 23 33 | 1 32 | 17 15 | 2 42 | 20 6 | 1 10 | 22 51 | 0 27 | 3 45 | 2 15 | 22 30 | 0 24 | 8 55 | 0 24 | 14 42 | 8 30 | 23 17 | 23 17 | 0 43 | 4 23 | 6 38 |
| W 5 | 22 32 | 13 51 | 4 55 | 23 20 | 1 37 | 17 29 | 2 41 | 19 57 | 1 10 | 22 52 | 0 27 | 3 46 | 2 15 | 22 30 | 0 24 | 8 56 | 0 24 | 14 42 | 8 30 | 23 17 | 23 17 | 0 46 | 4 24 | 6 38 |
| T 6 | 22 26 | 17 42 | 4 25 | 23 4 | 1 42 | 17 43 | 2 41 | 19 47 | 1 10 | 22 52 | 0 27 | 3 47 | 2 16 | 22 30 | 0 24 | 8 56 | 0 24 | 14 43 | 8 30 | 23 17 | 23 17 | 0 49 | 4 24 | 6 39 |
| F 7 | 22 19 | 20 51 | 3 41 | 22 46 | 1 46 | 17 56 | 2 40 | 19 38 | 1 10 | 22 52 | 0 26 | 3 47 | 2 16 | 22 31 | 0 24 | 8 56 | 0 24 | 14 43 | 8 30 | 23 17 | 23 17 | 0 52 | 4 25 | 6 39 |
| S 8 | 22 12 | 23 4 | 2 45 | 22 25 | 1 49 | 18 9 | 2 39 | 19 28 | 1 10 | 22 52 | 0 26 | 3 47 | 2 16 | 22 31 | 0 24 | 8 57 | 0 24 | 14 43 | 8 29 | 23 17 | 23 17 | 0 54 | 4 25 | 6 39 |
| S 9 | 22 5 | 24 5 | 1 39 | 22 3 | 1 51 | 18 22 | 2 39 | 19 18 | 1 10 | 22 52 | 0 26 | 3 48 | 2 16 | 22 31 | 0 24 | 8 57 | 0 24 | 14 43 | 8 29 | 23 16 | 23 17 | 0 57 | 4 25 | 6 39 |
| M10 | 21 57 | 23 44 | 0 26 | 21 39 | 1 53 | 18 34 | 2 38 | 19 8 | 1 10 | 22 52 | 0 26 | 3 48 | 2 17 | 22 32 | 0 24 | 8 57 | 0 24 | 14 43 | 8 29 | 23 16 | 23 17 | 1 0 | 4 26 | 6 40 |
| T 11 | 21 48 | 21 54 | 0n51 | 21 13 | 1 53 | 18 46 | 2 37 | 18 58 | 1 10 | 22 52 | 0 26 | 3 49 | 2 17 | 22 32 | 0 24 | 8 58 | 0 24 | 14 44 | 8 29 | 23 16 | 23 18 | 1 3 | 4 26 | 6 40 |
| W12 | 21 40 | 18 40 | 2 6 | 20 45 | 1 53 | 18 58 | 2 35 | 18 47 | 1 10 | 22 52 | 0 26 | 3 49 | 2 17 | 22 32 | 0 24 | 8 58 | 0 24 | 14 44 | 8 29 | 23 17 | 23 18 | 1 6 | 4 27 | 6 40 |
| T 13 | 21 31 | 14 15 | 3 14 | 20 16 | 1 53 | 19 9 | 2 34 | 18 37 | 1 10 | 22 52 | 0 26 | 3 49 | 2 17 | 22 33 | 0 24 | 8 58 | 0 24 | 14 44 | 8 29 | 23 17 | 23 18 | 1 8 | 4 27 | 6 40 |
| F 14 | 21 22 | 8 57 | 4 11 | 19 46 | 1 51 | 19 20 | 2 33 | 18 27 | 1 10 | 22 52 | 0 26 | 3 49 | 2 18 | 22 33 | 0 24 | 8 59 | 0 24 | 14 44 | 8 28 | 23 17 | 23 18 | 1 11 | 4 28 | 6 41 |
| S 15 | 21 12 | 3 9 | 4 50 | 19 14 | 1 49 | 19 31 | 2 31 | 18 16 | 1 10 | 22 52 | 0 26 | 3 50 | 2 18 | 22 33 | 0 24 | 8 59 | 0 24 | 14 45 | 8 28 | 23 17 | 23 18 | 1 14 | 4 29 | 6 41 |
| S 16 | 21 2 | 2n47 | 5 11 | 18 41 | 1 47 | 19 41 | 2 30 | 18 5 | 1 10 | 22 52 | 0 26 | 3 50 | 2 18 | 22 34 | 0 24 | 9 0 | 0 24 | 14 45 | 8 28 | 23 17 | 23 18 | 1 17 | 4 29 | 6 41 |
| M17 | 20 51 | 8 30 | 5 12 | 18 8 | 1 43 | 19 51 | 2 28 | 17 54 | 1 10 | 22 52 | 0 26 | 3 50 | 2 19 | 22 34 | 0 24 | 9 0 | 0 24 | 14 45 | 8 28 | 23 17 | 23 18 | 1 19 | 4 30 | 6 41 |
| T 18 | 20 41 | 13 41 | 4 54 | 17 33 | 1 40 | 20 0 | 2 26 | 17 43 | 1 10 | 22 52 | 0 26 | 3 50 | 2 19 | 22 34 | 0 24 | 9 1 | 0 24 | 14 45 | 8 28 | 23 17 | 23 18 | 1 22 | 4 30 | 6 42 |
| W19 | 20 30 | 18 3 | 4 19 | 16 58 | 1 35 | 20 9 | 2 25 | 17 32 | 1 10 | 22 52 | 0 26 | 3 50 | 2 19 | 22 34 | 0 24 | 9 1 | 0 24 | 14 46 | 8 27 | 23 17 | 23 18 | 1 25 | 4 31 | 6 42 |
| T 20 | 20 18 | 21 20 | 3 29 | 16 23 | 1 30 | 20 18 | 2 23 | 17 21 | 1 10 | 22 52 | 0 26 | 3 50 | 2 19 | 22 35 | 0 24 | 9 1 | 0 24 | 14 46 | 8 27 | 23 17 | 23 18 | 1 28 | 4 32 | 6 42 |
| F 21 | 20 6 | 23 24 | 2 29 | 15 46 | 1 24 | 20 26 | 2 21 | 17 9 | 1 10 | 22 52 | 0 26 | 3 50 | 2 20 | 22 35 | 0 24 | 9 2 | 0 24 | 14 46 | 8 27 | 23 17 | 23 18 | 1 30 | 4 32 | 6 42 |
| S 22 | 19 54 | 24 7 | 1 22 | 15 10 | 1 18 | 20 34 | 2 19 | 16 58 | 1 10 | 22 52 | 0 26 | 3 50 | 2 20 | 22 35 | 0 24 | 9 2 | 0 24 | 14 46 | 8 27 | 23 17 | 23 18 | 1 33 | 4 33 | 6 42 |
| S 23 | 19 42 | 23 30 | 0 12 | 14 33 | 1 11 | 20 41 | 2 17 | 16 46 | 1 10 | 22 51 | 0 25 | 3 50 | 2 20 | 22 36 | 0 24 | 9 3 | 0 24 | 14 47 | 8 26 | 23 17 | 23 18 | 1 36 | 4 34 | 6 42 |
| M24 | 19 29 | 21 41 | 0s57 | 13 55 | 1 4 | 20 48 | 2 15 | 16 35 | 1 10 | 22 51 | 0 25 | 3 50 | 2 20 | 22 36 | 0 24 | 9 3 | 0 24 | 14 47 | 8 26 | 23 17 | 23 18 | 1 39 | 4 35 | 6 43 |
| T 25 | 19 16 | 18 49 | 2 3 | 13 18 | 0 57 | 20 54 | 2 12 | 16 23 | 1 10 | 22 51 | 0 25 | 3 49 | 2 21 | 22 36 | 0 24 | 9 4 | 0 24 | 14 47 | 8 26 | 23 17 | 23 18 | 1 41 | 4 35 | 6 43 |
| W26 | 19 3 | 15 9 | 3 1 | 12 40 | 0 48 | 21 0 | 2 10 | 16 11 | 1 10 | 22 51 | 0 25 | 3 49 | 2 21 | 22 37 | 0 24 | 9 4 | 0 24 | 14 48 | 8 26 | 23 17 | 23 18 | 1 44 | 4 36 | 6 43 |
| T 27 | 18 49 | 10 55 | 3 51 | 12 3 | 0 40 | 21 5 | 2 8 | 15 59 | 1 10 | 22 50 | 0 25 | 3 49 | 2 21 | 22 37 | 0 24 | 9 5 | 0 24 | 14 48 | 8 26 | 23 17 | 23 18 | 1 47 | 4 37 | 6 43 |
| F 28 | 18 35 | 6 18 | 4 29 | 11 25 | 0 31 | 21 10 | 2 5 | 15 47 | 1 10 | 22 50 | 0 25 | 3 49 | 2 22 | 22 37 | 0 24 | 9 5 | 0 24 | 14 48 | 8 25 | 23 17 | 23 18 | 1 50 | 4 38 | 6 43 |
| S 29 | 18 20 | 1 30 | 4 55 | 10 48 | 0 22 | 21 14 | 2 3 | 15 35 | 1 10 | 22 50 | 0 25 | 3 48 | 2 22 | 22 37 | 0 24 | 9 6 | 0 25 | 14 48 | 8 25 | 23 17 | 23 18 | 1 52 | 4 39 | 6 43 |
| S 30 | 18 6 | 3s19 | 5 9 | 10 11 | 0 12 | 21 18 | 2 0 | 15 22 | 1 10 | 22 49 | 0 25 | 3 48 | 2 22 | 22 38 | 0 24 | 9 6 | 0 25 | 14 49 | 8 25 | 23 17 | 23 18 | 1 55 | 4 39 | 6 44 |
| M31 | 17n51 | 8s 0 | 5s 9 | 9n34 | 0n 2 | 21n21 | 1s58 | 15n10 | 1n10 | 22n49 | 0s25 | 3n47 | 2s22 | 22s38 | 0s24 | 9s 7 | 0s25 | 14s49 | 8n25 | 23s17 | 23s18 | 1s58 | 4s40 | 6n44 |

Julian Day Number = 2815873.5, Delta T = 54m36s
Ecliptic obliquity = 23°18'36, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°42'15, Lahiri = 37°49'15


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# ASTRODIENST EPHEMERIS for the year 2997
# geocentric

## AUGUST 2997 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 42 2 | 10♌11'15 | 20♎12 | 6♍27 | 0♋29 | 22♌45 | 4♋45 | 15°R15 | 16°R56 | 7°R25 | 4°R50 | 2°R19 | 1♉ 3 | 23♍13 | 1°R12 | T 1 |
| W 2 | 20 45 59 | 11° 8'33 | 2♏12 | 7°38 | 1°38 | 23°23 | 4°57 | 15♈15 | 16♉54 | 7♓23 | 4♉49 | 2♉18 | 1° 0 | 23°20 | 1♓ 9 | W 2 |
| T 3 | 20 49 55 | 12° 5'51 | 14°23 | 8°46 | 2°46 | 24° 1 | 5°10 | 15°14 | 16°52 | 7°22 | 4°48 | 2°D17 | 0°57 | 23°27 | 1° 6 | T 3 |
| F 4 | 20 53 52 | 13° 3'08 | 26°50 | 9°52 | 3°55 | 24°39 | 5°22 | 15°13 | 16°50 | 7°20 | 4°47 | 2°18 | 0°53 | 23°34 | 1° 3 | F 4 |
| S 5 | 20 57 49 | 14° 0'26 | 9♐37 | 10°54 | 5° 4 | 25°18 | 5°35 | 15°12 | 16°47 | 7°19 | 4°46 | 2°19 | 0°50 | 23°40 | 1° 0 | S 5 |
| S 6 | 21 1 45 | 14°57'44 | 22°47 | 11°54 | 6°13 | 25°56 | 5°47 | 15°11 | 16°45 | 7°18 | 4°44 | 2°20 | 0°47 | 23°47 | 0°57 | S 6 |
| M 7 | 21 5 42 | 15°55'03 | 6♑25 | 12°51 | 7°22 | 26°34 | 5°59 | 15°10 | 16°43 | 7°16 | 4°43 | 2°R21 | 0°44 | 23°54 | 0°54 | M 7 |
| T 8 | 21 9 38 | 16°52'22 | 20°29 | 13°45 | 8°32 | 27°13 | 6°11 | 15° 9 | 16°41 | 7°15 | 4°42 | 2°19 | 0°41 | 24° 1 | 0°51 | T 8 |
| W 9 | 21 13 35 | 17°49'41 | 4♒59 | 14°35 | 9°41 | 27°51 | 6°23 | 15° 7 | 16°39 | 7°13 | 4°41 | 2°16 | 0°37 | 24° 7 | 0°48 | W 9 |
| T 10 | 21 17 31 | 18°47'00 | 19°49 | 15°22 | 10°50 | 28°29 | 6°36 | 15° 6 | 16°37 | 7°12 | 4°40 | 2°11 | 0°34 | 24°14 | 0°45 | T 10 |
| F 11 | 21 21 28 | 19°44'20 | 4♓51 | 16° 6 | 12° 0 | 29° 7 | 6°47 | 15° 4 | 16°35 | 7°10 | 4°39 | 2° 4 | 0°31 | 24°21 | 0°42 | F 11 |
| S 12 | 21 25 25 | 20°41'41 | 19°56 | 16°46 | 13° 9 | 29°45 | 6°59 | 15° 3 | 16°34 | 7° 8 | 4°38 | 1°57 | 0°28 | 24°27 | 0°39 | S 12 |
| S 13 | 21 29 21 | 21°39'03 | 4♈55 | 17°23 | 14°19 | 0♍24 | 7°11 | 15° 1 | 16°32 | 7° 7 | 4°37 | 1°51 | 0°25 | 24°34 | 0°35 | S 13 |
| M14 | 21 33 18 | 22°36'25 | 19°39 | 17°55 | 15°29 | 1° 2 | 7°23 | 14°59 | 16°30 | 7° 5 | 4°36 | 1°45 | 0°22 | 24°41 | 0°32 | M14 |
| T 15 | 21 37 14 | 23°33'49 | 4♉ 2 | 18°23 | 16°39 | 1°40 | 7°35 | 14°57 | 16°28 | 7° 4 | 4°35 | 1°41 | 0°18 | 24°48 | 0°29 | T 15 |
| W16 | 21 41 11 | 24°31'13 | 18° 2 | 18°47 | 17°49 | 2°18 | 7°46 | 14°55 | 16°26 | 7° 2 | 4°35 | 1°40 | 0°15 | 24°54 | 0°26 | W16 |
| T 17 | 21 45 7 | 25°28'39 | 1♊38 | 19° 6 | 18°59 | 2°56 | 7°58 | 14°53 | 16°25 | 7° 1 | 4°34 | 1°D40 | 0°12 | 25° 1 | 0°23 | T 17 |
| F 18 | 21 49 4 | 26°26'06 | 14°53 | 19°21 | 20° 9 | 3°35 | 8° 9 | 14°51 | 16°23 | 6°59 | 4°33 | 1°41 | 0° 9 | 25° 8 | 0°20 | F 18 |
| S 19 | 21 53 0 | 27°23'34 | 27°49 | 19°31 | 21°19 | 4°13 | 8°20 | 14°49 | 16°21 | 6°57 | 4°32 | 1°R41 | 0° 6 | 25°14 | 0°16 | S 19 |
| S 20 | 21 56 57 | 28°21'03 | 10♋28 | 19°R35 | 22°30 | 4°51 | 8°32 | 14°46 | 16°20 | 6°56 | 4°31 | 1°41 | 0° 3 | 25°21 | 0°13 | S 20 |
| M21 | 22 0 54 | 29°18'33 | 22°55 | 19°35 | 23°40 | 5°29 | 8°43 | 14°44 | 16°18 | 6°54 | 4°31 | 1°39 | 29♐59 | 25°28 | 0°10 | M21 |
| T 22 | 22 4 50 | 0♍16'05 | 5♌11 | 19°29 | 24°51 | 6° 7 | 8°54 | 14°41 | 16°17 | 6°53 | 4°30 | 1°34 | 29°56 | 25°35 | 0° 7 | T 22 |
| W23 | 22 8 47 | 1°13'37 | 17°20 | 19°18 | 26° 1 | 6°45 | 9° 5 | 14°39 | 16°15 | 6°51 | 4°29 | 1°27 | 29°53 | 25°41 | 0° 4 | W23 |
| T 24 | 22 12 43 | 2°11'10 | 29°22 | 19° 2 | 27°12 | 7°24 | 9°16 | 14°36 | 16°14 | 6°49 | 4°28 | 1°18 | 29°50 | 25°48 | 0° 1 | T 24 |
| F 25 | 22 16 40 | 3° 8'44 | 11♍19 | 18°40 | 28°23 | 8° 2 | 9°27 | 14°33 | 16°12 | 6°48 | 4°28 | 1° 6 | 29°47 | 25°55 | 29♒57 | F 25 |
| S 26 | 22 20 36 | 4° 6'20 | 23°12 | 18°13 | 29°33 | 8°40 | 9°37 | 14°30 | 16°11 | 6°46 | 4°27 | 0°55 | 29°43 | 26° 2 | 29°54 | S 26 |
| S 27 | 22 24 33 | 5° 3'56 | 5♎ 4 | 17°41 | 0♌44 | 9°18 | 9°48 | 14°27 | 16° 9 | 6°44 | 4°27 | 0°43 | 29°40 | 26° 8 | 29°51 | S 27 |
| M28 | 22 28 29 | 6° 1'33 | 16°55 | 17° 5 | 1°55 | 9°56 | 9°59 | 14°24 | 16° 8 | 6°43 | 4°26 | 0°33 | 29°37 | 26°15 | 29°48 | M28 |
| T 29 | 22 32 26 | 6°59'11 | 28°49 | 16°24 | 3° 6 | 10°34 | 10° 9 | 14°21 | 16° 7 | 6°41 | 4°26 | 0°24 | 29°34 | 26°22 | 29°45 | T 29 |
| W30 | 22 36 22 | 7°56'50 | 10♏49 | 15°40 | 4°18 | 11°13 | 10°19 | 14°18 | 16° 6 | 6°39 | 4°25 | 0°19 | 29°31 | 26°28 | 29°42 | W30 |
| T 31 | 22 40 19 | 8♍54'30 | 22♏58 | 14♍52 | 5♌29 | 11♍51 | 10♋30 | 14♈15 | 16♉ 4 | 6♓38 | 4♉25 | 0♉15 | 29♐28 | 26♍35 | 29♒38 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n36 | 12s25 | 4s56 | 8n58 | 0s 8 | 21n24 | 1s55 | 14n57 | 1n 9 | 22n49 | 0s25 | 3n47 | 2s23 | 22s38 | 0s24 | 9s 7 | 0s25 | 14s49 | 8n24 | 23s17 | 23s18 | 2s 1 | 4s41 | 6n44 |
| W 2 | 17 20 | 16 23 | 4 29 | 8 22 | 0 19 | 21 26 | 1 52 | 14 45 | 1 9 | 22 48 | 0 25 | 3 46 | 2 23 | 22 39 | 0 24 | 9 8 | 0 25 | 14 50 | 8 24 | 23 17 | 23 18 | 2 3 | 4 42 | 6 44 |
| T 3 | 17 4 | 19 44 | 3 51 | 7 46 | 0 30 | 21 28 | 1 49 | 14 32 | 1 9 | 22 48 | 0 25 | 3 46 | 2 23 | 22 39 | 0 24 | 9 8 | 0 25 | 14 50 | 8 24 | 23 17 | 23 18 | 2 6 | 4 43 | 6 44 |
| F 4 | 16 48 | 22 16 | 3 1 | 7 11 | 0 42 | 21 29 | 1 47 | 14 19 | 1 9 | 22 47 | 0 25 | 3 45 | 2 23 | 22 39 | 0 24 | 9 9 | 0 25 | 14 50 | 8 23 | 23 17 | 23 18 | 2 9 | 4 44 | 6 44 |
| S 5 | 16 32 | 23 45 | 2 0 | 6 37 | 0 53 | 21 29 | 1 44 | 14 6 | 1 9 | 22 47 | 0 25 | 3 45 | 2 24 | 22 39 | 0 24 | 9 10 | 0 25 | 14 51 | 8 23 | 23 17 | 23 18 | 2 12 | 4 45 | 6 44 |
| S 6 | 16 16 | 23 58 | 0 52 | 6 4 | 1 5 | 21 29 | 1 41 | 13 53 | 1 9 | 22 46 | 0 25 | 3 44 | 2 24 | 22 40 | 0 24 | 9 10 | 0 25 | 14 51 | 8 23 | 23 17 | 23 18 | 2 14 | 4 46 | 6 44 |
| M 7 | 15 59 | 22 47 | 0n22 | 5 31 | 1 17 | 21 29 | 1 38 | 13 40 | 1 9 | 22 46 | 0 25 | 3 43 | 2 24 | 22 40 | 0 24 | 9 11 | 0 25 | 14 51 | 8 23 | 23 17 | 23 18 | 2 17 | 4 47 | 6 44 |
| T 8 | 15 42 | 20 10 | 1 36 | 4 59 | 1 29 | 21 28 | 1 35 | 13 27 | 1 9 | 22 45 | 0 25 | 3 43 | 2 24 | 22 40 | 0 24 | 9 11 | 0 25 | 14 52 | 8 22 | 23 17 | 23 19 | 2 20 | 4 48 | 6 44 |
| W 9 | 15 24 | 16 13 | 2 47 | 4 29 | 1 41 | 21 26 | 1 32 | 13 14 | 1 9 | 22 45 | 0 25 | 3 42 | 2 25 | 22 40 | 0 24 | 9 12 | 0 25 | 14 52 | 8 22 | 23 17 | 23 19 | 2 23 | 4 49 | 6 44 |
| T 10 | 15 7 | 11 11 | 3 48 | 3 59 | 1 54 | 21 24 | 1 29 | 13 1 | 1 9 | 22 44 | 0 25 | 3 41 | 2 25 | 22 41 | 0 24 | 9 12 | 0 25 | 14 52 | 8 22 | 23 18 | 23 19 | 2 25 | 4 50 | 6 44 |
| F 11 | 14 49 | 5 26 | 4 33 | 3 31 | 2 6 | 21 21 | 1 26 | 12 47 | 1 9 | 22 44 | 0 24 | 3 40 | 2 25 | 22 41 | 0 24 | 9 13 | 0 25 | 14 53 | 8 21 | 23 18 | 23 19 | 2 28 | 4 51 | 6 44 |
| S 12 | 14 31 | 0n39 | 5 0 | 3 4 | 2 19 | 21 18 | 1 23 | 12 34 | 1 9 | 22 43 | 0 24 | 3 39 | 2 25 | 22 41 | 0 24 | 9 14 | 0 25 | 14 53 | 8 21 | 23 18 | 23 19 | 2 31 | 4 52 | 6 44 |
| S 13 | 14 13 | 6 38 | 5 7 | 2 38 | 2 31 | 21 14 | 1 20 | 12 20 | 1 8 | 22 43 | 0 24 | 3 39 | 2 26 | 22 41 | 0 24 | 9 14 | 0 25 | 14 53 | 8 21 | 23 18 | 23 19 | 2 34 | 4 53 | 6 44 |
| M14 | 13 54 | 12 9 | 4 52 | 2 14 | 2 44 | 21 9 | 1 16 | 12 7 | 1 8 | 22 42 | 0 24 | 3 38 | 2 26 | 22 41 | 0 24 | 9 15 | 0 25 | 14 54 | 8 21 | 23 18 | 23 19 | 2 36 | 4 54 | 6 44 |
| T 15 | 13 36 | 16 52 | 4 20 | 1 52 | 2 56 | 21 4 | 1 13 | 11 53 | 1 8 | 22 41 | 0 24 | 3 37 | 2 26 | 22 42 | 0 24 | 9 15 | 0 25 | 14 54 | 8 20 | 23 18 | 23 19 | 2 39 | 4 55 | 6 44 |
| W16 | 13 17 | 20 31 | 3 32 | 1 31 | 3 8 | 20 58 | 1 10 | 11 39 | 1 8 | 22 41 | 0 24 | 3 36 | 2 26 | 22 42 | 0 24 | 9 16 | 0 25 | 14 54 | 8 20 | 23 18 | 23 19 | 2 42 | 4 56 | 6 44 |
| T 17 | 12 58 | 22 54 | 2 34 | 1 13 | 3 20 | 20 52 | 1 7 | 11 26 | 1 8 | 22 40 | 0 24 | 3 35 | 2 27 | 22 42 | 0 24 | 9 17 | 0 25 | 14 55 | 8 20 | 23 18 | 23 19 | 2 44 | 4 57 | 6 44 |
| F 18 | 12 38 | 23 56 | 1 29 | 0 56 | 3 32 | 20 45 | 1 4 | 11 12 | 1 8 | 22 40 | 0 24 | 3 34 | 2 27 | 22 42 | 0 24 | 9 17 | 0 25 | 14 55 | 8 19 | 23 18 | 23 19 | 2 47 | 4 59 | 6 44 |
| S 19 | 12 19 | 23 38 | 0 21 | 0 42 | 3 44 | 20 38 | 1 0 | 10 58 | 1 8 | 22 39 | 0 24 | 3 32 | 2 27 | 22 43 | 0 24 | 9 18 | 0 25 | 14 55 | 8 19 | 23 18 | 23 19 | 2 50 | 5 0 | 6 44 |
| S 20 | 11 59 | 22 7 | 0s47 | 0 30 | 3 54 | 20 30 | 0 57 | 10 44 | 1 8 | 22 38 | 0 24 | 3 31 | 2 27 | 22 43 | 0 24 | 9 18 | 0 25 | 14 56 | 8 19 | 23 18 | 23 19 | 2 53 | 5 1 | 6 44 |
| M21 | 11 39 | 19 33 | 1 51 | 0 21 | 4 5 | 20 22 | 0 54 | 10 30 | 1 7 | 22 38 | 0 24 | 3 30 | 2 28 | 22 43 | 0 24 | 9 19 | 0 25 | 14 56 | 8 18 | 23 18 | 23 19 | 2 55 | 5 2 | 6 44 |
| T 22 | 11 19 | 16 8 | 2 49 | 0 14 | 4 14 | 20 13 | 0 51 | 10 16 | 1 7 | 22 37 | 0 24 | 3 29 | 2 28 | 22 43 | 0 24 | 9 20 | 0 25 | 14 56 | 8 18 | 23 18 | 23 19 | 2 58 | 5 3 | 6 44 |
| W23 | 10 59 | 12 5 | 3 38 | 0 10 | 4 23 | 20 3 | 0 47 | 10 2 | 1 7 | 22 36 | 0 24 | 3 28 | 2 28 | 22 43 | 0 24 | 9 20 | 0 25 | 14 57 | 8 18 | 23 18 | 23 19 | 3 1 | 5 4 | 6 44 |
| T 24 | 10 38 | 7 36 | 4 18 | 0 9 | 4 31 | 19 53 | 0 44 | 9 47 | 1 7 | 22 36 | 0 24 | 3 27 | 2 28 | 22 43 | 0 24 | 9 21 | 0 25 | 14 57 | 8 17 | 23 18 | 23 19 | 3 3 | 5 5 | 6 44 |
| F 25 | 10 18 | 2 53 | 4 45 | 0 12 | 4 38 | 19 42 | 0 41 | 9 33 | 1 7 | 22 35 | 0 24 | 3 25 | 2 28 | 22 44 | 0 24 | 9 21 | 0 25 | 14 57 | 8 17 | 23 18 | 23 19 | 3 6 | 5 7 | 6 44 |
| S 26 | 9 57 | 1s55 | 5 0 | 0 17 | 4 43 | 19 31 | 0 38 | 9 19 | 1 7 | 22 34 | 0 24 | 3 24 | 2 29 | 22 44 | 0 24 | 9 22 | 0 25 | 14 58 | 8 17 | 23 18 | 23 19 | 3 9 | 5 8 | 6 44 |
| S 27 | 9 36 | 6 37 | 5 2 | 0 25 | 4 48 | 19 20 | 0 34 | 9 4 | 1 7 | 22 33 | 0 24 | 3 23 | 2 29 | 22 44 | 0 24 | 9 23 | 0 25 | 14 58 | 8 16 | 23 18 | 23 19 | 3 11 | 5 9 | 6 44 |
| M28 | 9 15 | 11 5 | 4 50 | 0 37 | 4 50 | 19 7 | 0 31 | 8 50 | 1 7 | 22 33 | 0 24 | 3 21 | 2 29 | 22 44 | 0 24 | 9 23 | 0 25 | 14 58 | 8 16 | 23 19 | 23 19 | 3 14 | 5 10 | 6 44 |
| T 29 | 8 54 | 15 9 | 4 27 | 0 51 | 4 51 | 18 54 | 0 28 | 8 35 | 1 6 | 22 32 | 0 24 | 3 20 | 2 29 | 22 44 | 0 24 | 9 24 | 0 25 | 14 59 | 8 16 | 23 19 | 23 19 | 3 17 | 5 11 | 6 44 |
| W30 | 8 33 | 18 39 | 3 51 | 1 9 | 4 51 | 18 41 | 0 25 | 8 21 | 1 6 | 22 31 | 0 24 | 3 19 | 2 30 | 22 44 | 0 24 | 9 24 | 0 25 | 14 59 | 8 15 | 23 19 | 23 19 | 3 20 | 5 13 | 6 43 |
| T 31 | 8n11 | 21s23 | 3s 4 | 1n29 | 4s48 | 18n27 | 0s21 | 8n 6 | 1n 6 | 22n30 | 0s24 | 3n17 | 2s30 | 22s44 | 0s24 | 9s25 | 0s25 | 15s 0 | 8n15 | 23s19 | 23s19 | 3s22 | 5s14 | 6n43 |

Julian Day Number = 2815904.5, Delta T = 54m36s
Ecliptic obliquity = 23°18'36, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°42'19, Lahiri = 37°49'20


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# ASTRODIENST EPHEMERIS for the year 2997
# geocentric

## SEPTEMBER 2997 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 22 44 16 | 9♍52'11 | 5♐21 | 14°R 3 | 6♌40 | 12♍29 | 10♋40 | 14°R11 | 16°R 3 | 6°R36 | 4°R24 | 0°D14 | 29♐24 | 26♍42 | 29°R35 | F 1 |
| S 2 | 22 48 12 | 10°49'53 | 18° 3 | 13♍12 | 7°51 | 13° 7 | 10°50 | 14♈ 8 | 16♑ 2 | 6♓35 | 4♑24 | 0♑14 | 29°21 | 26°49 | 29♒32 | S 2 |
| S 3 | 22 52 9 | 11°47'36 | 1♑ 9 | 12°20 | 9° 3 | 13°45 | 11° 0 | 14° 4 | 16° 1 | 6°33 | 4°23 | 0°R15 | 29°18 | 26°55 | 29°29 | S 3 |
| M 4 | 22 56 5 | 12°45'20 | 14°41 | 11°29 | 10°14 | 14°23 | 11° 9 | 14° 1 | 16° 0 | 6°31 | 4°23 | 0°14 | 29°15 | 27° 2 | 29°26 | M 4 |
| T 5 | 23 0 2 | 13°43'05 | 28°43 | 10°40 | 11°26 | 15° 2 | 11°19 | 13°57 | 15°59 | 6°30 | 4°23 | 0°11 | 29°12 | 27° 9 | 29°23 | T 5 |
| W 6 | 23 3 58 | 14°40'51 | 13♒13 | 9°53 | 12°37 | 15°40 | 11°29 | 13°54 | 15°58 | 6°28 | 4°23 | 0° 6 | 29° 8 | 27°16 | 29°20 | W 6 |
| T 7 | 23 7 55 | 15°38'39 | 28° 8 | 9°10 | 13°49 | 16°18 | 11°38 | 13°50 | 15°58 | 6°26 | 4°22 | 29♐58 | 29° 5 | 27°22 | 29°17 | T 7 |
| F 8 | 23 11 51 | 16°36'27 | 13♓21 | 8°31 | 15° 1 | 16°56 | 11°47 | 13°46 | 15°57 | 6°25 | 4°22 | 29°49 | 29° 2 | 27°29 | 29°14 | F 8 |
| S 9 | 23 15 48 | 17°34'17 | 28°41 | 7°58 | 16°13 | 17°34 | 11°57 | 13°42 | 15°56 | 6°23 | 4°22 | 29°38 | 28°59 | 27°36 | 29°11 | S 9 |
| S 10 | 23 19 45 | 18°32'08 | 13♈56 | 7°31 | 17°25 | 18°12 | 12° 6 | 13°38 | 15°55 | 6°22 | 4°22 | 29°28 | 28°56 | 27°42 | 29° 8 | S 10 |
| M11 | 23 23 41 | 19°30'01 | 28°56 | 7°11 | 18°37 | 18°50 | 12°15 | 13°34 | 15°55 | 6°20 | 4°22 | 29°20 | 28°53 | 27°49 | 29° 5 | M11 |
| T 12 | 23 27 38 | 20°27'55 | 13♉33 | 6°58 | 19°49 | 19°29 | 12°23 | 13°30 | 15°54 | 6°18 | 4°22 | 29°13 | 28°49 | 27°56 | 29° 2 | T 12 |
| W13 | 23 31 34 | 21°25'52 | 27°42 | 6°D53 | 21° 1 | 20° 7 | 12°32 | 13°26 | 15°53 | 6°17 | 4°21 | 29°10 | 28°46 | 28° 3 | 29° 0 | W13 |
| T 14 | 23 35 31 | 22°23'50 | 11♊23 | 6°57 | 22°13 | 20°45 | 12°41 | 13°22 | 15°53 | 6°15 | 4°D21 | 29° 8 | 28°43 | 28° 9 | 28°57 | T 14 |
| F 15 | 23 39 27 | 23°21'50 | 24°37 | 7° 8 | 23°25 | 21°23 | 12°49 | 13°18 | 15°52 | 6°14 | 4°21 | 29° 8 | 28°40 | 28°16 | 28°54 | F 15 |
| S 16 | 23 43 24 | 24°19'51 | 7♋29 | 7°28 | 24°38 | 22° 1 | 12°58 | 13°14 | 15°52 | 6°12 | 4°21 | 29° 8 | 28°37 | 28°23 | 28°51 | S 16 |
| S 17 | 23 47 20 | 25°17'55 | 20° 1 | 7°57 | 25°50 | 22°39 | 13° 6 | 13° 9 | 15°52 | 6°11 | 4°22 | 29° 6 | 28°34 | 28°29 | 28°48 | S 17 |
| M18 | 23 51 17 | 26°16'00 | 2♌19 | 8°33 | 27° 3 | 23°18 | 13°14 | 13° 5 | 15°51 | 6° 9 | 4°22 | 29° 3 | 28°30 | 28°36 | 28°46 | M18 |
| T 19 | 23 55 14 | 27°14'08 | 14°26 | 9°18 | 28°15 | 23°56 | 13°22 | 13° 1 | 15°51 | 6° 8 | 4°22 | 28°57 | 28°27 | 28°43 | 28°43 | T 19 |
| W20 | 23 59 10 | 28°12'17 | 26°26 | 10°10 | 29°28 | 24°34 | 13°30 | 12°56 | 15°51 | 6° 6 | 4°22 | 28°48 | 28°24 | 28°50 | 28°40 | W20 |
| T 21 | 0 3 7 | 29°10'27 | 8♍21 | 11°10 | 0♍40 | 25°12 | 13°37 | 12°52 | 15°51 | 6° 5 | 4°22 | 28°37 | 28°21 | 28°56 | 28°38 | T 21 |
| F 22 | 0 7 3 | 0♎ 8'40 | 20°14 | 12°17 | 1°53 | 25°50 | 13°45 | 12°48 | 15°51 | 6° 3 | 4°22 | 28°23 | 28°18 | 29° 3 | 28°35 | F 22 |
| S 23 | 0 11 0 | 1° 6'54 | 2♎ 6 | 13°30 | 3° 6 | 26°28 | 13°52 | 12°43 | 15°50 | 6° 2 | 4°23 | 28° 9 | 28°14 | 29°10 | 28°33 | S 23 |
| S 24 | 0 14 56 | 2° 5'10 | 13°58 | 14°49 | 4°19 | 27° 7 | 14° 0 | 12°39 | 15°D50 | 6° 0 | 4°23 | 27°55 | 28°11 | 29°17 | 28°30 | S 24 |
| M25 | 0 18 53 | 3° 3'27 | 25°52 | 16°14 | 5°32 | 27°45 | 14° 7 | 12°34 | 15°50 | 5°59 | 4°23 | 27°42 | 28° 8 | 29°23 | 28°28 | M25 |
| T 26 | 0 22 49 | 4° 1'46 | 7♏50 | 17°43 | 6°44 | 28°23 | 14°14 | 12°30 | 15°51 | 5°58 | 4°24 | 27°32 | 28° 5 | 29°30 | 28°26 | T 26 |
| W27 | 0 26 46 | 5° 0'07 | 19°54 | 19°17 | 7°57 | 29° 1 | 14°20 | 12°25 | 15°51 | 5°56 | 4°24 | 27°24 | 28° 2 | 29°37 | 28°23 | W27 |
| T 28 | 0 30 42 | 5°58'30 | 2♐ 6 | 20°55 | 9°11 | 29°39 | 14°27 | 12°20 | 15°51 | 5°55 | 4°24 | 27°20 | 27°59 | 29°43 | 28°21 | T 28 |
| F 29 | 0 34 39 | 6°56'54 | 14°31 | 22°36 | 10°24 | 0♎18 | 14°33 | 12°16 | 15°51 | 5°53 | 4°25 | 27°18 | 27°55 | 29°50 | 28°19 | F 29 |
| S 30 | 0 38 36 | 7♎55'19 | 27♐11 | 24♍19 | 11♍37 | 0♎56 | 14♋40 | 12♈11 | 15♑51 | 5♓52 | 4♑25 | 27°D17 | 27♐52 | 29♍57 | 28♒17 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7n50 | 23s11 | 2s 8 | 1n52 | 4s44 | 18n13 | 0s18 | 7n51 | 1n 6 | 22n30 | 0s24 | 3n16 | 2s30 | 22s45 | 0s24 | 9s26 | 0s25 | 15s 0 | 8n15 | 23s19 | 23s19 | 3s25 | 5s15 | 6n43 |
| S 2 | 7 28 | 23 51 | 1 4 | 2 17 | 4 38 | 17 58 | 0 15 | 7 37 | 1 6 | 22 29 | 0 23 | 3 14 | 2 30 | 22 45 | 0 24 | 9 26 | 0 25 | 15 0 | 8 14 | 23 19 | 23 19 | 3 28 | 5 16 | 6 43 |
| S 3 | 7 6 | 23 14 | 0n 5 | 2 44 | 4 30 | 17 43 | 0 12 | 7 22 | 1 6 | 22 28 | 0 23 | 3 13 | 2 30 | 22 45 | 0 24 | 9 27 | 0 25 | 15 1 | 8 14 | 23 19 | 23 18 | 3 30 | 5 17 | 6 43 |
| M 4 | 6 44 | 21 15 | 1 16 | 3 12 | 4 20 | 17 27 | 0 9 | 7 7 | 1 5 | 22 27 | 0 23 | 3 11 | 2 30 | 22 45 | 0 24 | 9 27 | 0 25 | 15 1 | 8 14 | 23 19 | 23 18 | 3 33 | 5 19 | 6 43 |
| T 5 | 6 22 | 17 57 | 2 25 | 3 41 | 4 9 | 17 10 | 0 5 | 6 52 | 1 5 | 22 27 | 0 23 | 3 10 | 2 31 | 22 45 | 0 24 | 9 28 | 0 25 | 15 1 | 8 13 | 23 19 | 23 18 | 3 36 | 5 20 | 6 42 |
| W 6 | 6 0 | 13 27 | 3 27 | 4 11 | 3 56 | 16 53 | 0 2 | 6 38 | 1 5 | 22 26 | 0 23 | 3 8 | 2 31 | 22 45 | 0 24 | 9 29 | 0 25 | 15 2 | 8 13 | 23 19 | 23 18 | 3 38 | 5 21 | 6 42 |
| T 7 | 5 38 | 8 3 | 4 16 | 4 41 | 3 41 | 16 36 | 0n 1 | 6 23 | 1 5 | 22 25 | 0 23 | 3 6 | 2 31 | 22 45 | 0 24 | 9 29 | 0 25 | 15 2 | 8 12 | 23 19 | 23 18 | 3 41 | 5 22 | 6 42 |
| F 8 | 5 16 | 2 4 | 4 49 | 5 10 | 3 25 | 16 18 | 0 4 | 6 8 | 1 5 | 22 24 | 0 23 | 3 5 | 2 31 | 22 45 | 0 24 | 9 30 | 0 25 | 15 2 | 8 12 | 23 19 | 23 18 | 3 44 | 5 23 | 6 42 |
| S 9 | 4 53 | 4n 5 | 5 1 | 5 37 | 3 8 | 16 0 | 0 7 | 5 53 | 1 5 | 22 24 | 0 23 | 3 3 | 2 31 | 22 45 | 0 24 | 9 30 | 0 25 | 15 3 | 8 12 | 23 19 | 23 18 | 3 46 | 5 25 | 6 42 |
| S 10 | 4 31 | 9 57 | 4 51 | 6 4 | 2 50 | 15 41 | 0 10 | 5 38 | 1 4 | 22 23 | 0 23 | 3 1 | 2 31 | 22 45 | 0 24 | 9 31 | 0 25 | 15 3 | 8 11 | 23 19 | 23 18 | 3 49 | 5 26 | 6 41 |
| M11 | 4 8 | 15 7 | 4 22 | 6 28 | 2 32 | 15 22 | 0 13 | 5 23 | 1 4 | 22 22 | 0 23 | 3 0 | 2 32 | 22 45 | 0 24 | 9 32 | 0 25 | 15 4 | 8 11 | 23 19 | 23 18 | 3 52 | 5 27 | 6 41 |
| T 12 | 3 46 | 19 15 | 3 36 | 6 50 | 2 13 | 15 3 | 0 16 | 5 8 | 1 4 | 22 21 | 0 23 | 2 58 | 2 32 | 22 46 | 0 24 | 9 32 | 0 25 | 15 4 | 8 11 | 23 18 | 23 18 | 3 54 | 5 28 | 6 41 |
| W13 | 3 23 | 22 6 | 2 38 | 7 10 | 1 55 | 14 43 | 0 19 | 4 53 | 1 4 | 22 20 | 0 23 | 2 56 | 2 32 | 22 46 | 0 24 | 9 33 | 0 25 | 15 4 | 8 10 | 23 18 | 23 18 | 3 57 | 5 29 | 6 41 |
| T 14 | 3 0 | 23 33 | 1 32 | 7 26 | 1 36 | 14 22 | 0 22 | 4 38 | 1 4 | 22 20 | 0 23 | 2 55 | 2 32 | 22 46 | 0 24 | 9 33 | 0 25 | 15 5 | 8 10 | 23 18 | 23 18 | 4 0 | 5 30 | 6 41 |
| F 15 | 2 37 | 23 36 | 0 24 | 7 39 | 1 17 | 14 1 | 0 24 | 4 22 | 1 4 | 22 19 | 0 23 | 2 53 | 2 32 | 22 46 | 0 24 | 9 34 | 0 25 | 15 5 | 8 10 | 23 18 | 23 18 | 4 2 | 5 32 | 6 40 |
| S 16 | 2 14 | 22 22 | 0s44 | 7 49 | 0 59 | 13 40 | 0 27 | 4 7 | 1 3 | 22 18 | 0 23 | 2 51 | 2 32 | 22 46 | 0 24 | 9 35 | 0 25 | 15 5 | 8 9 | 23 18 | 23 18 | 4 5 | 5 33 | 6 40 |
| S 17 | 1 52 | 20 3 | 1 48 | 7 54 | 0 41 | 13 19 | 0 30 | 3 52 | 1 3 | 22 17 | 0 23 | 2 50 | 2 32 | 22 46 | 0 24 | 9 35 | 0 25 | 15 6 | 8 9 | 23 18 | 23 18 | 4 8 | 5 34 | 6 40 |
| M18 | 1 29 | 16 51 | 2 46 | 7 57 | 0 24 | 12 57 | 0 33 | 3 37 | 1 3 | 22 17 | 0 23 | 2 48 | 2 33 | 22 46 | 0 24 | 9 36 | 0 25 | 15 6 | 8 9 | 23 18 | 23 18 | 4 10 | 5 35 | 6 39 |
| T 19 | 1 6 | 12 59 | 3 35 | 7 55 | 0 8 | 12 34 | 0 35 | 3 22 | 1 3 | 22 16 | 0 23 | 2 46 | 2 33 | 22 46 | 0 24 | 9 36 | 0 25 | 15 6 | 8 8 | 23 18 | 23 18 | 4 13 | 5 36 | 6 39 |
| W20 | 0 43 | 8 39 | 4 14 | 7 50 | 0n 8 | 12 11 | 0 38 | 3 6 | 1 3 | 22 15 | 0 23 | 2 44 | 2 33 | 22 46 | 0 23 | 9 37 | 0 25 | 15 7 | 8 8 | 23 18 | 23 18 | 4 16 | 5 38 | 6 39 |
| T 21 | 0 20 | 4 2 | 4 41 | 7 41 | 0 22 | 11 48 | 0 40 | 2 51 | 1 2 | 22 14 | 0 23 | 2 42 | 2 33 | 22 46 | 0 23 | 9 37 | 0 25 | 15 7 | 8 7 | 23 18 | 23 18 | 4 18 | 5 39 | 6 39 |
| F 22 | 0s 3 | 0s42 | 4 56 | 7 28 | 0 35 | 11 25 | 0 43 | 2 36 | 1 2 | 22 14 | 0 23 | 2 41 | 2 33 | 22 46 | 0 23 | 9 38 | 0 25 | 15 8 | 8 7 | 23 18 | 23 18 | 4 21 | 5 40 | 6 38 |
| S 23 | 0 26 | 5 24 | 4 59 | 7 11 | 0 48 | 11 1 | 0 45 | 2 21 | 1 2 | 22 13 | 0 23 | 2 39 | 2 33 | 22 46 | 0 23 | 9 38 | 0 25 | 15 8 | 8 7 | 23 18 | 23 18 | 4 24 | 5 41 | 6 38 |
| S 24 | 0 50 | 9 54 | 4 48 | 6 51 | 0 59 | 10 37 | 0 48 | 2 5 | 1 2 | 22 12 | 0 23 | 2 37 | 2 33 | 22 46 | 0 23 | 9 39 | 0 25 | 15 8 | 8 6 | 23 18 | 23 18 | 4 26 | 5 42 | 6 38 |
| M25 | 1 13 | 14 3 | 4 25 | 6 28 | 1 9 | 10 13 | 0 50 | 1 50 | 1 1 | 22 12 | 0 23 | 2 35 | 2 33 | 22 46 | 0 23 | 9 39 | 0 25 | 15 9 | 8 6 | 23 17 | 23 18 | 4 29 | 5 43 | 6 37 |
| T 26 | 1 36 | 17 40 | 3 49 | 6 1 | 1 18 | 9 48 | 0 52 | 1 35 | 1 1 | 22 11 | 0 23 | 2 33 | 2 33 | 22 46 | 0 23 | 9 40 | 0 25 | 15 9 | 8 6 | 23 17 | 23 18 | 4 32 | 5 44 | 6 37 |
| W27 | 1 59 | 20 34 | 3 4 | 5 32 | 1 25 | 9 23 | 0 55 | 1 19 | 1 1 | 22 10 | 0 22 | 2 31 | 2 33 | 22 46 | 0 23 | 9 41 | 0 25 | 15 9 | 8 5 | 23 17 | 23 18 | 4 34 | 5 45 | 6 37 |
| T 28 | 2 22 | 22 35 | 2 9 | 5 0 | 1 32 | 8 58 | 0 57 | 1 4 | 1 1 | 22 10 | 0 22 | 2 30 | 2 33 | 22 46 | 0 23 | 9 41 | 0 25 | 15 10 | 8 5 | 23 17 | 23 18 | 4 37 | 5 46 | 6 36 |
| F 29 | 2 45 | 23 32 | 1 7 | 4 25 | 1 37 | 8 33 | 0 59 | 0 49 | 1 1 | 22 9 | 0 22 | 2 28 | 2 33 | 22 46 | 0 23 | 9 42 | 0 25 | 15 10 | 8 4 | 23 17 | 23 18 | 4 39 | 5 48 | 6 36 |
| S 30 | 3s 8 | 23s17 | 0s 1 | 3n48 | 1n42 | 8n 7 | 1n 1 | 0n33 | 1n 0 | 22n 8 | 0s22 | 2n26 | 2s34 | 22s46 | 0s23 | 9s42 | 0s25 | 15s10 | 8n 4 | 23s17 | 23s18 | 4s42 | 5s49 | 6n36 |

Julian Day Number = 2815935.5, Delta T = 54m37s
Ecliptic obliquity = 23°18'36, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°42'24, Lahiri = 37°49'24


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# ASTRODIENST EPHEMERIS for the year 2997
# geocentric

## OCTOBER 2997 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 42 32 | 8♎53'46 | 10♉12 | 26♍ 5 | 12♍50 | 1♎34 | 14♋46 | 12°R 7 | 15♉52 | 5°R51 | 4♉26 | 27°R17 | 27♐49 | 0♎ 4 | 28°R14 | S 1 |
| M 2 | 0 46 29 | 9°52'15 | 23°37 | 27°53 | 14° 3 | 2°12 | 14°52 | 12♈ 2 | 15°52 | 5♓49 | 4°27 | 27♐17 | 27°46 | 0°10 | 28♒12 | M 2 |
| T 3 | 0 50 25 | 10°50'45 | 7♒30 | 29°42 | 15°17 | 2°51 | 14°58 | 11°57 | 15°53 | 5°48 | 4°27 | 27°14 | 27°43 | 0°17 | 28°10 | T 3 |
| W 4 | 0 54 22 | 11°49'17 | 21°50 | 1♎32 | 16°30 | 3°29 | 15° 3 | 11°53 | 15°53 | 5°47 | 4°28 | 27°10 | 27°40 | 0°24 | 28° 8 | W 4 |
| T 5 | 0 58 18 | 12°47'50 | 6♓36 | 3°23 | 17°43 | 4° 7 | 15° 9 | 11°48 | 15°54 | 5°46 | 4°28 | 27° 2 | 27°36 | 0°30 | 28° 6 | T 5 |
| F 6 | 1 2 15 | 13°46'24 | 21°42 | 5°14 | 18°57 | 4°45 | 15°14 | 11°43 | 15°54 | 5°45 | 4°29 | 26°53 | 27°33 | 0°37 | 28° 4 | F 6 |
| S 7 | 1 6 11 | 14°45'01 | 6♈59 | 7° 5 | 20°10 | 5°24 | 15°20 | 11°39 | 15°55 | 5°43 | 4°30 | 26°43 | 27°30 | 0°44 | 28° 3 | S 7 |
| S 8 | 1 10 8 | 15°43'39 | 22°17 | 8°57 | 21°24 | 6° 2 | 15°25 | 11°34 | 15°56 | 5°42 | 4°31 | 26°33 | 27°27 | 0°51 | 28° 1 | S 8 |
| M 9 | 1 14 5 | 16°42'20 | 7♉23 | 10°48 | 22°38 | 6°40 | 15°29 | 11°30 | 15°56 | 5°41 | 4°31 | 26°24 | 27°24 | 0°57 | 27°59 | M 9 |
| T 10 | 1 18 1 | 17°41'02 | 22° 8 | 12°39 | 23°51 | 7°18 | 15°34 | 11°25 | 15°57 | 5°40 | 4°32 | 26°18 | 27°20 | 1° 4 | 27°57 | T 10 |
| W11 | 1 21 58 | 18°39'47 | 6♊27 | 14°29 | 25° 5 | 7°57 | 15°39 | 11°20 | 15°58 | 5°39 | 4°33 | 26°14 | 27°17 | 1°11 | 27°56 | W11 |
| T 12 | 1 25 54 | 19°38'34 | 20°16 | 16°18 | 26°19 | 8°35 | 15°43 | 11°16 | 15°59 | 5°38 | 4°34 | 26°D12 | 27°14 | 1°18 | 27°54 | T 12 |
| F 13 | 1 29 51 | 20°37'23 | 3♋36 | 18° 7 | 27°33 | 9°13 | 15°47 | 11°11 | 16° 0 | 5°37 | 4°35 | 26°12 | 27°11 | 1°24 | 27°53 | F 13 |
| S 14 | 1 33 47 | 21°36'14 | 16°31 | 19°56 | 28°47 | 9°52 | 15°51 | 11° 7 | 16° 1 | 5°36 | 4°36 | 26°R13 | 27° 8 | 1°31 | 27°51 | S 14 |
| S 15 | 1 37 44 | 22°35'07 | 29° 4 | 21°43 | 0♎ 1 | 10°30 | 15°55 | 11° 2 | 16° 2 | 5°35 | 4°37 | 26°13 | 27° 5 | 1°38 | 27°50 | S 15 |
| M16 | 1 41 40 | 23°34'03 | 11♌20 | 23°30 | 1°15 | 11° 8 | 15°59 | 10°58 | 16° 3 | 5°34 | 4°38 | 26°11 | 27° 1 | 1°44 | 27°49 | M16 |
| T 17 | 1 45 37 | 24°33'01 | 23°24 | 25°16 | 2°29 | 11°47 | 16° 2 | 10°53 | 16° 4 | 5°33 | 4°39 | 26° 7 | 26°58 | 1°51 | 27°47 | T 17 |
| W18 | 1 49 34 | 25°32'01 | 5♍20 | 27° 1 | 3°43 | 12°25 | 16° 5 | 10°49 | 16° 5 | 5°32 | 4°40 | 26° 1 | 26°55 | 1°58 | 27°46 | W18 |
| T 19 | 1 53 30 | 26°31'03 | 17°13 | 28°45 | 4°57 | 13° 4 | 16° 8 | 10°45 | 16° 7 | 5°31 | 4°41 | 25°52 | 26°52 | 2° 5 | 27°45 | T 19 |
| F 20 | 1 57 27 | 27°30'07 | 29° 4 | 0♏29 | 6°11 | 13°42 | 16°11 | 10°40 | 16° 8 | 5°30 | 4°42 | 25°42 | 26°49 | 2°11 | 27°44 | F 20 |
| S 21 | 2 1 23 | 28°29'13 | 10♎57 | 2°11 | 7°25 | 14°20 | 16°14 | 10°36 | 16° 9 | 5°29 | 4°43 | 25°30 | 26°45 | 2°18 | 27°43 | S 21 |
| S 22 | 2 5 20 | 29°28'22 | 22°53 | 3°53 | 8°39 | 14°59 | 16°16 | 10°32 | 16°11 | 5°28 | 4°44 | 25°19 | 26°42 | 2°25 | 27°42 | S 22 |
| M23 | 2 9 16 | 0♏27'32 | 4♏54 | 5°34 | 9°54 | 15°37 | 16°19 | 10°27 | 16°12 | 5°28 | 4°45 | 25° 9 | 26°39 | 2°31 | 27°41 | M23 |
| T 24 | 2 13 13 | 1°26'45 | 17° 0 | 7°14 | 11° 8 | 16°16 | 16°21 | 10°23 | 16°14 | 5°27 | 4°47 | 25° 1 | 26°36 | 2°38 | 27°40 | T 24 |
| W25 | 2 17 9 | 2°25'59 | 29°15 | 8°54 | 12°22 | 16°54 | 16°23 | 10°19 | 16°15 | 5°26 | 4°48 | 24°55 | 26°33 | 2°45 | 27°39 | W25 |
| T 26 | 2 21 6 | 3°25'16 | 11♐37 | 10°33 | 13°37 | 17°32 | 16°24 | 10°15 | 16°17 | 5°26 | 4°49 | 24°52 | 26°30 | 2°52 | 27°39 | T 26 |
| F 27 | 2 25 3 | 4°24'34 | 24°11 | 12°10 | 14°51 | 18°11 | 16°26 | 10°11 | 16°19 | 5°25 | 4°51 | 24°D51 | 26°26 | 2°58 | 27°38 | F 27 |
| S 28 | 2 28 59 | 5°23'54 | 6♑59 | 13°48 | 16° 6 | 18°49 | 16°27 | 10° 7 | 16°20 | 5°24 | 4°52 | 24°52 | 26°23 | 3° 5 | 27°37 | S 28 |
| S 29 | 2 32 56 | 6°23'15 | 20° 3 | 15°24 | 17°20 | 19°28 | 16°28 | 10° 3 | 16°22 | 5°24 | 4°53 | 24°53 | 26°20 | 3°12 | 27°37 | S 29 |
| M30 | 2 36 52 | 7°22'39 | 3♒26 | 17° 0 | 18°35 | 20° 6 | 16°29 | 9°59 | 16°24 | 5°23 | 4°55 | 24°R54 | 26°17 | 3°19 | 27°36 | M30 |
| T 31 | 2 40 49 | 8♏22'04 | 17♒11 | 18♏35 | 19♎49 | 20♎45 | 16♋30 | 9♈55 | 16♉26 | 5♓23 | 4♉56 | 24♐54 | 26♐14 | 3♎25 | 27♒36 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3s30 | 21s48 | 1n 8 | 3n10 | 1n45 | 7n41 | 1n 3 | 0n18 | 1n 0 | 22n 8 | 0s22 | 2n24 | 2s34 | 22s46 | 0s23 | 9s42 | 0s25 | 15s11 | 8n 4 | 23s17 | 23s18 | 4s45 | 5s50 | 6n35 |
| M 2 | 3 53 | 19 3 | 2 15 | 2 29 | 1 48 | 7 15 | 1 5 | 0 3 | 1 0 | 22 7 | 0 22 | 2 22 | 2 34 | 22 46 | 0 23 | 9 43 | 0 25 | 15 11 | 8 3 | 23 17 | 23 17 | 4 47 | 5 51 | 6 35 |
| T 3 | 4 16 | 15 8 | 3 16 | 1 48 | 1 49 | 6 48 | 1 7 | 0s13 | 1 0 | 22 6 | 0 22 | 2 20 | 2 34 | 22 45 | 0 23 | 9 43 | 0 25 | 15 11 | 8 3 | 23 17 | 23 17 | 4 50 | 5 52 | 6 35 |
| W 4 | 4 39 | 10 15 | 4 7 | 1 5 | 1 50 | 6 21 | 1 9 | 0 28 | 0 59 | 22 6 | 0 22 | 2 19 | 2 34 | 22 45 | 0 23 | 9 44 | 0 25 | 15 12 | 8 3 | 23 17 | 23 17 | 4 53 | 5 53 | 6 34 |
| T 5 | 5 2 | 4 39 | 4 43 | 0 21 | 1 50 | 5 55 | 1 11 | 0 43 | 0 59 | 22 5 | 0 22 | 2 17 | 2 34 | 22 45 | 0 23 | 9 44 | 0 25 | 15 12 | 8 2 | 23 17 | 23 17 | 4 55 | 5 54 | 6 34 |
| F 6 | 5 24 | 1n20 | 5 0 | 0s24 | 1 49 | 5 28 | 1 12 | 0 59 | 0 59 | 22 5 | 0 22 | 2 15 | 2 34 | 22 45 | 0 23 | 9 45 | 0 25 | 15 12 | 8 2 | 23 16 | 23 17 | 4 58 | 5 55 | 6 33 |
| S 7 | 5 47 | 7 18 | 4 57 | 1 9 | 1 48 | 5 0 | 1 14 | 1 14 | 0 59 | 22 4 | 0 22 | 2 13 | 2 34 | 22 45 | 0 23 | 9 45 | 0 25 | 15 13 | 8 2 | 23 16 | 23 17 | 5 0 | 5 56 | 6 33 |
| S 8 | 6 9 | 12 50 | 4 32 | 1 54 | 1 46 | 4 33 | 1 15 | 1 29 | 0 58 | 22 4 | 0 22 | 2 11 | 2 34 | 22 45 | 0 23 | 9 46 | 0 25 | 15 13 | 8 1 | 23 16 | 23 17 | 5 3 | 5 57 | 6 33 |
| M 9 | 6 32 | 17 30 | 3 49 | 2 40 | 1 43 | 4 5 | 1 17 | 1 45 | 0 58 | 22 3 | 0 22 | 2 10 | 2 34 | 22 45 | 0 23 | 9 46 | 0 25 | 15 13 | 8 1 | 23 16 | 23 17 | 5 6 | 5 58 | 6 32 |
| T 10 | 6 54 | 20 57 | 2 50 | 3 26 | 1 40 | 3 38 | 1 18 | 2 0 | 0 58 | 22 3 | 0 22 | 2 8 | 2 34 | 22 45 | 0 23 | 9 46 | 0 25 | 15 14 | 8 1 | 23 16 | 23 17 | 5 8 | 5 59 | 6 32 |
| W11 | 7 16 | 22 58 | 1 43 | 4 12 | 1 36 | 3 10 | 1 20 | 2 15 | 0 58 | 22 2 | 0 22 | 2 6 | 2 34 | 22 45 | 0 23 | 9 47 | 0 25 | 15 14 | 8 0 | 23 15 | 23 17 | 5 11 | 6 0 | 6 31 |
| T 12 | 7 39 | 23 29 | 0 32 | 4 58 | 1 32 | 2 42 | 1 21 | 2 30 | 0 57 | 22 2 | 0 22 | 2 4 | 2 34 | 22 45 | 0 23 | 9 47 | 0 25 | 15 14 | 8 0 | 23 15 | 23 17 | 5 13 | 6 0 | 6 31 |
| F 13 | 8 1 | 22 36 | 0s39 | 5 43 | 1 28 | 2 14 | 1 22 | 2 46 | 0 57 | 22 1 | 0 22 | 2 3 | 2 34 | 22 44 | 0 23 | 9 48 | 0 25 | 15 15 | 8 0 | 23 15 | 23 17 | 5 16 | 6 1 | 6 31 |
| S 14 | 8 23 | 20 32 | 1 46 | 6 28 | 1 23 | 1 46 | 1 23 | 3 1 | 0 57 | 22 1 | 0 22 | 2 1 | 2 34 | 22 44 | 0 23 | 9 48 | 0 25 | 15 15 | 7 59 | 23 15 | 23 17 | 5 19 | 6 2 | 6 30 |
| S 15 | 8 44 | 17 32 | 2 46 | 7 13 | 1 18 | 1 17 | 1 25 | 3 16 | 0 57 | 22 0 | 0 22 | 1 59 | 2 34 | 22 44 | 0 23 | 9 48 | 0 25 | 15 15 | 7 59 | 23 15 | 23 17 | 5 21 | 6 3 | 6 30 |
| M16 | 9 6 | 13 49 | 3 36 | 7 58 | 1 12 | 0 49 | 1 26 | 3 31 | 0 56 | 22 0 | 0 22 | 1 57 | 2 34 | 22 44 | 0 23 | 9 49 | 0 25 | 15 16 | 7 58 | 23 15 | 23 17 | 5 24 | 6 4 | 6 29 |
| T 17 | 9 28 | 9 36 | 4 16 | 8 41 | 1 6 | 0 21 | 1 27 | 3 46 | 0 56 | 22 0 | 0 22 | 1 56 | 2 34 | 22 44 | 0 23 | 9 49 | 0 25 | 15 16 | 7 58 | 23 15 | 23 17 | 5 26 | 6 5 | 6 29 |
| W18 | 9 49 | 5 5 | 4 45 | 9 25 | 1 1 | 0s 8 | 1 27 | 4 1 | 0 56 | 21 59 | 0 22 | 1 54 | 2 34 | 22 44 | 0 23 | 9 49 | 0 25 | 15 16 | 7 58 | 23 15 | 23 16 | 5 29 | 6 6 | 6 28 |
| T 19 | 10 11 | 0 24 | 5 0 | 10 7 | 0 54 | 0 36 | 1 28 | 4 17 | 0 56 | 21 59 | 0 22 | 1 52 | 2 34 | 22 44 | 0 23 | 9 50 | 0 25 | 15 16 | 7 57 | 23 15 | 23 16 | 5 32 | 6 6 | 6 28 |
| F 20 | 10 32 | 4s16 | 5 3 | 10 50 | 0 48 | 1 5 | 1 29 | 4 32 | 0 55 | 21 59 | 0 21 | 1 51 | 2 33 | 22 43 | 0 23 | 9 50 | 0 25 | 15 17 | 7 57 | 23 14 | 23 16 | 5 34 | 6 7 | 6 28 |
| S 21 | 10 53 | 8 48 | 4 53 | 11 31 | 0 42 | 1 33 | 1 30 | 4 47 | 0 55 | 21 58 | 0 21 | 1 49 | 2 33 | 22 43 | 0 23 | 9 50 | 0 25 | 15 17 | 7 57 | 23 14 | 23 16 | 5 37 | 6 8 | 6 27 |
| S 22 | 11 14 | 13 2 | 4 30 | 12 12 | 0 35 | 2 2 | 1 30 | 5 2 | 0 55 | 21 58 | 0 21 | 1 48 | 2 33 | 22 43 | 0 23 | 9 51 | 0 25 | 15 17 | 7 56 | 23 14 | 23 16 | 5 39 | 6 9 | 6 27 |
| M23 | 11 34 | 16 46 | 3 55 | 12 52 | 0 28 | 2 30 | 1 31 | 5 17 | 0 54 | 21 58 | 0 21 | 1 46 | 2 33 | 22 43 | 0 23 | 9 51 | 0 25 | 15 18 | 7 56 | 23 13 | 23 16 | 5 42 | 6 9 | 6 26 |
| T 24 | 11 55 | 19 50 | 3 9 | 13 31 | 0 22 | 2 59 | 1 31 | 5 32 | 0 54 | 21 58 | 0 21 | 1 44 | 2 33 | 22 43 | 0 23 | 9 51 | 0 25 | 15 18 | 7 56 | 23 13 | 23 16 | 5 44 | 6 10 | 6 26 |
| W25 | 12 15 | 22 3 | 2 13 | 14 9 | 0 15 | 3 27 | 1 32 | 5 47 | 0 54 | 21 58 | 0 21 | 1 43 | 2 33 | 22 43 | 0 23 | 9 51 | 0 25 | 15 18 | 7 55 | 23 13 | 23 16 | 5 47 | 6 11 | 6 25 |
| T 26 | 12 35 | 23 13 | 1 11 | 14 47 | 0 8 | 3 56 | 1 32 | 6 1 | 0 54 | 21 57 | 0 21 | 1 41 | 2 33 | 22 42 | 0 23 | 9 52 | 0 25 | 15 19 | 7 55 | 23 13 | 23 16 | 5 50 | 6 11 | 6 25 |
| F 27 | 12 55 | 23 15 | 0 4 | 15 23 | 0 1 | 4 24 | 1 32 | 6 16 | 0 53 | 21 57 | 0 21 | 1 40 | 2 33 | 22 42 | 0 23 | 9 52 | 0 25 | 15 19 | 7 55 | 23 13 | 23 16 | 5 52 | 6 12 | 6 24 |
| S 28 | 13 15 | 22 3 | 1n 5 | 15 59 | 0s 6 | 4 53 | 1 32 | 6 31 | 0 53 | 21 57 | 0 21 | 1 38 | 2 33 | 22 42 | 0 23 | 9 52 | 0 25 | 15 19 | 7 55 | 23 13 | 23 16 | 5 55 | 6 13 | 6 24 |
| S 29 | 13 35 | 19 39 | 2 12 | 16 34 | 0 13 | 5 21 | 1 32 | 6 46 | 0 53 | 21 57 | 0 21 | 1 37 | 2 33 | 22 42 | 0 23 | 9 52 | 0 25 | 15 19 | 7 54 | 23 13 | 23 16 | 5 57 | 6 13 | 6 23 |
| M30 | 13 54 | 16 9 | 3 13 | 17 8 | 0 20 | 5 49 | 1 32 | 7 1 | 0 52 | 21 57 | 0 21 | 1 36 | 2 33 | 22 41 | 0 23 | 9 53 | 0 25 | 15 20 | 7 54 | 23 13 | 23 15 | 6 0 | 6 14 | 6 23 |
| T 31 | 14s13 | 11s43 | 4n 5 | 17s41 | 0s27 | 6s17 | 1n32 | 7s15 | 0n52 | 21n57 | 0s21 | 1n34 | 2s33 | 22s41 | 0s23 | 9s53 | 0s25 | 15s20 | 7n54 | 23s13 | 23s15 | 6s 2 | 6s15 | 6n23 |

Julian Day Number = 2815965.5, Delta T = 54m37s
Ecliptic obliquity = 23°18'36, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°42'28, Lahiri = 37°49'28


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# ASTRODIENST EPHEMERIS for the year 2997
# geocentric

## NOVEMBER 2997 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 2 44 45 | 9♏21'30 | 1♓18 | 20♏10 | 21♎ 4 | 21♎23 | 16♋30 | 9°R52 | 16♑27 | 5°R22 | 4♑57 | 24°R52 | 26♐11 | 3♎32 | 27°R36 | W 1 |
| T 2 | 2 48 42 | 10°20'59 | 15°47 | 21°44 | 22°18 | 22° 2 | 16°31 | 9♈48 | 16°29 | 5♓22 | 4°59 | 24♐48 | 26° 7 | 3°39 | 27♒36 | T 2 |
| F 3 | 2 52 38 | 11°20'29 | 0♈34 | 23°17 | 23°33 | 22°40 | 16°R31 | 9°44 | 16°31 | 5°21 | 5° 0 | 24°42 | 26° 4 | 3°45 | 27°35 | F 3 |
| S 4 | 2 56 35 | 12°20'00 | 15°32 | 24°50 | 24°48 | 23°19 | 16°31 | 9°41 | 16°33 | 5°21 | 5° 2 | 24°36 | 26° 1 | 3°52 | 27°35 | S 4 |
| S 5 | 3 0 32 | 13°19'34 | 0♉34 | 26°22 | 26° 2 | 23°57 | 16°30 | 9°37 | 16°35 | 5°20 | 5° 4 | 24°29 | 25°58 | 3°59 | 27°D35 | S 5 |
| M 6 | 3 4 28 | 14°19'09 | 15°29 | 27°53 | 27°17 | 24°36 | 16°30 | 9°34 | 16°37 | 5°20 | 5° 5 | 24°24 | 25°55 | 4° 6 | 27°35 | M 6 |
| T 7 | 3 8 25 | 15°18'47 | 0♊10 | 29°24 | 28°32 | 25°14 | 16°29 | 9°31 | 16°40 | 5°20 | 5° 7 | 24°20 | 25°51 | 4°12 | 27°35 | T 7 |
| W 8 | 3 12 21 | 16°18'27 | 14°29 | 0♐54 | 29°46 | 25°53 | 16°28 | 9°28 | 16°42 | 5°19 | 5° 8 | 24°18 | 25°48 | 4°19 | 27°35 | W 8 |
| T 9 | 3 16 18 | 17°18'08 | 28°22 | 2°24 | 1♏ 1 | 26°32 | 16°27 | 9°24 | 16°44 | 5°19 | 5°10 | 24°D17 | 25°45 | 4°26 | 27°36 | T 9 |
| F 10 | 3 20 14 | 18°17'52 | 11♋49 | 3°53 | 2°16 | 27°10 | 16°26 | 9°21 | 16°46 | 5°19 | 5°12 | 24°18 | 25°42 | 4°32 | 27°36 | F 10 |
| S 11 | 3 24 11 | 19°17'38 | 24°49 | 5°21 | 3°31 | 27°49 | 16°25 | 9°18 | 16°49 | 5°19 | 5°13 | 24°20 | 25°39 | 4°39 | 27°36 | S 11 |
| S 12 | 3 28 7 | 20°17'26 | 7♌27 | 6°49 | 4°46 | 28°28 | 16°23 | 9°15 | 16°51 | 5°19 | 5°15 | 24°22 | 25°36 | 4°46 | 27°37 | S 12 |
| M13 | 3 32 4 | 21°17'16 | 19°47 | 8°17 | 6° 1 | 29° 6 | 16°21 | 9°13 | 16°53 | 5°19 | 5°17 | 24°R22 | 25°32 | 4°53 | 27°37 | M13 |
| T 14 | 3 36 1 | 22°17'09 | 1♍52 | 9°43 | 7°16 | 29°45 | 16°19 | 9°10 | 16°56 | 5°18 | 5°19 | 24°22 | 25°29 | 4°59 | 27°38 | T 14 |
| W15 | 3 39 57 | 23°17'03 | 13°49 | 11° 9 | 8°31 | 0♏24 | 16°17 | 9° 7 | 16°58 | 5°18 | 5°20 | 24°20 | 25°26 | 5° 6 | 27°38 | W15 |
| T 16 | 3 43 54 | 24°17'00 | 25°41 | 12°35 | 9°46 | 1° 2 | 16°14 | 9° 5 | 17° 1 | 5°D18 | 5°22 | 24°17 | 25°23 | 5°13 | 27°39 | T 16 |
| F 17 | 3 47 50 | 25°16'58 | 7♎33 | 13°59 | 11° 1 | 1°41 | 16°12 | 9° 2 | 17° 3 | 5°18 | 5°24 | 24°12 | 25°20 | 5°20 | 27°40 | F 17 |
| S 18 | 3 51 47 | 26°16'59 | 19°28 | 15°23 | 12°16 | 2°20 | 16° 9 | 9° 0 | 17° 6 | 5°18 | 5°26 | 24° 7 | 25°17 | 5°26 | 27°41 | S 18 |
| S 19 | 3 55 43 | 27°17'01 | 1♏29 | 16°46 | 13°31 | 2°58 | 16° 6 | 8°57 | 17° 8 | 5°19 | 5°28 | 24° 2 | 25°13 | 5°33 | 27°41 | S 19 |
| M20 | 3 59 40 | 28°17'06 | 13°38 | 18° 8 | 14°46 | 3°37 | 16° 2 | 8°55 | 17°11 | 5°19 | 5°29 | 23°58 | 25°10 | 5°40 | 27°42 | M20 |
| T 21 | 4 3 36 | 29°17'13 | 25°56 | 19°30 | 16° 1 | 4°16 | 15°59 | 8°53 | 17°14 | 5°19 | 5°31 | 23°54 | 25° 7 | 5°46 | 27°43 | T 21 |
| W22 | 4 7 33 | 0♐17'21 | 8♐25 | 20°50 | 17°16 | 4°55 | 15°55 | 8°51 | 17°16 | 5°19 | 5°33 | 23°52 | 25° 4 | 5°53 | 27°44 | W22 |
| T 23 | 4 11 30 | 1°17'31 | 21° 6 | 22° 9 | 18°31 | 5°33 | 15°51 | 8°49 | 17°19 | 5°19 | 5°35 | 23°D51 | 25° 1 | 6° 0 | 27°46 | T 23 |
| F 24 | 4 15 26 | 2°17'43 | 3♑59 | 23°27 | 19°46 | 6°12 | 15°47 | 8°47 | 17°22 | 5°20 | 5°37 | 23°52 | 24°57 | 6° 7 | 27°47 | F 24 |
| S 25 | 4 19 23 | 3°17'56 | 17° 4 | 24°43 | 21° 1 | 6°51 | 15°43 | 8°46 | 17°25 | 5°20 | 5°39 | 23°53 | 24°54 | 6°13 | 27°48 | S 25 |
| S 26 | 4 23 19 | 4°18'11 | 0♒23 | 25°58 | 22°17 | 7°30 | 15°39 | 8°44 | 17°28 | 5°20 | 5°41 | 23°54 | 24°51 | 6°20 | 27°49 | S 26 |
| M27 | 4 27 16 | 5°18'27 | 13°56 | 27°11 | 23°32 | 8° 9 | 15°34 | 8°42 | 17°31 | 5°21 | 5°43 | 23°56 | 24°48 | 6°27 | 27°51 | M27 |
| T 28 | 4 31 12 | 6°18'45 | 27°42 | 28°23 | 24°47 | 8°47 | 15°30 | 8°41 | 17°33 | 5°21 | 5°45 | 23°56 | 24°45 | 6°33 | 27°52 | T 28 |
| W29 | 4 35 9 | 7°19'04 | 11♓43 | 29°32 | 26° 2 | 9°26 | 15°25 | 8°40 | 17°36 | 5°21 | 5°47 | 23°R57 | 24°42 | 6°40 | 27°54 | W29 |
| T 30 | 4 39 5 | 8♐19'24 | 25♓57 | 0♑38 | 27♏17 | 10♏ 5 | 15♋20 | 8♈38 | 17♑39 | 5♓22 | 5♑49 | 23♐56 | 24♐38 | 6♎47 | 27♒55 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14s32 | 6s32 | 4n43 | 18s14 | 0s34 | 6s45 | 1n32 | 7s30 | 0n52 | 21n57 | 0s21 | 1n33 | 2s32 | 22s41 | 0s23 | 9s53 | 0s25 | 15s20 | 7n53 | 23s13 | 23s15 | 6s 5 | 6s15 | 6n22 |
| T 2 | 14 51 | 0 53 | 5 5 | 18 45 | 0 40 | 7 13 | 1 32 | 7 44 | 0 51 | 21 57 | 0 21 | 1 32 | 2 32 | 22 41 | 0 23 | 9 53 | 0 25 | 15 20 | 7 53 | 23 12 | 23 15 | 6 8 | 6 16 | 6 22 |
| F 3 | 15 9 | 4n55 | 5 7 | 19 15 | 0 47 | 7 40 | 1 32 | 7 59 | 0 51 | 21 57 | 0 21 | 1 30 | 2 32 | 22 40 | 0 23 | 9 53 | 0 25 | 15 21 | 7 53 | 23 12 | 23 15 | 6 10 | 6 16 | 6 21 |
| S 4 | 15 27 | 10 31 | 4 49 | 19 45 | 0 54 | 8 8 | 1 31 | 8 13 | 0 51 | 21 57 | 0 21 | 1 29 | 2 32 | 22 40 | 0 23 | 9 53 | 0 25 | 15 21 | 7 52 | 23 12 | 23 15 | 6 13 | 6 17 | 6 21 |
| S 5 | 15 45 | 15 31 | 4 10 | 20 13 | 1 1 | 8 35 | 1 31 | 8 28 | 0 50 | 21 57 | 0 21 | 1 28 | 2 32 | 22 40 | 0 23 | 9 54 | 0 25 | 15 21 | 7 52 | 23 12 | 23 15 | 6 15 | 6 17 | 6 20 |
| M 6 | 16 3 | 19 30 | 3 15 | 20 40 | 1 7 | 9 2 | 1 31 | 8 42 | 0 50 | 21 57 | 0 21 | 1 27 | 2 32 | 22 40 | 0 23 | 9 54 | 0 25 | 15 21 | 7 52 | 23 12 | 23 15 | 6 18 | 6 17 | 6 20 |
| T 7 | 16 20 | 22 9 | 2 7 | 21 7 | 1 14 | 9 29 | 1 30 | 8 56 | 0 50 | 21 58 | 0 21 | 1 25 | 2 32 | 22 39 | 0 23 | 9 54 | 0 25 | 15 22 | 7 51 | 23 11 | 23 15 | 6 20 | 6 18 | 6 19 |
| W 8 | 16 38 | 23 18 | 0 53 | 21 32 | 1 20 | 9 56 | 1 29 | 9 11 | 0 49 | 21 58 | 0 20 | 1 24 | 2 31 | 22 39 | 0 23 | 9 54 | 0 25 | 15 22 | 7 51 | 23 11 | 23 15 | 6 23 | 6 18 | 6 19 |
| T 9 | 16 54 | 22 56 | 0s22 | 21 56 | 1 26 | 10 23 | 1 29 | 9 25 | 0 49 | 21 58 | 0 20 | 1 23 | 2 31 | 22 39 | 0 23 | 9 54 | 0 25 | 15 22 | 7 51 | 23 11 | 23 15 | 6 25 | 6 19 | 6 18 |
| F 10 | 17 11 | 21 14 | 1 34 | 22 19 | 1 32 | 10 49 | 1 28 | 9 39 | 0 49 | 21 58 | 0 20 | 1 22 | 2 31 | 22 39 | 0 23 | 9 54 | 0 25 | 15 22 | 7 51 | 23 11 | 23 14 | 6 28 | 6 19 | 6 18 |
| S 11 | 17 27 | 18 27 | 2 39 | 22 41 | 1 38 | 11 15 | 1 27 | 9 53 | 0 48 | 21 58 | 0 20 | 1 21 | 2 31 | 22 38 | 0 23 | 9 54 | 0 25 | 15 22 | 7 50 | 23 11 | 23 14 | 6 30 | 6 19 | 6 17 |
| S 12 | 17 43 | 14 52 | 3 34 | 23 2 | 1 44 | 11 41 | 1 26 | 10 7 | 0 48 | 21 59 | 0 20 | 1 20 | 2 31 | 22 38 | 0 23 | 9 54 | 0 25 | 15 23 | 7 50 | 23 11 | 23 14 | 6 33 | 6 20 | 6 17 |
| M13 | 17 59 | 10 43 | 4 17 | 23 22 | 1 49 | 12 7 | 1 25 | 10 21 | 0 48 | 21 59 | 0 20 | 1 19 | 2 31 | 22 38 | 0 23 | 9 54 | 0 25 | 15 23 | 7 50 | 23 11 | 23 14 | 6 36 | 6 20 | 6 16 |
| T 14 | 18 15 | 6 15 | 4 49 | 23 41 | 1 55 | 12 32 | 1 24 | 10 35 | 0 47 | 21 59 | 0 20 | 1 18 | 2 31 | 22 37 | 0 23 | 9 54 | 0 25 | 15 23 | 7 50 | 23 11 | 23 14 | 6 38 | 6 20 | 6 16 |
| W15 | 18 30 | 1 36 | 5 7 | 23 58 | 2 0 | 12 57 | 1 23 | 10 49 | 0 47 | 22 0 | 0 20 | 1 17 | 2 30 | 22 37 | 0 23 | 9 54 | 0 25 | 15 23 | 7 49 | 23 11 | 23 14 | 6 41 | 6 20 | 6 15 |
| T 16 | 18 44 | 3s 5 | 5 12 | 24 15 | 2 5 | 13 21 | 1 22 | 11 3 | 0 47 | 22 0 | 0 20 | 1 16 | 2 30 | 22 37 | 0 23 | 9 54 | 0 25 | 15 23 | 7 49 | 23 11 | 23 14 | 6 43 | 6 21 | 6 15 |
| F 17 | 18 59 | 7 38 | 5 4 | 24 30 | 2 9 | 13 46 | 1 21 | 11 16 | 0 46 | 22 0 | 0 20 | 1 16 | 2 30 | 22 36 | 0 23 | 9 54 | 0 25 | 15 24 | 7 49 | 23 11 | 23 14 | 6 46 | 6 21 | 6 14 |
| S 18 | 19 13 | 11 56 | 4 43 | 24 44 | 2 14 | 14 10 | 1 20 | 11 30 | 0 46 | 22 1 | 0 20 | 1 15 | 2 30 | 22 36 | 0 23 | 9 54 | 0 25 | 15 24 | 7 48 | 23 11 | 23 14 | 6 48 | 6 21 | 6 14 |
| S 19 | 19 27 | 15 49 | 4 9 | 24 57 | 2 18 | 14 34 | 1 19 | 11 43 | 0 46 | 22 1 | 0 20 | 1 14 | 2 30 | 22 36 | 0 23 | 9 54 | 0 25 | 15 24 | 7 48 | 23 11 | 23 13 | 6 51 | 6 21 | 6 14 |
| M20 | 19 40 | 19 4 | 3 23 | 25 8 | 2 22 | 14 57 | 1 17 | 11 57 | 0 45 | 22 2 | 0 20 | 1 13 | 2 29 | 22 35 | 0 23 | 9 54 | 0 25 | 15 24 | 7 48 | 23 10 | 23 13 | 6 53 | 6 21 | 6 13 |
| T 21 | 19 53 | 21 31 | 2 27 | 25 19 | 2 25 | 15 20 | 1 16 | 12 10 | 0 45 | 22 2 | 0 20 | 1 13 | 2 29 | 22 35 | 0 23 | 9 54 | 0 25 | 15 24 | 7 48 | 23 10 | 23 13 | 6 56 | 6 21 | 6 13 |
| W22 | 20 6 | 22 58 | 1 24 | 25 28 | 2 29 | 15 42 | 1 14 | 12 23 | 0 44 | 22 3 | 0 19 | 1 12 | 2 29 | 22 35 | 0 23 | 9 54 | 0 25 | 15 25 | 7 47 | 23 10 | 23 13 | 6 58 | 6 22 | 6 12 |
| T 23 | 20 18 | 23 16 | 0 15 | 25 36 | 2 31 | 16 5 | 1 13 | 12 37 | 0 44 | 22 3 | 0 19 | 1 12 | 2 29 | 22 34 | 0 23 | 9 54 | 0 25 | 15 25 | 7 47 | 23 10 | 23 13 | 7 1 | 6 22 | 6 12 |
| F 24 | 20 30 | 22 19 | 0n56 | 25 43 | 2 34 | 16 26 | 1 11 | 12 50 | 0 44 | 22 4 | 0 19 | 1 11 | 2 29 | 22 34 | 0 23 | 9 54 | 0 25 | 15 25 | 7 47 | 23 10 | 23 13 | 7 3 | 6 22 | 6 11 |
| S 25 | 20 42 | 20 10 | 2 5 | 25 48 | 2 36 | 16 48 | 1 10 | 13 3 | 0 43 | 22 4 | 0 19 | 1 11 | 2 29 | 22 34 | 0 23 | 9 54 | 0 25 | 15 25 | 7 47 | 23 10 | 23 13 | 7 6 | 6 22 | 6 11 |
| S 26 | 20 53 | 16 54 | 3 8 | 25 52 | 2 37 | 17 8 | 1 8 | 13 16 | 0 43 | 22 5 | 0 19 | 1 10 | 2 28 | 22 33 | 0 23 | 9 54 | 0 25 | 15 25 | 7 47 | 23 10 | 23 13 | 7 8 | 6 22 | 6 10 |
| M27 | 21 4 | 12 41 | 4 2 | 25 55 | 2 38 | 17 29 | 1 6 | 13 29 | 0 42 | 22 5 | 0 19 | 1 10 | 2 28 | 22 33 | 0 23 | 9 53 | 0 25 | 15 25 | 7 46 | 23 10 | 23 12 | 7 11 | 6 22 | 6 10 |
| T 28 | 21 15 | 7 46 | 4 44 | 25 57 | 2 39 | 17 49 | 1 5 | 13 41 | 0 42 | 22 6 | 0 19 | 1 9 | 2 28 | 22 32 | 0 23 | 9 53 | 0 25 | 15 25 | 7 46 | 23 10 | 23 12 | 7 13 | 6 22 | 6 9 |
| W29 | 21 25 | 2 22 | 5 9 | 25 57 | 2 39 | 18 8 | 1 3 | 13 54 | 0 42 | 22 7 | 0 19 | 1 9 | 2 28 | 22 32 | 0 23 | 9 53 | 0 25 | 15 26 | 7 46 | 23 10 | 23 12 | 7 16 | 6 21 | 6 9 |
| T 30 | 21s34 | 3n14 | 5n16 | 25s56 | 2s38 | 18s27 | 1n 1 | 14s 7 | 0n41 | 22n 7 | 0s19 | 1n 9 | 2s28 | 22s32 | 0s23 | 9s53 | 0s25 | 15s26 | 7n46 | 23s10 | 23s12 | 7s18 | 6s21 | 6n 8 |

Julian Day Number = 2815996.5, Delta T = 54m38s
Ecliptic obliquity = 23°18'36, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°42'32, Lahiri = 37°49'32


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# ASTRODIENST EPHEMERIS for the year 2997
# geocentric

## DECEMBER 2997 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 4 43 2 | 9♐19'46 | 10♈22 | 1♑42 | 28♏33 | 10♏44 | 15°R14 | 8°R37 | 17♑42 | 5♓22 | 5♑51 | 23°R55 | 24♐35 | 6♎54 | 27♒57 | F 1 |
| S 2 | 4 46 59 | 10°20'08 | 24°54 | 2°43 | 29°48 | 11°23 | 15♋ 9 | 8♈36 | 17°45 | 5°23 | 5°53 | 23♐53 | 24°32 | 7° 0 | 27°59 | S 2 |
| S 3 | 4 50 55 | 11°20'33 | 9♉28 | 3°40 | 1♐ 3 | 12° 2 | 15° 3 | 8°35 | 17°49 | 5°23 | 5°55 | 23°51 | 24°29 | 7° 7 | 28° 0 | S 3 |
| M 4 | 4 54 52 | 12°20'58 | 23°59 | 4°33 | 2°18 | 12°41 | 14°58 | 8°35 | 17°52 | 5°24 | 5°57 | 23°50 | 24°26 | 7°14 | 28° 2 | M 4 |
| T 5 | 4 58 48 | 13°21'25 | 8♊19 | 5°21 | 3°34 | 13°20 | 14°52 | 8°34 | 17°55 | 5°25 | 6° 0 | 23°49 | 24°23 | 7°21 | 28° 4 | T 5 |
| W 6 | 5 2 45 | 14°21'54 | 22°25 | 6° 5 | 4°49 | 13°59 | 14°46 | 8°33 | 17°58 | 5°25 | 6° 2 | 23°D49 | 24°19 | 7°27 | 28° 6 | W 6 |
| T 7 | 5 6 41 | 15°22'24 | 6♋11 | 6°43 | 6° 4 | 14°38 | 14°40 | 8°33 | 18° 1 | 5°26 | 6° 4 | 23°49 | 24°16 | 7°34 | 28° 8 | T 7 |
| F 8 | 5 10 38 | 16°22'56 | 19°35 | 7°14 | 7°20 | 15°17 | 14°33 | 8°32 | 18° 4 | 5°27 | 6° 6 | 23°49 | 24°13 | 7°41 | 28°10 | F 8 |
| S 9 | 5 14 34 | 17°23'29 | 2♌37 | 7°38 | 8°35 | 15°56 | 14°27 | 8°32 | 18° 7 | 5°28 | 6° 8 | 23°50 | 24°10 | 7°47 | 28°12 | S 9 |
| S 10 | 5 18 31 | 18°24'04 | 15°19 | 7°54 | 9°50 | 16°35 | 14°20 | 8°32 | 18°11 | 5°28 | 6°10 | 23°51 | 24° 7 | 7°54 | 28°14 | S 10 |
| M11 | 5 22 28 | 19°24'40 | 27°42 | 8°R 1 | 11° 6 | 17°14 | 14°14 | 8°D32 | 18°14 | 5°29 | 6°12 | 23°51 | 24° 3 | 8° 1 | 28°17 | M11 |
| T 12 | 5 26 24 | 20°25'18 | 9♍51 | 7°59 | 12°21 | 17°53 | 14° 7 | 8°32 | 18°17 | 5°30 | 6°15 | 23°51 | 24° 0 | 8° 8 | 28°19 | T 12 |
| W13 | 5 30 21 | 21°25'58 | 21°50 | 7°47 | 13°36 | 18°32 | 14° 0 | 8°32 | 18°21 | 5°31 | 6°17 | 23°R52 | 23°57 | 8°14 | 28°21 | W13 |
| T 14 | 5 34 17 | 22°26'39 | 3♎43 | 7°24 | 14°52 | 19°11 | 13°53 | 8°32 | 18°24 | 5°32 | 6°19 | 23°51 | 23°54 | 8°21 | 28°24 | T 14 |
| F 15 | 5 38 14 | 23°27'21 | 15°35 | 6°49 | 16° 7 | 19°50 | 13°46 | 8°33 | 18°27 | 5°33 | 6°21 | 23°D51 | 23°51 | 8°28 | 28°26 | F 15 |
| S 16 | 5 42 10 | 24°28'05 | 27°31 | 6° 4 | 17°23 | 20°29 | 13°38 | 8°33 | 18°31 | 5°34 | 6°23 | 23°51 | 23°48 | 8°34 | 28°29 | S 16 |
| S 17 | 5 46 7 | 25°28'51 | 9♏35 | 5° 9 | 18°38 | 21° 8 | 13°31 | 8°34 | 18°34 | 5°35 | 6°26 | 23°52 | 23°44 | 8°41 | 28°31 | S 17 |
| M18 | 5 50 3 | 26°29'38 | 21°50 | 4° 4 | 19°53 | 21°47 | 13°23 | 8°34 | 18°37 | 5°36 | 6°28 | 23°52 | 23°41 | 8°48 | 28°34 | M18 |
| T 19 | 5 54 0 | 27°30'26 | 4♐19 | 2°51 | 21° 9 | 22°26 | 13°16 | 8°35 | 18°41 | 5°37 | 6°30 | 23°52 | 23°38 | 8°55 | 28°37 | T 19 |
| W20 | 5 57 57 | 28°31'16 | 17° 3 | 1°32 | 22°24 | 23° 5 | 13° 8 | 8°36 | 18°44 | 5°38 | 6°32 | 23°52 | 23°35 | 9° 1 | 28°39 | W20 |
| T 21 | 6 1 53 | 29°32'06 | 0♑ 4 | 0°10 | 23°40 | 23°45 | 13° 0 | 8°37 | 18°48 | 5°39 | 6°35 | 23°R52 | 23°32 | 9° 8 | 28°42 | T 21 |
| F 22 | 6 5 50 | 0♑32'58 | 13°21 | 28♐47 | 24°55 | 24°24 | 12°53 | 8°38 | 18°51 | 5°40 | 6°37 | 23°52 | 23°29 | 9°15 | 28°45 | F 22 |
| S 23 | 6 9 46 | 1°33'51 | 26°53 | 27°26 | 26°11 | 25° 3 | 12°45 | 8°39 | 18°55 | 5°42 | 6°39 | 23°51 | 23°25 | 9°21 | 28°48 | S 23 |
| S 24 | 6 13 43 | 2°34'44 | 10♒37 | 26°10 | 27°26 | 25°42 | 12°37 | 8°41 | 18°58 | 5°43 | 6°41 | 23°50 | 23°22 | 9°28 | 28°51 | S 24 |
| M25 | 6 17 39 | 3°35'39 | 24°32 | 25° 1 | 28°42 | 26°21 | 12°29 | 8°42 | 19° 2 | 5°44 | 6°44 | 23°49 | 23°19 | 9°35 | 28°54 | M25 |
| T 26 | 6 21 36 | 4°36'34 | 8♓35 | 24° 2 | 29°57 | 27° 1 | 12°21 | 8°44 | 19° 5 | 5°45 | 6°46 | 23°48 | 23°16 | 9°42 | 28°57 | T 26 |
| W27 | 6 25 33 | 5°37'29 | 22°42 | 23°12 | 1♑12 | 27°40 | 12°13 | 8°45 | 19° 9 | 5°47 | 6°48 | 23°47 | 23°13 | 9°48 | 29° 0 | W27 |
| T 28 | 6 29 29 | 6°38'25 | 6♈53 | 22°33 | 2°28 | 28°19 | 12° 5 | 8°47 | 19°12 | 5°48 | 6°50 | 23°D47 | 23° 9 | 9°55 | 29° 3 | T 28 |
| F 29 | 6 33 26 | 7°39'22 | 21° 4 | 22° 6 | 3°43 | 28°58 | 11°57 | 8°49 | 19°16 | 5°50 | 6°53 | 23°47 | 23° 6 | 10° 2 | 29° 6 | F 29 |
| S 30 | 6 37 22 | 8°40'19 | 5♉14 | 21°50 | 4°59 | 29°38 | 11°49 | 8°51 | 19°20 | 5°51 | 6°55 | 23°48 | 23° 3 | 10° 8 | 29° 9 | S 30 |
| S 31 | 6 41 19 | 9♑41'16 | 19♉20 | 21°D44 | 6♑14 | 0♐17 | 11♋40 | 8♈53 | 19♑23 | 5♓52 | 6♑57 | 23♐49 | 23♐ 0 | 10♎15 | 29♒13 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 21s44 | 8n44 | 5n 3 | 25s54 | 2s36 | 18s46 | 0n59 | 14s19 | 0n41 | 22n 8 | 0s19 | 1n 8 | 2s27 | 22s31 | 0s23 | 9s53 | 0s25 | 15s26 | 7n45 | 23s10 | 23s12 | 7s21 | 6s21 | 6n 8 | F 1 |
| S 2 | 21 53 | 13 48 | 4 31 | 25 51 | 2 34 | 19 4 | 0 57 | 14 31 | 0 40 | 22 9 | 0 19 | 1 8 | 2 27 | 22 31 | 0 23 | 9 53 | 0 25 | 15 26 | 7 45 | 23 10 | 23 12 | 7 23 | 6 21 | 6 8 | S 2 |
| S 3 | 22 1 | 18 4 | 3 41 | 25 47 | 2 31 | 19 21 | 0 55 | 14 44 | 0 40 | 22 10 | 0 18 | 1 8 | 2 27 | 22 30 | 0 23 | 9 52 | 0 25 | 15 26 | 7 45 | 23 10 | 23 12 | 7 25 | 6 21 | 6 7 | S 3 |
| M 4 | 22 9 | 21 13 | 2 38 | 25 41 | 2 28 | 19 38 | 0 53 | 14 56 | 0 40 | 22 10 | 0 18 | 1 8 | 2 27 | 22 30 | 0 23 | 9 52 | 0 25 | 15 26 | 7 45 | 23 10 | 23 12 | 7 28 | 6 21 | 6 7 | M 4 |
| T 5 | 22 17 | 22 58 | 1 25 | 25 35 | 2 23 | 19 55 | 0 51 | 15 8 | 0 39 | 22 11 | 0 18 | 1 8 | 2 26 | 22 30 | 0 23 | 9 52 | 0 25 | 15 26 | 7 45 | 23 10 | 23 11 | 7 30 | 6 20 | 6 6 | T 5 |
| W 6 | 22 24 | 23 13 | 0 8 | 25 27 | 2 17 | 20 11 | 0 49 | 15 20 | 0 39 | 22 12 | 0 18 | 1 8 | 2 26 | 22 29 | 0 23 | 9 52 | 0 25 | 15 26 | 7 45 | 23 10 | 23 11 | 7 33 | 6 20 | 6 6 | W 6 |
| T 7 | 22 31 | 22 2 | 1s 8 | 25 18 | 2 10 | 20 26 | 0 47 | 15 32 | 0 38 | 22 13 | 0 18 | 1 8 | 2 26 | 22 29 | 0 23 | 9 51 | 0 25 | 15 26 | 7 44 | 23 10 | 23 11 | 7 35 | 6 20 | 6 5 | T 7 |
| F 8 | 22 37 | 19 37 | 2 18 | 25 9 | 2 2 | 20 40 | 0 45 | 15 43 | 0 38 | 22 13 | 0 18 | 1 8 | 2 26 | 22 28 | 0 23 | 9 51 | 0 25 | 15 27 | 7 44 | 23 10 | 23 11 | 7 38 | 6 20 | 6 5 | F 8 |
| S 9 | 22 43 | 16 14 | 3 19 | 24 58 | 1 53 | 20 55 | 0 43 | 15 55 | 0 37 | 22 14 | 0 18 | 1 8 | 2 26 | 22 28 | 0 23 | 9 51 | 0 25 | 15 27 | 7 44 | 23 10 | 23 11 | 7 40 | 6 19 | 6 4 | S 9 |
| S 10 | 22 48 | 12 12 | 4 8 | 24 46 | 1 42 | 21 8 | 0 41 | 16 7 | 0 37 | 22 15 | 0 18 | 1 8 | 2 25 | 22 28 | 0 23 | 9 51 | 0 25 | 15 27 | 7 44 | 23 10 | 23 11 | 7 43 | 6 19 | 6 4 | S 10 |
| M11 | 22 53 | 7 44 | 4 45 | 24 34 | 1 30 | 21 21 | 0 38 | 16 18 | 0 37 | 22 16 | 0 18 | 1 8 | 2 25 | 22 27 | 0 23 | 9 50 | 0 25 | 15 27 | 7 44 | 23 10 | 23 11 | 7 45 | 6 19 | 6 4 | M11 |
| T 12 | 22 58 | 3 5 | 5 8 | 24 21 | 1 17 | 21 33 | 0 36 | 16 29 | 0 36 | 22 17 | 0 18 | 1 9 | 2 25 | 22 27 | 0 23 | 9 50 | 0 25 | 15 27 | 7 43 | 23 10 | 23 10 | 7 48 | 6 18 | 6 3 | T 12 |
| W13 | 23 2 | 1s38 | 5 17 | 24 7 | 1 2 | 21 45 | 0 34 | 16 41 | 0 36 | 22 17 | 0 17 | 1 9 | 2 25 | 22 26 | 0 23 | 9 50 | 0 25 | 15 27 | 7 43 | 23 10 | 23 10 | 7 50 | 6 18 | 6 3 | W13 |
| T 14 | 23 6 | 6 15 | 5 13 | 23 52 | 0 45 | 21 56 | 0 32 | 16 52 | 0 35 | 22 18 | 0 17 | 1 9 | 2 24 | 22 26 | 0 23 | 9 49 | 0 25 | 15 27 | 7 43 | 23 10 | 23 10 | 7 53 | 6 17 | 6 2 | T 14 |
| F 15 | 23 9 | 10 38 | 4 55 | 23 36 | 0 28 | 22 6 | 0 29 | 17 3 | 0 35 | 22 19 | 0 17 | 1 9 | 2 24 | 22 25 | 0 23 | 9 49 | 0 25 | 15 27 | 7 43 | 23 10 | 23 10 | 7 55 | 6 17 | 6 2 | F 15 |
| S 16 | 23 12 | 14 39 | 4 24 | 23 19 | 0 9 | 22 16 | 0 27 | 17 13 | 0 34 | 22 20 | 0 17 | 1 10 | 2 24 | 22 25 | 0 23 | 9 49 | 0 25 | 15 27 | 7 43 | 23 10 | 23 10 | 7 57 | 6 17 | 6 2 | S 16 |
| S 17 | 23 14 | 18 6 | 3 42 | 23 2 | 0n10 | 22 25 | 0 25 | 17 24 | 0 34 | 22 21 | 0 17 | 1 10 | 2 24 | 22 24 | 0 23 | 9 48 | 0 25 | 15 27 | 7 43 | 23 10 | 23 10 | 8 0 | 6 16 | 6 1 | S 17 |
| M18 | 23 16 | 20 50 | 2 49 | 22 44 | 0 31 | 22 33 | 0 22 | 17 35 | 0 33 | 22 22 | 0 17 | 1 11 | 2 24 | 22 24 | 0 23 | 9 48 | 0 25 | 15 27 | 7 43 | 23 10 | 23 10 | 8 2 | 6 16 | 6 1 | M18 |
| T 19 | 23 17 | 22 38 | 1 46 | 22 26 | 0 51 | 22 41 | 0 20 | 17 45 | 0 33 | 22 22 | 0 17 | 1 11 | 2 23 | 22 23 | 0 23 | 9 47 | 0 25 | 15 27 | 7 42 | 23 10 | 23 9 | 8 5 | 6 15 | 6 0 | T 19 |
| W20 | 23 18 | 23 19 | 0 38 | 22 7 | 1 11 | 22 48 | 0 18 | 17 55 | 0 32 | 22 23 | 0 17 | 1 12 | 2 23 | 22 23 | 0 23 | 9 47 | 0 25 | 15 27 | 7 42 | 23 10 | 23 9 | 8 7 | 6 14 | 6 0 | W20 |
| T 21 | 23 19 | 22 44 | 0n34 | 21 49 | 1 30 | 22 54 | 0 15 | 18 6 | 0 32 | 22 24 | 0 17 | 1 12 | 2 23 | 22 23 | 0 23 | 9 47 | 0 25 | 15 27 | 7 42 | 23 10 | 23 9 | 8 10 | 6 14 | 6 0 | T 21 |
| F 22 | 23 18 | 20 53 | 1 46 | 21 31 | 1 48 | 23 0 | 0 13 | 18 16 | 0 31 | 22 25 | 0 16 | 1 13 | 2 23 | 22 22 | 0 23 | 9 46 | 0 25 | 15 27 | 7 42 | 23 10 | 23 9 | 8 12 | 6 13 | 5 59 | F 22 |
| S 23 | 23 18 | 17 50 | 2 53 | 21 14 | 2 4 | 23 5 | 0 10 | 18 26 | 0 31 | 22 26 | 0 16 | 1 14 | 2 22 | 22 22 | 0 23 | 9 46 | 0 25 | 15 27 | 7 42 | 23 10 | 23 9 | 8 14 | 6 13 | 5 59 | S 23 |
| S 24 | 23 17 | 13 46 | 3 51 | 20 58 | 2 18 | 23 9 | 0 8 | 18 35 | 0 30 | 22 27 | 0 16 | 1 15 | 2 22 | 22 21 | 0 23 | 9 45 | 0 25 | 15 27 | 7 42 | 23 10 | 23 9 | 8 17 | 6 12 | 5 58 | S 24 |
| M25 | 23 16 | 8 56 | 4 36 | 20 44 | 2 29 | 23 13 | 0 6 | 18 45 | 0 30 | 22 28 | 0 16 | 1 15 | 2 22 | 22 21 | 0 23 | 9 45 | 0 25 | 15 27 | 7 42 | 23 10 | 23 9 | 8 19 | 6 11 | 5 58 | M25 |
| T 26 | 23 14 | 3 35 | 5 5 | 20 32 | 2 39 | 23 15 | 0 3 | 18 54 | 0 29 | 22 29 | 0 16 | 1 16 | 2 22 | 22 20 | 0 23 | 9 44 | 0 25 | 15 27 | 7 42 | 23 10 | 23 8 | 8 22 | 6 11 | 5 58 | T 26 |
| W27 | 23 11 | 1n58 | 5 16 | 20 23 | 2 46 | 23 17 | 0 1 | 19 4 | 0 29 | 22 29 | 0 16 | 1 17 | 2 21 | 22 20 | 0 23 | 9 44 | 0 25 | 15 27 | 7 41 | 23 10 | 23 8 | 8 24 | 6 10 | 5 57 | W27 |
| T 28 | 23 9 | 7 26 | 5 8 | 20 16 | 2 50 | 23 19 | 0s 2 | 19 13 | 0 28 | 22 30 | 0 16 | 1 18 | 2 21 | 22 19 | 0 23 | 9 43 | 0 25 | 15 27 | 7 41 | 23 10 | 23 8 | 8 26 | 6 9 | 5 57 | T 28 |
| F 29 | 23 5 | 12 32 | 4 41 | 20 12 | 2 53 | 23 19 | 0 4 | 19 22 | 0 28 | 22 31 | 0 16 | 1 19 | 2 21 | 22 19 | 0 23 | 9 43 | 0 25 | 15 27 | 7 41 | 23 10 | 23 8 | 8 29 | 6 8 | 5 57 | F 29 |
| S 30 | 23 2 | 16 56 | 3 57 | 20 10 | 2 54 | 23 19 | 0 6 | 19 31 | 0 27 | 22 32 | 0 15 | 1 20 | 2 21 | 22 18 | 0 23 | 9 42 | 0 25 | 15 27 | 7 41 | 23 10 | 23 8 | 8 31 | 6 8 | 5 56 | S 30 |
| S 31 | 22s57 | 20n21 | 2n59 | 20s11 | 2n53 | 23s19 | 0s 9 | 19s40 | 0n27 | 22n33 | 0s15 | 1n21 | 2s21 | 22s18 | 0s23 | 9s42 | 0s25 | 15s27 | 7n41 | 23s10 | 23s 8 | 8s34 | 6s 7 | 5n56 | S 31 |

Julian Day Number = 2816026.5, Delta T = 54m38s
Ecliptic obliquity = 23°18'35, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°42'36, Lahiri = 37°49'37


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# ASTRODIENST EPHEMERIS for the year 2998
# geocentric

## JANUARY 2998 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 6 45 15 | 10♑42'14 | 3♊20 | 21♐49 | 7♑30 | 0♐56 | 11°R32 | 8♈55 | 19♑27 | 5♓54 | 6♑59 | 23♐51 | 22♐57 | 10♎22 | 29♒16 | M 1 |
| T 2 | 6 49 12 | 11°43'13 | 17°12 | 22° 2 | 8°45 | 1°36 | 11♋24 | 8°57 | 19°30 | 5°55 | 7° 2 | 23°R51 | 22°54 | 10°29 | 29°19 | T 2 |
| W 3 | 6 53 8 | 12°44'12 | 0♋53 | 22°24 | 10° 1 | 2°15 | 11°16 | 9° 0 | 19°34 | 5°57 | 7° 4 | 23°51 | 22°50 | 10°35 | 29°23 | W 3 |
| T 4 | 6 57 5 | 13°45'12 | 14°19 | 22°54 | 11°16 | 2°54 | 11° 8 | 9° 2 | 19°37 | 5°58 | 7° 6 | 23°50 | 22°47 | 10°42 | 29°26 | T 4 |
| F 5 | 7 1 2 | 14°46'12 | 27°31 | 23°31 | 12°32 | 3°34 | 11° 0 | 9° 5 | 19°41 | 6° 0 | 7° 8 | 23°48 | 22°44 | 10°49 | 29°30 | F 5 |
| S 6 | 7 4 58 | 15°47'13 | 10♌26 | 24°14 | 13°47 | 4°13 | 10°52 | 9° 7 | 19°45 | 6° 2 | 7°11 | 23°45 | 22°41 | 10°56 | 29°33 | S 6 |
| S 7 | 7 8 55 | 16°48'15 | 23° 5 | 25° 2 | 15° 3 | 4°52 | 10°43 | 9°10 | 19°48 | 6° 3 | 7°13 | 23°41 | 22°38 | 11° 2 | 29°37 | S 7 |
| M 8 | 7 12 51 | 17°49'17 | 5♍28 | 25°55 | 16°18 | 5°32 | 10°35 | 9°13 | 19°52 | 6° 5 | 7°15 | 23°37 | 22°35 | 11° 9 | 29°40 | M 8 |
| T 9 | 7 16 48 | 18°50'20 | 17°37 | 26°53 | 17°34 | 6°11 | 10°27 | 9°16 | 19°56 | 6° 6 | 7°17 | 23°33 | 22°31 | 11°16 | 29°44 | T 9 |
| W10 | 7 20 44 | 19°51'23 | 29°37 | 27°54 | 18°49 | 6°51 | 10°19 | 9°19 | 19°59 | 6° 8 | 7°19 | 23°31 | 22°28 | 11°22 | 29°48 | W10 |
| T 11 | 7 24 41 | 20°52'27 | 11♎30 | 28°58 | 20° 5 | 7°30 | 10°12 | 9°22 | 20° 3 | 6°10 | 7°22 | 23°29 | 22°25 | 11°29 | 29°51 | T 11 |
| F 12 | 7 28 37 | 21°53'32 | 23°22 | 0♑ 6 | 21°20 | 8°10 | 10° 4 | 9°25 | 20° 6 | 6°12 | 7°24 | 23°D28 | 22°22 | 11°36 | 29°55 | F 12 |
| S 13 | 7 32 34 | 22°54'37 | 5♏17 | 1°15 | 22°36 | 8°49 | 9°56 | 9°29 | 20°10 | 6°13 | 7°26 | 23°29 | 22°19 | 11°43 | 29°59 | S 13 |
| S 14 | 7 36 31 | 23°55'43 | 17°20 | 2°28 | 23°51 | 9°28 | 9°48 | 9°32 | 20°14 | 6°15 | 7°28 | 23°31 | 22°15 | 11°49 | 0♓ 3 | S 14 |
| M15 | 7 40 27 | 24°56'49 | 29°36 | 3°42 | 25° 7 | 10° 8 | 9°41 | 9°35 | 20°17 | 6°17 | 7°30 | 23°32 | 22°12 | 11°56 | 0° 7 | M15 |
| T 16 | 7 44 24 | 25°57'55 | 12♐ 9 | 4°58 | 26°22 | 10°48 | 9°33 | 9°39 | 20°21 | 6°19 | 7°33 | 23°34 | 22° 9 | 12° 3 | 0°10 | T 16 |
| W17 | 7 48 20 | 26°59'03 | 25° 3 | 6°15 | 27°38 | 11°27 | 9°26 | 9°43 | 20°24 | 6°21 | 7°35 | 23°R34 | 22° 6 | 12° 9 | 0°14 | W17 |
| T 18 | 7 52 17 | 28° 0'10 | 8♑18 | 7°35 | 28°53 | 12° 7 | 9°18 | 9°47 | 20°28 | 6°23 | 7°37 | 23°33 | 22° 3 | 12°16 | 0°18 | T 18 |
| F 19 | 7 56 13 | 29° 1'18 | 21°56 | 8°55 | 0♒ 9 | 12°46 | 9°11 | 9°50 | 20°32 | 6°24 | 7°39 | 23°31 | 22° 0 | 12°23 | 0°22 | F 19 |
| S 20 | 8 0 10 | 0♒ 2'25 | 5♒54 | 10°16 | 1°24 | 13°26 | 9° 4 | 9°54 | 20°35 | 6°26 | 7°41 | 23°26 | 21°56 | 12°30 | 0°26 | S 20 |
| S 21 | 8 4 6 | 1° 3'33 | 20° 8 | 11°39 | 2°40 | 14° 5 | 8°57 | 9°58 | 20°39 | 6°28 | 7°43 | 23°20 | 21°53 | 12°36 | 0°30 | S 21 |
| M22 | 8 8 3 | 2° 4'40 | 4♓33 | 13° 2 | 3°55 | 14°45 | 8°50 | 10° 3 | 20°42 | 6°30 | 7°45 | 23°14 | 21°50 | 12°43 | 0°34 | M22 |
| T 23 | 8 12 0 | 3° 5'47 | 19° 3 | 14°27 | 5°11 | 15°25 | 8°43 | 10° 7 | 20°46 | 6°32 | 7°47 | 23° 8 | 21°47 | 12°50 | 0°38 | T 23 |
| W24 | 8 15 56 | 4° 6'54 | 3♈31 | 15°52 | 6°26 | 16° 4 | 8°36 | 10°11 | 20°50 | 6°34 | 7°50 | 23° 3 | 21°44 | 12°56 | 0°42 | W24 |
| T 25 | 8 19 53 | 5° 8'00 | 17°53 | 17°18 | 7°42 | 16°44 | 8°30 | 10°16 | 20°53 | 6°36 | 7°52 | 23° 0 | 21°41 | 13° 3 | 0°47 | T 25 |
| F 26 | 8 23 49 | 6° 9'06 | 2♉ 5 | 18°45 | 8°57 | 17°23 | 8°23 | 10°20 | 20°57 | 6°38 | 7°54 | 22°D58 | 21°37 | 13°10 | 0°51 | F 26 |
| S 27 | 8 27 46 | 7°10'11 | 16° 5 | 20°12 | 10°13 | 18° 3 | 8°17 | 10°25 | 21° 0 | 6°40 | 7°56 | 22°59 | 21°34 | 13°17 | 0°55 | S 27 |
| S 28 | 8 31 42 | 8°11'16 | 29°54 | 21°40 | 11°28 | 18°43 | 8°11 | 10°29 | 21° 4 | 6°42 | 7°58 | 23° 0 | 21°31 | 13°23 | 0°59 | S 28 |
| M29 | 8 35 39 | 9°12'20 | 13♊30 | 23° 8 | 12°44 | 19°22 | 8° 5 | 10°34 | 21° 7 | 6°44 | 8° 0 | 23° 1 | 21°28 | 13°30 | 1° 3 | M29 |
| T 30 | 8 39 35 | 10°13'24 | 26°56 | 24°38 | 13°59 | 20° 2 | 7°59 | 10°39 | 21°11 | 6°46 | 8° 2 | 23°R 1 | 21°25 | 13°37 | 1° 8 | T 30 |
| W31 | 8 43 32 | 11♒14'27 | 10♋10 | 26♑ 7 | 15♒15 | 20♐42 | 7♋53 | 10♈44 | 21♑14 | 6♓49 | 8♑ 4 | 23♐ 0 | 21♐21 | 13♎43 | 1♓12 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s53 | 22n31 | 1n51 | 20s14 | 2n50 | 23s17 | 0s11 | 19s48 | 0n26 | 22n34 | 0s15 | 1n22 | 2s20 | 22s17 | 0s23 | 9s41 | 0s25 | 15s27 | 7n41 | 23s10 | 23s 7 | 8s36 | 6s 6 | 5n56 |
| T 2 | 22 48 | 23 18 | 0 37 | 20 18 | 2 46 | 23 15 | 0 14 | 19 57 | 0 26 | 22 34 | 0 15 | 1 23 | 2 20 | 22 17 | 0 23 | 9 41 | 0 25 | 15 27 | 7 41 | 23 10 | 23 7 | 8 38 | 6 5 | 5 55 |
| W 3 | 22 42 | 22 40 | 0s39 | 20 24 | 2 42 | 23 12 | 0 16 | 20 5 | 0 25 | 22 35 | 0 15 | 1 24 | 2 20 | 22 16 | 0 23 | 9 40 | 0 25 | 15 27 | 7 41 | 23 10 | 23 7 | 8 41 | 6 4 | 5 55 |
| T 4 | 22 36 | 20 43 | 1 50 | 20 31 | 2 36 | 23 8 | 0 18 | 20 13 | 0 25 | 22 36 | 0 15 | 1 25 | 2 20 | 22 16 | 0 23 | 9 39 | 0 25 | 15 27 | 7 41 | 23 10 | 23 7 | 8 43 | 6 4 | 5 55 |
| F 5 | 22 30 | 17 41 | 2 55 | 20 39 | 2 30 | 23 4 | 0 21 | 20 21 | 0 24 | 22 37 | 0 15 | 1 26 | 2 19 | 22 15 | 0 23 | 9 39 | 0 25 | 15 27 | 7 41 | 23 10 | 23 7 | 8 46 | 6 3 | 5 54 |
| S 6 | 22 23 | 13 51 | 3 49 | 20 48 | 2 23 | 22 59 | 0 23 | 20 29 | 0 23 | 22 38 | 0 14 | 1 28 | 2 19 | 22 15 | 0 23 | 9 38 | 0 25 | 15 27 | 7 41 | 23 10 | 23 7 | 8 48 | 6 2 | 5 54 |
| S 7 | 22 16 | 9 29 | 4 30 | 20 58 | 2 15 | 22 53 | 0 25 | 20 37 | 0 23 | 22 39 | 0 14 | 1 29 | 2 19 | 22 14 | 0 23 | 9 38 | 0 25 | 15 27 | 7 41 | 23 10 | 23 6 | 8 50 | 6 1 | 5 54 |
| M 8 | 22 8 | 4 50 | 4 58 | 21 7 | 2 8 | 22 47 | 0 28 | 20 45 | 0 22 | 22 39 | 0 14 | 1 30 | 2 19 | 22 13 | 0 23 | 9 37 | 0 25 | 15 27 | 7 41 | 23 9 | 23 6 | 8 53 | 6 0 | 5 53 |
| T 9 | 22 0 | 0 4 | 5 12 | 21 17 | 2 0 | 22 39 | 0 30 | 20 52 | 0 22 | 22 40 | 0 14 | 1 32 | 2 19 | 22 13 | 0 23 | 9 37 | 0 25 | 15 27 | 7 41 | 23 9 | 23 6 | 8 55 | 5 59 | 5 53 |
| W10 | 21 51 | 4s37 | 5 12 | 21 26 | 1 51 | 22 32 | 0 32 | 20 59 | 0 21 | 22 41 | 0 14 | 1 33 | 2 18 | 22 12 | 0 23 | 9 36 | 0 25 | 15 27 | 7 41 | 23 9 | 23 6 | 8 57 | 5 58 | 5 53 |
| T 11 | 21 42 | 9 6 | 4 58 | 21 36 | 1 43 | 22 23 | 0 34 | 21 6 | 0 21 | 22 42 | 0 14 | 1 34 | 2 18 | 22 12 | 0 23 | 9 35 | 0 25 | 15 27 | 7 40 | 23 9 | 23 6 | 9 0 | 5 57 | 5 53 |
| F 12 | 21 32 | 13 15 | 4 32 | 21 45 | 1 34 | 22 14 | 0 37 | 21 13 | 0 20 | 22 42 | 0 14 | 1 36 | 2 18 | 22 11 | 0 23 | 9 35 | 0 25 | 15 26 | 7 40 | 23 9 | 23 5 | 9 2 | 5 56 | 5 52 |
| S 13 | 21 23 | 16 53 | 3 54 | 21 53 | 1 25 | 22 4 | 0 39 | 21 20 | 0 19 | 22 43 | 0 13 | 1 37 | 2 18 | 22 11 | 0 23 | 9 34 | 0 25 | 15 26 | 7 40 | 23 9 | 23 5 | 9 5 | 5 55 | 5 52 |
| S 14 | 21 12 | 19 53 | 3 5 | 22 1 | 1 17 | 21 53 | 0 41 | 21 26 | 0 19 | 22 44 | 0 13 | 1 39 | 2 18 | 22 10 | 0 23 | 9 33 | 0 25 | 15 26 | 7 40 | 23 9 | 23 5 | 9 7 | 5 54 | 5 52 |
| M15 | 21 2 | 22 2 | 2 7 | 22 8 | 1 8 | 21 42 | 0 43 | 21 33 | 0 18 | 22 44 | 0 13 | 1 40 | 2 17 | 22 10 | 0 23 | 9 33 | 0 25 | 15 26 | 7 40 | 23 9 | 23 5 | 9 9 | 5 53 | 5 51 |
| T 16 | 20 50 | 23 9 | 1 2 | 22 14 | 0 59 | 21 30 | 0 45 | 21 39 | 0 18 | 22 45 | 0 13 | 1 42 | 2 17 | 22 9 | 0 23 | 9 32 | 0 25 | 15 26 | 7 40 | 23 9 | 23 5 | 9 12 | 5 52 | 5 51 |
| W17 | 20 39 | 23 5 | 0n 8 | 22 19 | 0 51 | 21 18 | 0 47 | 21 45 | 0 17 | 22 46 | 0 13 | 1 44 | 2 17 | 22 9 | 0 23 | 9 31 | 0 25 | 15 26 | 7 40 | 23 9 | 23 5 | 9 14 | 5 51 | 5 51 |
| T 18 | 20 27 | 21 44 | 1 20 | 22 24 | 0 42 | 21 4 | 0 49 | 21 51 | 0 16 | 22 47 | 0 13 | 1 45 | 2 17 | 22 8 | 0 23 | 9 31 | 0 25 | 15 26 | 7 40 | 23 9 | 23 4 | 9 16 | 5 50 | 5 51 |
| F 19 | 20 15 | 19 6 | 2 28 | 22 27 | 0 34 | 20 50 | 0 51 | 21 57 | 0 16 | 22 47 | 0 12 | 1 47 | 2 17 | 22 8 | 0 23 | 9 30 | 0 25 | 15 26 | 7 40 | 23 9 | 23 4 | 9 19 | 5 48 | 5 50 |
| S 20 | 20 2 | 15 18 | 3 30 | 22 30 | 0 25 | 20 36 | 0 53 | 22 2 | 0 15 | 22 48 | 0 12 | 1 49 | 2 16 | 22 7 | 0 23 | 9 29 | 0 25 | 15 26 | 7 40 | 23 9 | 23 4 | 9 21 | 5 47 | 5 50 |
| S 21 | 19 49 | 10 35 | 4 20 | 22 31 | 0 17 | 20 21 | 0 55 | 22 8 | 0 14 | 22 48 | 0 12 | 1 50 | 2 16 | 22 7 | 0 23 | 9 29 | 0 25 | 15 26 | 7 40 | 23 9 | 23 4 | 9 23 | 5 46 | 5 50 |
| M22 | 19 35 | 5 14 | 4 53 | 22 32 | 0 9 | 20 5 | 0 57 | 22 13 | 0 14 | 22 49 | 0 12 | 1 52 | 2 16 | 22 6 | 0 23 | 9 28 | 0 25 | 15 25 | 7 40 | 23 8 | 23 4 | 9 26 | 5 45 | 5 50 |
| T 23 | 19 22 | 0n26 | 5 9 | 22 31 | 0 1 | 19 49 | 0 59 | 22 18 | 0 13 | 22 50 | 0 12 | 1 54 | 2 16 | 22 6 | 0 23 | 9 27 | 0 25 | 15 25 | 7 40 | 23 8 | 23 3 | 9 28 | 5 44 | 5 49 |
| W24 | 19 7 | 6 3 | 5 5 | 22 29 | 0s 7 | 19 32 | 1 0 | 22 23 | 0 13 | 22 50 | 0 12 | 1 56 | 2 16 | 22 5 | 0 23 | 9 26 | 0 25 | 15 25 | 7 40 | 23 8 | 23 3 | 9 30 | 5 42 | 5 49 |
| T 25 | 18 53 | 11 18 | 4 41 | 22 26 | 0 14 | 19 15 | 1 2 | 22 27 | 0 12 | 22 51 | 0 12 | 1 58 | 2 15 | 22 5 | 0 23 | 9 26 | 0 25 | 15 25 | 7 40 | 23 8 | 23 3 | 9 33 | 5 41 | 5 49 |
| F 26 | 18 38 | 15 54 | 4 1 | 22 22 | 0 22 | 18 57 | 1 4 | 22 32 | 0 11 | 22 51 | 0 11 | 2 0 | 2 15 | 22 4 | 0 23 | 9 25 | 0 25 | 15 25 | 7 40 | 23 7 | 23 3 | 9 35 | 5 40 | 5 49 |
| S 27 | 18 23 | 19 32 | 3 6 | 22 17 | 0 29 | 18 38 | 1 5 | 22 36 | 0 11 | 22 52 | 0 11 | 2 2 | 2 15 | 22 4 | 0 23 | 9 24 | 0 25 | 15 25 | 7 40 | 23 7 | 23 3 | 9 37 | 5 39 | 5 49 |
| S 28 | 18 7 | 22 0 | 2 2 | 22 10 | 0 36 | 18 19 | 1 7 | 22 40 | 0 10 | 22 52 | 0 11 | 2 4 | 2 15 | 22 3 | 0 23 | 9 23 | 0 25 | 15 25 | 7 40 | 23 8 | 23 2 | 9 40 | 5 38 | 5 48 |
| M29 | 17 51 | 23 9 | 0 51 | 22 3 | 0 43 | 18 0 | 1 8 | 22 44 | 0 9 | 22 53 | 0 11 | 2 6 | 2 15 | 22 2 | 0 23 | 9 23 | 0 25 | 15 25 | 7 40 | 23 8 | 23 2 | 9 42 | 5 36 | 5 48 |
| T 30 | 17 35 | 22 55 | 0s21 | 21 54 | 0 50 | 17 39 | 1 10 | 22 48 | 0 8 | 22 53 | 0 11 | 2 8 | 2 15 | 22 2 | 0 23 | 9 22 | 0 25 | 15 24 | 7 40 | 23 8 | 23 2 | 9 44 | 5 35 | 5 48 |
| W31 | 17s19 | 21n25 | 1s31 | 21s44 | 0s56 | 17s19 | 1s11 | 22s51 | 0n 8 | 22n54 | 0s11 | 2n10 | 2s14 | 22s 1 | 0s23 | 9s21 | 0s25 | 15s24 | 7n41 | 23s 8 | 23s 2 | 9s46 | 5s34 | 5n48 |

Julian Day Number = 2816057.5, Delta T = 54m39s
Ecliptic obliquity = 23°18'34, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°42'40, Lahiri = 37°49'41


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# ASTRODIENST EPHEMERIS for the year 2998
# geocentric

## FEBRUARY 2998 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 47 29 | 12♒15'29 | 23♋12 | 27♑38 | 16♒30 | 21♐21 | 7°R48 | 10♈49 | 21♑18 | 6♓51 | 8♑ 6 | 22°R56 | 21♐18 | 13♎50 | 1♓16 | T 1 |
| F 2 | 8 51 25 | 13°16'31 | 6♌ 4 | 29° 9 | 17°45 | 22° 1 | 7♋42 | 10°54 | 21°21 | 6°53 | 8° 8 | 22♐50 | 21°15 | 13°57 | 1°20 | F 2 |
| S 3 | 8 55 22 | 14°17'33 | 18°44 | 0♒40 | 19° 1 | 22°41 | 7°37 | 10°59 | 21°24 | 6°55 | 8° 9 | 22°41 | 21°12 | 14° 4 | 1°25 | S 3 |
| S 4 | 8 59 18 | 15°18'34 | 1♍12 | 2°12 | 20°16 | 23°21 | 7°32 | 11° 4 | 21°28 | 6°57 | 8°11 | 22°31 | 21° 9 | 14°10 | 1°29 | S 4 |
| M 5 | 9 3 15 | 16°19'34 | 13°29 | 3°45 | 21°32 | 24° 0 | 7°27 | 11° 9 | 21°31 | 6°59 | 8°13 | 22°20 | 21° 6 | 14°17 | 1°33 | M 5 |
| T 6 | 9 7 11 | 17°20'34 | 25°36 | 5°18 | 22°47 | 24°40 | 7°23 | 11°14 | 21°35 | 7° 1 | 8°15 | 22°10 | 21° 2 | 14°24 | 1°38 | T 6 |
| W 7 | 9 11 8 | 18°21'33 | 7♎34 | 6°52 | 24° 2 | 25°20 | 7°18 | 11°20 | 21°38 | 7° 4 | 8°17 | 22° 1 | 20°59 | 14°30 | 1°42 | W 7 |
| T 8 | 9 15 4 | 19°22'32 | 19°26 | 8°26 | 25°18 | 26° 0 | 7°14 | 11°25 | 21°41 | 7° 6 | 8°19 | 21°54 | 20°56 | 14°37 | 1°46 | T 8 |
| F 9 | 9 19 1 | 20°23'31 | 1♏16 | 10° 1 | 26°33 | 26°40 | 7° 9 | 11°31 | 21°44 | 7° 8 | 8°21 | 21°50 | 20°53 | 14°44 | 1°51 | F 9 |
| S 10 | 9 22 58 | 21°24'29 | 13° 9 | 11°37 | 27°49 | 27°19 | 7° 6 | 11°36 | 21°48 | 7°10 | 8°22 | 21°47 | 20°50 | 14°50 | 1°55 | S 10 |
| S 11 | 9 26 54 | 22°25'27 | 25° 9 | 13°13 | 29° 4 | 27°59 | 7° 2 | 11°42 | 21°51 | 7°12 | 8°24 | 21°D47 | 20°47 | 14°57 | 2° 0 | S 11 |
| M12 | 9 30 51 | 23°26'24 | 7♐21 | 14°50 | 0♓19 | 28°39 | 6°58 | 11°48 | 21°54 | 7°15 | 8°26 | 21°48 | 20°43 | 15° 4 | 2° 4 | M12 |
| T 13 | 9 34 47 | 24°27'21 | 19°52 | 16°27 | 1°35 | 29°19 | 6°55 | 11°54 | 21°57 | 7°17 | 8°28 | 21°R48 | 20°40 | 15°11 | 2° 8 | T 13 |
| W14 | 9 38 44 | 25°28'17 | 2♑45 | 18° 6 | 2°50 | 29°59 | 6°51 | 11°59 | 22° 1 | 7°19 | 8°29 | 21°48 | 20°37 | 15°17 | 2°13 | W14 |
| T 15 | 9 42 40 | 26°29'12 | 16° 5 | 19°44 | 4° 5 | 0♑39 | 6°48 | 12° 5 | 22° 4 | 7°21 | 8°31 | 21°45 | 20°34 | 15°24 | 2°17 | T 15 |
| F 16 | 9 46 37 | 27°30'07 | 29°52 | 21°24 | 5°21 | 1°19 | 6°46 | 12°11 | 22° 7 | 7°24 | 8°33 | 21°40 | 20°31 | 15°31 | 2°22 | F 16 |
| S 17 | 9 50 33 | 28°31'01 | 14♒ 6 | 23° 4 | 6°36 | 1°58 | 6°43 | 12°17 | 22°10 | 7°26 | 8°34 | 21°32 | 20°27 | 15°37 | 2°26 | S 17 |
| S 18 | 9 54 30 | 29°31'54 | 28°43 | 24°45 | 7°51 | 2°38 | 6°41 | 12°23 | 22°13 | 7°28 | 8°36 | 21°22 | 20°24 | 15°44 | 2°31 | S 18 |
| M19 | 9 58 27 | 0♓32'45 | 13♓34 | 26°27 | 9° 6 | 3°18 | 6°38 | 12°30 | 22°16 | 7°30 | 8°37 | 21°11 | 20°21 | 15°51 | 2°35 | M19 |
| T 20 | 10 2 23 | 1°33'36 | 28°32 | 28° 9 | 10°22 | 3°58 | 6°36 | 12°36 | 22°19 | 7°33 | 8°39 | 21° 0 | 20°18 | 15°58 | 2°39 | T 20 |
| W21 | 10 6 20 | 2°34'26 | 13♈27 | 29°52 | 11°37 | 4°38 | 6°34 | 12°42 | 22°22 | 7°35 | 8°40 | 20°51 | 20°15 | 16° 4 | 2°44 | W21 |
| T 22 | 10 10 16 | 3°35'14 | 28°10 | 1♓36 | 12°52 | 5°18 | 6°33 | 12°48 | 22°25 | 7°37 | 8°42 | 20°44 | 20°12 | 16°11 | 2°48 | T 22 |
| F 23 | 10 14 13 | 4°36'01 | 12♉36 | 3°21 | 14° 7 | 5°58 | 6°31 | 12°55 | 22°28 | 7°39 | 8°43 | 20°40 | 20° 8 | 16°18 | 2°53 | F 23 |
| S 24 | 10 18 9 | 5°36'46 | 26°42 | 5° 6 | 15°23 | 6°38 | 6°30 | 13° 1 | 22°31 | 7°42 | 8°45 | 20°39 | 20° 5 | 16°24 | 2°57 | S 24 |
| S 25 | 10 22 6 | 6°37'30 | 10♊28 | 6°52 | 16°38 | 7°18 | 6°29 | 13° 7 | 22°34 | 7°44 | 8°46 | 20°D38 | 20° 2 | 16°31 | 3° 2 | S 25 |
| M26 | 10 26 2 | 7°38'12 | 23°55 | 8°39 | 17°53 | 7°58 | 6°28 | 13°14 | 22°37 | 7°46 | 8°48 | 20°R38 | 19°59 | 16°38 | 3° 6 | M26 |
| T 27 | 10 29 59 | 8°38'53 | 7♋ 4 | 10°27 | 19° 8 | 8°38 | 6°28 | 13°21 | 22°39 | 7°48 | 8°49 | 20°37 | 19°56 | 16°45 | 3°11 | T 27 |
| W28 | 10 33 56 | 9♓39'32 | 20♋ 0 | 12♓15 | 20♓23 | 9♑18 | 6♋27 | 13♈27 | 22♑42 | 7♓51 | 8♑50 | 20♐34 | 19♐53 | 16♎51 | 3♓15 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s 2 | 18n47 | 2s35 | 21s32 | 1s 2 | 16s58 | 1s13 | 22s55 | 0n 7 | 22n54 | 0s10 | 2n12 | 2s14 | 22s 1 | 0s23 | 9s20 | 0s25 | 15s24 | 7n41 | 23s 7 | 23s 2 | 9s49 | 5s32 | 5n48 |
| F 2 | 16 45 | 15 15 | 3 30 | 21 20 | 1 8 | 16 36 | 1 14 | 22 58 | 0 6 | 22 55 | 0 10 | 2 14 | 2 14 | 22 0 | 0 23 | 9 20 | 0 25 | 15 24 | 7 41 | 23 7 | 23 1 | 9 51 | 5 31 | 5 48 |
| S 3 | 16 27 | 11 6 | 4 14 | 21 6 | 1 14 | 16 14 | 1 15 | 23 1 | 0 6 | 22 55 | 0 10 | 2 16 | 2 14 | 22 0 | 0 23 | 9 19 | 0 25 | 15 24 | 7 41 | 23 7 | 23 1 | 9 53 | 5 30 | 5 47 |
| S 4 | 16 9 | 6 33 | 4 45 | 20 51 | 1 19 | 15 52 | 1 17 | 23 4 | 0 5 | 22 56 | 0 10 | 2 18 | 2 14 | 21 59 | 0 23 | 9 18 | 0 25 | 15 24 | 7 41 | 23 6 | 23 1 | 9 56 | 5 28 | 5 47 |
| M 5 | 15 51 | 1 49 | 5 1 | 20 35 | 1 25 | 15 29 | 1 18 | 23 6 | 0 4 | 22 56 | 0 10 | 2 20 | 2 14 | 21 59 | 0 23 | 9 17 | 0 25 | 15 23 | 7 41 | 23 5 | 23 1 | 9 58 | 5 27 | 5 47 |
| T 6 | 15 33 | 2s55 | 5 4 | 20 17 | 1 30 | 15 5 | 1 19 | 23 9 | 0 3 | 22 57 | 0 10 | 2 23 | 2 13 | 21 58 | 0 23 | 9 16 | 0 25 | 15 23 | 7 41 | 23 5 | 23 1 | 10 0 | 5 26 | 5 47 |
| W 7 | 15 15 | 7 29 | 4 54 | 19 59 | 1 34 | 14 42 | 1 20 | 23 11 | 0 3 | 22 57 | 0 10 | 2 25 | 2 13 | 21 58 | 0 23 | 9 16 | 0 25 | 15 23 | 7 41 | 23 4 | 23 0 | 10 2 | 5 24 | 5 47 |
| T 8 | 14 56 | 11 45 | 4 31 | 19 39 | 1 39 | 14 17 | 1 21 | 23 13 | 0 2 | 22 57 | 0 9 | 2 27 | 2 13 | 21 57 | 0 23 | 9 15 | 0 25 | 15 23 | 7 41 | 23 4 | 23 0 | 10 5 | 5 23 | 5 47 |
| F 9 | 14 37 | 15 33 | 3 56 | 19 17 | 1 43 | 13 53 | 1 22 | 23 15 | 0 1 | 22 58 | 0 9 | 2 29 | 2 13 | 21 57 | 0 23 | 9 14 | 0 25 | 15 23 | 7 41 | 23 4 | 23 0 | 10 7 | 5 21 | 5 46 |
| S 10 | 14 17 | 18 44 | 3 11 | 18 55 | 1 47 | 13 28 | 1 23 | 23 16 | 0 0 | 22 58 | 0 9 | 2 32 | 2 13 | 21 56 | 0 23 | 9 13 | 0 25 | 15 23 | 7 41 | 23 3 | 23 0 | 10 9 | 5 20 | 5 46 |
| S 11 | 13 58 | 21 10 | 2 17 | 18 31 | 1 50 | 13 2 | 1 23 | 23 18 | 0s 0 | 22 59 | 0 9 | 2 34 | 2 13 | 21 56 | 0 23 | 9 12 | 0 25 | 15 22 | 7 41 | 23 3 | 22 59 | 10 12 | 5 19 | 5 46 |
| M12 | 13 38 | 22 41 | 1 16 | 18 6 | 1 53 | 12 37 | 1 24 | 23 19 | 0 1 | 22 59 | 0 9 | 2 36 | 2 12 | 21 55 | 0 23 | 9 12 | 0 25 | 15 22 | 7 41 | 23 3 | 22 59 | 10 14 | 5 17 | 5 46 |
| T 13 | 13 18 | 23 6 | 0 10 | 17 40 | 1 56 | 12 11 | 1 25 | 23 20 | 0 2 | 22 59 | 0 9 | 2 39 | 2 12 | 21 55 | 0 23 | 9 11 | 0 25 | 15 22 | 7 41 | 23 3 | 22 59 | 10 16 | 5 16 | 5 46 |
| W14 | 12 58 | 22 19 | 0n58 | 17 13 | 1 59 | 11 44 | 1 26 | 23 21 | 0 3 | 23 0 | 0 8 | 2 41 | 2 12 | 21 54 | 0 23 | 9 10 | 0 25 | 15 22 | 7 41 | 23 3 | 22 59 | 10 18 | 5 14 | 5 46 |
| T 15 | 12 37 | 20 16 | 2 6 | 16 44 | 2 1 | 11 18 | 1 26 | 23 22 | 0 3 | 23 0 | 0 8 | 2 44 | 2 12 | 21 54 | 0 23 | 9 9 | 0 25 | 15 22 | 7 42 | 23 3 | 22 59 | 10 21 | 5 13 | 5 46 |
| F 16 | 12 16 | 17 0 | 3 8 | 16 14 | 2 3 | 10 51 | 1 27 | 23 22 | 0 4 | 23 0 | 0 8 | 2 46 | 2 12 | 21 53 | 0 23 | 9 8 | 0 25 | 15 21 | 7 42 | 23 3 | 22 58 | 10 23 | 5 11 | 5 46 |
| S 17 | 11 56 | 12 40 | 4 1 | 15 43 | 2 4 | 10 23 | 1 27 | 23 23 | 0 5 | 23 0 | 0 8 | 2 48 | 2 12 | 21 53 | 0 23 | 9 7 | 0 25 | 15 21 | 7 42 | 23 2 | 22 58 | 10 25 | 5 10 | 5 46 |
| S 18 | 11 34 | 7 30 | 4 39 | 15 10 | 2 6 | 9 56 | 1 27 | 23 23 | 0 6 | 23 1 | 0 8 | 2 51 | 2 12 | 21 52 | 0 23 | 9 7 | 0 25 | 15 21 | 7 42 | 23 2 | 22 58 | 10 27 | 5 8 | 5 46 |
| M19 | 11 13 | 1 49 | 4 59 | 14 37 | 2 6 | 9 28 | 1 28 | 23 23 | 0 7 | 23 1 | 0 8 | 2 53 | 2 12 | 21 52 | 0 23 | 9 6 | 0 25 | 15 21 | 7 42 | 23 1 | 22 58 | 10 30 | 5 7 | 5 46 |
| T 20 | 10 52 | 4n 0 | 4 59 | 14 2 | 2 7 | 9 0 | 1 28 | 23 23 | 0 7 | 23 1 | 0 8 | 2 56 | 2 11 | 21 51 | 0 23 | 9 5 | 0 25 | 15 21 | 7 42 | 23 0 | 22 57 | 10 32 | 5 5 | 5 45 |
| W21 | 10 30 | 9 34 | 4 39 | 13 26 | 2 7 | 8 32 | 1 28 | 23 22 | 0 8 | 23 1 | 0 7 | 2 58 | 2 11 | 21 51 | 0 23 | 9 4 | 0 25 | 15 20 | 7 42 | 23 0 | 22 57 | 10 34 | 5 4 | 5 45 |
| T 22 | 10 8 | 14 30 | 4 0 | 12 49 | 2 6 | 8 3 | 1 28 | 23 21 | 0 9 | 23 2 | 0 7 | 3 1 | 2 11 | 21 51 | 0 23 | 9 3 | 0 25 | 15 20 | 7 42 | 22 59 | 22 57 | 10 36 | 5 2 | 5 45 |
| F 23 | 9 46 | 18 30 | 3 7 | 12 10 | 2 5 | 7 34 | 1 28 | 23 21 | 0 10 | 23 2 | 0 7 | 3 3 | 2 11 | 21 50 | 0 23 | 9 2 | 0 25 | 15 20 | 7 42 | 22 59 | 22 57 | 10 38 | 5 1 | 5 45 |
| S 24 | 9 24 | 21 19 | 2 3 | 11 31 | 2 4 | 7 5 | 1 28 | 23 20 | 0 11 | 23 2 | 0 7 | 3 6 | 2 11 | 21 50 | 0 24 | 9 2 | 0 25 | 15 20 | 7 42 | 22 59 | 22 56 | 10 41 | 4 59 | 5 45 |
| S 25 | 9 2 | 22 47 | 0 54 | 10 50 | 2 2 | 6 36 | 1 28 | 23 18 | 0 12 | 23 2 | 0 7 | 3 9 | 2 11 | 21 49 | 0 24 | 9 1 | 0 25 | 15 20 | 7 43 | 22 59 | 22 56 | 10 43 | 4 58 | 5 45 |
| M26 | 8 40 | 22 53 | 0s17 | 10 8 | 2 0 | 6 7 | 1 28 | 23 17 | 0 13 | 23 2 | 0 7 | 3 11 | 2 11 | 21 49 | 0 24 | 9 0 | 0 25 | 15 19 | 7 43 | 22 59 | 22 56 | 10 45 | 4 56 | 5 45 |
| T 27 | 8 17 | 21 42 | 1 26 | 9 25 | 1 57 | 5 38 | 1 28 | 23 15 | 0 13 | 23 3 | 0 7 | 3 14 | 2 11 | 21 48 | 0 24 | 8 59 | 0 25 | 15 19 | 7 43 | 22 59 | 22 56 | 10 47 | 4 55 | 5 45 |
| W28 | 7s54 | 19n23 | 2s29 | 8s40 | 1s53 | 5s 8 | 1s28 | 23s13 | 0s14 | 23n 3 | 0s 6 | 3n17 | 2s11 | 21s48 | 0s24 | 8s58 | 0s25 | 15s19 | 7n43 | 22s59 | 22s56 | 10s50 | 4s53 | 5n45 |

Julian Day Number = 2816088.5, Delta T = 54m39s
Ecliptic obliquity = 23°18'34, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°42'45, Lahiri = 37°49'45


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# ASTRODIENST EPHEMERIS for the year 2998
# geocentric

## MARCH 2998 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 37 52 | 10♓40'10 | 2♌42 | 14♓ 5 | 21♓38 | 9♑58 | 6°R27 | 13♈34 | 22♑45 | 7♓53 | 8♑52 | 20°R28 | 19♐49 | 16♎58 | 3♓19 | T 1 |
| F 2 | 10 41 49 | 11°40'46 | 15°15 | 15°54 | 22°53 | 10°38 | 6°D27 | 13°40 | 22°48 | 7°55 | 8°53 | 20♐19 | 19°46 | 17° 5 | 3°24 | F 2 |
| S 3 | 10 45 45 | 12°41'21 | 27°38 | 17°44 | 24° 9 | 11°18 | 6♋27 | 13°47 | 22°50 | 7°58 | 8°54 | 20° 8 | 19°43 | 17°11 | 3°28 | S 3 |
| S 4 | 10 49 42 | 13°41'54 | 9♍53 | 19°35 | 25°24 | 11°58 | 6°28 | 13°54 | 22°53 | 8° 0 | 8°55 | 19°54 | 19°40 | 17°18 | 3°33 | S 4 |
| M 5 | 10 53 38 | 14°42'26 | 22° 0 | 21°26 | 26°39 | 12°38 | 6°28 | 14° 1 | 22°55 | 8° 2 | 8°57 | 19°39 | 19°37 | 17°25 | 3°37 | M 5 |
| T 6 | 10 57 35 | 15°42'56 | 4♎ 1 | 23°18 | 27°54 | 13°18 | 6°29 | 14° 7 | 22°58 | 8° 4 | 8°58 | 19°25 | 19°33 | 17°31 | 3°41 | T 6 |
| W 7 | 11 1 31 | 16°43'25 | 15°55 | 25° 9 | 29° 9 | 13°58 | 6°30 | 14°14 | 23° 0 | 8° 7 | 8°59 | 19°12 | 19°30 | 17°38 | 3°46 | W 7 |
| T 8 | 11 5 28 | 17°43'52 | 27°46 | 27° 1 | 0♈24 | 14°38 | 6°31 | 14°21 | 23° 3 | 8° 9 | 9° 0 | 19° 1 | 19°27 | 17°45 | 3°50 | T 8 |
| F 9 | 11 9 25 | 18°44'18 | 9♏35 | 28°52 | 1°38 | 15°18 | 6°33 | 14°28 | 23° 5 | 8°11 | 9° 1 | 18°54 | 19°24 | 17°52 | 3°54 | F 9 |
| S 10 | 11 13 21 | 19°44'43 | 21°27 | 0♈43 | 2°53 | 15°58 | 6°34 | 14°35 | 23° 8 | 8°13 | 9° 2 | 18°49 | 19°21 | 17°58 | 3°59 | S 10 |
| S 11 | 11 17 18 | 20°45'07 | 3♐25 | 2°33 | 4° 8 | 16°38 | 6°36 | 14°42 | 23°10 | 8°16 | 9° 3 | 18°47 | 19°18 | 18° 5 | 4° 3 | S 11 |
| M12 | 11 21 14 | 21°45'29 | 15°35 | 4°22 | 5°23 | 17°18 | 6°38 | 14°49 | 23°12 | 8°18 | 9° 4 | 18°46 | 19°14 | 18°12 | 4° 7 | M12 |
| T 13 | 11 25 11 | 22°45'50 | 28° 1 | 6° 9 | 6°38 | 17°58 | 6°40 | 14°56 | 23°15 | 8°20 | 9° 5 | 18°46 | 19°11 | 18°18 | 4°12 | T 13 |
| W14 | 11 29 7 | 23°46'10 | 10♑49 | 7°55 | 7°53 | 18°38 | 6°42 | 15° 3 | 23°17 | 8°22 | 9° 6 | 18°46 | 19° 8 | 18°25 | 4°16 | W14 |
| T 15 | 11 33 4 | 24°46'28 | 24° 4 | 9°38 | 9° 8 | 19°18 | 6°45 | 15°11 | 23°19 | 8°25 | 9° 7 | 18°43 | 19° 5 | 18°32 | 4°20 | T 15 |
| F 16 | 11 37 0 | 25°46'45 | 7♒48 | 11°18 | 10°22 | 19°58 | 6°48 | 15°18 | 23°21 | 8°27 | 9° 8 | 18°38 | 19° 2 | 18°39 | 4°24 | F 16 |
| S 17 | 11 40 57 | 26°47'01 | 22° 3 | 12°56 | 11°37 | 20°38 | 6°51 | 15°25 | 23°23 | 8°29 | 9° 8 | 18°30 | 18°58 | 18°45 | 4°28 | S 17 |
| S 18 | 11 44 54 | 27°47'14 | 6♓45 | 14°29 | 12°52 | 21°18 | 6°54 | 15°32 | 23°25 | 8°31 | 9° 9 | 18°20 | 18°55 | 18°52 | 4°33 | S 18 |
| M19 | 11 48 50 | 28°47'27 | 21°47 | 15°58 | 14° 7 | 21°59 | 6°57 | 15°39 | 23°27 | 8°33 | 9°10 | 18° 9 | 18°52 | 18°59 | 4°37 | M19 |
| T 20 | 11 52 47 | 29°47'37 | 7♈ 2 | 17°21 | 15°21 | 22°39 | 7° 1 | 15°47 | 23°29 | 8°35 | 9°11 | 17°57 | 18°49 | 19° 5 | 4°41 | T 20 |
| W21 | 11 56 43 | 0♈47'46 | 22°17 | 18°39 | 16°36 | 23°19 | 7° 4 | 15°54 | 23°31 | 8°38 | 9°11 | 17°47 | 18°46 | 19°12 | 4°45 | W21 |
| T 22 | 12 0 40 | 1°47'53 | 7♉21 | 19°51 | 17°51 | 23°59 | 7° 8 | 16° 1 | 23°33 | 8°40 | 9°12 | 17°40 | 18°43 | 19°19 | 4°49 | T 22 |
| F 23 | 12 4 36 | 2°47'58 | 22° 6 | 20°57 | 19° 5 | 24°39 | 7°12 | 16° 8 | 23°35 | 8°42 | 9°13 | 17°35 | 18°39 | 19°25 | 4°53 | F 23 |
| S 24 | 12 8 33 | 3°48'00 | 6♊27 | 21°55 | 20°20 | 25°19 | 7°16 | 16°16 | 23°37 | 8°44 | 9°13 | 17°33 | 18°36 | 19°32 | 4°57 | S 24 |
| S 25 | 12 12 29 | 4°48'01 | 20°22 | 22°45 | 21°34 | 25°59 | 7°21 | 16°23 | 23°38 | 8°46 | 9°14 | 17°D33 | 18°33 | 19°39 | 5° 1 | S 25 |
| M26 | 12 16 26 | 5°48'00 | 3♋52 | 23°27 | 22°49 | 26°39 | 7°25 | 16°30 | 23°40 | 8°48 | 9°14 | 17°R33 | 18°30 | 19°46 | 5° 5 | M26 |
| T 27 | 12 20 22 | 6°47'57 | 17° 0 | 24° 2 | 24° 3 | 27°19 | 7°30 | 16°38 | 23°42 | 8°50 | 9°15 | 17°33 | 18°27 | 19°52 | 5° 9 | T 27 |
| W28 | 12 24 19 | 7°47'51 | 29°48 | 24°27 | 25°18 | 27°59 | 7°35 | 16°45 | 23°43 | 8°52 | 9°15 | 17°30 | 18°24 | 19°59 | 5°13 | W28 |
| T 29 | 12 28 16 | 8°47'43 | 12♌20 | 24°44 | 26°32 | 28°39 | 7°40 | 16°53 | 23°45 | 8°54 | 9°16 | 17°26 | 18°20 | 20° 6 | 5°17 | T 29 |
| F 30 | 12 32 12 | 9°47'33 | 24°40 | 24°R52 | 27°47 | 29°19 | 7°46 | 17° 0 | 23°46 | 8°56 | 9°16 | 17°18 | 18°17 | 20°12 | 5°21 | F 30 |
| S 31 | 12 36 9 | 10♈47'21 | 6♍51 | 24♈52 | 29♈ 1 | 29♑59 | 7♋51 | 17♈ 7 | 23♑48 | 8♓58 | 9♑17 | 17♐ 8 | 18♐14 | 20♎19 | 5♓24 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7s32 | 16n 9 | 3s23 | 7s55 | 1s49 | 4s38 | 1s27 | 23s12 | 0s15 | 23n 3 | 0s 6 | 3n19 | 2s10 | 21s47 | 0s24 | 8s57 | 0s25 | 15s19 | 7n43 | 22s58 | 22s55 | 10s52 | 4s52 | 5n45 |
| F 2 | 7 9 | 12 15 | 4 6 | 7 9 | 1 45 | 4 8 | 1 27 | 23 9 | 0 16 | 23 3 | 0 6 | 3 22 | 2 10 | 21 47 | 0 24 | 8 57 | 0 25 | 15 19 | 7 43 | 22 58 | 22 55 | 10 54 | 4 50 | 5 45 |
| S 3 | 6 46 | 7 53 | 4 37 | 6 21 | 1 40 | 3 38 | 1 26 | 23 7 | 0 17 | 23 3 | 0 6 | 3 24 | 2 10 | 21 47 | 0 24 | 8 56 | 0 25 | 15 18 | 7 43 | 22 57 | 22 55 | 10 56 | 4 48 | 5 45 |
| S 4 | 6 23 | 3 16 | 4 55 | 5 33 | 1 34 | 3 8 | 1 26 | 23 4 | 0 18 | 23 3 | 0 6 | 3 27 | 2 10 | 21 46 | 0 24 | 8 55 | 0 25 | 15 18 | 7 43 | 22 56 | 22 55 | 10 58 | 4 47 | 5 45 |
| M 5 | 5 59 | 1s26 | 4 59 | 4 44 | 1 28 | 2 38 | 1 25 | 23 2 | 0 19 | 23 3 | 0 6 | 3 30 | 2 10 | 21 46 | 0 24 | 8 54 | 0 25 | 15 18 | 7 44 | 22 55 | 22 54 | 11 1 | 4 45 | 5 45 |
| T 6 | 5 36 | 6 1 | 4 50 | 3 54 | 1 21 | 2 8 | 1 24 | 22 59 | 0 20 | 23 4 | 0 6 | 3 33 | 2 10 | 21 45 | 0 24 | 8 53 | 0 25 | 15 18 | 7 44 | 22 53 | 22 54 | 11 3 | 4 44 | 5 45 |
| W 7 | 5 13 | 10 21 | 4 28 | 3 3 | 1 14 | 1 37 | 1 24 | 22 56 | 0 21 | 23 4 | 0 5 | 3 35 | 2 10 | 21 45 | 0 24 | 8 52 | 0 25 | 15 18 | 7 44 | 22 52 | 22 54 | 11 5 | 4 42 | 5 45 |
| T 8 | 4 49 | 14 16 | 3 55 | 2 12 | 1 6 | 1 7 | 1 23 | 22 52 | 0 22 | 23 4 | 0 5 | 3 38 | 2 10 | 21 45 | 0 24 | 8 52 | 0 25 | 15 17 | 7 44 | 22 52 | 22 54 | 11 7 | 4 41 | 5 45 |
| F 9 | 4 26 | 17 38 | 3 11 | 1 20 | 0 57 | 0 36 | 1 22 | 22 49 | 0 23 | 23 4 | 0 5 | 3 41 | 2 10 | 21 44 | 0 24 | 8 51 | 0 25 | 15 17 | 7 44 | 22 51 | 22 53 | 11 9 | 4 39 | 5 45 |
| S 10 | 4 2 | 20 16 | 2 19 | 0 27 | 0 48 | 0 6 | 1 21 | 22 45 | 0 24 | 23 4 | 0 5 | 3 43 | 2 10 | 21 44 | 0 24 | 8 50 | 0 25 | 15 17 | 7 44 | 22 51 | 22 53 | 11 11 | 4 38 | 5 45 |
| S 11 | 3 39 | 22 2 | 1 20 | 0n25 | 0 38 | 0n25 | 1 20 | 22 41 | 0 25 | 23 4 | 0 5 | 3 46 | 2 10 | 21 44 | 0 24 | 8 49 | 0 25 | 15 17 | 7 44 | 22 50 | 22 53 | 11 14 | 4 36 | 5 45 |
| M12 | 3 15 | 22 49 | 0 17 | 1 18 | 0 28 | 0 55 | 1 19 | 22 37 | 0 26 | 23 4 | 0 5 | 3 49 | 2 10 | 21 43 | 0 24 | 8 48 | 0 25 | 15 17 | 7 45 | 22 50 | 22 53 | 11 16 | 4 34 | 5 45 |
| T 13 | 2 51 | 22 29 | 0n49 | 2 10 | 0 17 | 1 26 | 1 18 | 22 33 | 0 27 | 23 4 | 0 5 | 3 52 | 2 9 | 21 43 | 0 24 | 8 47 | 0 25 | 15 16 | 7 45 | 22 50 | 22 52 | 11 18 | 4 33 | 5 45 |
| W14 | 2 28 | 20 59 | 1 54 | 3 3 | 0 5 | 1 56 | 1 17 | 22 29 | 0 28 | 23 4 | 0 4 | 3 54 | 2 9 | 21 42 | 0 24 | 8 47 | 0 25 | 15 16 | 7 45 | 22 50 | 22 52 | 11 20 | 4 31 | 5 45 |
| T 15 | 2 4 | 18 18 | 2 55 | 3 54 | 0n 7 | 2 26 | 1 16 | 22 24 | 0 29 | 23 4 | 0 4 | 3 57 | 2 9 | 21 42 | 0 24 | 8 46 | 0 25 | 15 16 | 7 45 | 22 50 | 22 52 | 11 22 | 4 30 | 5 46 |
| F 16 | 1 40 | 14 32 | 3 48 | 4 45 | 0 19 | 2 57 | 1 14 | 22 19 | 0 30 | 23 4 | 0 4 | 4 0 | 2 9 | 21 42 | 0 24 | 8 45 | 0 25 | 15 16 | 7 45 | 22 50 | 22 52 | 11 24 | 4 28 | 5 46 |
| S 17 | 1 16 | 9 50 | 4 30 | 5 34 | 0 32 | 3 27 | 1 13 | 22 14 | 0 31 | 23 4 | 0 4 | 4 3 | 2 9 | 21 41 | 0 24 | 8 44 | 0 25 | 15 16 | 7 45 | 22 49 | 22 51 | 11 27 | 4 27 | 5 46 |
| S 18 | 0 53 | 4 25 | 4 55 | 6 23 | 0 45 | 3 57 | 1 11 | 22 9 | 0 32 | 23 4 | 0 4 | 4 6 | 2 9 | 21 41 | 0 24 | 8 43 | 0 25 | 15 15 | 7 45 | 22 48 | 22 51 | 11 29 | 4 25 | 5 46 |
| M19 | 0 29 | 1n22 | 5 0 | 7 9 | 0 59 | 4 28 | 1 10 | 22 4 | 0 33 | 23 4 | 0 4 | 4 8 | 2 9 | 21 41 | 0 24 | 8 43 | 0 25 | 15 15 | 7 46 | 22 47 | 22 51 | 11 31 | 4 23 | 5 46 |
| T 20 | 0 5 | 7 8 | 4 44 | 7 54 | 1 13 | 4 58 | 1 8 | 21 58 | 0 34 | 23 4 | 0 4 | 4 11 | 2 9 | 21 41 | 0 24 | 8 42 | 0 25 | 15 15 | 7 46 | 22 46 | 22 50 | 11 33 | 4 22 | 5 46 |
| W21 | 0n19 | 12 28 | 4 9 | 8 36 | 1 26 | 5 28 | 1 7 | 21 53 | 0 35 | 23 4 | 0 4 | 4 14 | 2 9 | 21 40 | 0 24 | 8 41 | 0 25 | 15 15 | 7 46 | 22 45 | 22 50 | 11 35 | 4 20 | 5 46 |
| T 22 | 0 43 | 16 58 | 3 16 | 9 16 | 1 40 | 5 58 | 1 5 | 21 47 | 0 36 | 23 4 | 0 3 | 4 17 | 2 9 | 21 40 | 0 24 | 8 40 | 0 25 | 15 15 | 7 46 | 22 44 | 22 50 | 11 37 | 4 19 | 5 46 |
| F 23 | 1 6 | 20 18 | 2 10 | 9 53 | 1 53 | 6 27 | 1 3 | 21 41 | 0 37 | 23 4 | 0 3 | 4 20 | 2 9 | 21 40 | 0 24 | 8 39 | 0 25 | 15 14 | 7 46 | 22 44 | 22 50 | 11 39 | 4 17 | 5 46 |
| S 24 | 1 30 | 22 14 | 0 58 | 10 27 | 2 6 | 6 57 | 1 2 | 21 35 | 0 38 | 23 4 | 0 3 | 4 23 | 2 9 | 21 39 | 0 24 | 8 39 | 0 25 | 15 14 | 7 46 | 22 44 | 22 49 | 11 42 | 4 16 | 5 46 |
| S 25 | 1 54 | 22 43 | 0s15 | 10 57 | 2 19 | 7 26 | 1 0 | 21 29 | 0 39 | 23 3 | 0 3 | 4 25 | 2 9 | 21 39 | 0 24 | 8 38 | 0 25 | 15 14 | 7 47 | 22 44 | 22 49 | 11 44 | 4 14 | 5 47 |
| M26 | 2 18 | 21 50 | 1 26 | 11 24 | 2 31 | 7 56 | 0 58 | 21 22 | 0 40 | 23 3 | 0 3 | 4 28 | 2 9 | 21 39 | 0 24 | 8 37 | 0 25 | 15 14 | 7 47 | 22 44 | 22 49 | 11 46 | 4 13 | 5 47 |
| T 27 | 2 41 | 19 46 | 2 30 | 11 47 | 2 42 | 8 25 | 0 56 | 21 15 | 0 41 | 23 3 | 0 3 | 4 31 | 2 9 | 21 39 | 0 24 | 8 36 | 0 26 | 15 14 | 7 47 | 22 44 | 22 49 | 11 48 | 4 11 | 5 47 |
| W28 | 3 5 | 16 45 | 3 24 | 12 6 | 2 52 | 8 54 | 0 54 | 21 9 | 0 42 | 23 3 | 0 3 | 4 34 | 2 9 | 21 38 | 0 24 | 8 36 | 0 26 | 15 13 | 7 47 | 22 44 | 22 48 | 11 50 | 4 10 | 5 47 |
| T 29 | 3 28 | 13 2 | 4 8 | 12 20 | 3 1 | 9 22 | 0 52 | 21 2 | 0 44 | 23 3 | 0 3 | 4 37 | 2 9 | 21 38 | 0 24 | 8 35 | 0 26 | 15 13 | 7 47 | 22 43 | 22 48 | 11 52 | 4 8 | 5 47 |
| F 30 | 3 52 | 8 50 | 4 39 | 12 31 | 3 9 | 9 51 | 0 50 | 20 55 | 0 45 | 23 3 | 0 2 | 4 39 | 2 9 | 21 38 | 0 24 | 8 34 | 0 26 | 15 13 | 7 47 | 22 42 | 22 48 | 11 54 | 4 7 | 5 47 |
| S 31 | 4n15 | 4n20 | 4s57 | 12n37 | 3n16 | 10n19 | 0s48 | 20s47 | 0s46 | 23n 2 | 0s 2 | 4n42 | 2s 9 | 21s38 | 0s24 | 8s33 | 0s26 | 15s13 | 7n47 | 22s42 | 22s48 | 11s56 | 4s 5 | 5n47 |

Julian Day Number = 2816116.5, Delta T = 54m40s
Ecliptic obliquity = 23°18'35, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°42'49, Lahiri = 37°49'49


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# ASTRODIENST EPHEMERIS for the year 2998
# geocentric

## APRIL 2998 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 40 5 | 11♈47'07 | 18♍55 | 24°R43 | 0♉15 | 0♒40 | 7♋57 | 17♈15 | 23♏49 | 9♓ 0 | 9♏17 | 16°R57 | 18♐11 | 20♎26 | 5♓28 | S 1 |
| M 2 | 12 44 2 | 12°46'51 | 0♎53 | 24♈26 | 1°30 | 1°20 | 8° 2 | 17°22 | 23°50 | 9° 2 | 9°17 | 16♐44 | 18° 8 | 20°32 | 5°32 | M 2 |
| T 3 | 12 47 58 | 13°46'33 | 12°47 | 24° 2 | 2°44 | 2° 0 | 8° 8 | 17°30 | 23°52 | 9° 4 | 9°17 | 16°32 | 18° 4 | 20°39 | 5°36 | T 3 |
| W 4 | 12 51 55 | 14°46'13 | 24°39 | 23°31 | 3°58 | 2°40 | 8°14 | 17°37 | 23°53 | 9° 6 | 9°18 | 16°21 | 18° 1 | 20°46 | 5°39 | W 4 |
| T 5 | 12 55 51 | 15°45'51 | 6♏29 | 22°54 | 5°12 | 3°20 | 8°21 | 17°45 | 23°54 | 9° 8 | 9°18 | 16°12 | 17°58 | 20°53 | 5°43 | T 5 |
| F 6 | 12 59 48 | 16°45'27 | 18°21 | 22°11 | 6°26 | 4° 0 | 8°27 | 17°52 | 23°55 | 9°10 | 9°18 | 16° 5 | 17°55 | 20°59 | 5°47 | F 6 |
| S 7 | 13 3 45 | 17°45'01 | 0♐15 | 21°25 | 7°41 | 4°40 | 8°34 | 17°59 | 23°56 | 9°12 | 9°18 | 16° 2 | 17°52 | 21° 6 | 5°50 | S 7 |
| S 8 | 13 7 41 | 18°44'34 | 12°16 | 20°35 | 8°55 | 5°20 | 8°40 | 18° 7 | 23°57 | 9°14 | 9°18 | 16°D 0 | 17°49 | 21°13 | 5°54 | S 8 |
| M 9 | 13 11 38 | 19°44'05 | 24°28 | 19°43 | 10° 9 | 6° 0 | 8°47 | 18°14 | 23°58 | 9°16 | 9°18 | 16° 0 | 17°45 | 21°19 | 5°57 | M 9 |
| T 10 | 13 15 34 | 20°43'34 | 6♑54 | 18°50 | 11°23 | 6°40 | 8°54 | 18°22 | 23°59 | 9°18 | 9°18 | 16° 1 | 17°42 | 21°26 | 6° 1 | T 10 |
| W11 | 13 19 31 | 21°43'02 | 19°39 | 17°57 | 12°37 | 7°20 | 9° 1 | 18°29 | 24° 0 | 9°19 | 9°R18 | 16°R 2 | 17°39 | 21°33 | 6° 4 | W11 |
| T 12 | 13 23 27 | 22°42'28 | 2♒48 | 17° 6 | 13°51 | 8° 0 | 9° 8 | 18°37 | 24° 1 | 9°21 | 9°18 | 16° 2 | 17°36 | 21°39 | 6° 7 | T 12 |
| F 13 | 13 27 24 | 23°41'52 | 16°24 | 16°17 | 15° 5 | 8°40 | 9°16 | 18°44 | 24° 2 | 9°23 | 9°18 | 15°59 | 17°33 | 21°46 | 6°11 | F 13 |
| S 14 | 13 31 20 | 24°41'14 | 0♓29 | 15°30 | 16°18 | 9°20 | 9°23 | 18°52 | 24° 3 | 9°25 | 9°18 | 15°55 | 17°29 | 21°53 | 6°14 | S 14 |
| S 15 | 13 35 17 | 25°40'35 | 15° 2 | 14°48 | 17°32 | 10° 0 | 9°31 | 18°59 | 24° 3 | 9°26 | 9°18 | 15°49 | 17°26 | 22° 0 | 6°17 | S 15 |
| M16 | 13 39 14 | 26°39'54 | 29°58 | 14°10 | 18°46 | 10°40 | 9°39 | 19° 6 | 24° 4 | 9°28 | 9°18 | 15°41 | 17°23 | 22° 6 | 6°20 | M16 |
| T 17 | 13 43 10 | 27°39'11 | 15♈10 | 13°36 | 20° 0 | 11°20 | 9°47 | 19°14 | 24° 5 | 9°30 | 9°18 | 15°34 | 17°20 | 22°13 | 6°24 | T 17 |
| W18 | 13 47 7 | 28°38'26 | 0♉28 | 13° 8 | 21°14 | 12° 0 | 9°55 | 19°21 | 24° 5 | 9°31 | 9°17 | 15°27 | 17°17 | 22°20 | 6°27 | W18 |
| T 19 | 13 51 3 | 29°37'39 | 15°40 | 12°45 | 22°27 | 12°40 | 10° 3 | 19°29 | 24° 6 | 9°33 | 9°17 | 15°22 | 17°14 | 22°26 | 6°30 | T 19 |
| F 20 | 13 55 0 | 0♉36'51 | 0♊37 | 12°28 | 23°41 | 13°20 | 10°12 | 19°36 | 24° 6 | 9°35 | 9°17 | 15°19 | 17°10 | 22°33 | 6°33 | F 20 |
| S 21 | 13 58 56 | 1°36'00 | 15°11 | 12°16 | 24°55 | 14° 0 | 10°20 | 19°43 | 24° 6 | 9°36 | 9°17 | 15°D18 | 17° 7 | 22°40 | 6°36 | S 21 |
| S 22 | 14 2 53 | 2°35'07 | 29°19 | 12°10 | 26° 8 | 14°40 | 10°29 | 19°51 | 24° 7 | 9°38 | 9°16 | 15°19 | 17° 4 | 22°46 | 6°39 | S 22 |
| M23 | 14 6 49 | 3°34'11 | 12♋59 | 12°D10 | 27°22 | 15°20 | 10°38 | 19°58 | 24° 7 | 9°39 | 9°16 | 15°20 | 17° 1 | 22°53 | 6°42 | M23 |
| T 24 | 14 10 46 | 4°33'14 | 26°13 | 12°14 | 28°35 | 16° 0 | 10°47 | 20° 5 | 24° 7 | 9°41 | 9°15 | 15°21 | 16°58 | 23° 0 | 6°44 | T 24 |
| W25 | 14 14 43 | 5°32'14 | 9♌ 4 | 12°24 | 29°49 | 16°40 | 10°56 | 20°13 | 24° 7 | 9°42 | 9°15 | 15°R22 | 16°55 | 23° 7 | 6°47 | W25 |
| T 26 | 14 18 39 | 6°31'11 | 21°36 | 12°39 | 1♊ 2 | 17°19 | 11° 5 | 20°20 | 24° 7 | 9°44 | 9°15 | 15°20 | 16°51 | 23°13 | 6°50 | T 26 |
| F 27 | 14 22 36 | 7°30'07 | 3♍52 | 12°59 | 2°15 | 17°59 | 11°14 | 20°27 | 24° 8 | 9°45 | 9°14 | 15°17 | 16°48 | 23°20 | 6°53 | F 27 |
| S 28 | 14 26 32 | 8°29'00 | 15°57 | 13°24 | 3°29 | 18°39 | 11°23 | 20°34 | 24°R 8 | 9°47 | 9°13 | 15°13 | 16°45 | 23°27 | 6°55 | S 28 |
| S 29 | 14 30 29 | 9°27'51 | 27°54 | 13°53 | 4°42 | 19°19 | 11°33 | 20°42 | 24° 8 | 9°48 | 9°13 | 15° 7 | 16°42 | 23°33 | 6°58 | S 29 |
| M30 | 14 34 25 | 10♉26'40 | 9♎47 | 14♈26 | 5♊55 | 19♒58 | 11♋42 | 20♈49 | 24♏ 7 | 9♓49 | 9♏12 | 15♐ 1 | 16♐39 | 23♎40 | 7♓ 0 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4n38 | 0s17 | 5s 2 | 12n38 | 3n21 | 10n47 | 0s46 | 20s40 | 0s47 | 23n 2 | 0s 2 | 4n45 | 2s 9 | 21s37 | 0s24 | 8s33 | 0s26 | 15s13 | 7n48 | 22s40 | 22s47 | 11s58 | 4s 4 | 5n47 |
| M 2 | 5 1 | 4 50 | 4 53 | 12 35 | 3 24 | 11 15 | 0 44 | 20 32 | 0 48 | 23 2 | 0 2 | 4 48 | 2 9 | 21 37 | 0 24 | 8 32 | 0 26 | 15 12 | 7 48 | 22 39 | 22 47 | 12 1 | 4 2 | 5 48 |
| T 3 | 5 24 | 9 12 | 4 32 | 12 28 | 3 26 | 11 42 | 0 41 | 20 25 | 0 49 | 23 2 | 0 2 | 4 51 | 2 9 | 21 37 | 0 24 | 8 31 | 0 26 | 15 12 | 7 48 | 22 38 | 22 47 | 12 3 | 4 1 | 5 48 |
| W 4 | 5 47 | 13 12 | 3 58 | 12 16 | 3 26 | 12 10 | 0 39 | 20 17 | 0 50 | 23 1 | 0 2 | 4 54 | 2 9 | 21 37 | 0 25 | 8 31 | 0 26 | 15 12 | 7 48 | 22 37 | 22 46 | 12 5 | 3 59 | 5 48 |
| T 5 | 6 10 | 16 40 | 3 15 | 12 1 | 3 24 | 12 36 | 0 37 | 20 9 | 0 52 | 23 1 | 0 2 | 4 56 | 2 9 | 21 37 | 0 25 | 8 30 | 0 26 | 15 12 | 7 48 | 22 36 | 22 46 | 12 7 | 3 58 | 5 48 |
| F 6 | 6 33 | 19 28 | 2 22 | 11 41 | 3 20 | 13 3 | 0 34 | 20 0 | 0 53 | 23 1 | 0 2 | 4 59 | 2 9 | 21 37 | 0 25 | 8 29 | 0 26 | 15 12 | 7 48 | 22 35 | 22 46 | 12 9 | 3 56 | 5 48 |
| S 7 | 6 56 | 21 27 | 1 23 | 11 19 | 3 15 | 13 29 | 0 32 | 19 52 | 0 54 | 23 1 | 0 1 | 5 2 | 2 9 | 21 36 | 0 25 | 8 28 | 0 26 | 15 12 | 7 49 | 22 35 | 22 46 | 12 11 | 3 55 | 5 49 |
| S 8 | 7 18 | 22 28 | 0 20 | 10 53 | 3 7 | 13 55 | 0 30 | 19 44 | 0 55 | 23 0 | 0 1 | 5 5 | 2 9 | 21 36 | 0 25 | 8 28 | 0 26 | 15 11 | 7 49 | 22 35 | 22 45 | 12 13 | 3 53 | 5 49 |
| M 9 | 7 41 | 22 26 | 0n45 | 10 25 | 2 58 | 14 21 | 0 27 | 19 35 | 0 56 | 23 0 | 0 1 | 5 8 | 2 9 | 21 36 | 0 25 | 8 27 | 0 26 | 15 11 | 7 49 | 22 35 | 22 45 | 12 15 | 3 52 | 5 49 |
| T 10 | 8 3 | 21 18 | 1 50 | 9 55 | 2 48 | 14 46 | 0 25 | 19 26 | 0 58 | 23 0 | 0 1 | 5 10 | 2 9 | 21 36 | 0 25 | 8 26 | 0 26 | 15 11 | 7 49 | 22 35 | 22 45 | 12 17 | 3 50 | 5 49 |
| W11 | 8 25 | 19 4 | 2 51 | 9 24 | 2 36 | 15 11 | 0 22 | 19 17 | 0 59 | 22 59 | 0 1 | 5 13 | 2 9 | 21 36 | 0 25 | 8 26 | 0 26 | 15 11 | 7 49 | 22 35 | 22 44 | 12 19 | 3 49 | 5 49 |
| T 12 | 8 47 | 15 47 | 3 44 | 8 52 | 2 22 | 15 36 | 0 20 | 19 8 | 1 0 | 22 59 | 0 1 | 5 16 | 2 9 | 21 36 | 0 25 | 8 25 | 0 26 | 15 11 | 7 49 | 22 35 | 22 44 | 12 21 | 3 48 | 5 49 |
| F 13 | 9 9 | 11 34 | 4 27 | 8 20 | 2 8 | 16 0 | 0 17 | 18 59 | 1 1 | 22 58 | 0 1 | 5 19 | 2 9 | 21 36 | 0 25 | 8 24 | 0 26 | 15 11 | 7 50 | 22 35 | 22 44 | 12 23 | 3 46 | 5 50 |
| S 14 | 9 31 | 6 37 | 4 56 | 7 49 | 1 53 | 16 24 | 0 15 | 18 50 | 1 3 | 22 58 | 0 1 | 5 21 | 2 9 | 21 35 | 0 25 | 8 24 | 0 26 | 15 11 | 7 50 | 22 34 | 22 43 | 12 25 | 3 45 | 5 50 |
| S 15 | 9 52 | 1 8 | 5 7 | 7 18 | 1 37 | 16 47 | 0 12 | 18 40 | 1 4 | 22 58 | 0 1 | 5 24 | 2 9 | 21 35 | 0 25 | 8 23 | 0 26 | 15 10 | 7 50 | 22 34 | 22 43 | 12 27 | 3 43 | 5 50 |
| M16 | 10 14 | 4n33 | 4 58 | 6 48 | 1 21 | 17 10 | 0 9 | 18 31 | 1 5 | 22 57 | 0 0 | 5 27 | 2 9 | 21 35 | 0 25 | 8 23 | 0 26 | 15 10 | 7 50 | 22 33 | 22 43 | 12 29 | 3 42 | 5 50 |
| T 17 | 10 35 | 10 3 | 4 28 | 6 21 | 1 5 | 17 32 | 0 7 | 18 21 | 1 7 | 22 57 | 0 0 | 5 30 | 2 9 | 21 35 | 0 25 | 8 22 | 0 26 | 15 10 | 7 50 | 22 32 | 22 43 | 12 31 | 3 41 | 5 51 |
| W18 | 10 56 | 14 59 | 3 38 | 5 55 | 0 49 | 17 54 | 0 4 | 18 11 | 1 8 | 22 56 | 0 0 | 5 32 | 2 9 | 21 35 | 0 25 | 8 21 | 0 26 | 15 10 | 7 50 | 22 31 | 22 42 | 12 34 | 3 39 | 5 51 |
| T 19 | 11 17 | 18 53 | 2 33 | 5 31 | 0 33 | 18 16 | 0 1 | 18 1 | 1 9 | 22 56 | 0 0 | 5 35 | 2 9 | 21 35 | 0 25 | 8 21 | 0 26 | 15 10 | 7 50 | 22 31 | 22 42 | 12 36 | 3 38 | 5 51 |
| F 20 | 11 38 | 21 27 | 1 19 | 5 10 | 0 17 | 18 37 | 0n 2 | 17 51 | 1 11 | 22 55 | 0 0 | 5 38 | 2 9 | 21 35 | 0 25 | 8 20 | 0 26 | 15 10 | 7 51 | 22 30 | 22 42 | 12 38 | 3 37 | 5 51 |
| S 21 | 11 58 | 22 30 | 0 1 | 4 51 | 0 1 | 18 58 | 0 4 | 17 41 | 1 12 | 22 55 | 0n 0 | 5 40 | 2 9 | 21 35 | 0 25 | 8 20 | 0 26 | 15 10 | 7 51 | 22 30 | 22 41 | 12 40 | 3 35 | 5 52 |
| S 22 | 12 18 | 22 3 | 1s15 | 4 35 | 0s14 | 19 18 | 0 7 | 17 31 | 1 13 | 22 54 | 0 0 | 5 43 | 2 9 | 21 35 | 0 25 | 8 19 | 0 26 | 15 9 | 7 51 | 22 30 | 22 41 | 12 42 | 3 34 | 5 52 |
| M23 | 12 38 | 20 17 | 2 24 | 4 21 | 0 28 | 19 37 | 0 10 | 17 20 | 1 15 | 22 53 | 0 0 | 5 46 | 2 9 | 21 35 | 0 25 | 8 19 | 0 26 | 15 9 | 7 51 | 22 30 | 22 41 | 12 44 | 3 33 | 5 52 |
| T 24 | 12 58 | 17 27 | 3 24 | 4 10 | 0 42 | 19 56 | 0 12 | 17 10 | 1 16 | 22 53 | 0 0 | 5 49 | 2 10 | 21 35 | 0 25 | 8 18 | 0 26 | 15 9 | 7 51 | 22 31 | 22 40 | 12 46 | 3 32 | 5 52 |
| W25 | 13 18 | 13 51 | 4 11 | 4 1 | 0 56 | 20 15 | 0 15 | 16 59 | 1 17 | 22 52 | 0 0 | 5 51 | 2 10 | 21 35 | 0 25 | 8 17 | 0 26 | 15 9 | 7 51 | 22 31 | 22 40 | 12 48 | 3 30 | 5 53 |
| T 26 | 13 37 | 9 44 | 4 45 | 3 56 | 1 8 | 20 33 | 0 18 | 16 49 | 1 19 | 22 52 | 0 1 | 5 54 | 2 10 | 21 35 | 0 25 | 8 17 | 0 26 | 15 9 | 7 51 | 22 30 | 22 40 | 12 50 | 3 29 | 5 53 |
| F 27 | 13 56 | 5 18 | 5 4 | 3 52 | 1 20 | 20 50 | 0 21 | 16 38 | 1 20 | 22 51 | 0 1 | 5 56 | 2 10 | 21 35 | 0 25 | 8 16 | 0 26 | 15 9 | 7 52 | 22 30 | 22 40 | 12 52 | 3 28 | 5 53 |
| S 28 | 14 15 | 0 44 | 5 11 | 3 51 | 1 32 | 21 7 | 0 24 | 16 27 | 1 22 | 22 50 | 0 1 | 5 59 | 2 10 | 21 35 | 0 25 | 8 16 | 0 26 | 15 9 | 7 52 | 22 30 | 22 39 | 12 54 | 3 27 | 5 53 |
| S 29 | 14 34 | 3s49 | 5 3 | 3 52 | 1 42 | 21 24 | 0 26 | 16 16 | 1 23 | 22 50 | 0 1 | 6 2 | 2 10 | 21 35 | 0 25 | 8 15 | 0 26 | 15 9 | 7 52 | 22 29 | 22 39 | 12 56 | 3 25 | 5 54 |
| M30 | 14n52 | 8s11 | 4s42 | 3n56 | 1s52 | 21n39 | 0n29 | 16s 5 | 1s24 | 22n49 | 0n 1 | 6n 4 | 2s10 | 21s35 | 0s25 | 8s15 | 0s26 | 15s 9 | 7n52 | 22s28 | 22s39 | 12s58 | 3s24 | 5n54 |

Julian Day Number = 2816147.5, Delta T = 54m40s
Ecliptic obliquity = 23°18'35, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°42'53, Lahiri = 37°49'53


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# ASTRODIENST EPHEMERIS for the year 2998
# geocentric

## MAY 2998 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 38 22 | 11♉25'27 | 21♎38 | 15♈ 3 | 7♊ 8 | 20♒38 | 11♋52 | 20♈56 | 24°R 7 | 9♓51 | 9°R12 | 14°R54 | 16♐35 | 23♎47 | 7♓ 3 | T 1 |
| W 2 | 14 42 18 | 12°24'12 | 3♏29 | 15°44 | 8°22 | 21°18 | 12° 2 | 21° 3 | 24♉ 7 | 9°52 | 9♉11 | 14♐49 | 16°32 | 23°53 | 7° 5 | W 2 |
| T 3 | 14 46 15 | 13°22'55 | 15°22 | 16°28 | 9°35 | 21°58 | 12°12 | 21°10 | 24° 7 | 9°53 | 9°10 | 14°44 | 16°29 | 24° 0 | 7° 8 | T 3 |
| F 4 | 14 50 11 | 14°21'37 | 27°19 | 17°17 | 10°48 | 22°37 | 12°22 | 21°17 | 24° 7 | 9°55 | 9°10 | 14°42 | 16°26 | 24° 7 | 7°10 | F 4 |
| S 5 | 14 54 8 | 15°20'16 | 9♐21 | 18° 8 | 12° 1 | 23°17 | 12°32 | 21°24 | 24° 6 | 9°56 | 9° 9 | 14°D40 | 16°23 | 24°13 | 7°12 | S 5 |
| S 6 | 14 58 5 | 16°18'54 | 21°32 | 19° 3 | 13°14 | 23°56 | 12°42 | 21°31 | 24° 6 | 9°57 | 9° 8 | 14°40 | 16°20 | 24°20 | 7°14 | S 6 |
| M 7 | 15 2 1 | 17°17'30 | 3♑52 | 20° 0 | 14°27 | 24°36 | 12°52 | 21°38 | 24° 5 | 9°58 | 9° 7 | 14°41 | 16°16 | 24°27 | 7°17 | M 7 |
| T 8 | 15 5 58 | 18°16'04 | 16°26 | 21° 1 | 15°39 | 25°16 | 13° 3 | 21°45 | 24° 5 | 9°59 | 9° 7 | 14°43 | 16°13 | 24°34 | 7°19 | T 8 |
| W 9 | 15 9 54 | 19°14'36 | 29°17 | 22° 4 | 16°52 | 25°55 | 13°13 | 21°52 | 24° 4 | 10° 0 | 9° 6 | 14°45 | 16°10 | 24°40 | 7°21 | W 9 |
| T 10 | 15 13 51 | 20°13'07 | 12♒27 | 23°10 | 18° 5 | 26°35 | 13°24 | 21°59 | 24° 4 | 10° 1 | 9° 5 | 14°46 | 16° 7 | 24°47 | 7°23 | T 10 |
| F 11 | 15 17 47 | 21°11'37 | 25°58 | 24°19 | 19°18 | 27°14 | 13°34 | 22° 6 | 24° 3 | 10° 2 | 9° 4 | 14°R46 | 16° 4 | 24°54 | 7°25 | F 11 |
| S 12 | 15 21 44 | 22°10'05 | 9♓53 | 25°30 | 20°30 | 27°53 | 13°45 | 22°13 | 24° 2 | 10° 3 | 9° 3 | 14°45 | 16° 1 | 25° 0 | 7°26 | S 12 |
| S 13 | 15 25 40 | 23° 8'31 | 24°11 | 26°43 | 21°43 | 28°33 | 13°56 | 22°19 | 24° 2 | 10° 4 | 9° 2 | 14°43 | 15°57 | 25° 7 | 7°28 | S 13 |
| M14 | 15 29 37 | 24° 6'56 | 8♈50 | 27°59 | 22°56 | 29°12 | 14° 7 | 22°26 | 24° 1 | 10° 5 | 9° 1 | 14°40 | 15°54 | 25°14 | 7°30 | M14 |
| T 15 | 15 33 34 | 25° 5'19 | 23°45 | 29°17 | 24° 8 | 29°51 | 14°18 | 22°33 | 24° 0 | 10° 6 | 9° 0 | 14°38 | 15°51 | 25°20 | 7°32 | T 15 |
| W16 | 15 37 30 | 26° 3'41 | 8♉48 | 0♉37 | 25°21 | 0♓31 | 14°29 | 22°40 | 23°59 | 10° 7 | 8°59 | 14°36 | 15°48 | 25°27 | 7°33 | W16 |
| T 17 | 15 41 27 | 27° 2'01 | 23°50 | 2° 0 | 26°33 | 1°10 | 14°40 | 22°46 | 23°58 | 10° 8 | 8°58 | 14°34 | 15°45 | 25°34 | 7°35 | T 17 |
| F 18 | 15 45 23 | 28° 0'20 | 8♊43 | 3°24 | 27°45 | 1°49 | 14°52 | 22°53 | 23°57 | 10° 9 | 8°57 | 14°D33 | 15°41 | 25°40 | 7°36 | F 18 |
| S 19 | 15 49 20 | 28°58'36 | 23°19 | 4°51 | 28°58 | 2°28 | 15° 3 | 22°59 | 23°56 | 10°10 | 8°56 | 14°33 | 15°38 | 25°47 | 7°38 | S 19 |
| S 20 | 15 53 16 | 29°56'51 | 7♋33 | 6°20 | 0♋10 | 3° 7 | 15°14 | 23° 6 | 23°55 | 10°10 | 8°55 | 14°34 | 15°35 | 25°54 | 7°39 | S 20 |
| M21 | 15 57 13 | 0♊55'04 | 21°20 | 7°50 | 1°22 | 3°46 | 15°26 | 23°12 | 23°54 | 10°11 | 8°54 | 14°35 | 15°32 | 26° 1 | 7°41 | M21 |
| T 22 | 16 1 10 | 1°53'15 | 4♌42 | 9°23 | 2°34 | 4°25 | 15°38 | 23°19 | 23°53 | 10°12 | 8°52 | 14°36 | 15°29 | 26° 7 | 7°42 | T 22 |
| W23 | 16 5 6 | 2°51'25 | 17°39 | 10°57 | 3°47 | 5° 4 | 15°49 | 23°25 | 23°52 | 10°12 | 8°51 | 14°37 | 15°26 | 26°14 | 7°43 | W23 |
| T 24 | 16 9 3 | 3°49'32 | 0♍15 | 12°34 | 4°59 | 5°43 | 16° 1 | 23°31 | 23°50 | 10°13 | 8°50 | 14°R37 | 15°22 | 26°21 | 7°44 | T 24 |
| F 25 | 16 12 59 | 4°47'37 | 12°33 | 14°13 | 6°11 | 6°21 | 16°13 | 23°38 | 23°49 | 10°14 | 8°49 | 14°37 | 15°19 | 26°27 | 7°45 | F 25 |
| S 26 | 16 16 56 | 5°45'41 | 24°37 | 15°53 | 7°23 | 7° 0 | 16°25 | 23°44 | 23°48 | 10°14 | 8°48 | 14°37 | 15°16 | 26°34 | 7°46 | S 26 |
| S 27 | 16 20 52 | 6°43'42 | 6♎33 | 17°36 | 8°34 | 7°39 | 16°36 | 23°50 | 23°46 | 10°15 | 8°46 | 14°36 | 15°13 | 26°41 | 7°47 | S 27 |
| M28 | 16 24 49 | 7°41'42 | 18°24 | 19°20 | 9°46 | 8°17 | 16°48 | 23°56 | 23°45 | 10°15 | 8°45 | 14°35 | 15°10 | 26°47 | 7°48 | M28 |
| T 29 | 16 28 45 | 8°39'40 | 0♏14 | 21° 7 | 10°58 | 8°56 | 17° 1 | 24° 2 | 23°44 | 10°16 | 8°44 | 14°34 | 15° 7 | 26°54 | 7°49 | T 29 |
| W30 | 16 32 42 | 9°37'37 | 12° 7 | 22°55 | 12°10 | 9°34 | 17°13 | 24° 8 | 23°42 | 10°16 | 8°42 | 14°33 | 15° 3 | 27° 1 | 7°50 | W30 |
| T 31 | 16 36 39 | 10♊35'32 | 24♏ 5 | 24♉46 | 13♋21 | 10♓13 | 17♋25 | 24♈14 | 23♑41 | 10♓16 | 8♑41 | 14♐33 | 15♐ 0 | 27♎ 7 | 7♓51 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15n11 | 12s15 | 4s10 | 4n 2 | 2s 1 | 21n54 | 0n32 | 15s53 | 1s26 | 22n48 | 0n 1 | 6n 7 | 2s10 | 21s35 | 0s25 | 8s14 | 0s26 | 15s 9 | 7n52 | 22s28 | 22s38 | 13s 0 | 3s23 | 5n54 |
| W 2 | 15 29 | 15 50 | 3 26 | 4 10 | 2 10 | 22 9 | 0 35 | 15 42 | 1 27 | 22 47 | 0 1 | 6 9 | 2 10 | 21 35 | 0 25 | 8 14 | 0 26 | 15 8 | 7 52 | 22 27 | 22 38 | 13 2 | 3 22 | 5 54 |
| T 3 | 15 46 | 18 48 | 2 33 | 4 20 | 2 17 | 22 23 | 0 37 | 15 31 | 1 29 | 22 46 | 0 1 | 6 12 | 2 10 | 21 35 | 0 25 | 8 14 | 0 26 | 15 8 | 7 52 | 22 27 | 22 38 | 13 4 | 3 21 | 5 55 |
| F 4 | 16 4 | 20 58 | 1 34 | 4 31 | 2 24 | 22 36 | 0 40 | 15 19 | 1 30 | 22 46 | 0 1 | 6 15 | 2 10 | 21 35 | 0 25 | 8 13 | 0 26 | 15 8 | 7 52 | 22 26 | 22 37 | 13 6 | 3 20 | 5 55 |
| S 5 | 16 21 | 22 13 | 0 29 | 4 45 | 2 31 | 22 49 | 0 43 | 15 8 | 1 32 | 22 45 | 0 1 | 6 17 | 2 10 | 21 35 | 0 25 | 8 13 | 0 26 | 15 8 | 7 53 | 22 26 | 22 37 | 13 8 | 3 19 | 5 55 |
| S 6 | 16 38 | 22 25 | 0n38 | 5 0 | 2 36 | 23 1 | 0 46 | 14 56 | 1 33 | 22 44 | 0 2 | 6 20 | 2 11 | 21 36 | 0 25 | 8 12 | 0 26 | 15 8 | 7 53 | 22 26 | 22 37 | 13 10 | 3 18 | 5 56 |
| M 7 | 16 54 | 21 32 | 1 44 | 5 17 | 2 41 | 23 12 | 0 48 | 14 44 | 1 35 | 22 43 | 0 2 | 6 22 | 2 11 | 21 36 | 0 26 | 8 12 | 0 26 | 15 8 | 7 53 | 22 26 | 22 36 | 13 11 | 3 17 | 5 56 |
| T 8 | 17 11 | 19 34 | 2 46 | 5 36 | 2 46 | 23 23 | 0 51 | 14 32 | 1 36 | 22 42 | 0 2 | 6 25 | 2 11 | 21 36 | 0 26 | 8 11 | 0 26 | 15 8 | 7 53 | 22 26 | 22 36 | 13 13 | 3 15 | 5 56 |
| W 9 | 17 27 | 16 35 | 3 41 | 5 56 | 2 49 | 23 33 | 0 54 | 14 21 | 1 38 | 22 41 | 0 2 | 6 27 | 2 11 | 21 36 | 0 26 | 8 11 | 0 26 | 15 8 | 7 53 | 22 27 | 22 36 | 13 15 | 3 14 | 5 56 |
| T 10 | 17 42 | 12 43 | 4 26 | 6 17 | 2 52 | 23 43 | 0 56 | 14 9 | 1 39 | 22 40 | 0 2 | 6 29 | 2 11 | 21 36 | 0 26 | 8 11 | 0 26 | 15 8 | 7 53 | 22 27 | 22 35 | 13 17 | 3 13 | 5 57 |
| F 11 | 17 58 | 8 6 | 4 58 | 6 40 | 2 55 | 23 51 | 0 59 | 13 57 | 1 41 | 22 39 | 0 2 | 6 32 | 2 11 | 21 36 | 0 26 | 8 10 | 0 26 | 15 8 | 7 53 | 22 27 | 22 35 | 13 19 | 3 12 | 5 57 |
| S 12 | 18 13 | 2 58 | 5 14 | 7 4 | 2 57 | 23 59 | 1 1 | 13 44 | 1 42 | 22 38 | 0 2 | 6 34 | 2 11 | 21 36 | 0 26 | 8 10 | 0 26 | 15 8 | 7 53 | 22 27 | 22 35 | 13 21 | 3 12 | 5 57 |
| S 13 | 18 27 | 2n28 | 5 11 | 7 29 | 2 58 | 24 7 | 1 4 | 13 32 | 1 44 | 22 37 | 0 2 | 6 37 | 2 11 | 21 36 | 0 26 | 8 10 | 0 26 | 15 8 | 7 53 | 22 26 | 22 34 | 13 23 | 3 11 | 5 58 |
| M14 | 18 42 | 7 53 | 4 48 | 7 55 | 2 58 | 24 14 | 1 6 | 13 20 | 1 45 | 22 36 | 0 2 | 6 39 | 2 11 | 21 37 | 0 26 | 8 9 | 0 26 | 15 8 | 7 53 | 22 26 | 22 34 | 13 25 | 3 10 | 5 58 |
| T 15 | 18 56 | 12 58 | 4 5 | 8 23 | 2 58 | 24 20 | 1 9 | 13 8 | 1 47 | 22 35 | 0 2 | 6 41 | 2 12 | 21 37 | 0 26 | 8 9 | 0 27 | 15 8 | 7 54 | 22 26 | 22 34 | 13 27 | 3 9 | 5 58 |
| W16 | 19 10 | 17 16 | 3 5 | 8 51 | 2 58 | 24 25 | 1 11 | 12 55 | 1 48 | 22 34 | 0 3 | 6 44 | 2 12 | 21 37 | 0 26 | 8 9 | 0 27 | 15 8 | 7 54 | 22 25 | 22 33 | 13 29 | 3 8 | 5 59 |
| T 17 | 19 23 | 20 26 | 1 52 | 9 20 | 2 56 | 24 30 | 1 14 | 12 43 | 1 50 | 22 33 | 0 3 | 6 46 | 2 12 | 21 37 | 0 26 | 8 8 | 0 27 | 15 8 | 7 54 | 22 25 | 22 33 | 13 31 | 3 7 | 5 59 |
| F 18 | 19 36 | 22 10 | 0 32 | 9 51 | 2 55 | 24 34 | 1 16 | 12 31 | 1 52 | 22 32 | 0 3 | 6 48 | 2 12 | 21 37 | 0 26 | 8 8 | 0 27 | 15 8 | 7 54 | 22 25 | 22 33 | 13 33 | 3 6 | 5 59 |
| S 19 | 19 49 | 22 20 | 0s48 | 10 21 | 2 52 | 24 37 | 1 19 | 12 18 | 1 53 | 22 31 | 0 3 | 6 51 | 2 12 | 21 38 | 0 26 | 8 8 | 0 27 | 15 8 | 7 54 | 22 25 | 22 32 | 13 35 | 3 5 | 6 0 |
| S 20 | 20 2 | 21 2 | 2 4 | 10 53 | 2 49 | 24 39 | 1 21 | 12 6 | 1 55 | 22 30 | 0 3 | 6 53 | 2 12 | 21 38 | 0 26 | 8 8 | 0 27 | 15 8 | 7 54 | 22 25 | 22 32 | 13 37 | 3 4 | 6 0 |
| M21 | 20 14 | 18 30 | 3 10 | 11 26 | 2 46 | 24 41 | 1 23 | 11 53 | 1 56 | 22 28 | 0 3 | 6 55 | 2 12 | 21 38 | 0 26 | 8 7 | 0 27 | 15 8 | 7 54 | 22 25 | 22 32 | 13 39 | 3 4 | 6 0 |
| T 22 | 20 26 | 15 3 | 4 3 | 11 59 | 2 42 | 24 42 | 1 25 | 11 40 | 1 58 | 22 27 | 0 3 | 6 57 | 2 13 | 21 38 | 0 26 | 8 7 | 0 27 | 15 8 | 7 54 | 22 26 | 22 31 | 13 40 | 3 3 | 6 1 |
| W23 | 20 37 | 10 58 | 4 43 | 12 32 | 2 37 | 24 43 | 1 27 | 11 28 | 2 0 | 22 26 | 0 3 | 6 59 | 2 13 | 21 38 | 0 26 | 8 7 | 0 27 | 15 8 | 7 54 | 22 26 | 22 31 | 13 42 | 3 2 | 6 1 |
| T 24 | 20 48 | 6 32 | 5 7 | 13 6 | 2 32 | 24 43 | 1 30 | 11 15 | 2 1 | 22 25 | 0 3 | 7 2 | 2 13 | 21 39 | 0 26 | 8 7 | 0 27 | 15 8 | 7 54 | 22 26 | 22 31 | 13 44 | 3 1 | 6 1 |
| F 25 | 20 59 | 1 56 | 5 17 | 13 41 | 2 27 | 24 42 | 1 32 | 11 2 | 2 3 | 22 23 | 0 3 | 7 4 | 2 13 | 21 39 | 0 26 | 8 6 | 0 27 | 15 8 | 7 54 | 22 26 | 22 30 | 13 46 | 3 1 | 6 2 |
| S 26 | 21 9 | 2s39 | 5 12 | 14 15 | 2 21 | 24 40 | 1 34 | 10 49 | 2 5 | 22 22 | 0 3 | 7 6 | 2 13 | 21 39 | 0 26 | 8 6 | 0 27 | 15 8 | 7 54 | 22 26 | 22 30 | 13 48 | 3 0 | 6 2 |
| S 27 | 21 19 | 7 5 | 4 54 | 14 50 | 2 14 | 24 37 | 1 36 | 10 37 | 2 6 | 22 21 | 0 4 | 7 8 | 2 13 | 21 39 | 0 26 | 8 6 | 0 27 | 15 8 | 7 54 | 22 26 | 22 30 | 13 50 | 2 59 | 6 2 |
| M28 | 21 28 | 11 14 | 4 24 | 15 25 | 2 7 | 24 34 | 1 38 | 10 24 | 2 8 | 22 19 | 0 4 | 7 10 | 2 13 | 21 40 | 0 26 | 8 6 | 0 27 | 15 8 | 7 54 | 22 25 | 22 29 | 13 52 | 2 59 | 6 3 |
| T 29 | 21 38 | 14 57 | 3 42 | 16 1 | 2 0 | 24 31 | 1 39 | 10 11 | 2 10 | 22 18 | 0 4 | 7 12 | 2 14 | 21 40 | 0 26 | 8 6 | 0 27 | 15 8 | 7 54 | 22 25 | 22 29 | 13 54 | 2 58 | 6 3 |
| W30 | 21 46 | 18 6 | 2 50 | 16 36 | 1 52 | 24 26 | 1 41 | 9 58 | 2 11 | 22 16 | 0 4 | 7 14 | 2 14 | 21 40 | 0 26 | 8 6 | 0 27 | 15 8 | 7 54 | 22 25 | 22 29 | 13 56 | 2 58 | 6 3 |
| T 31 | 21n55 | 20s29 | 1s51 | 17n11 | 1s44 | 24n21 | 1n43 | 9s45 | 2s13 | 22n15 | 0n 4 | 7n16 | 2s14 | 21s41 | 0s26 | 8s 5 | 0s27 | 15s 8 | 7n54 | 22s25 | 22s28 | 13s57 | 2s57 | 6n 4 |

Julian Day Number = 2816177.5, Delta T = 54m41s
Ecliptic obliquity = 23°18'34, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°42'57, Lahiri = 37°49'57


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# ASTRODIENST EPHEMERIS for the year 2998
# geocentric

## JUNE 2998 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 40 35 | 11♊33'25 | 6♐10 | 26♉38 | 14♋33 | 10♓51 | 17♋37 | 24♈20 | 23°R39 | 10♓17 | 8°R40 | 14°R33 | 14♐57 | 27♎14 | 7♓51 | F 1 |
| S 2 | 16 44 32 | 12°31'17 | 18°24 | 28°33 | 15°44 | 11°29 | 17°49 | 24°26 | 23♉37 | 10°17 | 8♉38 | 14°D33 | 14°54 | 27°21 | 7°52 | S 2 |
| S 3 | 16 48 28 | 13°29'08 | 0♉50 | 0♊29 | 16°56 | 12° 7 | 18° 2 | 24°31 | 23°36 | 10°17 | 8°37 | 14♐33 | 14°51 | 27°27 | 7°52 | S 3 |
| M 4 | 16 52 25 | 14°26'57 | 13°27 | 2°28 | 18° 7 | 12°45 | 18°14 | 24°37 | 23°34 | 10°18 | 8°36 | 14°R33 | 14°47 | 27°34 | 7°53 | M 4 |
| T 5 | 16 56 21 | 15°24'45 | 26°18 | 4°28 | 19°18 | 13°23 | 18°27 | 24°43 | 23°32 | 10°18 | 8°34 | 14°33 | 14°44 | 27°41 | 7°53 | T 5 |
| W 6 | 17 0 18 | 16°22'32 | 9♒23 | 6°30 | 20°30 | 14° 1 | 18°39 | 24°48 | 23°31 | 10°18 | 8°33 | 14°33 | 14°41 | 27°48 | 7°54 | W 6 |
| T 7 | 17 4 14 | 17°20'18 | 22°44 | 8°34 | 21°41 | 14°39 | 18°52 | 24°54 | 23°29 | 10°18 | 8°31 | 14°32 | 14°38 | 27°54 | 7°54 | T 7 |
| F 8 | 17 8 11 | 18°18'03 | 6♓20 | 10°39 | 22°52 | 15°17 | 19° 4 | 24°59 | 23°27 | 10°18 | 8°30 | 14°32 | 14°35 | 28° 1 | 7°54 | F 8 |
| S 9 | 17 12 8 | 19°15'46 | 20°13 | 12°46 | 24° 3 | 15°54 | 19°17 | 25° 5 | 23°25 | 10°19 | 8°28 | 14°D32 | 14°32 | 28° 8 | 7°54 | S 9 |
| S 10 | 17 16 4 | 20°13'29 | 4♈20 | 14°55 | 25°14 | 16°32 | 19°30 | 25°10 | 23°23 | 10°19 | 8°27 | 14°32 | 14°28 | 28°14 | 7°54 | S 10 |
| M11 | 17 20 1 | 21°11'11 | 18°42 | 17° 4 | 26°25 | 17° 9 | 19°42 | 25°15 | 23°21 | 10°19 | 8°25 | 14°33 | 14°25 | 28°21 | 7°R54 | M11 |
| T 12 | 17 23 57 | 22° 8'52 | 3♉14 | 19°15 | 27°35 | 17°47 | 19°55 | 25°20 | 23°19 | 10°R19 | 8°24 | 14°33 | 14°22 | 28°28 | 7°54 | T 12 |
| W13 | 17 27 54 | 23° 6'32 | 17°53 | 21°26 | 28°46 | 18°24 | 20° 8 | 25°25 | 23°17 | 10°19 | 8°22 | 14°34 | 14°19 | 28°34 | 7°54 | W13 |
| T 14 | 17 31 50 | 24° 4'11 | 2♊33 | 23°38 | 29°57 | 19° 1 | 20°21 | 25°31 | 23°15 | 10°19 | 8°21 | 14°35 | 14°16 | 28°41 | 7°54 | T 14 |
| F 15 | 17 35 47 | 25° 1'49 | 17° 7 | 25°51 | 1♌ 7 | 19°38 | 20°34 | 25°36 | 23°13 | 10°18 | 8°19 | 14°R35 | 14°13 | 28°48 | 7°54 | F 15 |
| S 16 | 17 39 43 | 25°59'26 | 1♋30 | 28° 3 | 2°18 | 20°15 | 20°47 | 25°40 | 23°11 | 10°18 | 8°18 | 14°34 | 14° 9 | 28°54 | 7°53 | S 16 |
| S 17 | 17 43 40 | 26°57'02 | 15°36 | 0♋15 | 3°28 | 20°52 | 21° 0 | 25°45 | 23° 9 | 10°18 | 8°16 | 14°33 | 14° 6 | 29° 1 | 7°53 | S 17 |
| M18 | 17 47 37 | 27°54'37 | 29°22 | 2°26 | 4°39 | 21°28 | 21°13 | 25°50 | 23° 7 | 10°18 | 8°15 | 14°32 | 14° 3 | 29° 8 | 7°53 | M18 |
| T 19 | 17 51 33 | 28°52'11 | 12♌45 | 4°37 | 5°49 | 22° 5 | 21°26 | 25°55 | 23° 5 | 10°18 | 8°13 | 14°30 | 14° 0 | 29°14 | 7°52 | T 19 |
| W20 | 17 55 30 | 29°49'43 | 25°45 | 6°46 | 6°59 | 22°41 | 21°39 | 25°59 | 23° 3 | 10°18 | 8°12 | 14°28 | 13°57 | 29°21 | 7°52 | W20 |
| T 21 | 17 59 26 | 0♋47'14 | 8♍23 | 8°54 | 8° 9 | 23°17 | 21°52 | 26° 4 | 23° 1 | 10°17 | 8°10 | 14°26 | 13°53 | 29°28 | 7°51 | T 21 |
| F 22 | 18 3 23 | 1°44'44 | 20°44 | 11° 1 | 9°19 | 23°53 | 22° 5 | 26° 8 | 22°59 | 10°17 | 8° 9 | 14°25 | 13°50 | 29°35 | 7°50 | F 22 |
| S 23 | 18 7 19 | 2°42'13 | 2♎50 | 13° 6 | 10°29 | 24°29 | 22°19 | 26°13 | 22°56 | 10°17 | 8° 7 | 14°D25 | 13°47 | 29°41 | 7°50 | S 23 |
| S 24 | 18 11 16 | 3°39'41 | 14°47 | 15° 9 | 11°39 | 25° 5 | 22°32 | 26°17 | 22°54 | 10°16 | 8° 5 | 14°25 | 13°44 | 29°48 | 7°49 | S 24 |
| M25 | 18 15 12 | 4°37'07 | 26°38 | 17°10 | 12°49 | 25°41 | 22°45 | 26°21 | 22°52 | 10°16 | 8° 4 | 14°26 | 13°41 | 29°55 | 7°48 | M25 |
| T 26 | 18 19 9 | 5°34'33 | 8♏29 | 19° 9 | 13°58 | 26°16 | 22°58 | 26°25 | 22°49 | 10°15 | 8° 2 | 14°28 | 13°38 | 0♏ 1 | 7°47 | T 26 |
| W27 | 18 23 6 | 6°31'57 | 20°24 | 21° 6 | 15° 8 | 26°51 | 23°12 | 26°29 | 22°47 | 10°15 | 8° 1 | 14°29 | 13°34 | 0° 8 | 7°46 | W27 |
| T 28 | 18 27 2 | 7°29'21 | 2♐27 | 23° 0 | 16°17 | 27°27 | 23°25 | 26°33 | 22°45 | 10°14 | 7°59 | 14°31 | 13°31 | 0°15 | 7°45 | T 28 |
| F 29 | 18 30 59 | 8°26'44 | 14°41 | 24°52 | 17°26 | 28° 2 | 23°38 | 26°37 | 22°43 | 10°14 | 7°58 | 14°R31 | 13°28 | 0°21 | 7°44 | F 29 |
| S 30 | 18 34 55 | 9♋24'06 | 27♐ 8 | 26♋42 | 18♌36 | 28♓36 | 23♋52 | 26♈41 | 22♉40 | 10♓13 | 7♉56 | 14♐31 | 13♐25 | 0♏28 | 7♓43 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n 3 | 21s59 | 0s46 | 17n45 | 1s35 | 24n15 | 1n45 | 9s32 | 2s15 | 22n13 | 0n 4 | 7n18 | 2s14 | 21s41 | 0s26 | 8s 5 | 0s27 | 15s 8 | 7n54 | 22s25 | 22s28 | 13s59 | 2s56 | 6n 4 |
| S 2 | 22 10 | 22 27 | 0n21 | 18 20 | 1 26 | 24 9 | 1 46 | 9 20 | 2 17 | 22 12 | 0 4 | 7 20 | 2 14 | 21 41 | 0 26 | 8 5 | 0 27 | 15 8 | 7 55 | 22 25 | 22 28 | 14 1 | 2 56 | 6 4 |
| S 3 | 22 18 | 21 49 | 1 29 | 18 54 | 1 17 | 24 2 | 1 48 | 9 7 | 2 18 | 22 10 | 0 4 | 7 22 | 2 15 | 21 41 | 0 26 | 8 5 | 0 27 | 15 8 | 7 55 | 22 25 | 22 27 | 14 3 | 2 55 | 6 5 |
| M 4 | 22 25 | 20 5 | 2 34 | 19 27 | 1 7 | 23 54 | 1 49 | 8 54 | 2 20 | 22 9 | 0 4 | 7 24 | 2 15 | 21 42 | 0 26 | 8 5 | 0 27 | 15 8 | 7 55 | 22 25 | 22 27 | 14 5 | 2 55 | 6 5 |
| T 5 | 22 31 | 17 19 | 3 32 | 19 59 | 0 57 | 23 45 | 1 51 | 8 41 | 2 22 | 22 7 | 0 4 | 7 26 | 2 15 | 21 42 | 0 26 | 8 5 | 0 27 | 15 8 | 7 55 | 22 25 | 22 26 | 14 7 | 2 54 | 6 5 |
| W 6 | 22 37 | 13 38 | 4 20 | 20 31 | 0 47 | 23 36 | 1 52 | 8 28 | 2 24 | 22 6 | 0 4 | 7 27 | 2 15 | 21 42 | 0 26 | 8 5 | 0 27 | 15 8 | 7 55 | 22 25 | 22 26 | 14 9 | 2 54 | 6 6 |
| T 7 | 22 43 | 9 13 | 4 55 | 21 1 | 0 36 | 23 26 | 1 53 | 8 15 | 2 25 | 22 4 | 0 5 | 7 29 | 2 15 | 21 43 | 0 26 | 8 5 | 0 27 | 15 9 | 7 55 | 22 25 | 22 26 | 14 10 | 2 54 | 6 6 |
| F 8 | 22 48 | 4 16 | 5 14 | 21 30 | 0 26 | 23 16 | 1 54 | 8 2 | 2 27 | 22 2 | 0 5 | 7 31 | 2 15 | 21 43 | 0 26 | 8 5 | 0 27 | 15 9 | 7 55 | 22 25 | 22 25 | 14 12 | 2 53 | 6 6 |
| S 9 | 22 53 | 0n59 | 5 16 | 21 57 | 0 15 | 23 5 | 1 56 | 7 49 | 2 29 | 22 1 | 0 5 | 7 33 | 2 16 | 21 43 | 0 26 | 8 5 | 0 27 | 15 9 | 7 55 | 22 25 | 22 25 | 14 14 | 2 53 | 6 7 |
| S 10 | 22 57 | 6 17 | 4 59 | 22 23 | 0 4 | 22 53 | 1 57 | 7 36 | 2 31 | 21 59 | 0 5 | 7 35 | 2 16 | 21 44 | 0 26 | 8 5 | 0 27 | 15 9 | 7 55 | 22 25 | 22 25 | 14 16 | 2 53 | 6 7 |
| M11 | 23 1 | 11 20 | 4 23 | 22 47 | 0n 6 | 22 41 | 1 57 | 7 23 | 2 33 | 21 57 | 0 5 | 7 36 | 2 16 | 21 44 | 0 26 | 8 5 | 0 27 | 15 9 | 7 55 | 22 25 | 22 24 | 14 18 | 2 52 | 6 7 |
| T 12 | 23 5 | 15 49 | 3 30 | 23 9 | 0 17 | 22 28 | 1 58 | 7 10 | 2 34 | 21 55 | 0 5 | 7 38 | 2 16 | 21 44 | 0 26 | 8 5 | 0 27 | 15 9 | 7 54 | 22 25 | 22 24 | 14 20 | 2 52 | 6 7 |
| W13 | 23 8 | 19 21 | 2 23 | 23 29 | 0 27 | 22 14 | 1 59 | 6 58 | 2 36 | 21 54 | 0 5 | 7 40 | 2 16 | 21 45 | 0 26 | 8 5 | 0 27 | 15 9 | 7 54 | 22 25 | 22 24 | 14 21 | 2 52 | 6 8 |
| T 14 | 23 11 | 21 38 | 1 6 | 23 46 | 0 37 | 22 0 | 2 0 | 6 45 | 2 38 | 21 52 | 0 5 | 7 41 | 2 17 | 21 45 | 0 26 | 8 5 | 0 27 | 15 9 | 7 54 | 22 25 | 22 23 | 14 23 | 2 51 | 6 8 |
| F 15 | 23 13 | 22 27 | 0s14 | 24 1 | 0 47 | 21 46 | 2 0 | 6 32 | 2 40 | 21 50 | 0 5 | 7 43 | 2 17 | 21 46 | 0 27 | 8 5 | 0 27 | 15 9 | 7 54 | 22 25 | 22 23 | 14 25 | 2 51 | 6 8 |
| S 16 | 23 15 | 21 46 | 1 32 | 24 14 | 0 56 | 21 30 | 2 1 | 6 19 | 2 42 | 21 48 | 0 5 | 7 44 | 2 17 | 21 46 | 0 27 | 8 5 | 0 27 | 15 10 | 7 54 | 22 25 | 22 22 | 14 27 | 2 51 | 6 9 |
| S 17 | 23 16 | 19 42 | 2 44 | 24 23 | 1 5 | 21 15 | 2 1 | 6 7 | 2 43 | 21 46 | 0 5 | 7 46 | 2 17 | 21 46 | 0 27 | 8 5 | 0 27 | 15 10 | 7 54 | 22 25 | 22 22 | 14 29 | 2 51 | 6 9 |
| M18 | 23 18 | 16 32 | 3 43 | 24 30 | 1 13 | 20 58 | 2 2 | 5 54 | 2 45 | 21 44 | 0 5 | 7 48 | 2 17 | 21 47 | 0 27 | 8 5 | 0 27 | 15 10 | 7 54 | 22 25 | 22 22 | 14 30 | 2 51 | 6 9 |
| T 19 | 23 18 | 12 35 | 4 29 | 24 35 | 1 21 | 20 41 | 2 2 | 5 41 | 2 47 | 21 42 | 0 6 | 7 49 | 2 18 | 21 47 | 0 27 | 8 5 | 0 27 | 15 10 | 7 54 | 22 25 | 22 21 | 14 32 | 2 51 | 6 10 |
| W20 | 23 19 | 8 10 | 4 59 | 24 36 | 1 28 | 20 24 | 2 2 | 5 29 | 2 49 | 21 40 | 0 6 | 7 50 | 2 18 | 21 47 | 0 27 | 8 6 | 0 27 | 15 10 | 7 54 | 22 25 | 22 21 | 14 34 | 2 51 | 6 10 |
| T 21 | 23 18 | 3 31 | 5 14 | 24 35 | 1 35 | 20 6 | 2 2 | 5 16 | 2 51 | 21 38 | 0 6 | 7 52 | 2 18 | 21 48 | 0 27 | 8 6 | 0 27 | 15 10 | 7 54 | 22 24 | 22 21 | 14 36 | 2 50 | 6 10 |
| F 22 | 23 18 | 1s10 | 5 14 | 24 31 | 1 40 | 19 48 | 2 2 | 5 4 | 2 53 | 21 36 | 0 6 | 7 53 | 2 18 | 21 48 | 0 27 | 8 6 | 0 27 | 15 10 | 7 54 | 22 24 | 22 20 | 14 38 | 2 50 | 6 11 |
| S 23 | 23 17 | 5 43 | 5 0 | 24 25 | 1 45 | 19 29 | 2 2 | 4 51 | 2 55 | 21 34 | 0 6 | 7 55 | 2 19 | 21 49 | 0 27 | 8 6 | 0 28 | 15 11 | 7 54 | 22 24 | 22 20 | 14 39 | 2 50 | 6 11 |
| S 24 | 23 16 | 9 59 | 4 33 | 24 16 | 1 49 | 19 9 | 2 2 | 4 39 | 2 57 | 21 32 | 0 6 | 7 56 | 2 19 | 21 49 | 0 27 | 8 6 | 0 28 | 15 11 | 7 54 | 22 24 | 22 19 | 14 41 | 2 50 | 6 11 |
| M25 | 23 14 | 13 51 | 3 54 | 24 5 | 1 53 | 18 49 | 2 2 | 4 27 | 2 58 | 21 30 | 0 6 | 7 57 | 2 19 | 21 49 | 0 27 | 8 6 | 0 28 | 15 11 | 7 54 | 22 24 | 22 19 | 14 43 | 2 50 | 6 12 |
| T 26 | 23 12 | 17 11 | 3 6 | 23 52 | 1 56 | 18 29 | 2 1 | 4 14 | 3 0 | 21 28 | 0 6 | 7 59 | 2 19 | 21 50 | 0 27 | 8 6 | 0 28 | 15 11 | 7 54 | 22 25 | 22 19 | 14 45 | 2 50 | 6 12 |
| W27 | 23 9 | 19 49 | 2 9 | 23 36 | 1 58 | 18 8 | 2 1 | 4 2 | 3 2 | 21 26 | 0 6 | 8 0 | 2 20 | 21 50 | 0 27 | 8 7 | 0 28 | 15 11 | 7 54 | 22 25 | 22 18 | 14 46 | 2 51 | 6 12 |
| T 28 | 23 6 | 21 37 | 1 6 | 23 19 | 1 59 | 17 47 | 2 0 | 3 50 | 3 4 | 21 24 | 0 6 | 8 1 | 2 20 | 21 50 | 0 27 | 8 7 | 0 28 | 15 11 | 7 54 | 22 25 | 22 18 | 14 48 | 2 51 | 6 13 |
| F 29 | 23 2 | 22 25 | 0n 1 | 23 0 | 1 59 | 17 25 | 2 0 | 3 38 | 3 6 | 21 22 | 0 6 | 8 2 | 2 20 | 21 51 | 0 27 | 8 7 | 0 28 | 15 12 | 7 53 | 22 25 | 22 18 | 14 50 | 2 51 | 6 13 |
| S 30 | 22n59 | 22s 8 | 1n 9 | 22n39 | 1n59 | 17n 3 | 1n59 | 3s26 | 3s 8 | 21n19 | 0n 7 | 8n 3 | 2s20 | 21s51 | 0s27 | 8s 7 | 0s28 | 15s12 | 7n53 | 22s25 | 22s17 | 14s52 | 2s51 | 6n13 |

Julian Day Number = 2816208.5, Delta T = 54m42s
Ecliptic obliquity = 23°18'33, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°43'01, Lahiri = 37°50'02


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# ASTRODIENST EPHEMERIS for the year 2998
# geocentric

## JULY 2998 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 38 52 | 10♋21'27 | 9♉51 | 28♋30 | 19♌45 | 29♓11 | 24♋ 5 | 26♈45 | 22°R38 | 10°R13 | 7°R54 | 14°R29 | 13♐22 | 0♏35 | 7°R42 | S 1 |
| M 2 | 18 42 48 | 11°18'48 | 22°49 | 0♌15 | 20°54 | 29°45 | 24°19 | 26°49 | 22♉35 | 10♓12 | 7♉53 | 14♐26 | 13°19 | 0°41 | 7♓40 | M 2 |
| T 3 | 18 46 45 | 12°16'08 | 6♒ 3 | 1°57 | 22° 3 | 0♈20 | 24°32 | 26°52 | 22°33 | 10°11 | 7°51 | 14°22 | 13°15 | 0°48 | 7°39 | T 3 |
| W 4 | 18 50 42 | 13°13'27 | 19°32 | 3°37 | 23°11 | 0°54 | 24°46 | 26°56 | 22°31 | 10°11 | 7°50 | 14°18 | 13°12 | 0°55 | 7°38 | W 4 |
| T 5 | 18 54 38 | 14°10'46 | 3♓12 | 5°15 | 24°20 | 1°28 | 24°59 | 26°59 | 22°28 | 10°10 | 7°48 | 14°13 | 13° 9 | 1° 1 | 7°36 | T 5 |
| F 6 | 18 58 35 | 15° 8'05 | 17° 4 | 6°50 | 25°28 | 2° 1 | 25°13 | 27° 2 | 22°26 | 10° 9 | 7°47 | 14°10 | 13° 6 | 1° 8 | 7°35 | F 6 |
| S 7 | 19 2 31 | 16° 5'23 | 1♈ 4 | 8°23 | 26°37 | 2°35 | 25°26 | 27° 5 | 22°23 | 10° 9 | 7°45 | 14° 8 | 13° 3 | 1°15 | 7°33 | S 7 |
| S 8 | 19 6 28 | 17° 2'42 | 15°11 | 9°53 | 27°45 | 3° 8 | 25°40 | 27° 9 | 22°21 | 10° 8 | 7°43 | 14°D 7 | 12°59 | 1°21 | 7°32 | S 8 |
| M 9 | 19 10 24 | 18° 0'00 | 29°23 | 11°21 | 28°53 | 3°41 | 25°53 | 27°12 | 22°19 | 10° 7 | 7°42 | 14° 7 | 12°56 | 1°28 | 7°30 | M 9 |
| T 10 | 19 14 21 | 18°57'18 | 13♉38 | 12°46 | 0♍ 1 | 4°14 | 26° 7 | 27°15 | 22°16 | 10° 6 | 7°40 | 14° 9 | 12°53 | 1°35 | 7°28 | T 10 |
| W11 | 19 18 17 | 19°54'37 | 27°53 | 14° 9 | 1° 9 | 4°46 | 26°20 | 27°17 | 22°14 | 10° 5 | 7°39 | 14°10 | 12°50 | 1°41 | 7°27 | W11 |
| T 12 | 19 22 14 | 20°51'55 | 12♊ 7 | 15°29 | 2°17 | 5°19 | 26°34 | 27°20 | 22°11 | 10° 4 | 7°37 | 14°R11 | 12°47 | 1°48 | 7°25 | T 12 |
| F 13 | 19 26 11 | 21°49'13 | 26°15 | 16°46 | 3°25 | 5°51 | 26°47 | 27°23 | 22° 9 | 10° 3 | 7°36 | 14°10 | 12°44 | 1°55 | 7°23 | F 13 |
| S 14 | 19 30 7 | 22°46'31 | 10♋15 | 18° 1 | 4°32 | 6°23 | 27° 1 | 27°25 | 22° 6 | 10° 2 | 7°34 | 14° 8 | 12°40 | 2° 2 | 7°21 | S 14 |
| S 15 | 19 34 4 | 23°43'49 | 24° 3 | 19°13 | 5°40 | 6°54 | 27°14 | 27°28 | 22° 4 | 10° 1 | 7°33 | 14° 4 | 12°37 | 2° 8 | 7°19 | S 15 |
| M16 | 19 38 0 | 24°41'06 | 7♌35 | 20°22 | 6°47 | 7°25 | 27°28 | 27°30 | 22° 2 | 10° 0 | 7°31 | 13°58 | 12°34 | 2°15 | 7°17 | M16 |
| T 17 | 19 41 57 | 25°38'23 | 20°49 | 21°28 | 7°54 | 7°56 | 27°42 | 27°33 | 21°59 | 9°59 | 7°30 | 13°51 | 12°31 | 2°22 | 7°15 | T 17 |
| W18 | 19 45 53 | 26°35'40 | 3♍45 | 22°31 | 9° 1 | 8°27 | 27°55 | 27°35 | 21°57 | 9°58 | 7°28 | 13°44 | 12°28 | 2°28 | 7°13 | W18 |
| T 19 | 19 49 50 | 27°32'57 | 16°22 | 23°31 | 10° 8 | 8°57 | 28° 9 | 27°37 | 21°54 | 9°57 | 7°27 | 13°37 | 12°25 | 2°35 | 7°11 | T 19 |
| F 20 | 19 53 46 | 28°30'13 | 28°42 | 24°28 | 11°14 | 9°27 | 28°22 | 27°39 | 21°52 | 9°56 | 7°25 | 13°32 | 12°21 | 2°42 | 7° 9 | F 20 |
| S 21 | 19 57 43 | 29°27'29 | 10♎48 | 25°22 | 12°21 | 9°57 | 28°36 | 27°41 | 21°49 | 9°55 | 7°24 | 13°28 | 12°18 | 2°48 | 7° 7 | S 21 |
| S 22 | 20 1 40 | 0♌24'44 | 22°44 | 26°12 | 13°27 | 10°26 | 28°50 | 27°43 | 21°47 | 9°54 | 7°22 | 13°26 | 12°15 | 2°55 | 7° 4 | S 22 |
| M23 | 20 5 36 | 1°22'00 | 4♏35 | 26°59 | 14°33 | 10°55 | 29° 3 | 27°44 | 21°45 | 9°53 | 7°21 | 13°D26 | 12°12 | 3° 2 | 7° 2 | M23 |
| T 24 | 20 9 33 | 2°19'15 | 16°26 | 27°42 | 15°39 | 11°24 | 29°17 | 27°46 | 21°42 | 9°51 | 7°20 | 13°27 | 12° 9 | 3° 8 | 7° 0 | T 24 |
| W25 | 20 13 29 | 3°16'30 | 28°22 | 28°21 | 16°45 | 11°53 | 29°30 | 27°47 | 21°40 | 9°50 | 7°18 | 13°28 | 12° 5 | 3°15 | 6°57 | W25 |
| T 26 | 20 17 26 | 4°13'45 | 10♐28 | 28°57 | 17°50 | 12°21 | 29°44 | 27°49 | 21°37 | 9°49 | 7°17 | 13°R29 | 12° 2 | 3°22 | 6°55 | T 26 |
| F 27 | 20 21 22 | 5°11'00 | 22°48 | 29°28 | 18°56 | 12°48 | 29°57 | 27°50 | 21°35 | 9°48 | 7°16 | 13°29 | 11°59 | 3°28 | 6°52 | F 27 |
| S 28 | 20 25 19 | 6° 8'15 | 5♑26 | 29°55 | 20° 1 | 13°16 | 0♌11 | 27°51 | 21°33 | 9°46 | 7°14 | 13°26 | 11°56 | 3°35 | 6°50 | S 28 |
| S 29 | 20 29 15 | 7° 5'30 | 18°24 | 0♍18 | 21° 6 | 13°43 | 0°24 | 27°52 | 21°30 | 9°45 | 7°13 | 13°22 | 11°53 | 3°42 | 6°47 | S 29 |
| M30 | 20 33 12 | 8° 2'45 | 1♒43 | 0°37 | 22°11 | 14° 9 | 0°38 | 27°53 | 21°28 | 9°44 | 7°12 | 13°15 | 11°50 | 3°48 | 6°45 | M30 |
| T 31 | 20 37 9 | 9♌ 0'00 | 15♒21 | 0♍51 | 23♍15 | 14♈35 | 0♌51 | 27♈54 | 21♑26 | 9♓43 | 7♉10 | 13♐ 7 | 11♐46 | 3♏55 | 6♓42 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n54 | 20s42 | 2n15 | 22n16 | 1n58 | 16n41 | 1n58 | 3s14 | 3s10 | 21n17 | 0n 7 | 8n 4 | 2s20 | 21s52 | 0s27 | 8s 8 | 0s28 | 15s12 | 7n53 | 22s25 | 22s17 | 14s53 | 2s51 | 6n13 |
| M 2 | 22 50 | 18 11 | 3 15 | 21 53 | 1 56 | 16 18 | 1 57 | 3 2 | 3 12 | 21 15 | 0 7 | 8 5 | 2 21 | 21 52 | 0 27 | 8 8 | 0 28 | 15 12 | 7 53 | 22 24 | 22 16 | 14 55 | 2 51 | 6 14 |
| T 3 | 22 45 | 14 41 | 4 6 | 21 28 | 1 53 | 15 55 | 1 56 | 2 50 | 3 14 | 21 13 | 0 7 | 8 6 | 2 21 | 21 53 | 0 27 | 8 8 | 0 28 | 15 12 | 7 53 | 22 24 | 22 16 | 14 57 | 2 51 | 6 14 |
| W 4 | 22 39 | 10 23 | 4 44 | 21 1 | 1 50 | 15 31 | 1 55 | 2 38 | 3 16 | 21 10 | 0 7 | 8 7 | 2 21 | 21 53 | 0 27 | 8 8 | 0 28 | 15 13 | 7 53 | 22 23 | 22 16 | 14 59 | 2 52 | 6 14 |
| T 5 | 22 34 | 5 30 | 5 7 | 20 34 | 1 46 | 15 7 | 1 53 | 2 27 | 3 18 | 21 8 | 0 7 | 8 8 | 2 21 | 21 53 | 0 27 | 8 9 | 0 28 | 15 13 | 7 53 | 22 23 | 22 15 | 15 0 | 2 52 | 6 15 |
| F 6 | 22 27 | 0 17 | 5 12 | 20 6 | 1 42 | 14 43 | 1 52 | 2 15 | 3 20 | 21 6 | 0 7 | 8 9 | 2 22 | 21 54 | 0 27 | 8 9 | 0 28 | 15 13 | 7 53 | 22 23 | 22 15 | 15 2 | 2 52 | 6 15 |
| S 7 | 22 21 | 5n 0 | 4 59 | 19 37 | 1 36 | 14 19 | 1 51 | 2 4 | 3 22 | 21 3 | 0 7 | 8 10 | 2 22 | 21 54 | 0 27 | 8 9 | 0 28 | 15 13 | 7 52 | 22 22 | 22 14 | 15 4 | 2 53 | 6 15 |
| S 8 | 22 14 | 10 4 | 4 28 | 19 8 | 1 31 | 13 54 | 1 49 | 1 53 | 3 24 | 21 1 | 0 7 | 8 11 | 2 22 | 21 55 | 0 27 | 8 10 | 0 28 | 15 14 | 7 52 | 22 22 | 22 14 | 15 6 | 2 53 | 6 15 |
| M 9 | 22 6 | 14 38 | 3 40 | 18 38 | 1 24 | 13 28 | 1 47 | 1 41 | 3 26 | 20 58 | 0 7 | 8 12 | 2 22 | 21 55 | 0 27 | 8 10 | 0 28 | 15 14 | 7 52 | 22 22 | 22 14 | 15 7 | 2 53 | 6 16 |
| T 10 | 21 59 | 18 22 | 2 39 | 18 7 | 1 17 | 13 3 | 1 45 | 1 30 | 3 27 | 20 56 | 0 7 | 8 13 | 2 23 | 21 55 | 0 27 | 8 10 | 0 28 | 15 14 | 7 52 | 22 22 | 22 13 | 15 9 | 2 54 | 6 16 |
| W11 | 21 50 | 21 0 | 1 28 | 17 36 | 1 9 | 12 37 | 1 43 | 1 19 | 3 29 | 20 54 | 0 8 | 8 14 | 2 23 | 21 56 | 0 27 | 8 11 | 0 28 | 15 14 | 7 52 | 22 23 | 22 13 | 15 11 | 2 54 | 6 16 |
| T 12 | 21 42 | 22 18 | 0 11 | 17 5 | 1 1 | 12 11 | 1 41 | 1 8 | 3 31 | 20 51 | 0 8 | 8 14 | 2 23 | 21 56 | 0 27 | 8 11 | 0 28 | 15 15 | 7 52 | 22 23 | 22 12 | 15 12 | 2 54 | 6 16 |
| F 13 | 21 33 | 22 10 | 1s 5 | 16 33 | 0 52 | 11 45 | 1 39 | 0 58 | 3 33 | 20 49 | 0 8 | 8 15 | 2 23 | 21 57 | 0 27 | 8 11 | 0 28 | 15 15 | 7 52 | 22 23 | 22 12 | 15 14 | 2 55 | 6 17 |
| S 14 | 21 24 | 20 38 | 2 17 | 16 2 | 0 43 | 11 18 | 1 37 | 0 47 | 3 35 | 20 46 | 0 8 | 8 16 | 2 24 | 21 57 | 0 27 | 8 12 | 0 28 | 15 15 | 7 51 | 22 22 | 22 12 | 15 16 | 2 55 | 6 17 |
| S 15 | 21 14 | 17 54 | 3 20 | 15 30 | 0 33 | 10 51 | 1 35 | 0 36 | 3 37 | 20 44 | 0 8 | 8 16 | 2 24 | 21 57 | 0 27 | 8 12 | 0 28 | 15 15 | 7 51 | 22 22 | 22 11 | 15 17 | 2 56 | 6 17 |
| M16 | 21 4 | 14 15 | 4 9 | 14 59 | 0 23 | 10 24 | 1 32 | 0 26 | 3 39 | 20 41 | 0 8 | 8 17 | 2 24 | 21 58 | 0 27 | 8 13 | 0 28 | 15 16 | 7 51 | 22 21 | 22 11 | 15 19 | 2 56 | 6 17 |
| T 17 | 20 54 | 9 58 | 4 45 | 14 28 | 0 12 | 9 57 | 1 30 | 0 16 | 3 41 | 20 38 | 0 8 | 8 18 | 2 25 | 21 58 | 0 27 | 8 13 | 0 28 | 15 16 | 7 51 | 22 20 | 22 10 | 15 21 | 2 57 | 6 17 |
| W18 | 20 43 | 5 21 | 5 4 | 13 57 | 0 1 | 9 29 | 1 27 | 0 5 | 3 43 | 20 36 | 0 8 | 8 18 | 2 25 | 21 59 | 0 27 | 8 13 | 0 28 | 15 16 | 7 51 | 22 19 | 22 10 | 15 22 | 2 57 | 6 18 |
| T 19 | 20 32 | 0 36 | 5 9 | 13 26 | 0s11 | 9 2 | 1 24 | 0n 5 | 3 45 | 20 33 | 0 8 | 8 19 | 2 25 | 21 59 | 0 27 | 8 14 | 0 28 | 15 16 | 7 50 | 22 19 | 22 10 | 15 24 | 2 58 | 6 18 |
| F 20 | 20 21 | 4s 3 | 4 58 | 12 56 | 0 23 | 8 34 | 1 21 | 0 14 | 3 47 | 20 31 | 0 8 | 8 19 | 2 25 | 21 59 | 0 27 | 8 14 | 0 28 | 15 17 | 7 50 | 22 18 | 22 9 | 15 26 | 2 59 | 6 18 |
| S 21 | 20 9 | 8 28 | 4 35 | 12 26 | 0 36 | 8 6 | 1 18 | 0 24 | 3 49 | 20 28 | 0 8 | 8 19 | 2 26 | 22 0 | 0 27 | 8 15 | 0 28 | 15 17 | 7 50 | 22 18 | 22 9 | 15 27 | 2 59 | 6 18 |
| S 22 | 19 57 | 12 30 | 4 0 | 11 58 | 0 48 | 7 38 | 1 15 | 0 34 | 3 51 | 20 25 | 0 8 | 8 20 | 2 26 | 22 0 | 0 27 | 8 15 | 0 28 | 15 17 | 7 50 | 22 17 | 22 8 | 15 29 | 3 0 | 6 18 |
| M23 | 19 45 | 16 2 | 3 14 | 11 29 | 1 2 | 7 9 | 1 12 | 0 43 | 3 53 | 20 23 | 0 9 | 8 20 | 2 26 | 22 0 | 0 27 | 8 16 | 0 28 | 15 17 | 7 50 | 22 17 | 22 8 | 15 31 | 3 1 | 6 19 |
| T 24 | 19 32 | 18 55 | 2 21 | 11 2 | 1 15 | 6 41 | 1 8 | 0 53 | 3 55 | 20 20 | 0 9 | 8 20 | 2 26 | 22 1 | 0 27 | 8 16 | 0 28 | 15 18 | 7 49 | 22 17 | 22 8 | 15 32 | 3 1 | 6 19 |
| W25 | 19 19 | 21 0 | 1 21 | 10 36 | 1 29 | 6 12 | 1 5 | 1 2 | 3 57 | 20 17 | 0 9 | 8 21 | 2 27 | 22 1 | 0 27 | 8 17 | 0 28 | 15 18 | 7 49 | 22 18 | 22 7 | 15 34 | 3 2 | 6 19 |
| T 26 | 19 6 | 22 10 | 0 16 | 10 10 | 1 43 | 5 43 | 1 1 | 1 11 | 3 59 | 20 14 | 0 9 | 8 21 | 2 27 | 22 2 | 0 27 | 8 17 | 0 28 | 15 18 | 7 49 | 22 18 | 22 7 | 15 36 | 3 3 | 6 19 |
| F 27 | 18 52 | 22 17 | 0n50 | 9 46 | 1 57 | 5 15 | 0 58 | 1 20 | 4 1 | 20 12 | 0 9 | 8 21 | 2 27 | 22 2 | 0 27 | 8 17 | 0 28 | 15 19 | 7 49 | 22 18 | 22 6 | 15 37 | 3 3 | 6 19 |
| S 28 | 18 38 | 21 17 | 1 55 | 9 24 | 2 11 | 4 46 | 0 54 | 1 29 | 4 3 | 20 9 | 0 9 | 8 21 | 2 27 | 22 2 | 0 27 | 8 18 | 0 28 | 15 19 | 7 49 | 22 17 | 22 6 | 15 39 | 3 4 | 6 20 |
| S 29 | 18 24 | 19 9 | 2 56 | 9 2 | 2 25 | 4 17 | 0 50 | 1 37 | 4 5 | 20 6 | 0 9 | 8 22 | 2 28 | 22 3 | 0 27 | 8 18 | 0 28 | 15 19 | 7 48 | 22 17 | 22 5 | 15 41 | 3 5 | 6 20 |
| M30 | 18 9 | 15 57 | 3 49 | 8 43 | 2 39 | 3 48 | 0 46 | 1 45 | 4 7 | 20 3 | 0 9 | 8 22 | 2 28 | 22 3 | 0 27 | 8 19 | 0 28 | 15 19 | 7 48 | 22 16 | 22 5 | 15 42 | 3 6 | 6 20 |
| T 31 | 17n55 | 11s50 | 4n30 | 8n24 | 2s54 | 3n18 | 0n42 | 1n54 | 4s 9 | 20n 1 | 0n 9 | 8n22 | 2s28 | 22s 3 | 0s27 | 8s20 | 0s28 | 15s20 | 7n48 | 22s15 | 22s 5 | 15s44 | 3s 7 | 6n20 |

Julian Day Number = 2816238.5, Delta T = 54m42s
Ecliptic obliquity = 23°18'33, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°43'05, Lahiri = 37°50'06


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# ASTRODIENST EPHEMERIS for the year 2998
# geocentric

## AUGUST 2998 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 41 5 | 9♌57'16 | 29♒15 | 1♍ 0 | 24♍19 | 15♈ 1 | 1♌ 5 | 27♈55 | 21°R24 | 9°R41 | 7°R 9 | 12°R58 | 11♐43 | 4♏ 2 | 6°R39 | W 1 |
| T 2 | 20 45 2 | 10°54'32 | 13♓23 | 1°R 4 | 25°24 | 15°26 | 1°18 | 27°56 | 21♉21 | 9♓40 | 7♉ 8 | 12♐49 | 11°40 | 4° 8 | 6♓37 | T 2 |
| F 3 | 20 48 58 | 11°51'48 | 27°37 | 1° 4 | 26°27 | 15°51 | 1°32 | 27°56 | 21°19 | 9°38 | 7° 7 | 12°42 | 11°37 | 4°15 | 6°34 | F 3 |
| S 4 | 20 52 55 | 12°49'05 | 11♈55 | 0°59 | 27°31 | 16°16 | 1°45 | 27°57 | 21°17 | 9°37 | 7° 5 | 12°36 | 11°34 | 4°22 | 6°31 | S 4 |
| S 5 | 20 56 51 | 13°46'23 | 26°12 | 0°48 | 28°35 | 16°40 | 1°59 | 27°57 | 21°15 | 9°36 | 7° 4 | 12°33 | 11°30 | 4°28 | 6°29 | S 5 |
| M 6 | 21 0 48 | 14°43'41 | 10♉25 | 0°33 | 29°38 | 17° 3 | 2°12 | 27°58 | 21°12 | 9°34 | 7° 3 | 12°D31 | 11°27 | 4°35 | 6°26 | M 6 |
| T 7 | 21 4 44 | 15°41'01 | 24°31 | 0°14 | 0♎41 | 17°26 | 2°26 | 27°58 | 21°10 | 9°33 | 7° 2 | 12°31 | 11°24 | 4°42 | 6°23 | T 7 |
| W 8 | 21 8 41 | 16°38'21 | 8♊31 | 29♌49 | 1°43 | 17°49 | 2°39 | 27°R58 | 21° 8 | 9°31 | 7° 1 | 12°R32 | 11°21 | 4°48 | 6°20 | W 8 |
| T 9 | 21 12 38 | 17°35'42 | 22°23 | 29°21 | 2°46 | 18°11 | 2°52 | 27°58 | 21° 6 | 9°30 | 7° 0 | 12°32 | 11°18 | 4°55 | 6°17 | T 9 |
| F 10 | 21 16 34 | 18°33'04 | 6♋ 8 | 28°48 | 3°48 | 18°33 | 3° 6 | 27°58 | 21° 4 | 9°28 | 6°59 | 12°30 | 11°15 | 5° 2 | 6°14 | F 10 |
| S 11 | 21 20 31 | 19°30'26 | 19°42 | 28°12 | 4°50 | 18°54 | 3°19 | 27°58 | 21° 2 | 9°27 | 6°57 | 12°25 | 11°11 | 5° 8 | 6°11 | S 11 |
| S 12 | 21 24 27 | 20°27'50 | 3♌ 7 | 27°33 | 5°51 | 19°14 | 3°32 | 27°57 | 21° 0 | 9°25 | 6°56 | 12°18 | 11° 8 | 5°15 | 6° 8 | S 12 |
| M13 | 21 28 24 | 21°25'14 | 16°19 | 26°52 | 6°53 | 19°34 | 3°45 | 27°57 | 20°58 | 9°24 | 6°55 | 12° 8 | 11° 5 | 5°22 | 6° 5 | M13 |
| T 14 | 21 32 20 | 22°22'39 | 29°17 | 26° 8 | 7°53 | 19°53 | 3°59 | 27°56 | 20°56 | 9°22 | 6°54 | 11°56 | 11° 2 | 5°28 | 6° 3 | T 14 |
| W15 | 21 36 17 | 23°20'04 | 12♍ 1 | 25°24 | 8°54 | 20°12 | 4°12 | 27°56 | 20°54 | 9°21 | 6°53 | 11°44 | 10°59 | 5°35 | 6° 0 | W15 |
| T 16 | 21 40 13 | 24°17'30 | 24°30 | 24°39 | 9°54 | 20°30 | 4°25 | 27°55 | 20°52 | 9°19 | 6°52 | 11°33 | 10°56 | 5°42 | 5°56 | T 16 |
| F 17 | 21 44 10 | 25°14'57 | 6♎45 | 23°55 | 10°54 | 20°47 | 4°38 | 27°54 | 20°50 | 9°17 | 6°52 | 11°23 | 10°52 | 5°48 | 5°53 | F 17 |
| S 18 | 21 48 7 | 26°12'24 | 18°48 | 23°12 | 11°54 | 21° 4 | 4°51 | 27°53 | 20°48 | 9°16 | 6°51 | 11°15 | 10°49 | 5°55 | 5°50 | S 18 |
| S 19 | 21 52 3 | 27° 9'52 | 0♏42 | 22°31 | 12°53 | 21°20 | 5° 4 | 27°52 | 20°46 | 9°14 | 6°50 | 11°10 | 10°46 | 6° 2 | 5°47 | S 19 |
| M20 | 21 56 0 | 28° 7'20 | 12°31 | 21°53 | 13°52 | 21°36 | 5°17 | 27°51 | 20°45 | 9°13 | 6°49 | 11° 7 | 10°43 | 6° 8 | 5°44 | M20 |
| T 21 | 21 59 56 | 29° 4'50 | 24°21 | 21°19 | 14°51 | 21°51 | 5°30 | 27°50 | 20°43 | 9°11 | 6°48 | 11° 6 | 10°40 | 6°15 | 5°41 | T 21 |
| W22 | 22 3 53 | 0♍ 2'19 | 6♐16 | 20°49 | 15°49 | 22° 5 | 5°43 | 27°49 | 20°41 | 9°10 | 6°47 | 11° 6 | 10°36 | 6°22 | 5°38 | W22 |
| T 23 | 22 7 49 | 0°59'50 | 18°21 | 20°24 | 16°47 | 22°19 | 5°56 | 27°47 | 20°40 | 9° 8 | 6°47 | 11° 6 | 10°33 | 6°28 | 5°35 | T 23 |
| F 24 | 22 11 46 | 1°57'21 | 0♑43 | 20° 5 | 17°44 | 22°32 | 6° 9 | 27°46 | 20°38 | 9° 6 | 6°46 | 11° 5 | 10°30 | 6°35 | 5°32 | F 24 |
| S 25 | 22 15 42 | 2°54'54 | 13°26 | 19°52 | 18°41 | 22°44 | 6°21 | 27°44 | 20°36 | 9° 5 | 6°45 | 11° 1 | 10°27 | 6°42 | 5°29 | S 25 |
| S 26 | 22 19 39 | 3°52'26 | 26°32 | 19°45 | 19°37 | 22°55 | 6°34 | 27°42 | 20°35 | 9° 3 | 6°44 | 10°55 | 10°24 | 6°48 | 5°26 | S 26 |
| M27 | 22 23 36 | 4°50'00 | 10♒ 4 | 19°D45 | 20°33 | 23° 6 | 6°47 | 27°40 | 20°33 | 9° 1 | 6°44 | 10°47 | 10°21 | 6°55 | 5°23 | M27 |
| T 28 | 22 27 32 | 5°47'35 | 24° 1 | 19°51 | 21°29 | 23°16 | 7° 0 | 27°39 | 20°32 | 9° 0 | 6°43 | 10°37 | 10°17 | 7° 2 | 5°20 | T 28 |
| W29 | 22 31 29 | 6°45'11 | 8♓18 | 20° 5 | 22°24 | 23°25 | 7°12 | 27°37 | 20°30 | 8°58 | 6°43 | 10°25 | 10°14 | 7° 8 | 5°17 | W29 |
| T 30 | 22 35 25 | 7°42'47 | 22°51 | 20°26 | 23°18 | 23°34 | 7°25 | 27°34 | 20°29 | 8°56 | 6°42 | 10°14 | 10°11 | 7°15 | 5°13 | T 30 |
| F 31 | 22 39 22 | 8♍40'25 | 7♈32 | 20♌54 | 24♎12 | 23♈42 | 7♌37 | 27♈32 | 20♉28 | 8♓55 | 6♉42 | 10♐ 4 | 10♐ 8 | 7♏22 | 5♓10 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n39 | 7s 2 | 4n56 | 8n 8 | 3s 8 | 2n49 | 0n38 | 2n 2 | 4s10 | 19n58 | 0n 9 | 8n22 | 2s29 | 22s 4 | 0s27 | 8s20 | 0s28 | 15s20 | 7n48 | 22s14 | 22s 4 | 15s45 | 3s 7 | 6n20 |
| T 2 | 17 24 | 1 48 | 5 5 | 7 54 | 3 21 | 2 20 | 0 33 | 2 10 | 4 12 | 19 55 | 0 10 | 8 22 | 2 29 | 22 4 | 0 27 | 8 21 | 0 28 | 15 20 | 7 47 | 22 13 | 22 4 | 15 47 | 3 8 | 6 20 |
| F 3 | 17 8 | 3n34 | 4 55 | 7 41 | 3 35 | 1 51 | 0 29 | 2 17 | 4 14 | 19 52 | 0 10 | 8 22 | 2 29 | 22 5 | 0 27 | 8 21 | 0 28 | 15 21 | 7 47 | 22 12 | 22 3 | 15 49 | 3 9 | 6 20 |
| S 4 | 16 52 | 8 46 | 4 26 | 7 31 | 3 48 | 1 21 | 0 24 | 2 25 | 4 16 | 19 49 | 0 10 | 8 22 | 2 29 | 22 5 | 0 27 | 8 22 | 0 28 | 15 21 | 7 47 | 22 11 | 22 3 | 15 50 | 3 10 | 6 20 |
| S 5 | 16 36 | 13 30 | 3 41 | 7 23 | 4 0 | 0 52 | 0 20 | 2 32 | 4 18 | 19 46 | 0 10 | 8 21 | 2 30 | 22 5 | 0 27 | 8 22 | 0 28 | 15 21 | 7 47 | 22 11 | 22 2 | 15 52 | 3 11 | 6 21 |
| M 6 | 16 20 | 17 26 | 2 43 | 7 17 | 4 12 | 0 23 | 0 15 | 2 40 | 4 20 | 19 43 | 0 10 | 8 21 | 2 30 | 22 6 | 0 27 | 8 23 | 0 28 | 15 22 | 7 46 | 22 10 | 22 2 | 15 54 | 3 12 | 6 21 |
| T 7 | 16 3 | 20 20 | 1 35 | 7 14 | 4 22 | 0s 7 | 0 10 | 2 47 | 4 22 | 19 40 | 0 10 | 8 21 | 2 30 | 22 6 | 0 27 | 8 23 | 0 28 | 15 22 | 7 46 | 22 10 | 22 2 | 15 55 | 3 13 | 6 21 |
| W 8 | 15 46 | 21 57 | 0 21 | 7 13 | 4 32 | 0 36 | 0 5 | 2 53 | 4 23 | 19 38 | 0 10 | 8 21 | 2 30 | 22 6 | 0 27 | 8 24 | 0 28 | 15 22 | 7 46 | 22 11 | 22 1 | 15 57 | 3 14 | 6 21 |
| T 9 | 15 29 | 22 13 | 0s52 | 7 15 | 4 41 | 1 5 | 0 0 | 3 0 | 4 25 | 19 35 | 0 10 | 8 21 | 2 31 | 22 7 | 0 27 | 8 24 | 0 29 | 15 23 | 7 46 | 22 10 | 22 1 | 15 58 | 3 15 | 6 21 |
| F 10 | 15 11 | 21 8 | 2 2 | 7 19 | 4 48 | 1 35 | 0s 5 | 3 6 | 4 27 | 19 32 | 0 10 | 8 20 | 2 31 | 22 7 | 0 27 | 8 25 | 0 29 | 15 23 | 7 45 | 22 10 | 22 0 | 16 0 | 3 16 | 6 21 |
| S 11 | 14 53 | 18 50 | 3 4 | 7 25 | 4 54 | 2 4 | 0 10 | 3 13 | 4 29 | 19 29 | 0 10 | 8 20 | 2 31 | 22 7 | 0 27 | 8 26 | 0 29 | 15 23 | 7 45 | 22 10 | 22 0 | 16 1 | 3 17 | 6 21 |
| S 12 | 14 35 | 15 32 | 3 55 | 7 34 | 4 59 | 2 33 | 0 16 | 3 19 | 4 31 | 19 26 | 0 10 | 8 20 | 2 32 | 22 7 | 0 27 | 8 26 | 0 29 | 15 24 | 7 45 | 22 9 | 21 59 | 16 3 | 3 18 | 6 21 |
| M13 | 14 17 | 11 31 | 4 32 | 7 45 | 5 2 | 3 2 | 0 21 | 3 24 | 4 32 | 19 23 | 0 11 | 8 19 | 2 32 | 22 8 | 0 27 | 8 27 | 0 29 | 15 24 | 7 44 | 22 7 | 21 59 | 16 5 | 3 19 | 6 21 |
| T 14 | 13 59 | 7 3 | 4 55 | 7 59 | 5 3 | 3 31 | 0 27 | 3 30 | 4 34 | 19 20 | 0 11 | 8 19 | 2 32 | 22 8 | 0 27 | 8 27 | 0 29 | 15 24 | 7 44 | 22 6 | 21 59 | 16 6 | 3 20 | 6 21 |
| W15 | 13 40 | 2 22 | 5 2 | 8 14 | 5 2 | 4 0 | 0 32 | 3 35 | 4 36 | 19 17 | 0 11 | 8 18 | 2 32 | 22 8 | 0 27 | 8 28 | 0 29 | 15 25 | 7 44 | 22 4 | 21 58 | 16 8 | 3 21 | 6 21 |
| T 16 | 13 21 | 2s20 | 4 54 | 8 31 | 5 0 | 4 29 | 0 38 | 3 40 | 4 37 | 19 14 | 0 11 | 8 18 | 2 33 | 22 9 | 0 27 | 8 29 | 0 29 | 15 25 | 7 44 | 22 3 | 21 58 | 16 9 | 3 22 | 6 21 |
| F 17 | 13 2 | 6 51 | 4 33 | 8 49 | 4 56 | 4 58 | 0 44 | 3 45 | 4 39 | 19 11 | 0 11 | 8 17 | 2 33 | 22 9 | 0 27 | 8 29 | 0 29 | 15 25 | 7 43 | 22 1 | 21 57 | 16 11 | 3 23 | 6 21 |
| S 18 | 12 43 | 11 2 | 4 0 | 9 9 | 4 50 | 5 27 | 0 50 | 3 50 | 4 41 | 19 8 | 0 11 | 8 17 | 2 33 | 22 9 | 0 27 | 8 30 | 0 29 | 15 26 | 7 43 | 22 0 | 21 57 | 16 12 | 3 24 | 6 21 |
| S 19 | 12 23 | 14 44 | 3 17 | 9 29 | 4 42 | 5 55 | 0 56 | 3 55 | 4 42 | 19 5 | 0 11 | 8 16 | 2 33 | 22 9 | 0 27 | 8 30 | 0 29 | 15 26 | 7 43 | 22 0 | 21 56 | 16 14 | 3 25 | 6 21 |
| M20 | 12 4 | 17 49 | 2 25 | 9 50 | 4 33 | 6 24 | 1 2 | 3 59 | 4 44 | 19 2 | 0 11 | 8 16 | 2 34 | 22 10 | 0 27 | 8 31 | 0 29 | 15 26 | 7 42 | 21 59 | 21 56 | 16 15 | 3 26 | 6 21 |
| T 21 | 11 44 | 20 10 | 1 28 | 10 11 | 4 22 | 6 52 | 1 8 | 4 3 | 4 45 | 18 59 | 0 11 | 8 15 | 2 34 | 22 10 | 0 27 | 8 32 | 0 29 | 15 27 | 7 42 | 21 59 | 21 55 | 16 17 | 3 27 | 6 21 |
| W22 | 11 24 | 21 39 | 0 26 | 10 32 | 4 9 | 7 20 | 1 15 | 4 7 | 4 47 | 18 56 | 0 11 | 8 14 | 2 34 | 22 10 | 0 27 | 8 32 | 0 29 | 15 27 | 7 42 | 21 59 | 21 55 | 16 18 | 3 28 | 6 21 |
| T 23 | 11 4 | 22 10 | 0n38 | 10 52 | 3 56 | 7 48 | 1 21 | 4 11 | 4 48 | 18 52 | 0 12 | 8 13 | 2 34 | 22 10 | 0 27 | 8 33 | 0 29 | 15 27 | 7 42 | 21 59 | 21 54 | 16 20 | 3 30 | 6 21 |
| F 24 | 10 43 | 21 36 | 1 42 | 11 12 | 3 41 | 8 16 | 1 28 | 4 14 | 4 50 | 18 49 | 0 12 | 8 13 | 2 35 | 22 11 | 0 27 | 8 33 | 0 29 | 15 28 | 7 41 | 21 59 | 21 54 | 16 21 | 3 31 | 6 21 |
| S 25 | 10 23 | 19 57 | 2 42 | 11 31 | 3 26 | 8 44 | 1 34 | 4 17 | 4 51 | 18 46 | 0 12 | 8 12 | 2 35 | 22 11 | 0 27 | 8 34 | 0 29 | 15 28 | 7 41 | 21 58 | 21 54 | 16 23 | 3 32 | 6 21 |
| S 26 | 10 2 | 17 12 | 3 36 | 11 49 | 3 10 | 9 11 | 1 41 | 4 20 | 4 52 | 18 43 | 0 12 | 8 11 | 2 35 | 22 11 | 0 27 | 8 35 | 0 29 | 15 28 | 7 41 | 21 58 | 21 53 | 16 24 | 3 33 | 6 21 |
| M27 | 9 41 | 13 28 | 4 19 | 12 5 | 2 53 | 9 39 | 1 47 | 4 23 | 4 53 | 18 40 | 0 12 | 8 10 | 2 35 | 22 11 | 0 27 | 8 35 | 0 29 | 15 29 | 7 40 | 21 56 | 21 53 | 16 26 | 3 34 | 6 21 |
| T 28 | 9 20 | 8 54 | 4 48 | 12 19 | 2 36 | 10 6 | 1 54 | 4 25 | 4 55 | 18 37 | 0 12 | 8 9 | 2 36 | 22 12 | 0 27 | 8 36 | 0 29 | 15 29 | 7 40 | 21 55 | 21 52 | 16 27 | 3 35 | 6 21 |
| W29 | 8 59 | 3 46 | 5 0 | 12 31 | 2 18 | 10 33 | 2 1 | 4 28 | 4 56 | 18 34 | 0 12 | 8 8 | 2 36 | 22 12 | 0 27 | 8 37 | 0 29 | 15 29 | 7 40 | 21 53 | 21 52 | 16 29 | 3 37 | 6 21 |
| T 30 | 8 38 | 1n40 | 4 53 | 12 41 | 2 1 | 10 59 | 2 8 | 4 30 | 4 57 | 18 31 | 0 12 | 8 7 | 2 36 | 22 12 | 0 27 | 8 37 | 0 29 | 15 30 | 7 39 | 21 52 | 21 51 | 16 30 | 3 38 | 6 21 |
| F 31 | 8n16 | 7n 4 | 4n27 | 12n49 | 1s43 | 11s26 | 2s15 | 4n32 | 4s58 | 18n28 | 0n12 | 8n 6 | 2s36 | 22s12 | 0s27 | 8s38 | 0s29 | 15s30 | 7n39 | 21s50 | 21s51 | 16s32 | 3s39 | 6n21 |

Julian Day Number = 2816269.5, Delta T = 54m43s
Ecliptic obliquity = 23°18'33, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°43'10, Lahiri = 37°50'10


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# ASTRODIENST EPHEMERIS for the year 2998
# geocentric

## SEPTEMBER 2998 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 43 18 | 9♍38'05 | 22♈13 | 21♌30 | 25♎ 5 | 23♈49 | 7♌50 | 27°R30 | 20°R26 | 8°R53 | 6°R41 | 9°R57 | 10♐ 5 | 7♏28 | 5°R 7 | S 1 |
| S 2 | 22 47 15 | 10°35'45 | 6♉48 | 22°12 | 25°58 | 23°55 | 8° 2 | 27♈28 | 20♑25 | 8♓52 | 6♑41 | 9♐52 | 10° 2 | 7°35 | 5♓ 4 | S 2 |
| M 3 | 22 51 11 | 11°33'28 | 21°12 | 23° 2 | 26°50 | 24° 0 | 8°14 | 27°25 | 20°24 | 8°50 | 6°40 | 9°49 | 9°58 | 7°42 | 5° 1 | M 3 |
| T 4 | 22 55 8 | 12°31'12 | 5♊23 | 23°58 | 27°42 | 24° 4 | 8°27 | 27°23 | 20°22 | 8°48 | 6°40 | 9°49 | 9°55 | 7°48 | 4°58 | T 4 |
| W 5 | 22 59 4 | 13°28'57 | 19°18 | 25° 1 | 28°33 | 24° 8 | 8°39 | 27°20 | 20°21 | 8°47 | 6°39 | 9°49 | 9°52 | 7°55 | 4°55 | W 5 |
| T 6 | 23 3 1 | 14°26'45 | 2♋59 | 26°11 | 29°23 | 24°11 | 8°51 | 27°17 | 20°20 | 8°45 | 6°39 | 9°48 | 9°49 | 8° 2 | 4°52 | T 6 |
| F 7 | 23 6 58 | 15°24'33 | 16°26 | 27°26 | 0♏13 | 24°13 | 9° 3 | 27°15 | 20°19 | 8°43 | 6°39 | 9°45 | 9°46 | 8° 8 | 4°49 | F 7 |
| S 8 | 23 10 54 | 16°22'24 | 29°41 | 28°47 | 1° 2 | 24°14 | 9°15 | 27°12 | 20°18 | 8°42 | 6°38 | 9°40 | 9°42 | 8°15 | 4°46 | S 8 |
| S 9 | 23 14 51 | 17°20'16 | 12♌44 | 0♍13 | 1°50 | 24°R14 | 9°27 | 27° 9 | 20°17 | 8°40 | 6°38 | 9°32 | 9°39 | 8°22 | 4°43 | S 9 |
| M10 | 23 18 47 | 18°18'09 | 25°35 | 1°44 | 2°37 | 24°14 | 9°39 | 27° 6 | 20°16 | 8°39 | 6°38 | 9°21 | 9°36 | 8°28 | 4°40 | M10 |
| T 11 | 23 22 44 | 19°16'04 | 8♍15 | 3°20 | 3°24 | 24°12 | 9°51 | 27° 3 | 20°15 | 8°37 | 6°38 | 9° 9 | 9°33 | 8°35 | 4°37 | T 11 |
| W12 | 23 26 40 | 20°14'01 | 20°43 | 5° 0 | 4°10 | 24°10 | 10° 3 | 26°59 | 20°14 | 8°35 | 6°37 | 8°55 | 9°30 | 8°42 | 4°34 | W12 |
| T 13 | 23 30 37 | 21°11'59 | 3♎ 0 | 6°43 | 4°55 | 24° 7 | 10°15 | 26°56 | 20°14 | 8°34 | 6°37 | 8°43 | 9°27 | 8°48 | 4°31 | T 13 |
| F 14 | 23 34 33 | 22° 9'58 | 15° 7 | 8°30 | 5°39 | 24° 3 | 10°26 | 26°53 | 20°13 | 8°32 | 6°37 | 8°31 | 9°23 | 8°55 | 4°28 | F 14 |
| S 15 | 23 38 30 | 23° 7'59 | 27° 4 | 10°19 | 6°22 | 23°58 | 10°38 | 26°49 | 20°12 | 8°31 | 6°37 | 8°22 | 9°20 | 9° 2 | 4°25 | S 15 |
| S 16 | 23 42 27 | 24° 6'01 | 8♏55 | 12°10 | 7° 4 | 23°52 | 10°50 | 26°46 | 20°12 | 8°29 | 6°37 | 8°16 | 9°17 | 9° 8 | 4°22 | S 16 |
| M17 | 23 46 23 | 25° 4'05 | 20°42 | 14° 3 | 7°45 | 23°46 | 11° 1 | 26°42 | 20°11 | 8°27 | 6°D37 | 8°13 | 9°14 | 9°15 | 4°20 | M17 |
| T 18 | 23 50 20 | 26° 2'10 | 2♐29 | 15°57 | 8°25 | 23°39 | 11°12 | 26°39 | 20°10 | 8°26 | 6°37 | 8°11 | 9°11 | 9°22 | 4°17 | T 18 |
| W19 | 23 54 16 | 27° 0'16 | 14°23 | 17°52 | 9° 4 | 23°31 | 11°24 | 26°35 | 20°10 | 8°24 | 6°37 | 8°D11 | 9° 8 | 9°28 | 4°14 | W19 |
| T 20 | 23 58 13 | 27°58'24 | 26°26 | 19°48 | 9°42 | 23°22 | 11°35 | 26°31 | 20° 9 | 8°23 | 6°37 | 8°R12 | 9° 4 | 9°35 | 4°11 | T 20 |
| F 21 | 0 2 9 | 28°56'33 | 8♑46 | 21°45 | 10°19 | 23°12 | 11°46 | 26°27 | 20° 9 | 8°21 | 6°37 | 8°11 | 9° 1 | 9°42 | 4° 9 | F 21 |
| S 22 | 0 6 6 | 29°54'43 | 21°27 | 23°41 | 10°55 | 23° 2 | 11°57 | 26°23 | 20° 9 | 8°20 | 6°37 | 8° 9 | 8°58 | 9°48 | 4° 6 | S 22 |
| S 23 | 0 10 2 | 0♎52'55 | 4♒34 | 25°37 | 11°29 | 22°51 | 12° 8 | 26°19 | 20° 8 | 8°18 | 6°38 | 8° 5 | 8°55 | 9°55 | 4° 3 | S 23 |
| M24 | 0 13 59 | 1°51'09 | 18° 9 | 27°33 | 12° 2 | 22°40 | 12°19 | 26°15 | 20° 8 | 8°17 | 6°38 | 7°58 | 8°52 | 10° 2 | 4° 1 | M24 |
| T 25 | 0 17 56 | 2°49'23 | 2♓12 | 29°28 | 12°33 | 22°28 | 12°30 | 26°11 | 20° 8 | 8°15 | 6°38 | 7°50 | 8°48 | 10° 8 | 3°58 | T 25 |
| W26 | 0 21 52 | 3°47'40 | 16°41 | 1♎23 | 13° 3 | 22°15 | 12°40 | 26° 7 | 20° 8 | 8°14 | 6°38 | 7°40 | 8°45 | 10°15 | 3°56 | W26 |
| T 27 | 0 25 49 | 4°45'57 | 1♈31 | 3°16 | 13°32 | 22° 1 | 12°51 | 26° 3 | 20° 8 | 8°13 | 6°39 | 7°30 | 8°42 | 10°22 | 3°53 | T 27 |
| F 28 | 0 29 45 | 5°44'17 | 16°32 | 5° 9 | 13°59 | 21°47 | 13° 1 | 25°59 | 20°D 8 | 8°11 | 6°39 | 7°22 | 8°39 | 10°28 | 3°51 | F 28 |
| S 29 | 0 33 42 | 6°42'38 | 1♉36 | 7° 2 | 14°25 | 21°33 | 13°12 | 25°55 | 20° 8 | 8°10 | 6°39 | 7°15 | 8°36 | 10°35 | 3°48 | S 29 |
| S 30 | 0 37 38 | 7♎41'02 | 16♉32 | 8♎53 | 14♏48 | 21♈18 | 13♌22 | 25♈50 | 20♑ 8 | 8♓ 8 | 6♑40 | 7♐11 | 8♐33 | 10♏42 | 3♓46 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n55 | 12n 4 | 3n43 | 12n54 | 1s26 | 11s52 | 2s22 | 4n33 | 4s59 | 18n25 | 0n13 | 8n 5 | 2s37 | 22s12 | 0s27 | 8s38 | 0s29 | 15s30 | 7n39 | 21s49 | 21s50 | 16s33 | 3s40 | 6n21 |
| S 2 | 7 33 | 16 19 | 2 45 | 12 57 | 1 9 | 12 18 | 2 29 | 4 35 | 5 0 | 18 22 | 0 13 | 8 4 | 2 37 | 22 13 | 0 27 | 8 39 | 0 29 | 15 31 | 7 38 | 21 49 | 21 50 | 16 35 | 3 41 | 6 20 |
| M 3 | 7 11 | 19 31 | 1 37 | 12 57 | 0 52 | 12 44 | 2 37 | 4 36 | 5 0 | 18 19 | 0 13 | 8 3 | 2 37 | 22 13 | 0 27 | 8 40 | 0 29 | 15 31 | 7 38 | 21 48 | 21 49 | 16 36 | 3 43 | 6 20 |
| T 4 | 6 50 | 21 28 | 0 23 | 12 54 | 0 36 | 13 9 | 2 44 | 4 37 | 5 1 | 18 16 | 0 13 | 8 2 | 2 37 | 22 13 | 0 27 | 8 40 | 0 29 | 15 31 | 7 38 | 21 48 | 21 49 | 16 38 | 3 44 | 6 20 |
| W 5 | 6 28 | 22 3 | 0s50 | 12 48 | 0 20 | 13 34 | 2 51 | 4 37 | 5 2 | 18 13 | 0 13 | 8 1 | 2 37 | 22 13 | 0 27 | 8 41 | 0 29 | 15 32 | 7 37 | 21 48 | 21 49 | 16 39 | 3 45 | 6 20 |
| T 6 | 6 5 | 21 17 | 1 59 | 12 38 | 0 5 | 13 59 | 2 59 | 4 38 | 5 3 | 18 10 | 0 13 | 8 0 | 2 38 | 22 13 | 0 27 | 8 41 | 0 29 | 15 32 | 7 37 | 21 48 | 21 48 | 16 41 | 3 46 | 6 20 |
| F 7 | 5 43 | 19 19 | 3 1 | 12 26 | 0n 9 | 14 24 | 3 6 | 4 38 | 5 3 | 18 6 | 0 13 | 7 59 | 2 38 | 22 13 | 0 27 | 8 42 | 0 29 | 15 32 | 7 37 | 21 48 | 21 48 | 16 42 | 3 47 | 6 20 |
| S 8 | 5 21 | 16 20 | 3 51 | 12 11 | 0 22 | 14 48 | 3 14 | 4 38 | 5 3 | 18 3 | 0 13 | 7 57 | 2 38 | 22 14 | 0 27 | 8 43 | 0 29 | 15 33 | 7 36 | 21 47 | 21 47 | 16 44 | 3 49 | 6 20 |
| S 9 | 4 59 | 12 36 | 4 29 | 11 52 | 0 34 | 15 12 | 3 21 | 4 38 | 5 4 | 18 0 | 0 13 | 7 56 | 2 38 | 22 14 | 0 27 | 8 43 | 0 29 | 15 33 | 7 36 | 21 46 | 21 47 | 16 45 | 3 50 | 6 19 |
| M10 | 4 36 | 8 20 | 4 52 | 11 31 | 0 46 | 15 35 | 3 29 | 4 38 | 5 4 | 17 57 | 0 14 | 7 55 | 2 39 | 22 14 | 0 27 | 8 44 | 0 29 | 15 34 | 7 36 | 21 44 | 21 46 | 16 47 | 3 51 | 6 19 |
| T 11 | 4 14 | 3 47 | 5 0 | 11 6 | 0 56 | 15 59 | 3 37 | 4 37 | 5 4 | 17 54 | 0 14 | 7 54 | 2 39 | 22 14 | 0 27 | 8 45 | 0 29 | 15 34 | 7 35 | 21 42 | 21 46 | 16 48 | 3 52 | 6 19 |
| W12 | 3 51 | 0s51 | 4 54 | 10 39 | 1 6 | 16 21 | 3 44 | 4 36 | 5 4 | 17 51 | 0 14 | 7 52 | 2 39 | 22 14 | 0 27 | 8 45 | 0 29 | 15 34 | 7 35 | 21 40 | 21 45 | 16 49 | 3 53 | 6 19 |
| T 13 | 3 28 | 5 23 | 4 34 | 10 9 | 1 14 | 16 44 | 3 52 | 4 35 | 5 4 | 17 48 | 0 14 | 7 51 | 2 39 | 22 14 | 0 27 | 8 46 | 0 29 | 15 35 | 7 35 | 21 38 | 21 45 | 16 51 | 3 55 | 6 19 |
| F 14 | 3 5 | 9 39 | 4 2 | 9 36 | 1 22 | 17 6 | 4 0 | 4 34 | 5 4 | 17 45 | 0 14 | 7 50 | 2 39 | 22 14 | 0 27 | 8 46 | 0 29 | 15 35 | 7 34 | 21 36 | 21 44 | 16 52 | 3 56 | 6 19 |
| S 15 | 2 43 | 13 29 | 3 20 | 9 1 | 1 28 | 17 28 | 4 8 | 4 32 | 5 4 | 17 42 | 0 14 | 7 48 | 2 39 | 22 14 | 0 27 | 8 47 | 0 29 | 15 35 | 7 34 | 21 35 | 21 44 | 16 54 | 3 57 | 6 18 |
| S 16 | 2 20 | 16 45 | 2 29 | 8 24 | 1 34 | 17 49 | 4 16 | 4 31 | 5 3 | 17 39 | 0 14 | 7 47 | 2 40 | 22 14 | 0 27 | 8 48 | 0 29 | 15 36 | 7 34 | 21 34 | 21 43 | 16 55 | 3 58 | 6 18 |
| M17 | 1 57 | 19 18 | 1 32 | 7 45 | 1 38 | 18 10 | 4 23 | 4 29 | 5 3 | 17 36 | 0 14 | 7 45 | 2 40 | 22 14 | 0 27 | 8 48 | 0 29 | 15 36 | 7 33 | 21 33 | 21 43 | 16 56 | 4 0 | 6 18 |
| T 18 | 1 34 | 21 2 | 0 30 | 7 4 | 1 42 | 18 31 | 4 31 | 4 27 | 5 2 | 17 33 | 0 15 | 7 44 | 2 40 | 22 15 | 0 27 | 8 49 | 0 29 | 15 36 | 7 33 | 21 33 | 21 42 | 16 58 | 4 1 | 6 18 |
| W19 | 1 11 | 21 51 | 0n33 | 6 22 | 1 44 | 18 51 | 4 39 | 4 25 | 5 1 | 17 30 | 0 15 | 7 42 | 2 40 | 22 15 | 0 27 | 8 49 | 0 29 | 15 37 | 7 33 | 21 33 | 21 42 | 16 59 | 4 2 | 6 17 |
| T 20 | 0 48 | 21 40 | 1 36 | 5 39 | 1 46 | 19 11 | 4 47 | 4 22 | 5 0 | 17 27 | 0 15 | 7 41 | 2 40 | 22 15 | 0 27 | 8 50 | 0 29 | 15 37 | 7 32 | 21 33 | 21 41 | 17 1 | 4 3 | 6 17 |
| F 21 | 0 25 | 20 26 | 2 35 | 4 54 | 1 47 | 19 30 | 4 55 | 4 20 | 4 59 | 17 24 | 0 15 | 7 39 | 2 40 | 22 15 | 0 27 | 8 50 | 0 29 | 15 37 | 7 32 | 21 33 | 21 41 | 17 2 | 4 4 | 6 17 |
| S 22 | 0 2 | 18 10 | 3 29 | 4 8 | 1 47 | 19 48 | 5 3 | 4 17 | 4 58 | 17 21 | 0 15 | 7 38 | 2 41 | 22 15 | 0 27 | 8 51 | 0 29 | 15 38 | 7 32 | 21 33 | 21 40 | 17 3 | 4 6 | 6 17 |
| S 23 | 0s21 | 14 54 | 4 14 | 3 22 | 1 47 | 20 7 | 5 10 | 4 14 | 4 57 | 17 18 | 0 15 | 7 36 | 2 41 | 22 15 | 0 27 | 8 52 | 0 29 | 15 38 | 7 31 | 21 32 | 21 40 | 17 5 | 4 7 | 6 17 |
| M24 | 0 44 | 10 46 | 4 46 | 2 35 | 1 45 | 20 24 | 5 18 | 4 11 | 4 55 | 17 15 | 0 15 | 7 35 | 2 41 | 22 15 | 0 27 | 8 52 | 0 29 | 15 38 | 7 31 | 21 31 | 21 39 | 17 6 | 4 8 | 6 16 |
| T 25 | 1 7 | 5 55 | 5 2 | 1 48 | 1 44 | 20 42 | 5 26 | 4 9 | 4 54 | 17 13 | 0 15 | 7 33 | 2 41 | 22 15 | 0 27 | 8 53 | 0 29 | 15 39 | 7 31 | 21 30 | 21 39 | 17 8 | 4 9 | 6 16 |
| W26 | 1 30 | 0 37 | 5 0 | 1 0 | 1 41 | 20 58 | 5 34 | 4 5 | 4 52 | 17 10 | 0 16 | 7 32 | 2 41 | 22 15 | 0 27 | 8 53 | 0 29 | 15 39 | 7 30 | 21 28 | 21 38 | 17 9 | 4 10 | 6 16 |
| T 27 | 1 53 | 4n51 | 4 38 | 0 13 | 1 38 | 21 14 | 5 41 | 4 2 | 4 50 | 17 7 | 0 16 | 7 30 | 2 41 | 22 15 | 0 27 | 8 54 | 0 29 | 15 39 | 7 30 | 21 27 | 21 38 | 17 10 | 4 11 | 6 15 |
| F 28 | 2 16 | 10 6 | 3 56 | 0s35 | 1 35 | 21 30 | 5 49 | 3 59 | 4 48 | 17 4 | 0 16 | 7 28 | 2 41 | 22 15 | 0 26 | 8 54 | 0 29 | 15 40 | 7 29 | 21 25 | 21 38 | 17 12 | 4 13 | 6 15 |
| S 29 | 2 39 | 14 45 | 2 58 | 1 23 | 1 31 | 21 44 | 5 56 | 3 56 | 4 46 | 17 1 | 0 16 | 7 27 | 2 42 | 22 15 | 0 26 | 8 55 | 0 29 | 15 40 | 7 29 | 21 24 | 21 37 | 17 13 | 4 14 | 6 15 |
| S 30 | 3s 2 | 18n25 | 1n48 | 2s10 | 1n27 | 21s59 | 6s 4 | 3n52 | 4s44 | 16n58 | 0n16 | 7n25 | 2s42 | 22s15 | 0s26 | 8s55 | 0s29 | 15s40 | 7n29 | 21s24 | 21s37 | 17s14 | 4s15 | 6n15 |

Julian Day Number = 2816300.5, Delta T = 54m43s
Ecliptic obliquity = 23°18'33, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°43'14, Lahiri = 37°50'14


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# ASTRODIENST EPHEMERIS for the year 2998
# geocentric

## OCTOBER 2998 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 0 41 35 | 8♎39'27 | 1♊15 | 10♎43 | 15♏10 | 21°R 3 | 13♌32 | 25°R46 | 20♑ 8 | 8°R 7 | 6♑40 | 7°D10 | 8♐29 | 10♏48 | 3°R43 | M 1 |
| T 2 | 0 45 31 | 9°37'55 | 15°38 | 12°32 | 15°31 | 20♈47 | 13°43 | 25♈42 | 20° 8 | 8♓ 6 | 6°41 | 7♐10 | 8°26 | 10°55 | 3♓41 | T 2 |
| W 3 | 0 49 28 | 10°36'25 | 29°40 | 14°20 | 15°49 | 20°31 | 13°53 | 25°37 | 20° 8 | 8° 4 | 6°41 | 7°11 | 8°23 | 11° 2 | 3°39 | W 3 |
| T 4 | 0 53 24 | 11°34'57 | 13♋21 | 16° 8 | 16° 6 | 20°14 | 14° 3 | 25°33 | 20° 8 | 8° 3 | 6°42 | 7°R11 | 8°20 | 11° 8 | 3°37 | T 4 |
| F 5 | 0 57 21 | 12°33'31 | 26°43 | 17°54 | 16°21 | 19°57 | 14°12 | 25°28 | 20° 9 | 8° 2 | 6°42 | 7°10 | 8°17 | 11°15 | 3°34 | F 5 |
| S 6 | 1 1 18 | 13°32'07 | 9♌46 | 19°39 | 16°33 | 19°40 | 14°22 | 25°24 | 20° 9 | 8° 0 | 6°43 | 7° 7 | 8°13 | 11°22 | 3°32 | S 6 |
| S 7 | 1 5 14 | 14°30'45 | 22°34 | 21°23 | 16°44 | 19°23 | 14°32 | 25°19 | 20°10 | 7°59 | 6°44 | 7° 2 | 8°10 | 11°28 | 3°30 | S 7 |
| M 8 | 1 9 11 | 15°29'25 | 5♍ 9 | 23° 6 | 16°52 | 19° 6 | 14°41 | 25°15 | 20°10 | 7°58 | 6°44 | 6°54 | 8° 7 | 11°35 | 3°28 | M 8 |
| T 9 | 1 13 7 | 16°28'08 | 17°33 | 24°48 | 16°59 | 18°49 | 14°51 | 25°10 | 20°10 | 7°57 | 6°45 | 6°45 | 8° 4 | 11°42 | 3°26 | T 9 |
| W10 | 1 17 4 | 17°26'52 | 29°46 | 26°30 | 17° 3 | 18°31 | 15° 0 | 25° 5 | 20°11 | 7°56 | 6°46 | 6°36 | 8° 1 | 11°48 | 3°24 | W10 |
| T 11 | 1 21 0 | 18°25'38 | 11♎51 | 28°10 | 17°R 5 | 18°14 | 15° 9 | 25° 1 | 20°12 | 7°54 | 6°46 | 6°27 | 7°58 | 11°55 | 3°22 | T 11 |
| F 12 | 1 24 57 | 19°24'26 | 23°49 | 29°49 | 17° 4 | 17°57 | 15°18 | 24°56 | 20°12 | 7°53 | 6°47 | 6°19 | 7°54 | 12° 2 | 3°20 | F 12 |
| S 13 | 1 28 53 | 20°23'17 | 5♏40 | 1♏28 | 17° 1 | 17°39 | 15°27 | 24°51 | 20°13 | 7°52 | 6°48 | 6°12 | 7°51 | 12° 8 | 3°19 | S 13 |
| S 14 | 1 32 50 | 21°22'09 | 17°28 | 3° 5 | 16°56 | 17°22 | 15°36 | 24°47 | 20°14 | 7°51 | 6°49 | 6° 8 | 7°48 | 12°15 | 3°17 | S 14 |
| M15 | 1 36 47 | 22°21'03 | 29°15 | 4°42 | 16°48 | 17° 6 | 15°45 | 24°42 | 20°15 | 7°50 | 6°50 | 6° 6 | 7°45 | 12°22 | 3°15 | M15 |
| T 16 | 1 40 43 | 23°19'59 | 11♐ 3 | 6°17 | 16°38 | 16°49 | 15°53 | 24°37 | 20°16 | 7°49 | 6°51 | 6°D 6 | 7°42 | 12°28 | 3°14 | T 16 |
| W17 | 1 44 40 | 24°18'56 | 22°56 | 7°52 | 16°26 | 16°33 | 16° 2 | 24°33 | 20°16 | 7°48 | 6°52 | 6° 7 | 7°39 | 12°35 | 3°12 | W17 |
| T 18 | 1 48 36 | 25°17'56 | 5♑ 0 | 9°26 | 16°11 | 16°17 | 16°10 | 24°28 | 20°17 | 7°47 | 6°53 | 6° 9 | 7°35 | 12°42 | 3°11 | T 18 |
| F 19 | 1 52 33 | 26°16'57 | 17°18 | 10°59 | 15°54 | 16° 2 | 16°18 | 24°23 | 20°18 | 7°46 | 6°54 | 6°10 | 7°32 | 12°48 | 3° 9 | F 19 |
| S 20 | 1 56 29 | 27°15'59 | 29°56 | 12°32 | 15°34 | 15°47 | 16°26 | 24°19 | 20°20 | 7°45 | 6°55 | 6°R11 | 7°29 | 12°55 | 3° 8 | S 20 |
| S 21 | 2 0 26 | 28°15'04 | 12♒57 | 14° 3 | 15°13 | 15°33 | 16°34 | 24°14 | 20°21 | 7°44 | 6°56 | 6° 9 | 7°26 | 13° 2 | 3° 6 | S 21 |
| M22 | 2 4 22 | 29°14'10 | 26°26 | 15°34 | 14°49 | 15°19 | 16°42 | 24° 9 | 20°22 | 7°43 | 6°57 | 6° 7 | 7°23 | 13° 8 | 3° 5 | M22 |
| T 23 | 2 8 19 | 0♏13'17 | 10♓24 | 17° 4 | 14°23 | 15° 5 | 16°50 | 24° 5 | 20°23 | 7°43 | 6°58 | 6° 3 | 7°19 | 13°15 | 3° 4 | T 23 |
| W24 | 2 12 16 | 1°12'27 | 24°50 | 18°33 | 13°55 | 14°53 | 16°57 | 24° 0 | 20°24 | 7°42 | 6°59 | 5°58 | 7°16 | 13°21 | 3° 3 | W24 |
| T 25 | 2 16 12 | 2°11'38 | 9♈40 | 20° 2 | 13°25 | 14°41 | 17° 5 | 23°55 | 20°26 | 7°41 | 7° 0 | 5°53 | 7°13 | 13°28 | 3° 2 | T 25 |
| F 26 | 2 20 9 | 3°10'51 | 24°47 | 21°29 | 12°54 | 14°29 | 17°12 | 23°51 | 20°27 | 7°40 | 7° 1 | 5°48 | 7°10 | 13°35 | 3° 0 | F 26 |
| S 27 | 2 24 5 | 4°10'06 | 10♉ 2 | 22°56 | 12°21 | 14°18 | 17°19 | 23°46 | 20°28 | 7°39 | 7° 3 | 5°45 | 7° 7 | 13°41 | 2°59 | S 27 |
| S 28 | 2 28 2 | 5° 9'23 | 25°14 | 24°22 | 11°47 | 14° 8 | 17°26 | 23°42 | 20°30 | 7°39 | 7° 4 | 5°43 | 7° 4 | 13°48 | 2°59 | S 28 |
| M29 | 2 31 58 | 6° 8'43 | 10♊13 | 25°47 | 11°12 | 13°59 | 17°33 | 23°37 | 20°31 | 7°38 | 7° 5 | 5°D43 | 7° 0 | 13°55 | 2°58 | M29 |
| T 30 | 2 35 55 | 7° 8'04 | 24°54 | 27°11 | 10°36 | 13°50 | 17°40 | 23°33 | 20°33 | 7°37 | 7° 6 | 5°44 | 6°57 | 14° 1 | 2°57 | T 30 |
| W31 | 2 39 51 | 8♏ 7'28 | 9♋10 | 28♏34 | 10♏ 0 | 13♈42 | 17♌46 | 23♈28 | 20♑35 | 7♓37 | 7♑ 8 | 5♐45 | 6♐54 | 14♏ 8 | 2♓56 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 3s25 | 20n49 | 0n32 | 2s58 | 1n22 | 22s12 | 6s11 | 3n49 | 4s41 | 16n56 | 0n16 | 7n23 | 2s42 | 22s15 | 0s26 | 8s56 | 0s29 | 15s41 | 7n28 | 21s23 | 21s36 | 17s16 | 4s16 | 6n14 |
| T 2 | 3 48 | 21 47 | 0s45 | 3 45 | 1 17 | 22 25 | 6 18 | 3 46 | 4 39 | 16 53 | 0 16 | 7 22 | 2 42 | 22 15 | 0 26 | 8 56 | 0 29 | 15 41 | 7 28 | 21 23 | 21 36 | 17 17 | 4 17 | 6 14 |
| W 3 | 4 11 | 21 21 | 1 58 | 4 31 | 1 12 | 22 37 | 6 25 | 3 42 | 4 36 | 16 50 | 0 16 | 7 20 | 2 42 | 22 15 | 0 26 | 8 57 | 0 29 | 15 41 | 7 28 | 21 23 | 21 35 | 17 18 | 4 18 | 6 14 |
| T 4 | 4 33 | 19 38 | 3 2 | 5 18 | 1 6 | 22 48 | 6 31 | 3 39 | 4 33 | 16 47 | 0 17 | 7 18 | 2 42 | 22 15 | 0 26 | 8 57 | 0 29 | 15 42 | 7 27 | 21 23 | 21 35 | 17 20 | 4 19 | 6 13 |
| F 5 | 4 56 | 16 52 | 3 54 | 6 3 | 1 0 | 22 59 | 6 38 | 3 35 | 4 30 | 16 45 | 0 17 | 7 17 | 2 42 | 22 15 | 0 26 | 8 58 | 0 29 | 15 42 | 7 27 | 21 23 | 21 34 | 17 21 | 4 20 | 6 13 |
| S 6 | 5 19 | 13 19 | 4 33 | 6 49 | 0 54 | 23 9 | 6 44 | 3 32 | 4 27 | 16 42 | 0 17 | 7 15 | 2 42 | 22 14 | 0 26 | 8 58 | 0 29 | 15 42 | 7 27 | 21 23 | 21 34 | 17 22 | 4 21 | 6 13 |
| S 7 | 5 41 | 9 14 | 4 57 | 7 33 | 0 48 | 23 18 | 6 50 | 3 28 | 4 24 | 16 39 | 0 17 | 7 13 | 2 42 | 22 14 | 0 26 | 8 59 | 0 29 | 15 43 | 7 26 | 21 22 | 21 33 | 17 24 | 4 22 | 6 12 |
| M 8 | 6 4 | 4 49 | 5 6 | 8 17 | 0 41 | 23 26 | 6 56 | 3 25 | 4 20 | 16 37 | 0 17 | 7 12 | 2 42 | 22 14 | 0 26 | 8 59 | 0 29 | 15 43 | 7 26 | 21 21 | 21 33 | 17 25 | 4 23 | 6 12 |
| T 9 | 6 26 | 0 16 | 5 1 | 9 1 | 0 35 | 23 33 | 7 2 | 3 22 | 4 17 | 16 34 | 0 17 | 7 10 | 2 42 | 22 14 | 0 26 | 9 0 | 0 29 | 15 43 | 7 26 | 21 19 | 21 32 | 17 26 | 4 24 | 6 12 |
| W10 | 6 49 | 4s14 | 4 42 | 9 44 | 0 28 | 23 39 | 7 7 | 3 19 | 4 13 | 16 32 | 0 17 | 7 8 | 2 42 | 22 14 | 0 26 | 9 0 | 0 29 | 15 43 | 7 25 | 21 18 | 21 32 | 17 28 | 4 25 | 6 11 |
| T 11 | 7 11 | 8 31 | 4 11 | 10 26 | 0 21 | 23 44 | 7 12 | 3 16 | 4 9 | 16 29 | 0 18 | 7 6 | 2 43 | 22 14 | 0 26 | 9 0 | 0 29 | 15 44 | 7 25 | 21 16 | 21 31 | 17 29 | 4 26 | 6 11 |
| F 12 | 7 33 | 12 25 | 3 28 | 11 7 | 0 14 | 23 48 | 7 16 | 3 13 | 4 6 | 16 26 | 0 18 | 7 5 | 2 43 | 22 14 | 0 26 | 9 1 | 0 29 | 15 44 | 7 25 | 21 15 | 21 31 | 17 30 | 4 27 | 6 11 |
| S 13 | 7 55 | 15 49 | 2 37 | 11 48 | 0 7 | 23 51 | 7 20 | 3 10 | 4 2 | 16 24 | 0 18 | 7 3 | 2 43 | 22 14 | 0 26 | 9 1 | 0 29 | 15 44 | 7 24 | 21 14 | 21 30 | 17 32 | 4 28 | 6 10 |
| S 14 | 8 17 | 18 33 | 1 39 | 12 28 | 0 0 | 23 53 | 7 24 | 3 7 | 3 57 | 16 22 | 0 18 | 7 1 | 2 43 | 22 14 | 0 26 | 9 2 | 0 29 | 15 45 | 7 24 | 21 13 | 21 29 | 17 33 | 4 29 | 6 10 |
| M15 | 8 39 | 20 29 | 0 37 | 13 7 | 0s 7 | 23 54 | 7 27 | 3 5 | 3 53 | 16 19 | 0 18 | 7 0 | 2 43 | 22 13 | 0 26 | 9 2 | 0 29 | 15 45 | 7 24 | 21 13 | 21 29 | 17 34 | 4 30 | 6 9 |
| T 16 | 9 1 | 21 32 | 0n27 | 13 46 | 0 14 | 23 53 | 7 29 | 3 3 | 3 49 | 16 17 | 0 18 | 6 58 | 2 43 | 22 13 | 0 26 | 9 2 | 0 29 | 15 45 | 7 23 | 21 13 | 21 28 | 17 35 | 4 31 | 6 9 |
| W17 | 9 23 | 21 37 | 1 30 | 14 24 | 0 21 | 23 51 | 7 31 | 3 0 | 3 45 | 16 14 | 0 18 | 6 56 | 2 43 | 22 13 | 0 26 | 9 3 | 0 29 | 15 45 | 7 23 | 21 13 | 21 28 | 17 37 | 4 32 | 6 9 |
| T 18 | 9 44 | 20 42 | 2 31 | 15 0 | 0 28 | 23 48 | 7 32 | 2 59 | 3 40 | 16 12 | 0 19 | 6 54 | 2 43 | 22 13 | 0 26 | 9 3 | 0 29 | 15 46 | 7 23 | 21 13 | 21 27 | 17 38 | 4 33 | 6 8 |
| F 19 | 10 5 | 18 48 | 3 26 | 15 36 | 0 36 | 23 44 | 7 33 | 2 57 | 3 36 | 16 10 | 0 19 | 6 53 | 2 43 | 22 13 | 0 26 | 9 4 | 0 29 | 15 46 | 7 22 | 21 13 | 21 27 | 17 39 | 4 34 | 6 8 |
| S 20 | 10 27 | 15 57 | 4 12 | 16 12 | 0 43 | 23 38 | 7 33 | 2 55 | 3 31 | 16 7 | 0 19 | 6 51 | 2 43 | 22 13 | 0 26 | 9 4 | 0 29 | 15 46 | 7 22 | 21 13 | 21 26 | 17 40 | 4 35 | 6 7 |
| S 21 | 10 48 | 12 15 | 4 47 | 16 46 | 0 50 | 23 31 | 7 33 | 2 54 | 3 27 | 16 5 | 0 19 | 6 49 | 2 43 | 22 13 | 0 26 | 9 4 | 0 29 | 15 47 | 7 22 | 21 13 | 21 26 | 17 42 | 4 36 | 6 7 |
| M22 | 11 9 | 7 49 | 5 8 | 17 19 | 0 57 | 23 22 | 7 31 | 2 53 | 3 22 | 16 3 | 0 19 | 6 48 | 2 43 | 22 12 | 0 26 | 9 5 | 0 29 | 15 47 | 7 21 | 21 13 | 21 25 | 17 43 | 4 36 | 6 7 |
| T 23 | 11 29 | 2 49 | 5 11 | 17 52 | 1 4 | 23 12 | 7 29 | 2 52 | 3 18 | 16 1 | 0 19 | 6 46 | 2 43 | 22 12 | 0 26 | 9 5 | 0 29 | 15 47 | 7 21 | 21 12 | 21 25 | 17 44 | 4 37 | 6 6 |
| W24 | 11 50 | 2n29 | 4 55 | 18 23 | 1 11 | 23 1 | 7 26 | 2 52 | 3 13 | 15 59 | 0 19 | 6 44 | 2 43 | 22 12 | 0 26 | 9 5 | 0 29 | 15 47 | 7 21 | 21 11 | 21 24 | 17 45 | 4 38 | 6 6 |
| T 25 | 12 10 | 7 47 | 4 20 | 18 54 | 1 18 | 22 48 | 7 22 | 2 51 | 3 8 | 15 57 | 0 20 | 6 43 | 2 43 | 22 12 | 0 26 | 9 5 | 0 29 | 15 48 | 7 21 | 21 10 | 21 24 | 17 47 | 4 39 | 6 5 |
| F 26 | 12 30 | 12 44 | 3 26 | 19 24 | 1 24 | 22 34 | 7 18 | 2 51 | 3 3 | 15 55 | 0 20 | 6 41 | 2 43 | 22 11 | 0 26 | 9 6 | 0 29 | 15 48 | 7 20 | 21 9 | 21 23 | 17 48 | 4 40 | 6 5 |
| S 27 | 12 50 | 16 54 | 2 16 | 19 52 | 1 31 | 22 19 | 7 12 | 2 52 | 2 59 | 15 53 | 0 20 | 6 39 | 2 42 | 22 11 | 0 26 | 9 6 | 0 29 | 15 48 | 7 20 | 21 9 | 21 23 | 17 49 | 4 40 | 6 5 |
| S 28 | 13 10 | 19 54 | 0 57 | 20 20 | 1 38 | 22 2 | 7 6 | 2 52 | 2 54 | 15 51 | 0 20 | 6 38 | 2 42 | 22 11 | 0 26 | 9 6 | 0 29 | 15 48 | 7 20 | 21 9 | 21 22 | 17 50 | 4 41 | 6 4 |
| M29 | 13 30 | 21 27 | 0s25 | 20 47 | 1 44 | 21 44 | 6 59 | 2 53 | 2 49 | 15 49 | 0 20 | 6 36 | 2 42 | 22 11 | 0 26 | 9 6 | 0 29 | 15 49 | 7 19 | 21 8 | 21 22 | 17 52 | 4 42 | 6 4 |
| T 30 | 13 49 | 21 29 | 1 44 | 21 13 | 1 50 | 21 25 | 6 51 | 2 54 | 2 45 | 15 47 | 0 20 | 6 35 | 2 42 | 22 11 | 0 26 | 9 7 | 0 29 | 15 49 | 7 19 | 21 9 | 21 21 | 17 53 | 4 42 | 6 3 |
| W31 | 14s 8 | 20n 6 | 2s54 | 21s37 | 1s56 | 21s 5 | 6s42 | 2n55 | 2s40 | 15n45 | 0n21 | 6n33 | 2s42 | 22s10 | 0s26 | 9s 7 | 0s29 | 15s49 | 7n19 | 21s 9 | 21s21 | 17s54 | 4s43 | 6n 3 |

Julian Day Number = 2816330.5, Delta T = 54m44s
Ecliptic obliquity = 23°18'33, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°43'18, Lahiri = 37°50'19


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# ASTRODIENST EPHEMERIS for the year 2998
# geocentric

## NOVEMBER 2998 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 43 48 | 9♏ 6'54 | 23♋ 1 | 29♏56 | 9°R23 | 13°R35 | 17♌52 | 23°R24 | 20♉36 | 7°R36 | 7♉ 9 | 5♐46 | 6♐51 | 14♏15 | 2°R55 | T 1 |
| F 2 | 2 47 45 | 10° 6'22 | 6♌26 | 1♐18 | 8♏46 | 13♈28 | 17°59 | 23♈19 | 20°38 | 7♓36 | 7°11 | 5°R47 | 6°48 | 14°21 | 2♓55 | F 2 |
| S 3 | 2 51 41 | 11° 5'53 | 19°29 | 2°38 | 8°10 | 13°23 | 18° 5 | 23°15 | 20°40 | 7°35 | 7°12 | 5°47 | 6°45 | 14°28 | 2°54 | S 3 |
| S 4 | 2 55 38 | 12° 5'25 | 2♍12 | 3°57 | 7°33 | 13°18 | 18°11 | 23°11 | 20°41 | 7°35 | 7°13 | 5°46 | 6°41 | 14°35 | 2°54 | S 4 |
| M 5 | 2 59 34 | 13° 5'00 | 14°38 | 5°15 | 6°58 | 13°13 | 18°16 | 23° 6 | 20°43 | 7°34 | 7°15 | 5°43 | 6°38 | 14°41 | 2°53 | M 5 |
| T 6 | 3 3 31 | 14° 4'37 | 26°51 | 6°32 | 6°23 | 13°10 | 18°22 | 23° 2 | 20°45 | 7°34 | 7°16 | 5°40 | 6°35 | 14°48 | 2°53 | T 6 |
| W 7 | 3 7 27 | 15° 4'16 | 8♎54 | 7°47 | 5°50 | 13° 7 | 18°27 | 22°58 | 20°47 | 7°33 | 7°18 | 5°37 | 6°32 | 14°55 | 2°53 | W 7 |
| T 8 | 3 11 24 | 16° 3'58 | 20°49 | 9° 1 | 5°17 | 13° 6 | 18°33 | 22°54 | 20°49 | 7°33 | 7°19 | 5°33 | 6°29 | 15° 1 | 2°52 | T 8 |
| F 9 | 3 15 20 | 17° 3'41 | 2♏40 | 10°13 | 4°47 | 13° 5 | 18°38 | 22°50 | 20°51 | 7°33 | 7°21 | 5°30 | 6°25 | 15° 8 | 2°52 | F 9 |
| S 10 | 3 19 17 | 18° 3'26 | 14°28 | 11°24 | 4°18 | 13°D 5 | 18°43 | 22°46 | 20°53 | 7°32 | 7°23 | 5°28 | 6°22 | 15°15 | 2°52 | S 10 |
| S 11 | 3 23 14 | 19° 3'14 | 26°16 | 12°32 | 3°50 | 13° 5 | 18°47 | 22°42 | 20°55 | 7°32 | 7°24 | 5°27 | 6°19 | 15°21 | 2°D52 | S 11 |
| M12 | 3 27 10 | 20° 3'03 | 8♐ 5 | 13°39 | 3°25 | 13° 7 | 18°52 | 22°38 | 20°57 | 7°32 | 7°26 | 5°D27 | 6°16 | 15°28 | 2°52 | M12 |
| T 13 | 3 31 7 | 21° 2'54 | 19°58 | 14°43 | 3° 2 | 13° 9 | 18°56 | 22°34 | 21° 0 | 7°32 | 7°28 | 5°27 | 6°13 | 15°35 | 2°52 | T 13 |
| W14 | 3 35 3 | 22° 2'47 | 1♑58 | 15°44 | 2°41 | 13°12 | 19° 1 | 22°30 | 21° 2 | 7°32 | 7°29 | 5°28 | 6°10 | 15°41 | 2°52 | W14 |
| T 15 | 3 39 0 | 23° 2'42 | 14° 7 | 16°43 | 2°23 | 13°16 | 19° 5 | 22°27 | 21° 4 | 7°31 | 7°31 | 5°30 | 6° 6 | 15°48 | 2°52 | T 15 |
| F 16 | 3 42 56 | 24° 2'38 | 26°29 | 17°38 | 2° 6 | 13°20 | 19° 9 | 22°23 | 21° 6 | 7°31 | 7°33 | 5°31 | 6° 3 | 15°55 | 2°53 | F 16 |
| S 17 | 3 46 53 | 25° 2'36 | 9♒ 7 | 18°30 | 1°52 | 13°26 | 19°12 | 22°19 | 21° 9 | 7°31 | 7°34 | 5°32 | 6° 0 | 16° 1 | 2°53 | S 17 |
| S 18 | 3 50 49 | 26° 2'35 | 22° 5 | 19°18 | 1°41 | 13°32 | 19°16 | 22°16 | 21°11 | 7°D31 | 7°36 | 5°R32 | 5°57 | 16° 8 | 2°53 | S 18 |
| M19 | 3 54 46 | 27° 2'36 | 5♓26 | 20° 1 | 1°32 | 13°39 | 19°19 | 22°12 | 21°14 | 7°31 | 7°38 | 5°32 | 5°54 | 16°15 | 2°54 | M19 |
| T 20 | 3 58 43 | 28° 2'38 | 19°12 | 20°39 | 1°25 | 13°46 | 19°22 | 22° 9 | 21°16 | 7°31 | 7°40 | 5°32 | 5°50 | 16°21 | 2°54 | T 20 |
| W21 | 4 2 39 | 29° 2'42 | 3♈24 | 21°12 | 1°21 | 13°55 | 19°25 | 22° 6 | 21°19 | 7°31 | 7°42 | 5°31 | 5°47 | 16°28 | 2°55 | W21 |
| T 22 | 4 6 36 | 0♐ 2'47 | 18° 0 | 21°38 | 1°D20 | 14° 4 | 19°28 | 22° 3 | 21°21 | 7°31 | 7°44 | 5°30 | 5°44 | 16°34 | 2°56 | T 22 |
| F 23 | 4 10 32 | 1° 2'54 | 2♉55 | 21°58 | 1°21 | 14°13 | 19°31 | 22° 0 | 21°24 | 7°32 | 7°45 | 5°30 | 5°41 | 16°41 | 2°56 | F 23 |
| S 24 | 4 14 29 | 2° 3'03 | 18° 3 | 22°10 | 1°24 | 14°24 | 19°33 | 21°56 | 21°26 | 7°32 | 7°47 | 5°29 | 5°38 | 16°48 | 2°57 | S 24 |
| S 25 | 4 18 25 | 3° 3'13 | 3♊14 | 22°R14 | 1°29 | 14°35 | 19°35 | 21°54 | 21°29 | 7°32 | 7°49 | 5°D29 | 5°35 | 16°54 | 2°58 | S 25 |
| M26 | 4 22 22 | 4° 3'25 | 18°20 | 22°10 | 1°37 | 14°47 | 19°37 | 21°51 | 21°32 | 7°32 | 7°51 | 5°29 | 5°31 | 17° 1 | 2°59 | M26 |
| T 27 | 4 26 18 | 5° 3'39 | 3♋11 | 21°55 | 1°47 | 14°59 | 19°39 | 21°48 | 21°34 | 7°33 | 7°53 | 5°R29 | 5°28 | 17° 8 | 3° 0 | T 27 |
| W28 | 4 30 15 | 6° 3'55 | 17°40 | 21°31 | 2° 0 | 15°12 | 19°41 | 21°45 | 21°37 | 7°33 | 7°55 | 5°29 | 5°25 | 17°14 | 3° 1 | W28 |
| T 29 | 4 34 12 | 7° 4'12 | 1♌43 | 20°57 | 2°14 | 15°26 | 19°42 | 21°43 | 21°40 | 7°33 | 7°57 | 5°29 | 5°22 | 17°21 | 3° 2 | T 29 |
| F 30 | 4 38 8 | 8♐ 4'32 | 15♌18 | 20♐12 | 2♏31 | 15♈40 | 19♌44 | 21♈40 | 21♉43 | 7♓34 | 7♉59 | 5♐29 | 5♐19 | 17♏28 | 3♓ 3 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s27 | 17n33 | 3s51 | 22s 1 | 2s 2 | 20s44 | 6s33 | 2n57 | 2s35 | 15n43 | 0n21 | 6n31 | 2s42 | 22s10 | 0s26 | 9s 7 | 0s29 | 15s49 | 7n18 | 21s 9 | 21s20 | 17s55 | 4s44 | 6n 3 |
| F 2 | 14 46 | 14 7 | 4 35 | 22 24 | 2 8 | 20 23 | 6 22 | 2 59 | 2 30 | 15 42 | 0 21 | 6 30 | 2 42 | 22 10 | 0 26 | 9 7 | 0 29 | 15 49 | 7 18 | 21 9 | 21 20 | 17 56 | 4 44 | 6 2 |
| S 3 | 15 5 | 10 6 | 5 2 | 22 45 | 2 13 | 20 0 | 6 11 | 3 1 | 2 26 | 15 40 | 0 21 | 6 28 | 2 42 | 22 9 | 0 26 | 9 8 | 0 29 | 15 50 | 7 18 | 21 9 | 21 19 | 17 58 | 4 45 | 6 2 |
| S 4 | 15 23 | 5 44 | 5 14 | 23 5 | 2 18 | 19 37 | 6 0 | 3 3 | 2 21 | 15 38 | 0 21 | 6 27 | 2 42 | 22 9 | 0 26 | 9 8 | 0 29 | 15 50 | 7 17 | 21 9 | 21 19 | 17 59 | 4 46 | 6 1 |
| M 5 | 15 41 | 1 14 | 5 11 | 23 25 | 2 23 | 19 14 | 5 47 | 3 6 | 2 17 | 15 37 | 0 21 | 6 25 | 2 42 | 22 9 | 0 26 | 9 8 | 0 29 | 15 50 | 7 17 | 21 9 | 21 18 | 18 0 | 4 46 | 6 1 |
| T 6 | 15 59 | 3s15 | 4 54 | 23 43 | 2 28 | 18 50 | 5 34 | 3 9 | 2 12 | 15 35 | 0 22 | 6 24 | 2 42 | 22 9 | 0 26 | 9 8 | 0 29 | 15 50 | 7 17 | 21 8 | 21 17 | 18 1 | 4 47 | 6 0 |
| W 7 | 16 16 | 7 33 | 4 24 | 24 0 | 2 32 | 18 26 | 5 21 | 3 12 | 2 7 | 15 34 | 0 22 | 6 23 | 2 42 | 22 8 | 0 26 | 9 8 | 0 29 | 15 51 | 7 17 | 21 7 | 21 17 | 18 2 | 4 47 | 6 0 |
| T 8 | 16 33 | 11 31 | 3 42 | 24 15 | 2 36 | 18 2 | 5 7 | 3 15 | 2 3 | 15 32 | 0 22 | 6 21 | 2 41 | 22 8 | 0 26 | 9 8 | 0 29 | 15 51 | 7 16 | 21 7 | 21 16 | 18 3 | 4 48 | 5 59 |
| F 9 | 16 50 | 15 1 | 2 52 | 24 30 | 2 40 | 17 39 | 4 53 | 3 19 | 1 59 | 15 31 | 0 22 | 6 20 | 2 41 | 22 8 | 0 26 | 9 8 | 0 29 | 15 51 | 7 16 | 21 6 | 21 16 | 18 5 | 4 48 | 5 59 |
| S 10 | 17 7 | 17 54 | 1 54 | 24 43 | 2 43 | 17 15 | 4 39 | 3 23 | 1 54 | 15 29 | 0 22 | 6 18 | 2 41 | 22 7 | 0 26 | 9 9 | 0 29 | 15 51 | 7 16 | 21 6 | 21 15 | 18 6 | 4 49 | 5 59 |
| S 11 | 17 23 | 20 2 | 0 51 | 24 55 | 2 46 | 16 52 | 4 24 | 3 27 | 1 50 | 15 28 | 0 22 | 6 17 | 2 41 | 22 7 | 0 26 | 9 9 | 0 29 | 15 51 | 7 16 | 21 6 | 21 15 | 18 7 | 4 49 | 5 58 |
| M12 | 17 39 | 21 18 | 0n15 | 25 6 | 2 49 | 16 30 | 4 9 | 3 32 | 1 46 | 15 27 | 0 23 | 6 16 | 2 41 | 22 7 | 0 26 | 9 9 | 0 29 | 15 51 | 7 15 | 21 6 | 21 14 | 18 8 | 4 49 | 5 58 |
| T 13 | 17 55 | 21 36 | 1 20 | 25 16 | 2 51 | 16 8 | 3 54 | 3 36 | 1 41 | 15 26 | 0 23 | 6 15 | 2 41 | 22 6 | 0 26 | 9 9 | 0 29 | 15 52 | 7 15 | 21 6 | 21 14 | 18 9 | 4 50 | 5 57 |
| W14 | 18 11 | 20 56 | 2 22 | 25 24 | 2 52 | 15 46 | 3 39 | 3 41 | 1 37 | 15 24 | 0 23 | 6 13 | 2 41 | 22 6 | 0 26 | 9 9 | 0 29 | 15 52 | 7 15 | 21 6 | 21 13 | 18 10 | 4 50 | 5 57 |
| T 15 | 18 26 | 19 16 | 3 19 | 25 31 | 2 53 | 15 26 | 3 24 | 3 47 | 1 33 | 15 23 | 0 23 | 6 12 | 2 41 | 22 6 | 0 26 | 9 9 | 0 29 | 15 52 | 7 14 | 21 6 | 21 13 | 18 12 | 4 51 | 5 56 |
| F 16 | 18 41 | 16 42 | 4 7 | 25 36 | 2 53 | 15 6 | 3 9 | 3 52 | 1 29 | 15 22 | 0 23 | 6 11 | 2 40 | 22 5 | 0 26 | 9 9 | 0 29 | 15 52 | 7 14 | 21 6 | 21 12 | 18 13 | 4 51 | 5 56 |
| S 17 | 18 55 | 13 18 | 4 45 | 25 40 | 2 52 | 14 47 | 2 54 | 3 58 | 1 25 | 15 21 | 0 24 | 6 10 | 2 40 | 22 5 | 0 26 | 9 9 | 0 29 | 15 52 | 7 14 | 21 7 | 21 11 | 18 14 | 4 51 | 5 55 |
| S 18 | 19 10 | 9 11 | 5 9 | 25 43 | 2 51 | 14 29 | 2 39 | 4 4 | 1 21 | 15 20 | 0 24 | 6 9 | 2 40 | 22 4 | 0 26 | 9 9 | 0 29 | 15 52 | 7 14 | 21 7 | 21 11 | 18 15 | 4 51 | 5 55 |
| M19 | 19 23 | 4 32 | 5 18 | 25 44 | 2 49 | 14 12 | 2 25 | 4 10 | 1 17 | 15 20 | 0 24 | 6 7 | 2 40 | 22 4 | 0 26 | 9 9 | 0 29 | 15 53 | 7 13 | 21 7 | 21 10 | 18 16 | 4 52 | 5 55 |
| T 20 | 19 37 | 0n29 | 5 9 | 25 44 | 2 45 | 13 56 | 2 10 | 4 17 | 1 13 | 15 19 | 0 24 | 6 6 | 2 40 | 22 4 | 0 26 | 9 9 | 0 29 | 15 53 | 7 13 | 21 6 | 21 10 | 18 17 | 4 52 | 5 54 |
| W21 | 19 50 | 5 39 | 4 41 | 25 42 | 2 41 | 13 42 | 1 56 | 4 23 | 1 10 | 15 18 | 0 24 | 6 5 | 2 40 | 22 3 | 0 26 | 9 9 | 0 29 | 15 53 | 7 13 | 21 6 | 21 9 | 18 18 | 4 52 | 5 54 |
| T 22 | 20 3 | 10 38 | 3 55 | 25 38 | 2 36 | 13 28 | 1 42 | 4 30 | 1 6 | 15 17 | 0 24 | 6 4 | 2 39 | 22 3 | 0 26 | 9 9 | 0 29 | 15 53 | 7 13 | 21 6 | 21 9 | 18 19 | 4 52 | 5 53 |
| F 23 | 20 15 | 15 6 | 2 52 | 25 33 | 2 29 | 13 15 | 1 28 | 4 37 | 1 2 | 15 17 | 0 25 | 6 3 | 2 39 | 22 2 | 0 26 | 9 9 | 0 29 | 15 53 | 7 12 | 21 6 | 21 8 | 18 21 | 4 52 | 5 53 |
| S 24 | 20 28 | 18 39 | 1 36 | 25 26 | 2 22 | 13 4 | 1 15 | 4 44 | 0 59 | 15 16 | 0 25 | 6 2 | 2 39 | 22 2 | 0 26 | 9 9 | 0 29 | 15 53 | 7 12 | 21 6 | 21 8 | 18 22 | 4 53 | 5 52 |
| S 25 | 20 39 | 20 54 | 0 13 | 25 17 | 2 13 | 12 54 | 1 2 | 4 52 | 0 55 | 15 16 | 0 25 | 6 2 | 2 39 | 22 2 | 0 26 | 9 9 | 0 29 | 15 53 | 7 12 | 21 6 | 21 7 | 18 23 | 4 53 | 5 52 |
| M26 | 20 51 | 21 37 | 1s11 | 25 6 | 2 2 | 12 44 | 0 49 | 5 0 | 0 52 | 15 15 | 0 25 | 6 1 | 2 39 | 22 1 | 0 26 | 9 8 | 0 29 | 15 54 | 7 12 | 21 6 | 21 6 | 18 24 | 4 53 | 5 52 |
| T 27 | 21 2 | 20 48 | 2 28 | 24 54 | 1 50 | 12 36 | 0 37 | 5 7 | 0 49 | 15 15 | 0 25 | 6 0 | 2 38 | 22 1 | 0 26 | 9 8 | 0 29 | 15 54 | 7 12 | 21 6 | 21 6 | 18 25 | 4 53 | 5 51 |
| W28 | 21 12 | 18 37 | 3 34 | 24 38 | 1 36 | 12 29 | 0 25 | 5 15 | 0 45 | 15 14 | 0 26 | 5 59 | 2 38 | 22 0 | 0 26 | 9 8 | 0 29 | 15 54 | 7 11 | 21 6 | 21 5 | 18 26 | 4 53 | 5 51 |
| T 29 | 21 22 | 15 22 | 4 25 | 24 21 | 1 21 | 12 23 | 0 13 | 5 24 | 0 42 | 15 14 | 0 26 | 5 58 | 2 38 | 22 0 | 0 26 | 9 8 | 0 29 | 15 54 | 7 11 | 21 6 | 21 5 | 18 27 | 4 53 | 5 50 |
| F 30 | 21s32 | 11n24 | 4s59 | 24s 1 | 1s 4 | 12s18 | 0s 2 | 5n32 | 0s39 | 15n14 | 0n26 | 5n57 | 2s38 | 21s59 | 0s26 | 9s 8 | 0s29 | 15s54 | 7n11 | 21s 6 | 21s 4 | 18s28 | 4s53 | 5n50 |

Julian Day Number = 2816361.5, Delta T = 54m44s
Ecliptic obliquity = 23°18'32, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°43'22, Lahiri = 37°50'23


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# ASTRODIENST EPHEMERIS for the year 2998
# geocentric

## DECEMBER 2998 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 42 5 | 9♐ 4'53 | 28♌28 | 19°R18 | 2♏49 | 15♈55 | 19♌45 | 21°R38 | 21♑46 | 7♓34 | 8♑ 1 | 5°R29 | 5♐16 | 17♏34 | 3♓ 4 | S 1 |
| S 2 | 4 46 1 | 10° 5'16 | 11♍13 | 18♐15 | 3°10 | 16°10 | 19°45 | 21♈35 | 21°49 | 7°34 | 8° 3 | 5°D29 | 5°12 | 17°41 | 3° 6 | S 2 |
| M 3 | 4 49 58 | 11° 5'41 | 23°38 | 17° 4 | 3°32 | 16°26 | 19°46 | 21°33 | 21°51 | 7°35 | 8° 5 | 5♐29 | 5° 9 | 17°48 | 3° 7 | M 3 |
| T 4 | 4 53 54 | 12° 6'08 | 5♎47 | 15°47 | 3°57 | 16°43 | 19°47 | 21°31 | 21°54 | 7°35 | 8° 7 | 5°29 | 5° 6 | 17°54 | 3° 8 | T 4 |
| W 5 | 4 57 51 | 13° 6'36 | 17°45 | 14°27 | 4°23 | 17° 0 | 19°47 | 21°29 | 21°57 | 7°36 | 8° 9 | 5°30 | 5° 3 | 18° 1 | 3°10 | W 5 |
| T 6 | 5 1 47 | 14° 7'06 | 29°36 | 13° 5 | 4°51 | 17°17 | 19°R47 | 21°27 | 22° 0 | 7°37 | 8°11 | 5°31 | 5° 0 | 18° 8 | 3°11 | T 6 |
| F 7 | 5 5 44 | 15° 7'38 | 11♏23 | 11°45 | 5°20 | 17°36 | 19°47 | 21°25 | 22° 3 | 7°37 | 8°13 | 5°32 | 4°56 | 18°14 | 3°13 | F 7 |
| S 8 | 5 9 41 | 16° 8'12 | 23°11 | 10°30 | 5°51 | 17°54 | 19°47 | 21°24 | 22° 7 | 7°38 | 8°15 | 5°33 | 4°53 | 18°21 | 3°15 | S 8 |
| S 9 | 5 13 37 | 17° 8'47 | 5♐ 1 | 9°21 | 6°24 | 18°13 | 19°46 | 21°22 | 22°10 | 7°39 | 8°18 | 5°R33 | 4°50 | 18°28 | 3°16 | S 9 |
| M10 | 5 17 34 | 18° 9'24 | 16°57 | 8°21 | 6°58 | 18°33 | 19°45 | 21°20 | 22°13 | 7°39 | 8°20 | 5°33 | 4°47 | 18°34 | 3°18 | M10 |
| T 11 | 5 21 30 | 19°10'02 | 29° 0 | 7°31 | 7°33 | 18°53 | 19°44 | 21°19 | 22°16 | 7°40 | 8°22 | 5°32 | 4°44 | 18°41 | 3°20 | T 11 |
| W12 | 5 25 27 | 20°10'41 | 11♑12 | 6°52 | 8°10 | 19°14 | 19°43 | 21°18 | 22°19 | 7°41 | 8°24 | 5°30 | 4°41 | 18°48 | 3°22 | W12 |
| T 13 | 5 29 23 | 21°11'22 | 23°34 | 6°25 | 8°48 | 19°35 | 19°42 | 21°16 | 22°22 | 7°42 | 8°26 | 5°28 | 4°37 | 18°54 | 3°24 | T 13 |
| F 14 | 5 33 20 | 22°12'04 | 6♒ 9 | 6° 9 | 9°27 | 19°56 | 19°40 | 21°15 | 22°25 | 7°42 | 8°28 | 5°25 | 4°34 | 19° 1 | 3°26 | F 14 |
| S 15 | 5 37 16 | 23°12'46 | 18°57 | 6°D 4 | 10° 8 | 20°18 | 19°39 | 21°14 | 22°29 | 7°43 | 8°30 | 5°23 | 4°31 | 19° 7 | 3°28 | S 15 |
| S 16 | 5 41 13 | 24°13'30 | 2♓ 0 | 6°11 | 10°50 | 20°41 | 19°37 | 21°13 | 22°32 | 7°44 | 8°33 | 5°21 | 4°28 | 19°14 | 3°30 | S 16 |
| M17 | 5 45 10 | 25°14'15 | 15°20 | 6°27 | 11°32 | 21° 3 | 19°35 | 21°13 | 22°35 | 7°45 | 8°35 | 5°19 | 4°25 | 19°21 | 3°32 | M17 |
| T 18 | 5 49 6 | 26°15'00 | 28°59 | 6°52 | 12°16 | 21°27 | 19°32 | 21°12 | 22°39 | 7°46 | 8°37 | 5°D19 | 4°22 | 19°27 | 3°34 | T 18 |
| W19 | 5 53 3 | 27°15'47 | 12♈56 | 7°25 | 13° 1 | 21°50 | 19°30 | 21°11 | 22°42 | 7°47 | 8°39 | 5°20 | 4°18 | 19°34 | 3°37 | W19 |
| T 20 | 5 56 59 | 28°16'34 | 27°12 | 8° 5 | 13°47 | 22°14 | 19°27 | 21°11 | 22°45 | 7°48 | 8°41 | 5°21 | 4°15 | 19°41 | 3°39 | T 20 |
| F 21 | 6 0 56 | 29°17'22 | 11♉45 | 8°52 | 14°34 | 22°38 | 19°24 | 21°10 | 22°49 | 7°49 | 8°44 | 5°22 | 4°12 | 19°47 | 3°41 | F 21 |
| S 22 | 6 4 52 | 0♑18'11 | 26°30 | 9°45 | 15°22 | 23° 3 | 19°21 | 21°10 | 22°52 | 7°50 | 8°46 | 5°23 | 4° 9 | 19°54 | 3°44 | S 22 |
| S 23 | 6 8 49 | 1°19'01 | 11♊24 | 10°43 | 16°11 | 23°28 | 19°18 | 21°10 | 22°55 | 7°52 | 8°48 | 5°R24 | 4° 6 | 20° 1 | 3°46 | S 23 |
| M24 | 6 12 45 | 2°19'52 | 26°17 | 11°45 | 17° 0 | 23°54 | 19°15 | 21°D10 | 22°59 | 7°53 | 8°50 | 5°22 | 4° 2 | 20° 7 | 3°49 | M24 |
| T 25 | 6 16 42 | 3°20'44 | 11♋ 2 | 12°51 | 17°50 | 24°19 | 19°11 | 21°10 | 23° 2 | 7°54 | 8°52 | 5°20 | 3°59 | 20°14 | 3°51 | T 25 |
| W26 | 6 20 39 | 4°21'36 | 25°32 | 14° 0 | 18°42 | 24°45 | 19° 7 | 21°10 | 23° 6 | 7°55 | 8°55 | 5°16 | 3°56 | 20°21 | 3°54 | W26 |
| T 27 | 6 24 35 | 5°22'30 | 9♌40 | 15°12 | 19°34 | 25°12 | 19° 3 | 21°11 | 23° 9 | 7°56 | 8°57 | 5°11 | 3°53 | 20°27 | 3°57 | T 27 |
| F 28 | 6 28 32 | 6°23'25 | 23°23 | 16°26 | 20°26 | 25°38 | 18°59 | 21°11 | 23°13 | 7°58 | 8°59 | 5° 6 | 3°50 | 20°34 | 3°59 | F 28 |
| S 29 | 6 32 28 | 7°24'20 | 6♍39 | 17°43 | 21°20 | 26° 5 | 18°55 | 21°11 | 23°16 | 7°59 | 9° 1 | 5° 2 | 3°47 | 20°41 | 4° 2 | S 29 |
| S 30 | 6 36 25 | 8°25'17 | 19°30 | 19° 2 | 22°14 | 26°32 | 18°50 | 21°12 | 23°20 | 8° 0 | 9° 4 | 4°59 | 3°43 | 20°47 | 4° 5 | S 30 |
| M31 | 6 40 21 | 9♑26'15 | 1♎59 | 20♐22 | 23♏ 8 | 27♈ 0 | 18♌45 | 21♈13 | 23♑23 | 8♓ 2 | 9♑ 6 | 4♐57 | 3♐40 | 20♏54 | 4♓ 8 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s41 | 7n 0 | 5s16 | 23s39 | 0s46 | 12s14 | 0n 9 | 5n41 | 0s36 | 15n14 | 0n26 | 5n57 | 2s38 | 21s59 | 0s26 | 9s 8 | 0s29 | 15s54 | 7n11 | 21s 6 | 21s 4 | 18s29 | 4s53 | 5n49 |
| S 2 | 21 50 | 2 26 | 5 16 | 23 15 | 0 27 | 12 11 | 0 20 | 5 49 | 0 33 | 15 14 | 0 26 | 5 56 | 2 37 | 21 59 | 0 26 | 9 8 | 0 29 | 15 54 | 7 11 | 21 6 | 21 3 | 18 30 | 4 53 | 5 49 |
| M 3 | 21 59 | 2s 7 | 5 2 | 22 48 | 0 7 | 12 9 | 0 30 | 5 58 | 0 30 | 15 14 | 0 27 | 5 56 | 2 37 | 21 58 | 0 26 | 9 7 | 0 29 | 15 54 | 7 10 | 21 6 | 21 3 | 18 31 | 4 53 | 5 49 |
| T 4 | 22 7 | 6 30 | 4 35 | 22 20 | 0n13 | 12 8 | 0 40 | 6 7 | 0 27 | 15 14 | 0 27 | 5 55 | 2 37 | 21 58 | 0 26 | 9 7 | 0 29 | 15 54 | 7 10 | 21 6 | 21 2 | 18 32 | 4 53 | 5 48 |
| W 5 | 22 15 | 10 34 | 3 56 | 21 51 | 0 34 | 12 8 | 0 50 | 6 16 | 0 24 | 15 14 | 0 27 | 5 54 | 2 37 | 21 57 | 0 26 | 9 7 | 0 29 | 15 54 | 7 10 | 21 6 | 21 1 | 18 33 | 4 53 | 5 48 |
| T 6 | 22 22 | 14 11 | 3 7 | 21 21 | 0 54 | 12 8 | 0 59 | 6 26 | 0 21 | 15 14 | 0 27 | 5 54 | 2 37 | 21 57 | 0 26 | 9 7 | 0 29 | 15 54 | 7 10 | 21 6 | 21 1 | 18 34 | 4 52 | 5 47 |
| F 7 | 22 29 | 17 14 | 2 10 | 20 52 | 1 13 | 12 10 | 1 8 | 6 35 | 0 19 | 15 14 | 0 27 | 5 53 | 2 36 | 21 56 | 0 26 | 9 7 | 0 29 | 15 55 | 7 10 | 21 7 | 21 0 | 18 35 | 4 52 | 5 47 |
| S 8 | 22 35 | 19 34 | 1 8 | 20 25 | 1 30 | 12 12 | 1 17 | 6 45 | 0 16 | 15 14 | 0 27 | 5 53 | 2 36 | 21 56 | 0 26 | 9 6 | 0 29 | 15 55 | 7 9 | 21 7 | 21 0 | 18 36 | 4 52 | 5 46 |
| S 9 | 22 41 | 21 4 | 0 3 | 19 59 | 1 46 | 12 15 | 1 25 | 6 54 | 0 13 | 15 15 | 0 28 | 5 53 | 2 36 | 21 55 | 0 26 | 9 6 | 0 29 | 15 55 | 7 9 | 21 7 | 20 59 | 18 38 | 4 52 | 5 46 |
| M10 | 22 47 | 21 38 | 1n 3 | 19 36 | 2 0 | 12 18 | 1 33 | 7 4 | 0 11 | 15 15 | 0 28 | 5 52 | 2 36 | 21 55 | 0 26 | 9 6 | 0 29 | 15 55 | 7 9 | 21 7 | 20 59 | 18 39 | 4 52 | 5 46 |
| T 11 | 22 52 | 21 12 | 2 6 | 19 17 | 2 12 | 12 22 | 1 40 | 7 14 | 0 8 | 15 16 | 0 28 | 5 52 | 2 35 | 21 54 | 0 26 | 9 6 | 0 29 | 15 55 | 7 9 | 21 7 | 20 58 | 18 40 | 4 51 | 5 45 |
| W12 | 22 57 | 19 46 | 3 5 | 19 1 | 2 21 | 12 27 | 1 47 | 7 24 | 0 6 | 15 16 | 0 28 | 5 52 | 2 35 | 21 54 | 0 26 | 9 5 | 0 29 | 15 55 | 7 9 | 21 6 | 20 57 | 18 41 | 4 51 | 5 45 |
| T 13 | 23 1 | 17 24 | 3 56 | 18 49 | 2 28 | 12 33 | 1 54 | 7 34 | 0 3 | 15 17 | 0 28 | 5 51 | 2 35 | 21 53 | 0 26 | 9 5 | 0 29 | 15 55 | 7 9 | 21 6 | 20 57 | 18 42 | 4 51 | 5 44 |
| F 14 | 23 5 | 14 10 | 4 36 | 18 42 | 2 34 | 12 39 | 2 1 | 7 44 | 0 1 | 15 17 | 0 29 | 5 51 | 2 35 | 21 53 | 0 26 | 9 5 | 0 29 | 15 55 | 7 8 | 21 5 | 20 56 | 18 43 | 4 50 | 5 44 |
| S 15 | 23 8 | 10 15 | 5 3 | 18 38 | 2 37 | 12 46 | 2 7 | 7 55 | 0n 1 | 15 18 | 0 29 | 5 51 | 2 34 | 21 52 | 0 26 | 9 4 | 0 29 | 15 55 | 7 8 | 21 5 | 20 56 | 18 44 | 4 50 | 5 44 |
| S 16 | 23 11 | 5 47 | 5 15 | 18 37 | 2 39 | 12 53 | 2 13 | 8 5 | 0 4 | 15 19 | 0 29 | 5 51 | 2 34 | 21 51 | 0 26 | 9 4 | 0 29 | 15 55 | 7 8 | 21 5 | 20 55 | 18 45 | 4 50 | 5 43 |
| M17 | 23 13 | 0 58 | 5 11 | 18 40 | 2 39 | 13 0 | 2 19 | 8 16 | 0 6 | 15 20 | 0 29 | 5 51 | 2 34 | 21 51 | 0 26 | 9 4 | 0 29 | 15 55 | 7 8 | 21 4 | 20 55 | 18 46 | 4 49 | 5 43 |
| T 18 | 23 15 | 4n 1 | 4 49 | 18 45 | 2 37 | 13 8 | 2 24 | 8 27 | 0 8 | 15 21 | 0 29 | 5 51 | 2 34 | 21 50 | 0 26 | 9 3 | 0 29 | 15 55 | 7 8 | 21 4 | 20 54 | 18 47 | 4 49 | 5 42 |
| W19 | 23 17 | 8 56 | 4 11 | 18 53 | 2 35 | 13 17 | 2 30 | 8 37 | 0 10 | 15 22 | 0 30 | 5 51 | 2 33 | 21 50 | 0 26 | 9 3 | 0 29 | 15 55 | 7 8 | 21 4 | 20 53 | 18 48 | 4 48 | 5 42 |
| T 20 | 23 18 | 13 27 | 3 15 | 19 3 | 2 32 | 13 26 | 2 34 | 8 48 | 0 12 | 15 23 | 0 30 | 5 51 | 2 33 | 21 49 | 0 26 | 9 2 | 0 29 | 15 55 | 7 7 | 21 5 | 20 53 | 18 49 | 4 48 | 5 42 |
| F 21 | 23 18 | 17 17 | 2 7 | 19 14 | 2 27 | 13 35 | 2 39 | 8 59 | 0 14 | 15 24 | 0 30 | 5 51 | 2 33 | 21 49 | 0 26 | 9 2 | 0 29 | 15 55 | 7 7 | 21 5 | 20 52 | 18 49 | 4 47 | 5 41 |
| S 22 | 23 18 | 20 4 | 0 49 | 19 27 | 2 22 | 13 45 | 2 43 | 9 10 | 0 16 | 15 25 | 0 30 | 5 51 | 2 33 | 21 48 | 0 26 | 9 2 | 0 29 | 15 55 | 7 7 | 21 5 | 20 52 | 18 50 | 4 47 | 5 41 |
| S 23 | 23 18 | 21 29 | 0s33 | 19 41 | 2 16 | 13 55 | 2 47 | 9 21 | 0 18 | 15 26 | 0 30 | 5 51 | 2 32 | 21 48 | 0 26 | 9 1 | 0 29 | 15 55 | 7 7 | 21 5 | 20 51 | 18 51 | 4 46 | 5 40 |
| M24 | 23 17 | 21 23 | 1 52 | 19 55 | 2 10 | 14 5 | 2 51 | 9 32 | 0 20 | 15 27 | 0 31 | 5 52 | 2 32 | 21 47 | 0 26 | 9 1 | 0 29 | 15 55 | 7 7 | 21 5 | 20 50 | 18 52 | 4 46 | 5 40 |
| T 25 | 23 16 | 19 48 | 3 3 | 20 10 | 2 4 | 14 15 | 2 55 | 9 43 | 0 22 | 15 29 | 0 31 | 5 52 | 2 32 | 21 46 | 0 26 | 9 0 | 0 29 | 15 55 | 7 7 | 21 4 | 20 50 | 18 53 | 4 45 | 5 40 |
| W26 | 23 14 | 16 58 | 4 1 | 20 26 | 1 57 | 14 26 | 2 58 | 9 54 | 0 24 | 15 30 | 0 31 | 5 52 | 2 32 | 21 46 | 0 26 | 9 0 | 0 29 | 15 55 | 7 7 | 21 4 | 20 49 | 18 54 | 4 45 | 5 39 |
| T 27 | 23 12 | 13 11 | 4 43 | 20 41 | 1 49 | 14 37 | 3 1 | 10 6 | 0 26 | 15 31 | 0 31 | 5 53 | 2 31 | 21 45 | 0 26 | 8 59 | 0 29 | 15 55 | 7 7 | 21 3 | 20 49 | 18 55 | 4 44 | 5 39 |
| F 28 | 23 9 | 8 49 | 5 7 | 20 56 | 1 42 | 14 48 | 3 4 | 10 17 | 0 27 | 15 33 | 0 31 | 5 53 | 2 31 | 21 45 | 0 26 | 8 59 | 0 29 | 15 55 | 7 6 | 21 2 | 20 48 | 18 56 | 4 43 | 5 39 |
| S 29 | 23 6 | 4 10 | 5 13 | 21 11 | 1 34 | 14 59 | 3 7 | 10 28 | 0 29 | 15 34 | 0 32 | 5 53 | 2 31 | 21 44 | 0 26 | 8 58 | 0 29 | 15 55 | 7 6 | 21 1 | 20 47 | 18 57 | 4 43 | 5 38 |
| S 30 | 23 3 | 0s31 | 5 3 | 21 25 | 1 26 | 15 11 | 3 9 | 10 40 | 0 31 | 15 36 | 0 32 | 5 54 | 2 31 | 21 44 | 0 26 | 8 58 | 0 29 | 15 55 | 7 6 | 21 1 | 20 47 | 18 58 | 4 42 | 5 38 |
| M31 | 22s58 | 5s 3 | 4s39 | 21s39 | 1n18 | 15s22 | 3n11 | 10n51 | 0n32 | 15n38 | 0n32 | 5n54 | 2s30 | 21s43 | 0s26 | 8s57 | 0s29 | 15s55 | 7n 6 | 21s 0 | 20s46 | 18s59 | 4s41 | 5n38 |

Julian Day Number = 2816391.5, Delta T = 54m45s
Ecliptic obliquity = 23°18'31, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°43'27, Lahiri = 37°50'27


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# ASTRODIENST EPHEMERIS for the year 2999
# geocentric

## JANUARY 2999 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 44 18 | 10♑27'14 | 14♎10 | 21♐44 | 24♏ 4 | 27♈28 | 18°R41 | 21♈14 | 23♑27 | 8♓ 3 | 9♑ 8 | 4°D57 | 3♐37 | 21♏ 1 | 4♓11 | T 1 |
| W 2 | 6 48 15 | 11°28'13 | 26° 7 | 23° 7 | 25° 0 | 27°56 | 18♌35 | 21°15 | 23°30 | 8° 5 | 9°10 | 4♐58 | 3°34 | 21° 7 | 4°14 | W 2 |
| T 3 | 6 52 11 | 12°29'14 | 7♏57 | 24°31 | 25°56 | 28°24 | 18°30 | 21°16 | 23°34 | 8° 6 | 9°13 | 4°59 | 3°31 | 21°14 | 4°17 | T 3 |
| F 4 | 6 56 8 | 13°30'16 | 19°44 | 25°56 | 26°54 | 28°53 | 18°25 | 21°17 | 23°37 | 8° 7 | 9°15 | 5° 1 | 3°28 | 21°20 | 4°20 | F 4 |
| S 5 | 7 0 4 | 14°31'18 | 1♐32 | 27°21 | 27°51 | 29°21 | 18°19 | 21°18 | 23°41 | 8° 9 | 9°17 | 5°R 2 | 3°24 | 21°27 | 4°23 | S 5 |
| S 6 | 7 4 1 | 15°32'22 | 13°27 | 28°48 | 28°49 | 29°51 | 18°14 | 21°19 | 23°45 | 8°11 | 9°19 | 5° 2 | 3°21 | 21°34 | 4°26 | S 6 |
| M 7 | 7 7 57 | 16°33'25 | 25°30 | 0♑15 | 29°48 | 0♉20 | 18° 8 | 21°21 | 23°48 | 8°12 | 9°21 | 5° 0 | 3°18 | 21°40 | 4°29 | M 7 |
| T 8 | 7 11 54 | 17°34'30 | 7♑45 | 1°43 | 0♐47 | 0°49 | 18° 2 | 21°22 | 23°52 | 8°14 | 9°24 | 4°55 | 3°15 | 21°47 | 4°33 | T 8 |
| W 9 | 7 15 50 | 18°35'35 | 20°13 | 3°11 | 1°47 | 1°19 | 17°56 | 21°24 | 23°55 | 8°15 | 9°26 | 4°49 | 3°12 | 21°54 | 4°36 | W 9 |
| T 10 | 7 19 47 | 19°36'41 | 2♒55 | 4°40 | 2°47 | 1°49 | 17°50 | 21°26 | 23°59 | 8°17 | 9°28 | 4°41 | 3° 8 | 22° 0 | 4°39 | T 10 |
| F 11 | 7 23 44 | 20°37'46 | 15°50 | 6° 9 | 3°48 | 2°19 | 17°43 | 21°28 | 24° 3 | 8°19 | 9°30 | 4°32 | 3° 5 | 22° 7 | 4°43 | F 11 |
| S 12 | 7 27 40 | 21°38'52 | 28°59 | 7°39 | 4°49 | 2°50 | 17°37 | 21°30 | 24° 6 | 8°20 | 9°33 | 4°24 | 3° 2 | 22°14 | 4°46 | S 12 |
| S 13 | 7 31 37 | 22°39'58 | 12♓19 | 9° 9 | 5°50 | 3°20 | 17°30 | 21°32 | 24°10 | 8°22 | 9°35 | 4°16 | 2°59 | 22°20 | 4°49 | S 13 |
| M14 | 7 35 33 | 23°41'04 | 25°51 | 10°40 | 6°52 | 3°51 | 17°23 | 21°34 | 24°13 | 8°24 | 9°37 | 4°11 | 2°56 | 22°27 | 4°53 | M14 |
| T 15 | 7 39 30 | 24°42'10 | 9♈33 | 12°11 | 7°54 | 4°22 | 17°16 | 21°36 | 24°17 | 8°25 | 9°39 | 4° 8 | 2°53 | 22°34 | 4°56 | T 15 |
| W16 | 7 43 26 | 25°43'16 | 23°26 | 13°42 | 8°56 | 4°54 | 17° 9 | 21°39 | 24°21 | 8°27 | 9°41 | 4°D 6 | 2°49 | 22°40 | 5° 0 | W16 |
| T 17 | 7 47 23 | 26°44'22 | 7♉29 | 15°14 | 9°59 | 5°25 | 17° 2 | 21°41 | 24°24 | 8°29 | 9°43 | 4° 7 | 2°46 | 22°47 | 5° 4 | T 17 |
| F 18 | 7 51 19 | 27°45'28 | 21°41 | 16°46 | 11° 2 | 5°57 | 16°55 | 21°44 | 24°28 | 8°31 | 9°46 | 4° 8 | 2°43 | 22°54 | 5° 7 | F 18 |
| S 19 | 7 55 16 | 28°46'33 | 6♊ 2 | 18°18 | 12° 5 | 6°28 | 16°48 | 21°47 | 24°31 | 8°33 | 9°48 | 4°R 8 | 2°40 | 23° 0 | 5°11 | S 19 |
| S 20 | 7 59 13 | 29°47'39 | 20°28 | 19°51 | 13° 9 | 7° 0 | 16°40 | 21°50 | 24°35 | 8°35 | 9°50 | 4° 7 | 2°37 | 23° 7 | 5°14 | S 20 |
| M21 | 8 3 9 | 0♒48'44 | 4♋55 | 21°24 | 14°13 | 7°32 | 16°33 | 21°52 | 24°39 | 8°36 | 9°52 | 4° 4 | 2°34 | 23°13 | 5°18 | M21 |
| T 22 | 8 7 6 | 1°49'49 | 19°19 | 22°57 | 15°18 | 8° 4 | 16°25 | 21°56 | 24°42 | 8°38 | 9°54 | 3°57 | 2°30 | 23°20 | 5°22 | T 22 |
| W23 | 8 11 2 | 2°50'54 | 3♌33 | 24°31 | 16°22 | 8°37 | 16°18 | 21°59 | 24°46 | 8°40 | 9°56 | 3°49 | 2°27 | 23°27 | 5°26 | W23 |
| T 24 | 8 14 59 | 3°51'58 | 17°31 | 26° 5 | 17°27 | 9° 9 | 16°10 | 22° 2 | 24°49 | 8°42 | 9°58 | 3°38 | 2°24 | 23°33 | 5°29 | T 24 |
| F 25 | 8 18 55 | 4°53'03 | 1♍10 | 27°40 | 18°33 | 9°42 | 16° 2 | 22° 5 | 24°53 | 8°44 | 10° 0 | 3°28 | 2°21 | 23°40 | 5°33 | F 25 |
| S 26 | 8 22 52 | 5°54'07 | 14°26 | 29°15 | 19°38 | 10°15 | 15°55 | 22° 9 | 24°56 | 8°46 | 10° 2 | 3°17 | 2°18 | 23°47 | 5°37 | S 26 |
| S 27 | 8 26 48 | 6°55'12 | 27°19 | 0♒50 | 20°44 | 10°48 | 15°47 | 22°12 | 25° 0 | 8°48 | 10° 5 | 3° 9 | 2°14 | 23°53 | 5°41 | S 27 |
| M28 | 8 30 45 | 7°56'16 | 9♎50 | 2°26 | 21°50 | 11°21 | 15°39 | 22°16 | 25° 4 | 8°50 | 10° 7 | 3° 3 | 2°11 | 24° 0 | 5°45 | M28 |
| T 29 | 8 34 42 | 8°57'21 | 22° 3 | 4° 3 | 22°56 | 11°54 | 15°31 | 22°19 | 25° 7 | 8°52 | 10° 9 | 2°59 | 2° 8 | 24° 7 | 5°49 | T 29 |
| W30 | 8 38 38 | 9°58'25 | 4♏ 2 | 5°40 | 24° 2 | 12°27 | 15°23 | 22°23 | 25°11 | 8°54 | 10°11 | 2°57 | 2° 5 | 24°13 | 5°53 | W30 |
| T 31 | 8 42 35 | 10♒59'30 | 15♏53 | 7♒17 | 25♐ 9 | 13♉ 1 | 15♌15 | 22♈27 | 25♑14 | 8♓56 | 10♑13 | 2°D57 | 2♐ 2 | 24♏20 | 5♓57 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s54 | 9s17 | 4s 3 | 21s53 | 1n10 | 15s34 | 3n13 | 11n 2 | 0n34 | 15n39 | 0n32 | 5n55 | 2s30 | 21s42 | 0s26 | 8s57 | 0s29 | 15s55 | 7n 6 | 21s 0 | 20s46 | 19s 0 | 4s41 | 5n37 |
| W 2 | 22 49 | 13 5 | 3 17 | 22 5 | 1 2 | 15 45 | 3 15 | 11 14 | 0 35 | 15 41 | 0 32 | 5 56 | 2 30 | 21 42 | 0 26 | 8 56 | 0 29 | 15 55 | 7 6 | 21 0 | 20 45 | 19 1 | 4 40 | 5 37 |
| T 3 | 22 44 | 16 20 | 2 22 | 22 17 | 0 54 | 15 57 | 3 17 | 11 25 | 0 37 | 15 43 | 0 33 | 5 56 | 2 29 | 21 41 | 0 26 | 8 56 | 0 29 | 15 54 | 7 6 | 21 1 | 20 44 | 19 2 | 4 39 | 5 37 |
| F 4 | 22 38 | 18 54 | 1 23 | 22 28 | 0 46 | 16 8 | 3 18 | 11 37 | 0 38 | 15 45 | 0 33 | 5 57 | 2 29 | 21 41 | 0 26 | 8 55 | 0 29 | 15 54 | 7 6 | 21 1 | 20 44 | 19 3 | 4 38 | 5 36 |
| S 5 | 22 31 | 20 40 | 0 19 | 22 38 | 0 39 | 16 20 | 3 19 | 11 48 | 0 40 | 15 47 | 0 33 | 5 58 | 2 29 | 21 40 | 0 26 | 8 55 | 0 29 | 15 54 | 7 6 | 21 1 | 20 43 | 19 3 | 4 38 | 5 36 |
| S 6 | 22 25 | 21 32 | 0n46 | 22 48 | 0 31 | 16 32 | 3 20 | 12 0 | 0 41 | 15 48 | 0 33 | 5 58 | 2 29 | 21 39 | 0 26 | 8 54 | 0 29 | 15 54 | 7 6 | 21 1 | 20 43 | 19 4 | 4 37 | 5 36 |
| M 7 | 22 17 | 21 25 | 1 49 | 22 56 | 0 23 | 16 43 | 3 21 | 12 11 | 0 42 | 15 50 | 0 33 | 5 59 | 2 28 | 21 39 | 0 26 | 8 53 | 0 29 | 15 54 | 7 6 | 21 1 | 20 42 | 19 5 | 4 36 | 5 35 |
| T 8 | 22 10 | 20 17 | 2 48 | 23 3 | 0 15 | 16 55 | 3 22 | 12 23 | 0 44 | 15 52 | 0 33 | 6 0 | 2 28 | 21 38 | 0 26 | 8 53 | 0 29 | 15 54 | 7 6 | 21 0 | 20 41 | 19 6 | 4 35 | 5 35 |
| W 9 | 22 2 | 18 10 | 3 40 | 23 9 | 0 8 | 17 6 | 3 22 | 12 34 | 0 45 | 15 54 | 0 34 | 6 1 | 2 28 | 21 37 | 0 26 | 8 52 | 0 29 | 15 54 | 7 5 | 20 59 | 20 41 | 19 7 | 4 34 | 5 35 |
| T 10 | 21 53 | 15 8 | 4 22 | 23 14 | 0 0 | 17 17 | 3 23 | 12 46 | 0 46 | 15 57 | 0 34 | 6 2 | 2 28 | 21 37 | 0 26 | 8 52 | 0 29 | 15 54 | 7 5 | 20 57 | 20 40 | 19 8 | 4 33 | 5 34 |
| F 11 | 21 44 | 11 21 | 4 52 | 23 17 | 0s 7 | 17 28 | 3 23 | 12 58 | 0 48 | 15 59 | 0 34 | 6 3 | 2 27 | 21 36 | 0 26 | 8 51 | 0 29 | 15 54 | 7 5 | 20 56 | 20 40 | 19 9 | 4 32 | 5 34 |
| S 12 | 21 35 | 6 58 | 5 6 | 23 20 | 0 15 | 17 39 | 3 23 | 13 9 | 0 49 | 16 1 | 0 34 | 6 4 | 2 27 | 21 36 | 0 26 | 8 50 | 0 29 | 15 54 | 7 5 | 20 54 | 20 39 | 19 10 | 4 31 | 5 34 |
| S 13 | 21 25 | 2 12 | 5 5 | 23 21 | 0 22 | 17 50 | 3 23 | 13 21 | 0 50 | 16 3 | 0 34 | 6 5 | 2 27 | 21 35 | 0 26 | 8 50 | 0 29 | 15 54 | 7 5 | 20 53 | 20 38 | 19 11 | 4 30 | 5 34 |
| M14 | 21 15 | 2n44 | 4 46 | 23 21 | 0 29 | 18 1 | 3 22 | 13 32 | 0 51 | 16 5 | 0 35 | 6 6 | 2 27 | 21 34 | 0 26 | 8 49 | 0 29 | 15 54 | 7 5 | 20 52 | 20 38 | 19 11 | 4 29 | 5 33 |
| T 15 | 21 4 | 7 37 | 4 11 | 23 20 | 0 35 | 18 11 | 3 22 | 13 44 | 0 52 | 16 7 | 0 35 | 6 7 | 2 26 | 21 34 | 0 26 | 8 48 | 0 29 | 15 53 | 7 5 | 20 51 | 20 37 | 19 12 | 4 28 | 5 33 |
| W16 | 20 53 | 12 10 | 3 21 | 23 18 | 0 42 | 18 21 | 3 21 | 13 55 | 0 53 | 16 10 | 0 35 | 6 8 | 2 26 | 21 33 | 0 26 | 8 48 | 0 29 | 15 53 | 7 5 | 20 51 | 20 37 | 19 13 | 4 27 | 5 33 |
| T 17 | 20 42 | 16 7 | 2 18 | 23 15 | 0 48 | 18 31 | 3 20 | 14 7 | 0 54 | 16 12 | 0 35 | 6 9 | 2 26 | 21 33 | 0 26 | 8 47 | 0 29 | 15 53 | 7 5 | 20 51 | 20 36 | 19 14 | 4 26 | 5 32 |
| F 18 | 20 30 | 19 9 | 1 6 | 23 10 | 0 55 | 18 41 | 3 19 | 14 18 | 0 56 | 16 14 | 0 35 | 6 10 | 2 26 | 21 32 | 0 26 | 8 46 | 0 29 | 15 53 | 7 5 | 20 51 | 20 35 | 19 15 | 4 25 | 5 32 |
| S 19 | 20 18 | 21 2 | 0s10 | 23 4 | 1 1 | 18 50 | 3 18 | 14 30 | 0 57 | 16 17 | 0 35 | 6 12 | 2 25 | 21 31 | 0 26 | 8 46 | 0 29 | 15 53 | 7 5 | 20 51 | 20 35 | 19 16 | 4 24 | 5 32 |
| S 20 | 20 5 | 21 32 | 1 27 | 22 57 | 1 6 | 18 59 | 3 17 | 14 41 | 0 58 | 16 19 | 0 35 | 6 13 | 2 25 | 21 31 | 0 26 | 8 45 | 0 29 | 15 53 | 7 5 | 20 51 | 20 34 | 19 16 | 4 23 | 5 32 |
| M21 | 19 52 | 20 36 | 2 37 | 22 48 | 1 12 | 19 8 | 3 16 | 14 52 | 0 59 | 16 21 | 0 36 | 6 14 | 2 25 | 21 30 | 0 26 | 8 44 | 0 29 | 15 53 | 7 5 | 20 51 | 20 34 | 19 17 | 4 22 | 5 31 |
| T 22 | 19 39 | 18 20 | 3 37 | 22 39 | 1 18 | 19 17 | 3 14 | 15 4 | 0 59 | 16 24 | 0 36 | 6 15 | 2 25 | 21 29 | 0 26 | 8 44 | 0 29 | 15 53 | 7 5 | 20 49 | 20 33 | 19 18 | 4 21 | 5 31 |
| W23 | 19 25 | 14 59 | 4 23 | 22 27 | 1 23 | 19 25 | 3 13 | 15 15 | 1 0 | 16 26 | 0 36 | 6 17 | 2 24 | 21 29 | 0 26 | 8 43 | 0 29 | 15 52 | 7 5 | 20 48 | 20 32 | 19 19 | 4 20 | 5 31 |
| T 24 | 19 11 | 10 51 | 4 52 | 22 15 | 1 28 | 19 33 | 3 11 | 15 26 | 1 1 | 16 29 | 0 36 | 6 18 | 2 24 | 21 28 | 0 26 | 8 42 | 0 29 | 15 52 | 7 5 | 20 46 | 20 32 | 19 20 | 4 19 | 5 31 |
| F 25 | 18 56 | 6 16 | 5 4 | 22 1 | 1 32 | 19 40 | 3 9 | 15 37 | 1 2 | 16 31 | 0 36 | 6 20 | 2 24 | 21 28 | 0 26 | 8 42 | 0 29 | 15 52 | 7 5 | 20 44 | 20 31 | 19 21 | 4 18 | 5 30 |
| S 26 | 18 42 | 1 30 | 4 59 | 21 46 | 1 37 | 19 48 | 3 7 | 15 49 | 1 3 | 16 34 | 0 36 | 6 21 | 2 24 | 21 27 | 0 26 | 8 41 | 0 29 | 15 52 | 7 5 | 20 42 | 20 30 | 19 21 | 4 16 | 5 30 |
| S 27 | 18 27 | 3s11 | 4 38 | 21 30 | 1 41 | 19 54 | 3 5 | 16 0 | 1 4 | 16 36 | 0 37 | 6 23 | 2 23 | 21 26 | 0 26 | 8 40 | 0 29 | 15 52 | 7 5 | 20 40 | 20 30 | 19 22 | 4 15 | 5 30 |
| M28 | 18 11 | 7 37 | 4 4 | 21 13 | 1 45 | 20 1 | 3 3 | 16 11 | 1 5 | 16 39 | 0 37 | 6 24 | 2 23 | 21 26 | 0 26 | 8 39 | 0 29 | 15 52 | 7 5 | 20 39 | 20 29 | 19 23 | 4 14 | 5 30 |
| T 29 | 17 55 | 11 38 | 3 20 | 20 54 | 1 48 | 20 7 | 3 1 | 16 22 | 1 5 | 16 41 | 0 37 | 6 26 | 2 23 | 21 25 | 0 26 | 8 39 | 0 29 | 15 52 | 7 5 | 20 38 | 20 29 | 19 24 | 4 13 | 5 30 |
| W30 | 17 39 | 15 7 | 2 28 | 20 33 | 1 52 | 20 12 | 2 59 | 16 33 | 1 6 | 16 44 | 0 37 | 6 27 | 2 23 | 21 24 | 0 26 | 8 38 | 0 29 | 15 51 | 7 5 | 20 38 | 20 28 | 19 24 | 4 12 | 5 29 |
| T 31 | 17s23 | 17s56 | 1s30 | 20s12 | 1s55 | 20s17 | 2n56 | 16n43 | 1n 7 | 16n46 | 0n37 | 6n29 | 2s23 | 21s24 | 0s26 | 8s37 | 0s29 | 15s51 | 7n 5 | 20s38 | 20s27 | 19s25 | 4s10 | 5n29 |

Julian Day Number = 2816422.5, Delta T = 54m45s
Ecliptic obliquity = 23°18'31, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°43'31, Lahiri = 37°50'31


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# ASTRODIENST EPHEMERIS for the year 2999
# geocentric

## FEBRUARY 2999 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 8 46 31 | 12♒ 0'34 | 27♏40 | 8♒55 | 26♐16 | 13♉34 | 15°R 7 | 22♈31 | 25♋18 | 8♓58 | 10♋15 | 2°R57 | 1♐59 | 24♏27 | 6♓ 1 | F 1 |
| S 2 | 8 50 28 | 13° 1'38 | 9♐29 | 10°33 | 27°23 | 14° 8 | 14♌59 | 22°35 | 25°21 | 9° 0 | 10°17 | 2♐57 | 1°55 | 24°33 | 6° 5 | S 2 |
| S 3 | 8 54 24 | 14° 2'42 | 21°27 | 12°12 | 28°30 | 14°42 | 14°51 | 22°39 | 25°25 | 9° 3 | 10°18 | 2°56 | 1°52 | 24°40 | 6° 9 | S 3 |
| M 4 | 8 58 21 | 15° 3'46 | 3♋36 | 13°52 | 29°38 | 15°16 | 14°43 | 22°43 | 25°28 | 9° 5 | 10°20 | 2°52 | 1°49 | 24°47 | 6°13 | M 4 |
| T 5 | 9 2 17 | 16° 4'49 | 16° 0 | 15°32 | 0♋45 | 15°50 | 14°35 | 22°48 | 25°31 | 9° 7 | 10°22 | 2°45 | 1°46 | 24°53 | 6°17 | T 5 |
| W 6 | 9 6 14 | 17° 5'52 | 28°43 | 17°12 | 1°53 | 16°24 | 14°26 | 22°52 | 25°35 | 9° 9 | 10°24 | 2°35 | 1°43 | 25° 0 | 6°21 | W 6 |
| T 7 | 9 10 11 | 18° 6'54 | 11♒44 | 18°54 | 3° 1 | 16°58 | 14°18 | 22°56 | 25°38 | 9°11 | 10°26 | 2°23 | 1°40 | 25° 6 | 6°25 | T 7 |
| F 8 | 9 14 7 | 19° 7'56 | 25° 2 | 20°35 | 4°10 | 17°32 | 14°10 | 23° 1 | 25°42 | 9°13 | 10°28 | 2°10 | 1°36 | 25°13 | 6°29 | F 8 |
| S 9 | 9 18 4 | 20° 8'56 | 8♓36 | 22°18 | 5°18 | 18° 7 | 14° 2 | 23° 6 | 25°45 | 9°15 | 10°30 | 1°57 | 1°33 | 25°20 | 6°34 | S 9 |
| S 10 | 9 22 0 | 21° 9'57 | 22°23 | 24° 1 | 6°26 | 18°41 | 13°54 | 23°10 | 25°48 | 9°18 | 10°32 | 1°46 | 1°30 | 25°26 | 6°38 | S 10 |
| M11 | 9 25 57 | 22°10'56 | 6♈17 | 25°44 | 7°35 | 19°16 | 13°47 | 23°15 | 25°52 | 9°20 | 10°33 | 1°37 | 1°27 | 25°33 | 6°42 | M11 |
| T 12 | 9 29 53 | 23°11'54 | 20°18 | 27°28 | 8°44 | 19°51 | 13°39 | 23°20 | 25°55 | 9°22 | 10°35 | 1°31 | 1°24 | 25°40 | 6°46 | T 12 |
| W13 | 9 33 50 | 24°12'51 | 4♉21 | 29°13 | 9°53 | 20°25 | 13°31 | 23°25 | 25°58 | 9°24 | 10°37 | 1°27 | 1°20 | 25°46 | 6°50 | W13 |
| T 14 | 9 37 46 | 25°13'47 | 18°25 | 0♓58 | 11° 2 | 21° 0 | 13°23 | 23°30 | 26° 2 | 9°26 | 10°39 | 1°26 | 1°17 | 25°53 | 6°54 | T 14 |
| F 15 | 9 41 43 | 26°14'42 | 2♊30 | 2°43 | 12°11 | 21°35 | 13°15 | 23°35 | 26° 5 | 9°29 | 10°40 | 1°26 | 1°14 | 26° 0 | 6°59 | F 15 |
| S 16 | 9 45 40 | 27°15'36 | 16°34 | 4°29 | 13°20 | 22°10 | 13° 8 | 23°40 | 26° 8 | 9°31 | 10°42 | 1°26 | 1°11 | 26° 6 | 7° 3 | S 16 |
| S 17 | 9 49 36 | 28°16'28 | 0♋37 | 6°15 | 14°30 | 22°45 | 13° 0 | 23°46 | 26°11 | 9°33 | 10°44 | 1°24 | 1° 8 | 26°13 | 7° 7 | S 17 |
| M18 | 9 53 33 | 29°17'19 | 14°38 | 8° 1 | 15°39 | 23°21 | 12°53 | 23°51 | 26°15 | 9°35 | 10°45 | 1°19 | 1° 5 | 26°20 | 7°11 | M18 |
| T 19 | 9 57 29 | 0♓18'09 | 28°33 | 9°48 | 16°49 | 23°56 | 12°45 | 23°56 | 26°18 | 9°38 | 10°47 | 1°11 | 1° 1 | 26°26 | 7°16 | T 19 |
| W20 | 10 1 26 | 1°18'58 | 12♌21 | 11°34 | 17°59 | 24°31 | 12°38 | 24° 2 | 26°21 | 9°40 | 10°49 | 1° 0 | 0°58 | 26°33 | 7°20 | W20 |
| T 21 | 10 5 22 | 2°19'45 | 25°57 | 13°20 | 19° 9 | 25° 7 | 12°31 | 24° 7 | 26°24 | 9°42 | 10°50 | 0°47 | 0°55 | 26°39 | 7°24 | T 21 |
| F 22 | 10 9 19 | 3°20'32 | 9♍19 | 15° 6 | 20°19 | 25°42 | 12°24 | 24°13 | 26°27 | 9°44 | 10°52 | 0°34 | 0°52 | 26°46 | 7°28 | F 22 |
| S 23 | 10 13 15 | 4°21'17 | 22°23 | 16°51 | 21°29 | 26°17 | 12°17 | 24°19 | 26°30 | 9°47 | 10°53 | 0°21 | 0°49 | 26°53 | 7°33 | S 23 |
| S 24 | 10 17 12 | 5°22'01 | 5♎ 9 | 18°35 | 22°39 | 26°53 | 12°10 | 24°24 | 26°33 | 9°49 | 10°55 | 0°10 | 0°46 | 26°59 | 7°37 | S 24 |
| M25 | 10 21 9 | 6°22'44 | 17°36 | 20°18 | 23°49 | 27°29 | 12° 3 | 24°30 | 26°36 | 9°51 | 10°56 | 0° 1 | 0°42 | 27° 6 | 7°41 | M25 |
| T 26 | 10 25 5 | 7°23'26 | 29°48 | 21°59 | 25° 0 | 28° 4 | 11°56 | 24°36 | 26°39 | 9°53 | 10°58 | 29♏55 | 0°39 | 27°13 | 7°46 | T 26 |
| W27 | 10 29 2 | 8°24'07 | 11♏47 | 23°38 | 26°10 | 28°40 | 11°50 | 24°42 | 26°42 | 9°56 | 10°59 | 29°52 | 0°36 | 27°19 | 7°50 | W27 |
| T 28 | 10 32 58 | 9♓24'47 | 23♏38 | 25♓15 | 27♋21 | 29♉16 | 11♌44 | 24♈48 | 26♋45 | 9♓58 | 11♋ 0 | 29♏50 | 0♐33 | 27♏26 | 7♓54 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17s 6 | 19s59 | 0s28 | 19s49 | 1s57 | 20s22 | 2n54 | 16n54 | 1n 8 | 16n48 | 0n37 | 6n31 | 2s22 | 21s23 | 0s26 | 8s36 | 0s29 | 15s51 | 7n 5 | 20s38 | 20s27 | 19s26 | 4s 9 | 5n29 |
| S 2 | 16 49 | 21 11 | 0n35 | 19 25 | 2 0 | 20 26 | 2 51 | 17 5 | 1 8 | 16 51 | 0 37 | 6 32 | 2 22 | 21 23 | 0 26 | 8 35 | 0 29 | 15 51 | 7 5 | 20 38 | 20 26 | 19 27 | 4 8 | 5 29 |
| S 3 | 16 31 | 21 25 | 1 37 | 19 0 | 2 2 | 20 30 | 2 48 | 17 16 | 1 9 | 16 53 | 0 37 | 6 34 | 2 22 | 21 22 | 0 26 | 8 35 | 0 29 | 15 51 | 7 5 | 20 38 | 20 25 | 19 28 | 4 6 | 5 29 |
| M 4 | 16 14 | 20 40 | 2 35 | 18 33 | 2 3 | 20 33 | 2 46 | 17 26 | 1 10 | 16 56 | 0 38 | 6 36 | 2 22 | 21 21 | 0 26 | 8 34 | 0 29 | 15 51 | 7 5 | 20 37 | 20 25 | 19 28 | 4 5 | 5 28 |
| T 5 | 15 56 | 18 55 | 3 28 | 18 5 | 2 5 | 20 36 | 2 43 | 17 37 | 1 11 | 16 58 | 0 38 | 6 38 | 2 21 | 21 21 | 0 26 | 8 33 | 0 29 | 15 50 | 7 5 | 20 36 | 20 24 | 19 29 | 4 4 | 5 28 |
| W 6 | 15 38 | 16 13 | 4 11 | 17 35 | 2 6 | 20 38 | 2 40 | 17 47 | 1 11 | 17 1 | 0 38 | 6 39 | 2 21 | 21 20 | 0 26 | 8 32 | 0 29 | 15 50 | 7 5 | 20 34 | 20 23 | 19 30 | 4 3 | 5 28 |
| T 7 | 15 19 | 12 39 | 4 42 | 17 5 | 2 6 | 20 40 | 2 37 | 17 58 | 1 12 | 17 3 | 0 38 | 6 41 | 2 21 | 21 19 | 0 26 | 8 32 | 0 29 | 15 50 | 7 5 | 20 31 | 20 23 | 19 31 | 4 1 | 5 28 |
| F 8 | 15 0 | 8 24 | 4 59 | 16 33 | 2 6 | 20 41 | 2 34 | 18 8 | 1 12 | 17 6 | 0 38 | 6 43 | 2 21 | 21 19 | 0 26 | 8 31 | 0 29 | 15 50 | 7 5 | 20 29 | 20 22 | 19 31 | 4 0 | 5 28 |
| S 9 | 14 41 | 3 40 | 4 59 | 16 0 | 2 6 | 20 42 | 2 31 | 18 18 | 1 13 | 17 8 | 0 38 | 6 45 | 2 21 | 21 18 | 0 26 | 8 30 | 0 29 | 15 50 | 7 5 | 20 26 | 20 22 | 19 32 | 3 58 | 5 28 |
| S 10 | 14 22 | 1n19 | 4 42 | 15 25 | 2 5 | 20 42 | 2 27 | 18 28 | 1 14 | 17 10 | 0 38 | 6 47 | 2 20 | 21 18 | 0 26 | 8 29 | 0 29 | 15 49 | 7 5 | 20 24 | 20 21 | 19 33 | 3 57 | 5 27 |
| M11 | 14 2 | 6 17 | 4 8 | 14 49 | 2 4 | 20 42 | 2 24 | 18 38 | 1 14 | 17 13 | 0 38 | 6 49 | 2 20 | 21 17 | 0 26 | 8 28 | 0 29 | 15 49 | 7 5 | 20 22 | 20 20 | 19 34 | 3 56 | 5 27 |
| T 12 | 13 43 | 10 58 | 3 19 | 14 12 | 2 3 | 20 41 | 2 21 | 18 48 | 1 15 | 17 15 | 0 38 | 6 51 | 2 20 | 21 16 | 0 26 | 8 27 | 0 29 | 15 49 | 7 6 | 20 21 | 20 20 | 19 34 | 3 54 | 5 27 |
| W13 | 13 23 | 15 4 | 2 18 | 13 34 | 2 0 | 20 40 | 2 17 | 18 58 | 1 15 | 17 17 | 0 39 | 6 53 | 2 20 | 21 16 | 0 26 | 8 27 | 0 29 | 15 49 | 7 6 | 20 20 | 20 19 | 19 35 | 3 53 | 5 27 |
| T 14 | 13 2 | 18 19 | 1 8 | 12 55 | 1 58 | 20 38 | 2 14 | 19 8 | 1 16 | 17 20 | 0 39 | 6 55 | 2 20 | 21 15 | 0 26 | 8 26 | 0 29 | 15 49 | 7 6 | 20 20 | 20 18 | 19 36 | 3 52 | 5 27 |
| F 15 | 12 42 | 20 27 | 0s 6 | 12 14 | 1 55 | 20 35 | 2 11 | 19 17 | 1 16 | 17 22 | 0 39 | 6 57 | 2 19 | 21 15 | 0 26 | 8 25 | 0 29 | 15 48 | 7 6 | 20 20 | 20 18 | 19 36 | 3 50 | 5 27 |
| S 16 | 12 21 | 21 19 | 1 19 | 11 32 | 1 51 | 20 32 | 2 7 | 19 27 | 1 17 | 17 24 | 0 39 | 6 59 | 2 19 | 21 14 | 0 26 | 8 24 | 0 29 | 15 48 | 7 6 | 20 20 | 20 17 | 19 37 | 3 49 | 5 27 |
| S 17 | 12 1 | 20 51 | 2 28 | 10 49 | 1 47 | 20 29 | 2 3 | 19 36 | 1 17 | 17 26 | 0 39 | 7 1 | 2 19 | 21 13 | 0 26 | 8 23 | 0 29 | 15 48 | 7 6 | 20 20 | 20 16 | 19 38 | 3 47 | 5 27 |
| M18 | 11 40 | 19 5 | 3 27 | 10 5 | 1 42 | 20 25 | 2 0 | 19 46 | 1 18 | 17 29 | 0 39 | 7 3 | 2 19 | 21 13 | 0 26 | 8 22 | 0 29 | 15 48 | 7 6 | 20 19 | 20 16 | 19 38 | 3 46 | 5 26 |
| T 19 | 11 18 | 16 12 | 4 14 | 9 20 | 1 36 | 20 20 | 1 56 | 19 55 | 1 18 | 17 31 | 0 39 | 7 5 | 2 19 | 21 12 | 0 26 | 8 22 | 0 29 | 15 48 | 7 6 | 20 17 | 20 15 | 19 39 | 3 44 | 5 26 |
| W20 | 10 57 | 12 27 | 4 45 | 8 35 | 1 30 | 20 15 | 1 52 | 20 4 | 1 19 | 17 33 | 0 39 | 7 8 | 2 18 | 21 12 | 0 26 | 8 21 | 0 29 | 15 48 | 7 6 | 20 15 | 20 14 | 19 40 | 3 43 | 5 26 |
| T 21 | 10 35 | 8 6 | 4 59 | 7 48 | 1 23 | 20 9 | 1 49 | 20 13 | 1 19 | 17 35 | 0 39 | 7 10 | 2 18 | 21 11 | 0 26 | 8 20 | 0 29 | 15 47 | 7 6 | 20 12 | 20 14 | 19 41 | 3 41 | 5 26 |
| F 22 | 10 14 | 3 27 | 4 57 | 7 0 | 1 16 | 20 3 | 1 45 | 20 22 | 1 19 | 17 37 | 0 39 | 7 12 | 2 18 | 21 11 | 0 26 | 8 19 | 0 29 | 15 47 | 7 6 | 20 9 | 20 13 | 19 41 | 3 40 | 5 26 |
| S 23 | 9 52 | 1s16 | 4 39 | 6 12 | 1 8 | 19 56 | 1 41 | 20 31 | 1 20 | 17 39 | 0 39 | 7 14 | 2 18 | 21 10 | 0 26 | 8 18 | 0 29 | 15 47 | 7 6 | 20 7 | 20 13 | 19 42 | 3 38 | 5 26 |
| S 24 | 9 30 | 5 49 | 4 7 | 5 24 | 0 59 | 19 49 | 1 37 | 20 39 | 1 20 | 17 41 | 0 39 | 7 16 | 2 18 | 21 10 | 0 26 | 8 17 | 0 29 | 15 47 | 7 6 | 20 4 | 20 12 | 19 43 | 3 37 | 5 26 |
| M25 | 9 7 | 10 1 | 3 24 | 4 35 | 0 49 | 19 41 | 1 34 | 20 48 | 1 21 | 17 43 | 0 39 | 7 19 | 2 18 | 21 9 | 0 26 | 8 17 | 0 29 | 15 46 | 7 7 | 20 3 | 20 11 | 19 43 | 3 35 | 5 26 |
| T 26 | 8 45 | 13 43 | 2 32 | 3 45 | 0 39 | 19 33 | 1 30 | 20 56 | 1 21 | 17 45 | 0 39 | 7 21 | 2 17 | 21 8 | 0 26 | 8 16 | 0 29 | 15 46 | 7 7 | 20 1 | 20 11 | 19 44 | 3 34 | 5 26 |
| W27 | 8 22 | 16 47 | 1 34 | 2 56 | 0 28 | 19 24 | 1 26 | 21 4 | 1 21 | 17 47 | 0 40 | 7 23 | 2 17 | 21 8 | 0 26 | 8 15 | 0 29 | 15 46 | 7 7 | 20 1 | 20 10 | 19 44 | 3 32 | 5 26 |
| T 28 | 8s 0 | 19s 7 | 0s33 | 2s 8 | 0s16 | 19s14 | 1n22 | 21n13 | 1n22 | 17n49 | 0n40 | 7n26 | 2s17 | 21s 7 | 0s26 | 8s14 | 0s29 | 15s46 | 7n 7 | 20s 0 | 20s 9 | 19s45 | 3s31 | 5n26 |

Julian Day Number = 2816453.5, Delta T = 54m46s
Ecliptic obliquity = 23°18'31, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°43'35, Lahiri = 37°50'36


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# ASTRODIENST EPHEMERIS for the year 2999
# geocentric

## MARCH 2999 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 36 55 | 10♓25'26 | 5♐26 | 26♓49 | 28♑32 | 29♉52 | 11°R37 | 24♈54 | 26♑48 | 10♓ 0 | 11♑ 2 | 29°R50 | 0♐30 | 27♏33 | 7♓58 | F 1 |
| S 2 | 10 40 51 | 11°26'04 | 17°15 | 28°19 | 29°42 | 0♊28 | 11♌31 | 25° 0 | 26°50 | 10° 3 | 11° 3 | 29♏50 | 0°26 | 27°39 | 8° 3 | S 2 |
| S 3 | 10 44 48 | 12°26'41 | 29°13 | 29°45 | 0♒53 | 1° 4 | 11°25 | 25° 6 | 26°53 | 10° 5 | 11° 4 | 29°49 | 0°23 | 27°46 | 8° 7 | S 3 |
| M 4 | 10 48 44 | 13°27'17 | 11♑24 | 1♈ 6 | 2° 4 | 1°40 | 11°19 | 25°12 | 26°56 | 10° 7 | 11° 6 | 29°46 | 0°20 | 27°53 | 8°11 | M 4 |
| T 5 | 10 52 41 | 14°27'51 | 23°52 | 2°21 | 3°15 | 2°16 | 11°14 | 25°19 | 26°59 | 10° 9 | 11° 7 | 29°40 | 0°17 | 27°59 | 8°15 | T 5 |
| W 6 | 10 56 38 | 15°28'24 | 6♒42 | 3°31 | 4°26 | 2°52 | 11° 8 | 25°25 | 27° 1 | 10°12 | 11° 8 | 29°32 | 0°14 | 28° 6 | 8°20 | W 6 |
| T 7 | 11 0 34 | 16°28'56 | 19°55 | 4°33 | 5°38 | 3°28 | 11° 3 | 25°31 | 27° 4 | 10°14 | 11° 9 | 29°21 | 0°11 | 28°12 | 8°24 | T 7 |
| F 8 | 11 4 31 | 17°29'27 | 3♓30 | 5°28 | 6°49 | 4° 4 | 10°57 | 25°38 | 27° 7 | 10°16 | 11°10 | 29° 9 | 0° 7 | 28°19 | 8°28 | F 8 |
| S 9 | 11 8 27 | 18°29'56 | 17°27 | 6°15 | 8° 0 | 4°40 | 10°52 | 25°44 | 27° 9 | 10°19 | 11°12 | 28°57 | 0° 4 | 28°26 | 8°32 | S 9 |
| S 10 | 11 12 24 | 19°30'24 | 1♈39 | 6°53 | 9°11 | 5°17 | 10°47 | 25°51 | 27°12 | 10°21 | 11°13 | 28°47 | 0° 1 | 28°32 | 8°37 | S 10 |
| M11 | 11 16 20 | 20°30'50 | 16° 1 | 7°21 | 10°23 | 5°53 | 10°43 | 25°57 | 27°14 | 10°23 | 11°14 | 28°38 | 29♏58 | 28°39 | 8°41 | M11 |
| T 12 | 11 20 17 | 21°31'14 | 0♉28 | 7°40 | 11°34 | 6°29 | 10°38 | 26° 4 | 27°17 | 10°25 | 11°15 | 28°32 | 29°55 | 28°46 | 8°45 | T 12 |
| W13 | 11 24 13 | 22°31'36 | 14°53 | 7°R50 | 12°46 | 7° 6 | 10°34 | 26°11 | 27°19 | 10°28 | 11°16 | 28°29 | 29°51 | 28°52 | 8°49 | W13 |
| T 14 | 11 28 10 | 23°31'57 | 29°13 | 7°49 | 13°58 | 7°42 | 10°29 | 26°17 | 27°22 | 10°30 | 11°17 | 28°D29 | 29°48 | 28°59 | 8°53 | T 14 |
| F 15 | 11 32 6 | 24°32'16 | 13♊26 | 7°39 | 15° 9 | 8°19 | 10°25 | 26°24 | 27°24 | 10°32 | 11°18 | 28°29 | 29°45 | 29° 6 | 8°58 | F 15 |
| S 16 | 11 36 3 | 25°32'33 | 27°29 | 7°19 | 16°21 | 8°55 | 10°21 | 26°31 | 27°26 | 10°34 | 11°19 | 28°R29 | 29°42 | 29°12 | 9° 2 | S 16 |
| S 17 | 11 40 0 | 26°32'48 | 11♋22 | 6°51 | 17°33 | 9°32 | 10°18 | 26°38 | 27°29 | 10°36 | 11°20 | 28°28 | 29°39 | 29°19 | 9° 6 | S 17 |
| M18 | 11 43 56 | 27°33'00 | 25° 5 | 6°14 | 18°44 | 10° 8 | 10°14 | 26°45 | 27°31 | 10°39 | 11°20 | 28°25 | 29°36 | 29°26 | 9°10 | M18 |
| T 19 | 11 47 53 | 28°33'11 | 8♌38 | 5°30 | 19°56 | 10°45 | 10°11 | 26°52 | 27°33 | 10°41 | 11°21 | 28°20 | 29°32 | 29°32 | 9°14 | T 19 |
| W20 | 11 51 49 | 29°33'20 | 22° 0 | 4°40 | 21° 8 | 11°21 | 10° 8 | 26°58 | 27°35 | 10°43 | 11°22 | 28°11 | 29°29 | 29°39 | 9°18 | W20 |
| T 21 | 11 55 46 | 0♈33'27 | 5♍11 | 3°45 | 22°20 | 11°58 | 10° 5 | 27° 5 | 27°37 | 10°45 | 11°23 | 28° 2 | 29°26 | 29°45 | 9°22 | T 21 |
| F 22 | 11 59 42 | 1°33'31 | 18° 9 | 2°47 | 23°32 | 12°35 | 10° 2 | 27°12 | 27°39 | 10°47 | 11°24 | 27°51 | 29°23 | 29°52 | 9°26 | F 22 |
| S 23 | 12 3 39 | 2°33'34 | 0♎54 | 1°47 | 24°44 | 13°11 | 9°59 | 27°20 | 27°41 | 10°50 | 11°24 | 27°41 | 29°20 | 29°59 | 9°30 | S 23 |
| S 24 | 12 7 35 | 3°33'36 | 13°25 | 0°46 | 25°56 | 13°48 | 9°57 | 27°27 | 27°43 | 10°52 | 11°25 | 27°32 | 29°17 | 0♐ 5 | 9°34 | S 24 |
| M25 | 12 11 32 | 4°33'35 | 25°43 | 29♓46 | 27° 8 | 14°25 | 9°55 | 27°34 | 27°45 | 10°54 | 11°26 | 27°25 | 29°13 | 0°12 | 9°38 | M25 |
| T 26 | 12 15 29 | 5°33'33 | 7♏49 | 28°48 | 28°21 | 15° 2 | 9°53 | 27°41 | 27°47 | 10°56 | 11°26 | 27°21 | 29°10 | 0°19 | 9°42 | T 26 |
| W27 | 12 19 25 | 6°33'29 | 19°45 | 27°54 | 29°33 | 15°38 | 9°51 | 27°48 | 27°49 | 10°58 | 11°27 | 27°19 | 29° 7 | 0°25 | 9°46 | W27 |
| T 28 | 12 23 22 | 7°33'23 | 1♐35 | 27° 3 | 0♓45 | 16°15 | 9°49 | 27°55 | 27°51 | 11° 0 | 11°27 | 27°D18 | 29° 4 | 0°32 | 9°50 | T 28 |
| F 29 | 12 27 18 | 8°33'16 | 13°22 | 26°18 | 1°57 | 16°52 | 9°48 | 28° 2 | 27°52 | 11° 2 | 11°28 | 27°19 | 29° 1 | 0°39 | 9°54 | F 29 |
| S 30 | 12 31 15 | 9°33'07 | 25°11 | 25°38 | 3°10 | 17°29 | 9°47 | 28°10 | 27°54 | 11° 4 | 11°28 | 27°21 | 28°57 | 0°45 | 9°58 | S 30 |
| S 31 | 12 35 11 | 10♈32'57 | 7♑ 8 | 25♓ 4 | 4♓22 | 18♊ 6 | 9♌46 | 28♈17 | 27♑56 | 11♓ 6 | 11♑29 | 27°R22 | 28♏54 | 0♐52 | 10♓ 1 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7s37 | 20s36 | 0n30 | 1s19 | 0s 4 | 19s 4 | 1n18 | 21n21 | 1n22 | 17n50 | 0n40 | 7n28 | 2s17 | 21s 7 | 0s26 | 8s13 | 0s29 | 15s46 | 7n 7 | 20s 0 | 20s 9 | 19s46 | 3s29 | 5n26 |
| S 2 | 7 14 | 21 11 | 1 31 | 0 32 | 0n 9 | 18 53 | 1 14 | 21 29 | 1 22 | 17 52 | 0 40 | 7 30 | 2 17 | 21 6 | 0 26 | 8 12 | 0 29 | 15 45 | 7 7 | 20 0 | 20 8 | 19 46 | 3 28 | 5 26 |
| S 3 | 6 51 | 20 49 | 2 29 | 0n14 | 0 22 | 18 42 | 1 10 | 21 36 | 1 23 | 17 54 | 0 40 | 7 33 | 2 17 | 21 6 | 0 26 | 8 11 | 0 29 | 15 45 | 7 7 | 20 0 | 20 7 | 19 47 | 3 26 | 5 26 |
| M 4 | 6 28 | 19 28 | 3 22 | 0 59 | 0 36 | 18 31 | 1 7 | 21 44 | 1 23 | 17 55 | 0 40 | 7 35 | 2 16 | 21 5 | 0 26 | 8 11 | 0 29 | 15 45 | 7 7 | 19 59 | 20 7 | 19 48 | 3 25 | 5 25 |
| T 5 | 6 5 | 17 11 | 4 6 | 1 42 | 0 51 | 18 18 | 1 3 | 21 51 | 1 23 | 17 57 | 0 40 | 7 37 | 2 16 | 21 5 | 0 26 | 8 10 | 0 29 | 15 45 | 7 7 | 19 58 | 20 6 | 19 48 | 3 23 | 5 25 |
| W 6 | 5 42 | 14 0 | 4 39 | 2 23 | 1 5 | 18 6 | 0 59 | 21 59 | 1 23 | 17 59 | 0 40 | 7 40 | 2 16 | 21 4 | 0 26 | 8 9 | 0 29 | 15 45 | 7 7 | 19 56 | 20 5 | 19 49 | 3 22 | 5 25 |
| T 7 | 5 18 | 10 2 | 4 58 | 3 2 | 1 20 | 17 52 | 0 55 | 22 6 | 1 24 | 18 0 | 0 40 | 7 42 | 2 16 | 21 4 | 0 26 | 8 8 | 0 29 | 15 44 | 7 8 | 19 54 | 20 5 | 19 50 | 3 20 | 5 25 |
| F 8 | 4 55 | 5 29 | 5 1 | 3 37 | 1 35 | 17 39 | 0 51 | 22 13 | 1 24 | 18 2 | 0 40 | 7 45 | 2 16 | 21 3 | 0 27 | 8 7 | 0 29 | 15 44 | 7 8 | 19 52 | 20 4 | 19 50 | 3 19 | 5 25 |
| S 9 | 4 31 | 0 32 | 4 47 | 4 9 | 1 50 | 17 24 | 0 47 | 22 20 | 1 24 | 18 3 | 0 40 | 7 47 | 2 16 | 21 3 | 0 27 | 8 6 | 0 29 | 15 44 | 7 8 | 19 49 | 20 3 | 19 51 | 3 17 | 5 25 |
| S 10 | 4 8 | 4n33 | 4 14 | 4 38 | 2 5 | 17 10 | 0 43 | 22 27 | 1 24 | 18 4 | 0 40 | 7 50 | 2 16 | 21 2 | 0 27 | 8 6 | 0 29 | 15 44 | 7 8 | 19 47 | 20 3 | 19 51 | 3 16 | 5 25 |
| M11 | 3 44 | 9 26 | 3 26 | 5 2 | 2 19 | 16 54 | 0 40 | 22 34 | 1 25 | 18 6 | 0 40 | 7 52 | 2 15 | 21 2 | 0 27 | 8 5 | 0 29 | 15 44 | 7 8 | 19 45 | 20 2 | 19 52 | 3 14 | 5 25 |
| T 12 | 3 21 | 13 49 | 2 23 | 5 22 | 2 33 | 16 39 | 0 36 | 22 40 | 1 25 | 18 7 | 0 40 | 7 55 | 2 15 | 21 1 | 0 27 | 8 4 | 0 29 | 15 43 | 7 8 | 19 44 | 20 1 | 19 53 | 3 12 | 5 25 |
| W13 | 2 57 | 17 22 | 1 12 | 5 38 | 2 46 | 16 23 | 0 32 | 22 46 | 1 25 | 18 8 | 0 40 | 7 57 | 2 15 | 21 1 | 0 27 | 8 3 | 0 29 | 15 43 | 7 8 | 19 43 | 20 1 | 19 53 | 3 11 | 5 25 |
| T 14 | 2 33 | 19 49 | 0s 4 | 5 48 | 2 57 | 16 6 | 0 28 | 22 53 | 1 25 | 18 9 | 0 40 | 8 0 | 2 15 | 21 1 | 0 27 | 8 2 | 0 29 | 15 43 | 7 8 | 19 43 | 20 0 | 19 54 | 3 9 | 5 25 |
| F 15 | 2 10 | 20 59 | 1 19 | 5 54 | 3 8 | 15 49 | 0 24 | 22 59 | 1 25 | 18 10 | 0 40 | 8 2 | 2 15 | 21 0 | 0 27 | 8 1 | 0 29 | 15 43 | 7 9 | 19 43 | 19 59 | 19 54 | 3 8 | 5 25 |
| S 16 | 1 46 | 20 49 | 2 28 | 5 55 | 3 17 | 15 31 | 0 21 | 23 5 | 1 26 | 18 11 | 0 40 | 8 5 | 2 15 | 21 0 | 0 27 | 8 1 | 0 29 | 15 43 | 7 9 | 19 43 | 19 59 | 19 55 | 3 6 | 5 26 |
| S 17 | 1 22 | 19 22 | 3 28 | 5 50 | 3 25 | 15 13 | 0 17 | 23 10 | 1 26 | 18 12 | 0 40 | 8 7 | 2 15 | 20 59 | 0 27 | 8 0 | 0 29 | 15 42 | 7 9 | 19 43 | 19 58 | 19 55 | 3 5 | 5 26 |
| M18 | 0 58 | 16 49 | 4 15 | 5 41 | 3 31 | 14 55 | 0 13 | 23 16 | 1 26 | 18 13 | 0 40 | 8 10 | 2 15 | 20 59 | 0 27 | 7 59 | 0 29 | 15 42 | 7 9 | 19 42 | 19 57 | 19 56 | 3 3 | 5 26 |
| T 19 | 0 34 | 13 23 | 4 47 | 5 27 | 3 34 | 14 36 | 0 10 | 23 21 | 1 26 | 18 14 | 0 40 | 8 12 | 2 15 | 20 59 | 0 27 | 7 58 | 0 29 | 15 42 | 7 9 | 19 41 | 19 57 | 19 57 | 3 2 | 5 26 |
| W20 | 0 11 | 9 19 | 5 3 | 5 9 | 3 36 | 14 17 | 0 6 | 23 27 | 1 26 | 18 15 | 0 40 | 8 15 | 2 14 | 20 58 | 0 27 | 7 57 | 0 29 | 15 42 | 7 9 | 19 39 | 19 56 | 19 57 | 3 0 | 5 26 |
| T 21 | 0n13 | 4 52 | 5 2 | 4 47 | 3 36 | 13 57 | 0 3 | 23 32 | 1 26 | 18 16 | 0 40 | 8 17 | 2 14 | 20 58 | 0 27 | 7 57 | 0 29 | 15 42 | 7 9 | 19 37 | 19 55 | 19 58 | 2 59 | 5 26 |
| F 22 | 0 37 | 0 16 | 4 46 | 4 22 | 3 33 | 13 37 | 0s 1 | 23 37 | 1 27 | 18 17 | 0 40 | 8 20 | 2 14 | 20 57 | 0 27 | 7 56 | 0 29 | 15 41 | 7 9 | 19 34 | 19 55 | 19 58 | 2 57 | 5 26 |
| S 23 | 1 1 | 4s16 | 4 16 | 3 54 | 3 29 | 13 17 | 0 4 | 23 41 | 1 27 | 18 17 | 0 40 | 8 23 | 2 14 | 20 57 | 0 27 | 7 55 | 0 29 | 15 41 | 7 10 | 19 32 | 19 54 | 19 59 | 2 55 | 5 26 |
| S 24 | 1 24 | 8 33 | 3 33 | 3 24 | 3 22 | 12 56 | 0 8 | 23 46 | 1 27 | 18 18 | 0 40 | 8 25 | 2 14 | 20 57 | 0 27 | 7 54 | 0 29 | 15 41 | 7 10 | 19 30 | 19 53 | 19 59 | 2 54 | 5 26 |
| M25 | 1 48 | 12 24 | 2 42 | 2 53 | 3 14 | 12 35 | 0 11 | 23 51 | 1 27 | 18 19 | 0 40 | 8 28 | 2 14 | 20 56 | 0 27 | 7 53 | 0 29 | 15 41 | 7 10 | 19 29 | 19 52 | 20 0 | 2 52 | 5 26 |
| T 26 | 2 12 | 15 40 | 1 43 | 2 21 | 3 4 | 12 13 | 0 15 | 23 55 | 1 27 | 18 19 | 0 40 | 8 30 | 2 14 | 20 56 | 0 27 | 7 53 | 0 29 | 15 41 | 7 10 | 19 28 | 19 52 | 20 0 | 2 51 | 5 26 |
| W27 | 2 35 | 18 14 | 0 41 | 1 49 | 2 53 | 11 51 | 0 18 | 23 59 | 1 27 | 18 20 | 0 40 | 8 33 | 2 14 | 20 56 | 0 27 | 7 52 | 0 29 | 15 41 | 7 10 | 19 27 | 19 51 | 20 1 | 2 49 | 5 26 |
| T 28 | 2 59 | 19 59 | 0n23 | 1 17 | 2 40 | 11 29 | 0 21 | 24 3 | 1 27 | 18 20 | 0 40 | 8 36 | 2 14 | 20 55 | 0 27 | 7 51 | 0 29 | 15 40 | 7 10 | 19 27 | 19 50 | 20 1 | 2 48 | 5 26 |
| F 29 | 3 22 | 20 52 | 1 26 | 0 47 | 2 27 | 11 6 | 0 24 | 24 7 | 1 27 | 18 20 | 0 40 | 8 38 | 2 14 | 20 55 | 0 27 | 7 50 | 0 29 | 15 40 | 7 10 | 19 27 | 19 50 | 20 2 | 2 46 | 5 26 |
| S 30 | 3 46 | 20 48 | 2 25 | 0 18 | 2 12 | 10 43 | 0 28 | 24 10 | 1 27 | 18 21 | 0 40 | 8 41 | 2 14 | 20 55 | 0 27 | 7 49 | 0 29 | 15 40 | 7 11 | 19 28 | 19 49 | 20 2 | 2 45 | 5 26 |
| S 31 | 4n 9 | 19s49 | 3n19 | 0s 9 | 1n58 | 10s20 | 0s31 | 24n14 | 1n27 | 18n21 | 0n40 | 8n44 | 2s13 | 20s54 | 0s27 | 7s49 | 0s29 | 15s40 | 7n11 | 19s28 | 19s48 | 20s 3 | 2s43 | 5n27 |

Julian Day Number = 2816481.5, Delta T = 54m46s
Ecliptic obliquity = 23°18'31, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°43'39, Lahiri = 37°50'39


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# ASTRODIENST EPHEMERIS for the year 2999
# geocentric

## APRIL 2999 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 39 8 | 11♈32'44 | 19♉18 | 24°R36 | 5♓34 | 18♊43 | 9°R45 | 28♈24 | 27♉57 | 11♓ 8 | 11♉29 | 27°R21 | 28♏51 | 0♐59 | 10♓ 5 | M 1 |
| T 2 | 12 43 4 | 12°32'31 | 1♒45 | 24♓14 | 6°47 | 19°20 | 9♋44 | 28°32 | 27°59 | 11°10 | 11°30 | 27♏19 | 28°48 | 1° 5 | 10° 9 | T 2 |
| W 3 | 12 47 1 | 13°32'15 | 14°34 | 23°59 | 7°59 | 19°57 | 9°44 | 28°39 | 28° 1 | 11°12 | 11°30 | 27°16 | 28°45 | 1°12 | 10°13 | W 3 |
| T 4 | 12 50 58 | 14°31'58 | 27°49 | 23°50 | 9°12 | 20°33 | 9°44 | 28°46 | 28° 2 | 11°14 | 11°30 | 27°10 | 28°42 | 1°18 | 10°16 | T 4 |
| F 5 | 12 54 54 | 15°31'39 | 11♓30 | 23°D47 | 10°24 | 21°10 | 9°D43 | 28°54 | 28° 3 | 11°16 | 11°30 | 27° 4 | 28°38 | 1°25 | 10°20 | F 5 |
| S 6 | 12 58 51 | 16°31'18 | 25°37 | 23°51 | 11°37 | 21°47 | 9°44 | 29° 1 | 28° 5 | 11°18 | 11°31 | 26°57 | 28°35 | 1°32 | 10°24 | S 6 |
| S 7 | 13 2 47 | 17°30'56 | 10♈ 4 | 23°59 | 12°49 | 22°24 | 9°44 | 29° 9 | 28° 6 | 11°20 | 11°31 | 26°51 | 28°32 | 1°38 | 10°27 | S 7 |
| M 8 | 13 6 44 | 18°30'31 | 24°48 | 24°14 | 14° 2 | 23° 1 | 9°44 | 29°16 | 28° 7 | 11°22 | 11°31 | 26°46 | 28°29 | 1°45 | 10°31 | M 8 |
| T 9 | 13 10 40 | 19°30'05 | 9♉39 | 24°33 | 15°15 | 23°38 | 9°45 | 29°23 | 28° 9 | 11°24 | 11°31 | 26°43 | 28°26 | 1°52 | 10°34 | T 9 |
| W10 | 13 14 37 | 20°29'36 | 24°30 | 24°57 | 16°27 | 24°16 | 9°46 | 29°31 | 28°10 | 11°26 | 11°31 | 26°D42 | 28°23 | 1°58 | 10°38 | W10 |
| T 11 | 13 18 33 | 21°29'06 | 9♊14 | 25°26 | 17°40 | 24°53 | 9°47 | 29°38 | 28°11 | 11°28 | 11°31 | 26°42 | 28°19 | 2° 5 | 10°41 | T 11 |
| F 12 | 13 22 30 | 22°28'33 | 23°45 | 26° 0 | 18°53 | 25°30 | 9°48 | 29°46 | 28°12 | 11°30 | 11°31 | 26°44 | 28°16 | 2°12 | 10°45 | F 12 |
| S 13 | 13 26 26 | 23°27'58 | 8♋ 0 | 26°37 | 20° 5 | 26° 7 | 9°50 | 29°53 | 28°13 | 11°31 | 11°R31 | 26°45 | 28°13 | 2°18 | 10°48 | S 13 |
| S 14 | 13 30 23 | 24°27'20 | 21°57 | 27°19 | 21°18 | 26°44 | 9°52 | 0♉ 1 | 28°14 | 11°33 | 11°31 | 26°R46 | 28°10 | 2°25 | 10°52 | S 14 |
| M15 | 13 34 20 | 25°26'41 | 5♌36 | 28° 4 | 22°31 | 27°21 | 9°53 | 0° 8 | 28°15 | 11°35 | 11°31 | 26°45 | 28° 7 | 2°32 | 10°55 | M15 |
| T 16 | 13 38 16 | 26°25'58 | 18°58 | 28°52 | 23°43 | 27°58 | 9°55 | 0°16 | 28°16 | 11°37 | 11°31 | 26°44 | 28° 3 | 2°38 | 10°58 | T 16 |
| W17 | 13 42 13 | 27°25'14 | 2♍ 4 | 29°44 | 24°56 | 28°35 | 9°58 | 0°23 | 28°16 | 11°39 | 11°31 | 26°40 | 28° 0 | 2°45 | 11° 1 | W17 |
| T 18 | 13 46 9 | 28°24'27 | 14°55 | 0♈39 | 26° 9 | 29°12 | 10° 0 | 0°31 | 28°17 | 11°40 | 11°31 | 26°36 | 27°57 | 2°52 | 11° 5 | T 18 |
| F 19 | 13 50 6 | 29°23'39 | 27°32 | 1°37 | 27°22 | 29°50 | 10° 3 | 0°38 | 28°18 | 11°42 | 11°31 | 26°32 | 27°54 | 2°58 | 11° 8 | F 19 |
| S 20 | 13 54 2 | 0♉22'48 | 9♎58 | 2°38 | 28°35 | 0♋27 | 10° 5 | 0°46 | 28°19 | 11°44 | 11°31 | 26°27 | 27°51 | 3° 5 | 11°11 | S 20 |
| S 21 | 13 57 59 | 1°21'55 | 22°13 | 3°41 | 29°47 | 1° 4 | 10° 8 | 0°53 | 28°19 | 11°45 | 11°30 | 26°23 | 27°48 | 3°11 | 11°14 | S 21 |
| M22 | 14 1 55 | 2°21'00 | 4♏18 | 4°47 | 1♈ 0 | 1°41 | 10°11 | 1° 1 | 28°20 | 11°47 | 11°30 | 26°21 | 27°44 | 3°18 | 11°17 | M22 |
| T 23 | 14 5 52 | 3°20'03 | 16°16 | 5°55 | 2°13 | 2°18 | 10°15 | 1° 9 | 28°20 | 11°48 | 11°30 | 26°19 | 27°41 | 3°25 | 11°20 | T 23 |
| W24 | 14 9 49 | 4°19'04 | 28° 7 | 7° 6 | 3°26 | 2°55 | 10°18 | 1°16 | 28°21 | 11°50 | 11°30 | 26°D19 | 27°38 | 3°31 | 11°23 | W24 |
| T 25 | 14 13 45 | 5°18'03 | 9♐55 | 8°19 | 4°39 | 3°32 | 10°22 | 1°24 | 28°21 | 11°52 | 11°29 | 26°19 | 27°35 | 3°38 | 11°26 | T 25 |
| F 26 | 14 17 42 | 6°17'01 | 21°43 | 9°34 | 5°52 | 4°10 | 10°26 | 1°31 | 28°21 | 11°53 | 11°29 | 26°21 | 27°32 | 3°45 | 11°29 | F 26 |
| S 27 | 14 21 38 | 7°15'56 | 3♑33 | 10°51 | 7° 5 | 4°47 | 10°30 | 1°39 | 28°22 | 11°55 | 11°28 | 26°22 | 27°28 | 3°51 | 11°32 | S 27 |
| S 28 | 14 25 35 | 8°14'50 | 15°31 | 12°10 | 8°18 | 5°24 | 10°34 | 1°46 | 28°22 | 11°56 | 11°28 | 26°24 | 27°25 | 3°58 | 11°34 | S 28 |
| M29 | 14 29 31 | 9°13'42 | 27°40 | 13°31 | 9°30 | 6° 1 | 10°38 | 1°54 | 28°22 | 11°58 | 11°27 | 26°25 | 27°22 | 4° 5 | 11°37 | M29 |
| T 30 | 14 33 28 | 10♉12'33 | 10♒ 5 | 14♈54 | 10♈43 | 6♋38 | 10♌43 | 2♉ 1 | 28♑22 | 11♓59 | 11♑27 | 26°R25 | 27♏19 | 4♐11 | 11♓40 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 4n33 | 17s54 | 4n 4 | 0s34 | 1n43 | 9s56 | 0s34 | 24n17 | 1n27 | 18n21 | 0n40 | 8n46 | 2s13 | 20s54 | 0s27 | 7s48 | 0s29 | 15s40 | 7n11 | 19s28 | 19s48 | 20s 3 | 2s42 | 5n27 | M 1 |
| T 2 | 4 56 | 15 7 | 4 40 | 0 56 | 1 27 | 9 33 | 0 37 | 24 20 | 1 28 | 18 21 | 0 40 | 8 49 | 2 13 | 20 54 | 0 27 | 7 47 | 0 29 | 15 39 | 7 11 | 19 27 | 19 47 | 20 4 | 2 40 | 5 27 | T 2 |
| W 3 | 5 19 | 11 33 | 5 2 | 1 16 | 1 12 | 9 9 | 0 40 | 24 23 | 1 28 | 18 21 | 0 40 | 8 51 | 2 13 | 20 54 | 0 27 | 7 46 | 0 29 | 15 39 | 7 11 | 19 26 | 19 46 | 20 4 | 2 39 | 5 27 | W 3 |
| T 4 | 5 42 | 7 19 | 5 10 | 1 34 | 0 57 | 8 44 | 0 43 | 24 26 | 1 28 | 18 22 | 0 40 | 8 54 | 2 13 | 20 53 | 0 27 | 7 46 | 0 29 | 15 39 | 7 11 | 19 25 | 19 46 | 20 5 | 2 37 | 5 27 | T 4 |
| F 5 | 6 5 | 2 35 | 5 0 | 1 49 | 0 42 | 8 20 | 0 45 | 24 28 | 1 28 | 18 22 | 0 40 | 8 57 | 2 13 | 20 53 | 0 27 | 7 45 | 0 29 | 15 39 | 7 11 | 19 24 | 19 45 | 20 5 | 2 36 | 5 27 | F 5 |
| S 6 | 6 28 | 2n26 | 4 32 | 2 1 | 0 28 | 7 55 | 0 48 | 24 31 | 1 28 | 18 22 | 0 40 | 8 59 | 2 13 | 20 53 | 0 27 | 7 44 | 0 29 | 15 39 | 7 11 | 19 22 | 19 44 | 20 6 | 2 34 | 5 27 | S 6 |
| S 7 | 6 50 | 7 27 | 3 47 | 2 10 | 0 13 | 7 30 | 0 51 | 24 33 | 1 28 | 18 21 | 0 40 | 9 2 | 2 13 | 20 53 | 0 27 | 7 44 | 0 29 | 15 39 | 7 12 | 19 21 | 19 43 | 20 6 | 2 33 | 5 27 | S 7 |
| M 8 | 7 13 | 12 7 | 2 45 | 2 17 | 0s 0 | 7 4 | 0 53 | 24 35 | 1 28 | 18 21 | 0 40 | 9 5 | 2 13 | 20 52 | 0 27 | 7 43 | 0 29 | 15 39 | 7 12 | 19 20 | 19 43 | 20 7 | 2 31 | 5 28 | M 8 |
| T 9 | 7 35 | 16 4 | 1 32 | 2 22 | 0 14 | 6 39 | 0 56 | 24 37 | 1 28 | 18 21 | 0 40 | 9 7 | 2 13 | 20 52 | 0 27 | 7 42 | 0 29 | 15 38 | 7 12 | 19 19 | 19 42 | 20 7 | 2 30 | 5 28 | T 9 |
| W10 | 7 58 | 18 59 | 0 12 | 2 24 | 0 26 | 6 13 | 0 59 | 24 39 | 1 28 | 18 21 | 0 40 | 9 10 | 2 13 | 20 52 | 0 27 | 7 41 | 0 29 | 15 38 | 7 12 | 19 19 | 19 41 | 20 8 | 2 28 | 5 28 | W10 |
| T 11 | 8 20 | 20 36 | 1s 8 | 2 24 | 0 39 | 5 47 | 1 1 | 24 40 | 1 28 | 18 20 | 0 40 | 9 13 | 2 13 | 20 52 | 0 27 | 7 41 | 0 29 | 15 38 | 7 12 | 19 19 | 19 41 | 20 8 | 2 27 | 5 28 | T 11 |
| F 12 | 8 42 | 20 47 | 2 23 | 2 21 | 0 50 | 5 21 | 1 3 | 24 42 | 1 28 | 18 20 | 0 40 | 9 15 | 2 13 | 20 52 | 0 28 | 7 40 | 0 29 | 15 38 | 7 12 | 19 19 | 19 40 | 20 8 | 2 26 | 5 28 | F 12 |
| S 13 | 9 4 | 19 38 | 3 27 | 2 16 | 1 1 | 4 55 | 1 6 | 24 43 | 1 28 | 18 20 | 0 40 | 9 18 | 2 13 | 20 51 | 0 28 | 7 39 | 0 29 | 15 38 | 7 12 | 19 19 | 19 39 | 20 9 | 2 24 | 5 28 | S 13 |
| S 14 | 9 26 | 17 18 | 4 17 | 2 10 | 1 12 | 4 28 | 1 8 | 24 44 | 1 28 | 18 19 | 0 40 | 9 20 | 2 13 | 20 51 | 0 28 | 7 39 | 0 29 | 15 38 | 7 13 | 19 20 | 19 39 | 20 9 | 2 23 | 5 28 | S 14 |
| M15 | 9 47 | 14 2 | 4 52 | 2 1 | 1 22 | 4 2 | 1 10 | 24 45 | 1 28 | 18 19 | 0 40 | 9 23 | 2 13 | 20 51 | 0 28 | 7 38 | 0 29 | 15 38 | 7 13 | 19 20 | 19 38 | 20 10 | 2 21 | 5 29 | M15 |
| T 16 | 10 9 | 10 8 | 5 10 | 1 50 | 1 31 | 3 35 | 1 12 | 24 45 | 1 28 | 18 18 | 0 40 | 9 26 | 2 13 | 20 51 | 0 28 | 7 37 | 0 29 | 15 37 | 7 13 | 19 19 | 19 37 | 20 10 | 2 20 | 5 29 | T 16 |
| W17 | 10 30 | 5 49 | 5 12 | 1 38 | 1 40 | 3 8 | 1 14 | 24 46 | 1 28 | 18 17 | 0 40 | 9 28 | 2 13 | 20 51 | 0 28 | 7 37 | 0 29 | 15 37 | 7 13 | 19 18 | 19 36 | 20 11 | 2 19 | 5 29 | W17 |
| T 18 | 10 51 | 1 20 | 4 58 | 1 24 | 1 48 | 2 41 | 1 16 | 24 46 | 1 28 | 18 17 | 0 40 | 9 31 | 2 13 | 20 51 | 0 28 | 7 36 | 0 29 | 15 37 | 7 13 | 19 17 | 19 36 | 20 11 | 2 17 | 5 29 | T 18 |
| F 19 | 11 12 | 3s 9 | 4 29 | 1 8 | 1 55 | 2 14 | 1 18 | 24 46 | 1 28 | 18 16 | 0 40 | 9 33 | 2 13 | 20 51 | 0 28 | 7 36 | 0 30 | 15 37 | 7 13 | 19 16 | 19 35 | 20 11 | 2 16 | 5 29 | F 19 |
| S 20 | 11 33 | 7 25 | 3 48 | 0 50 | 2 2 | 1 47 | 1 20 | 24 46 | 1 28 | 18 15 | 0 40 | 9 36 | 2 13 | 20 50 | 0 28 | 7 35 | 0 30 | 15 37 | 7 13 | 19 15 | 19 34 | 20 12 | 2 15 | 5 30 | S 20 |
| S 21 | 11 53 | 11 20 | 2 57 | 0 31 | 2 9 | 1 20 | 1 21 | 24 46 | 1 28 | 18 15 | 0 40 | 9 39 | 2 13 | 20 50 | 0 28 | 7 34 | 0 30 | 15 37 | 7 13 | 19 14 | 19 34 | 20 12 | 2 13 | 5 30 | S 21 |
| M22 | 12 13 | 14 45 | 1 58 | 0 10 | 2 15 | 0 53 | 1 23 | 24 45 | 1 28 | 18 14 | 0 40 | 9 41 | 2 13 | 20 50 | 0 28 | 7 34 | 0 30 | 15 37 | 7 14 | 19 14 | 19 33 | 20 13 | 2 12 | 5 30 | M22 |
| T 23 | 12 34 | 17 30 | 0 55 | 0n12 | 2 20 | 0 25 | 1 25 | 24 45 | 1 28 | 18 13 | 0 39 | 9 44 | 2 13 | 20 50 | 0 28 | 7 33 | 0 30 | 15 37 | 7 14 | 19 13 | 19 32 | 20 13 | 2 11 | 5 30 | T 23 |
| W24 | 12 53 | 19 28 | 0n10 | 0 35 | 2 25 | 0n 2 | 1 26 | 24 44 | 1 27 | 18 12 | 0 39 | 9 46 | 2 13 | 20 50 | 0 28 | 7 33 | 0 30 | 15 37 | 7 14 | 19 13 | 19 31 | 20 13 | 2 9 | 5 30 | W24 |
| T 25 | 13 13 | 20 35 | 1 15 | 1 0 | 2 29 | 0 30 | 1 28 | 24 43 | 1 27 | 18 11 | 0 39 | 9 49 | 2 13 | 20 50 | 0 28 | 7 32 | 0 30 | 15 36 | 7 14 | 19 13 | 19 31 | 20 14 | 2 8 | 5 31 | T 25 |
| F 26 | 13 33 | 20 47 | 2 16 | 1 26 | 2 32 | 0 57 | 1 29 | 24 42 | 1 27 | 18 10 | 0 39 | 9 52 | 2 13 | 20 50 | 0 28 | 7 31 | 0 30 | 15 36 | 7 14 | 19 14 | 19 30 | 20 14 | 2 7 | 5 31 | F 26 |
| S 27 | 13 52 | 20 4 | 3 12 | 1 53 | 2 35 | 1 25 | 1 30 | 24 41 | 1 27 | 18 9 | 0 39 | 9 54 | 2 13 | 20 50 | 0 28 | 7 31 | 0 30 | 15 36 | 7 14 | 19 14 | 19 29 | 20 15 | 2 6 | 5 31 | S 27 |
| S 28 | 14 11 | 18 26 | 4 0 | 2 21 | 2 38 | 1 52 | 1 31 | 24 39 | 1 27 | 18 7 | 0 39 | 9 57 | 2 13 | 20 50 | 0 28 | 7 30 | 0 30 | 15 36 | 7 14 | 19 14 | 19 29 | 20 15 | 2 4 | 5 31 | S 28 |
| M29 | 14 29 | 15 58 | 4 38 | 2 51 | 2 40 | 2 20 | 1 32 | 24 37 | 1 27 | 18 6 | 0 39 | 9 59 | 2 13 | 20 50 | 0 28 | 7 30 | 0 30 | 15 36 | 7 14 | 19 15 | 19 28 | 20 15 | 2 3 | 5 31 | M29 |
| T 30 | 14n48 | 12s44 | 5n 4 | 3n21 | 2s41 | 2n47 | 1s34 | 24n36 | 1n27 | 18n 5 | 0n39 | 10n 2 | 2s13 | 20s50 | 0s28 | 7s29 | 0s30 | 15s36 | 7n15 | 19s15 | 19s27 | 20s16 | 2s 2 | 5n32 | T 30 |

Julian Day Number = 2816512.5, Delta T = 54m47s
Ecliptic obliquity = 23°18'31, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°43'43, Lahiri = 37°50'44


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# ASTRODIENST EPHEMERIS for the year 2999
# geocentric

## MAY 2999 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 37 24 | 11♉11'22 | 22♒51 | 16♈18 | 11♈56 | 7♋16 | 10♌47 | 2♉ 9 | 28♑22 | 12♓ 0 | 11°R26 | 26°R25 | 27♏16 | 4♐18 | 11♓42 | W 1 |
| T 2 | 14 41 21 | 12°10'09 | 6♓ 1 | 17°45 | 13° 9 | 7°53 | 10°52 | 2°16 | 28°R22 | 12° 2 | 11♑26 | 26♏24 | 27°13 | 4°25 | 11°45 | T 2 |
| F 3 | 14 45 18 | 13° 8'54 | 19°37 | 19°13 | 14°22 | 8°30 | 10°57 | 2°23 | 28°22 | 12° 3 | 11°25 | 26°22 | 27° 9 | 4°31 | 11°47 | F 3 |
| S 4 | 14 49 14 | 14° 7'38 | 3♈41 | 20°44 | 15°35 | 9° 7 | 11° 2 | 2°31 | 28°22 | 12° 4 | 11°24 | 26°21 | 27° 6 | 4°38 | 11°50 | S 4 |
| S 5 | 14 53 11 | 15° 6'20 | 18° 9 | 22°15 | 16°48 | 9°45 | 11° 8 | 2°38 | 28°22 | 12° 6 | 11°24 | 26°19 | 27° 3 | 4°44 | 11°52 | S 5 |
| M 6 | 14 57 7 | 16° 5'01 | 2♉59 | 23°49 | 18° 1 | 10°22 | 11°13 | 2°46 | 28°22 | 12° 7 | 11°23 | 26°18 | 27° 0 | 4°51 | 11°55 | M 6 |
| T 7 | 15 1 4 | 17° 3'39 | 18° 2 | 25°24 | 19°14 | 10°59 | 11°19 | 2°53 | 28°22 | 12° 8 | 11°22 | 26°18 | 26°57 | 4°58 | 11°57 | T 7 |
| W 8 | 15 5 0 | 18° 2'16 | 3♊11 | 27° 1 | 20°27 | 11°36 | 11°25 | 3° 0 | 28°22 | 12° 9 | 11°22 | 26°D18 | 26°54 | 5° 4 | 11°59 | W 8 |
| T 9 | 15 8 57 | 19° 0'51 | 18°15 | 28°40 | 21°40 | 12°14 | 11°31 | 3° 8 | 28°21 | 12°10 | 11°21 | 26°18 | 26°50 | 5°11 | 12° 2 | T 9 |
| F 10 | 15 12 53 | 19°59'24 | 3♋ 6 | 0♉21 | 22°54 | 12°51 | 11°37 | 3°15 | 28°21 | 12°12 | 11°20 | 26°19 | 26°47 | 5°18 | 12° 4 | F 10 |
| S 11 | 15 16 50 | 20°57'55 | 17°39 | 2° 3 | 24° 7 | 13°28 | 11°43 | 3°22 | 28°21 | 12°13 | 11°19 | 26°19 | 26°44 | 5°24 | 12° 6 | S 11 |
| S 12 | 15 20 47 | 21°56'24 | 1♌49 | 3°47 | 25°20 | 14° 5 | 11°49 | 3°30 | 28°20 | 12°14 | 11°18 | 26°20 | 26°41 | 5°31 | 12° 8 | S 12 |
| M13 | 15 24 43 | 22°54'50 | 15°34 | 5°32 | 26°33 | 14°43 | 11°56 | 3°37 | 28°20 | 12°15 | 11°18 | 26°20 | 26°38 | 5°38 | 12°10 | M13 |
| T 14 | 15 28 40 | 23°53'14 | 28°56 | 7°20 | 27°46 | 15°20 | 12° 2 | 3°44 | 28°19 | 12°16 | 11°17 | 26°R20 | 26°34 | 5°44 | 12°12 | T 14 |
| W15 | 15 32 36 | 24°51'37 | 11♍56 | 9° 9 | 28°59 | 15°57 | 12° 9 | 3°51 | 28°18 | 12°17 | 11°16 | 26°20 | 26°31 | 5°51 | 12°14 | W15 |
| T 16 | 15 36 33 | 25°49'57 | 24°37 | 11° 0 | 0♉12 | 16°34 | 12°16 | 3°59 | 28°18 | 12°18 | 11°15 | 26°D20 | 26°28 | 5°58 | 12°16 | T 16 |
| F 17 | 15 40 29 | 26°48'15 | 7♎ 2 | 12°52 | 1°25 | 17°12 | 12°23 | 4° 6 | 28°17 | 12°19 | 11°14 | 26°20 | 26°25 | 6° 4 | 12°18 | F 17 |
| S 18 | 15 44 26 | 27°46'31 | 19°14 | 14°47 | 2°38 | 17°49 | 12°31 | 4°13 | 28°16 | 12°20 | 11°13 | 26°20 | 26°22 | 6°11 | 12°19 | S 18 |
| S 19 | 15 48 22 | 28°44'46 | 1♏16 | 16°43 | 3°51 | 18°26 | 12°38 | 4°20 | 28°15 | 12°20 | 11°12 | 26°20 | 26°19 | 6°18 | 12°21 | S 19 |
| M20 | 15 52 19 | 29°42'58 | 13°11 | 18°41 | 5° 4 | 19° 4 | 12°45 | 4°27 | 28°15 | 12°21 | 11°11 | 26°20 | 26°15 | 6°24 | 12°23 | M20 |
| T 21 | 15 56 16 | 0♊41'09 | 25° 1 | 20°40 | 6°17 | 19°41 | 12°53 | 4°34 | 28°14 | 12°22 | 11°10 | 26°R20 | 26°12 | 6°31 | 12°24 | T 21 |
| W22 | 16 0 12 | 1°39'19 | 6♐50 | 22°41 | 7°30 | 20°18 | 13° 1 | 4°41 | 28°13 | 12°23 | 11° 8 | 26°20 | 26° 9 | 6°37 | 12°26 | W22 |
| T 23 | 16 4 9 | 2°37'26 | 18°38 | 24°44 | 8°43 | 20°55 | 13° 9 | 4°48 | 28°12 | 12°24 | 11° 7 | 26°20 | 26° 6 | 6°44 | 12°27 | T 23 |
| F 24 | 16 8 5 | 3°35'32 | 0♑28 | 26°49 | 9°56 | 21°33 | 13°17 | 4°55 | 28°11 | 12°24 | 11° 6 | 26°19 | 26° 3 | 6°51 | 12°28 | F 24 |
| S 25 | 16 12 2 | 4°33'37 | 12°23 | 28°54 | 11°10 | 22°10 | 13°25 | 5° 2 | 28°10 | 12°25 | 11° 5 | 26°18 | 26° 0 | 6°57 | 12°30 | S 25 |
| S 26 | 16 15 58 | 5°31'40 | 24°26 | 1♊ 2 | 12°23 | 22°47 | 13°33 | 5° 9 | 28° 9 | 12°26 | 11° 4 | 26°17 | 25°56 | 7° 4 | 12°31 | S 26 |
| M27 | 16 19 55 | 6°29'42 | 6♒39 | 3°10 | 13°36 | 23°24 | 13°41 | 5°16 | 28° 7 | 12°26 | 11° 3 | 26°16 | 25°53 | 7°11 | 12°32 | M27 |
| T 28 | 16 23 51 | 7°27'42 | 19° 6 | 5°19 | 14°49 | 24° 2 | 13°50 | 5°22 | 28° 6 | 12°27 | 11° 1 | 26°15 | 25°50 | 7°17 | 12°33 | T 28 |
| W29 | 16 27 48 | 8°25'41 | 1♓50 | 7°29 | 16° 2 | 24°39 | 13°58 | 5°29 | 28° 5 | 12°27 | 11° 0 | 26°14 | 25°47 | 7°24 | 12°35 | W29 |
| T 30 | 16 31 45 | 9°23'39 | 14°55 | 9°40 | 17°15 | 25°16 | 14° 7 | 5°36 | 28° 4 | 12°28 | 10°59 | 26°D14 | 25°44 | 7°31 | 12°36 | T 30 |
| F 31 | 16 35 41 | 10♊21'35 | 28♓23 | 11♊51 | 18♉28 | 25♋54 | 14♌16 | 5♉43 | 28♑ 2 | 12♓28 | 10♑58 | 26♏14 | 25♏40 | 7♐37 | 12♓37 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15n 6 | 8s50 | 5n16 | 3n53 | 2s42 | 3n15 | 1s34 | 24n33 | 1n27 | 18n 4 | 0n39 | 10n 4 | 2s13 | 20s50 | 0s28 | 7s29 | 0s30 | 15s36 | 7n15 | 19s15 | 19s26 | 20s16 | 2s 1 | 5n32 |
| T 2 | 15 24 | 4 24 | 5 12 | 4 25 | 2 43 | 3 42 | 1 35 | 24 31 | 1 27 | 18 2 | 0 39 | 10 7 | 2 13 | 20 50 | 0 28 | 7 28 | 0 30 | 15 36 | 7 15 | 19 14 | 19 26 | 20 16 | 1 59 | 5 32 |
| F 3 | 15 42 | 0n23 | 4 51 | 4 59 | 2 42 | 4 9 | 1 36 | 24 29 | 1 27 | 18 1 | 0 39 | 10 9 | 2 13 | 20 50 | 0 28 | 7 28 | 0 30 | 15 36 | 7 15 | 19 14 | 19 25 | 20 17 | 1 58 | 5 32 |
| S 4 | 15 59 | 5 19 | 4 12 | 5 33 | 2 42 | 4 37 | 1 37 | 24 26 | 1 27 | 18 0 | 0 39 | 10 12 | 2 13 | 20 50 | 0 28 | 7 27 | 0 30 | 15 36 | 7 15 | 19 14 | 19 24 | 20 17 | 1 57 | 5 33 |
| S 5 | 16 17 | 10 7 | 3 16 | 6 8 | 2 40 | 5 4 | 1 38 | 24 24 | 1 27 | 17 58 | 0 39 | 10 14 | 2 13 | 20 50 | 0 28 | 7 27 | 0 30 | 15 36 | 7 15 | 19 13 | 19 24 | 20 17 | 1 56 | 5 33 |
| M 6 | 16 34 | 14 25 | 2 6 | 6 44 | 2 39 | 5 31 | 1 38 | 24 21 | 1 26 | 17 57 | 0 39 | 10 17 | 2 13 | 20 50 | 0 28 | 7 26 | 0 30 | 15 36 | 7 15 | 19 13 | 19 23 | 20 18 | 1 55 | 5 33 |
| T 7 | 16 50 | 17 51 | 0 46 | 7 21 | 2 36 | 5 58 | 1 39 | 24 18 | 1 26 | 17 55 | 0 39 | 10 19 | 2 13 | 20 50 | 0 28 | 7 26 | 0 30 | 15 36 | 7 15 | 19 13 | 19 22 | 20 18 | 1 54 | 5 33 |
| W 8 | 17 7 | 20 3 | 0s38 | 7 58 | 2 34 | 6 25 | 1 39 | 24 14 | 1 26 | 17 53 | 0 39 | 10 21 | 2 13 | 20 50 | 0 28 | 7 26 | 0 30 | 15 36 | 7 15 | 19 13 | 19 21 | 20 18 | 1 53 | 5 34 |
| T 9 | 17 23 | 20 49 | 1 59 | 8 36 | 2 30 | 6 52 | 1 39 | 24 11 | 1 26 | 17 52 | 0 39 | 10 24 | 2 13 | 20 50 | 0 28 | 7 25 | 0 30 | 15 36 | 7 15 | 19 13 | 19 21 | 20 19 | 1 52 | 5 34 |
| F 10 | 17 38 | 20 6 | 3 11 | 9 14 | 2 27 | 7 19 | 1 40 | 24 7 | 1 26 | 17 50 | 0 39 | 10 26 | 2 13 | 20 51 | 0 28 | 7 25 | 0 30 | 15 36 | 7 16 | 19 13 | 19 20 | 20 19 | 1 51 | 5 34 |
| S 11 | 17 54 | 18 3 | 4 8 | 9 54 | 2 22 | 7 45 | 1 40 | 24 3 | 1 26 | 17 48 | 0 39 | 10 29 | 2 13 | 20 51 | 0 28 | 7 24 | 0 30 | 15 36 | 7 16 | 19 13 | 19 19 | 20 19 | 1 50 | 5 34 |
| S 12 | 18 9 | 14 56 | 4 49 | 10 33 | 2 17 | 8 12 | 1 40 | 23 59 | 1 26 | 17 46 | 0 39 | 10 31 | 2 13 | 20 51 | 0 28 | 7 24 | 0 30 | 15 36 | 7 16 | 19 14 | 19 18 | 20 20 | 1 49 | 5 35 |
| M13 | 18 24 | 11 6 | 5 12 | 11 13 | 2 12 | 8 38 | 1 40 | 23 55 | 1 26 | 17 45 | 0 39 | 10 33 | 2 14 | 20 51 | 0 29 | 7 24 | 0 30 | 15 36 | 7 16 | 19 14 | 19 18 | 20 20 | 1 48 | 5 35 |
| T 14 | 18 39 | 6 49 | 5 18 | 11 54 | 2 6 | 9 4 | 1 40 | 23 51 | 1 26 | 17 43 | 0 39 | 10 36 | 2 14 | 20 51 | 0 29 | 7 23 | 0 30 | 15 36 | 7 16 | 19 14 | 19 17 | 20 20 | 1 47 | 5 35 |
| W15 | 18 53 | 2 19 | 5 6 | 12 34 | 2 0 | 9 30 | 1 40 | 23 46 | 1 25 | 17 41 | 0 39 | 10 38 | 2 14 | 20 51 | 0 29 | 7 23 | 0 30 | 15 36 | 7 16 | 19 14 | 19 16 | 20 20 | 1 46 | 5 35 |
| T 16 | 19 7 | 2s10 | 4 40 | 13 15 | 1 53 | 9 55 | 1 40 | 23 42 | 1 25 | 17 39 | 0 39 | 10 41 | 2 14 | 20 51 | 0 29 | 7 23 | 0 30 | 15 36 | 7 16 | 19 14 | 19 16 | 20 21 | 1 45 | 5 36 |
| F 17 | 19 20 | 6 28 | 4 1 | 13 56 | 1 46 | 10 21 | 1 39 | 23 37 | 1 25 | 17 37 | 0 39 | 10 43 | 2 14 | 20 52 | 0 29 | 7 22 | 0 30 | 15 36 | 7 16 | 19 14 | 19 15 | 20 21 | 1 44 | 5 36 |
| S 18 | 19 33 | 10 27 | 3 12 | 14 37 | 1 38 | 10 46 | 1 39 | 23 32 | 1 25 | 17 35 | 0 39 | 10 45 | 2 14 | 20 52 | 0 29 | 7 22 | 0 30 | 15 36 | 7 16 | 19 14 | 19 14 | 20 21 | 1 43 | 5 36 |
| S 19 | 19 46 | 13 58 | 2 15 | 15 18 | 1 30 | 11 11 | 1 39 | 23 27 | 1 25 | 17 33 | 0 39 | 10 47 | 2 14 | 20 52 | 0 29 | 7 22 | 0 30 | 15 36 | 7 16 | 19 14 | 19 13 | 20 22 | 1 42 | 5 36 |
| M20 | 19 59 | 16 52 | 1 13 | 15 59 | 1 22 | 11 36 | 1 38 | 23 22 | 1 25 | 17 31 | 0 39 | 10 50 | 2 14 | 20 52 | 0 29 | 7 21 | 0 30 | 15 36 | 7 16 | 19 14 | 19 13 | 20 22 | 1 41 | 5 37 |
| T 21 | 20 11 | 19 2 | 0 7 | 16 39 | 1 13 | 12 0 | 1 38 | 23 16 | 1 25 | 17 28 | 0 39 | 10 52 | 2 14 | 20 52 | 0 29 | 7 21 | 0 30 | 15 36 | 7 16 | 19 14 | 19 12 | 20 22 | 1 40 | 5 37 |
| W22 | 20 23 | 20 23 | 0n58 | 17 19 | 1 4 | 12 25 | 1 37 | 23 10 | 1 24 | 17 26 | 0 39 | 10 54 | 2 14 | 20 53 | 0 29 | 7 21 | 0 30 | 15 36 | 7 16 | 19 14 | 19 11 | 20 22 | 1 39 | 5 37 |
| T 23 | 20 34 | 20 49 | 2 1 | 17 58 | 0 54 | 12 48 | 1 36 | 23 5 | 1 24 | 17 24 | 0 39 | 10 56 | 2 14 | 20 53 | 0 29 | 7 21 | 0 30 | 15 36 | 7 16 | 19 14 | 19 10 | 20 23 | 1 39 | 5 38 |
| F 24 | 20 45 | 20 20 | 2 59 | 18 37 | 0 44 | 13 12 | 1 36 | 22 59 | 1 24 | 17 22 | 0 39 | 10 59 | 2 14 | 20 53 | 0 29 | 7 20 | 0 30 | 15 36 | 7 17 | 19 13 | 19 10 | 20 23 | 1 38 | 5 38 |
| S 25 | 20 56 | 18 56 | 3 49 | 19 15 | 0 34 | 13 35 | 1 35 | 22 53 | 1 24 | 17 19 | 0 39 | 11 1 | 2 15 | 20 53 | 0 29 | 7 20 | 0 30 | 15 36 | 7 17 | 19 13 | 19 9 | 20 23 | 1 37 | 5 38 |
| S 26 | 21 7 | 16 41 | 4 30 | 19 52 | 0 24 | 13 59 | 1 34 | 22 46 | 1 24 | 17 17 | 0 39 | 11 3 | 2 15 | 20 54 | 0 29 | 7 20 | 0 30 | 15 36 | 7 17 | 19 13 | 19 8 | 20 23 | 1 36 | 5 38 |
| M27 | 21 17 | 13 41 | 4 59 | 20 27 | 0 14 | 14 21 | 1 33 | 22 40 | 1 24 | 17 15 | 0 39 | 11 5 | 2 15 | 20 54 | 0 29 | 7 20 | 0 30 | 15 36 | 7 17 | 19 13 | 19 7 | 20 24 | 1 36 | 5 39 |
| T 28 | 21 26 | 10 1 | 5 15 | 21 1 | 0 3 | 14 44 | 1 32 | 22 33 | 1 23 | 17 12 | 0 39 | 11 7 | 2 15 | 20 54 | 0 29 | 7 19 | 0 30 | 15 36 | 7 17 | 19 12 | 19 7 | 20 24 | 1 35 | 5 39 |
| W29 | 21 35 | 5 51 | 5 16 | 21 34 | 0n 7 | 15 6 | 1 31 | 22 27 | 1 23 | 17 10 | 0 39 | 11 9 | 2 15 | 20 54 | 0 29 | 7 19 | 0 31 | 15 36 | 7 17 | 19 12 | 19 6 | 20 24 | 1 34 | 5 39 |
| T 30 | 21 44 | 1 17 | 5 1 | 22 5 | 0 18 | 15 27 | 1 30 | 22 20 | 1 23 | 17 7 | 0 39 | 11 11 | 2 15 | 20 55 | 0 29 | 7 19 | 0 31 | 15 36 | 7 17 | 19 12 | 19 5 | 20 24 | 1 34 | 5 40 |
| F 31 | 21n53 | 3n28 | 4n29 | 22n33 | 0n28 | 15n49 | 1s29 | 22n13 | 1n23 | 17n 5 | 0n39 | 11n13 | 2s15 | 20s55 | 0s29 | 7s19 | 0s31 | 15s36 | 7n17 | 19s12 | 19s 4 | 20s24 | 1s33 | 5n40 |

Julian Day Number = 2816542.5, Delta T = 54m48s
Ecliptic obliquity = 23°18'31, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°43'47, Lahiri = 37°50'48


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# ASTRODIENST EPHEMERIS for the year 2999
# geocentric

## JUNE 2999 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 39 38 | 11♊19'31 | 12♈16 | 14♊ 3 | 19♉41 | 26♋31 | 14♌25 | 5♉49 | 28°R 1 | 12♓29 | 10°R56 | 26♏15 | 25♏37 | 7♐44 | 12♓38 | S 1 |
| S 2 | 16 43 34 | 12°17'25 | 26°35 | 16°14 | 20°55 | 27° 8 | 14°34 | 5°56 | 27♑59 | 12°29 | 10♑55 | 26°17 | 25°34 | 7°51 | 12°38 | S 2 |
| M 3 | 16 47 31 | 13°15'18 | 11♉16 | 18°25 | 22° 8 | 27°46 | 14°43 | 6° 2 | 27°58 | 12°30 | 10°54 | 26°18 | 25°31 | 7°57 | 12°39 | M 3 |
| T 4 | 16 51 27 | 14°13'10 | 26°16 | 20°35 | 23°21 | 28°23 | 14°52 | 6° 9 | 27°56 | 12°30 | 10°52 | 26°R18 | 25°28 | 8° 4 | 12°40 | T 4 |
| W 5 | 16 55 24 | 15°11'01 | 11♊26 | 22°44 | 24°34 | 29° 0 | 15° 2 | 6°15 | 27°55 | 12°30 | 10°51 | 26°17 | 25°25 | 8°11 | 12°41 | W 5 |
| T 6 | 16 59 20 | 16° 8'50 | 26°37 | 24°52 | 25°47 | 29°37 | 15°11 | 6°22 | 27°53 | 12°31 | 10°50 | 26°16 | 25°21 | 8°17 | 12°41 | T 6 |
| F 7 | 17 3 17 | 17° 6'38 | 11♋40 | 26°58 | 27° 1 | 0♌15 | 15°21 | 6°28 | 27°52 | 12°31 | 10°48 | 26°14 | 25°18 | 8°24 | 12°42 | F 7 |
| S 8 | 17 7 14 | 18° 4'25 | 26°26 | 29° 2 | 28°14 | 0°52 | 15°31 | 6°34 | 27°50 | 12°31 | 10°47 | 26°11 | 25°15 | 8°30 | 12°42 | S 8 |
| S 9 | 17 11 10 | 19° 2'10 | 10♌48 | 1♋ 5 | 29°27 | 1°29 | 15°40 | 6°41 | 27°48 | 12°31 | 10°45 | 26° 8 | 25°12 | 8°37 | 12°43 | S 9 |
| M10 | 17 15 7 | 19°59'53 | 24°44 | 3° 5 | 0♊40 | 2° 7 | 15°50 | 6°47 | 27°47 | 12°31 | 10°44 | 26° 6 | 25° 9 | 8°44 | 12°43 | M10 |
| T 11 | 17 19 3 | 20°57'35 | 8♍12 | 5° 3 | 1°53 | 2°44 | 16° 0 | 6°53 | 27°45 | 12°31 | 10°42 | 26° 4 | 25° 6 | 8°50 | 12°43 | T 11 |
| W12 | 17 23 0 | 21°55'15 | 21°14 | 6°59 | 3° 7 | 3°21 | 16°10 | 6°59 | 27°43 | 12°32 | 10°41 | 26°D 3 | 25° 2 | 8°57 | 12°44 | W12 |
| T 13 | 17 26 56 | 22°52'54 | 3♎53 | 8°52 | 4°20 | 3°59 | 16°20 | 7° 5 | 27°41 | 12°32 | 10°40 | 26° 4 | 24°59 | 9° 4 | 12°44 | T 13 |
| F 14 | 17 30 53 | 23°50'32 | 16°12 | 10°43 | 5°33 | 4°36 | 16°31 | 7°11 | 27°39 | 12°R32 | 10°38 | 26° 5 | 24°56 | 9°10 | 12°44 | F 14 |
| S 15 | 17 34 49 | 24°48'08 | 28°18 | 12°31 | 6°46 | 5°13 | 16°41 | 7°17 | 27°38 | 12°32 | 10°37 | 26° 7 | 24°53 | 9°17 | 12°44 | S 15 |
| S 16 | 17 38 46 | 25°45'43 | 10♏13 | 14°16 | 7°59 | 5°51 | 16°51 | 7°23 | 27°36 | 12°32 | 10°35 | 26° 8 | 24°50 | 9°24 | 12°R44 | S 16 |
| M17 | 17 42 43 | 26°43'16 | 22° 3 | 15°58 | 9°13 | 6°28 | 17° 2 | 7°29 | 27°34 | 12°31 | 10°34 | 26°R 9 | 24°46 | 9°30 | 12°44 | M17 |
| T 18 | 17 46 39 | 27°40'49 | 3♐50 | 17°38 | 10°26 | 7° 5 | 17°13 | 7°34 | 27°32 | 12°31 | 10°32 | 26° 9 | 24°43 | 9°37 | 12°44 | T 18 |
| W19 | 17 50 36 | 28°38'20 | 15°38 | 19°15 | 11°39 | 7°43 | 17°23 | 7°40 | 27°30 | 12°31 | 10°31 | 26° 7 | 24°40 | 9°44 | 12°44 | W19 |
| T 20 | 17 54 32 | 29°35'50 | 27°29 | 20°48 | 12°52 | 8°20 | 17°34 | 7°46 | 27°28 | 12°31 | 10°29 | 26° 4 | 24°37 | 9°50 | 12°43 | T 20 |
| F 21 | 17 58 29 | 0♋33'20 | 9♑26 | 22°19 | 14° 6 | 8°57 | 17°45 | 7°51 | 27°26 | 12°31 | 10°27 | 25°59 | 24°34 | 9°57 | 12°43 | F 21 |
| S 22 | 18 2 25 | 1°30'48 | 21°30 | 23°47 | 15°19 | 9°35 | 17°56 | 7°57 | 27°24 | 12°31 | 10°26 | 25°54 | 24°31 | 10° 4 | 12°43 | S 22 |
| S 23 | 18 6 22 | 2°28'15 | 3♒43 | 25°12 | 16°32 | 10°12 | 18° 7 | 8° 2 | 27°21 | 12°30 | 10°24 | 25°47 | 24°27 | 10°10 | 12°42 | S 23 |
| M24 | 18 10 19 | 3°25'42 | 16° 6 | 26°34 | 17°45 | 10°49 | 18°18 | 8° 7 | 27°19 | 12°30 | 10°23 | 25°41 | 24°24 | 10°17 | 12°42 | M24 |
| T 25 | 18 14 15 | 4°23'08 | 28°41 | 27°53 | 18°59 | 11°27 | 18°29 | 8°13 | 27°17 | 12°30 | 10°21 | 25°36 | 24°21 | 10°24 | 12°41 | T 25 |
| W26 | 18 18 12 | 5°20'34 | 11♓31 | 29° 9 | 20°12 | 12° 4 | 18°40 | 8°18 | 27°15 | 12°29 | 10°20 | 25°31 | 24°18 | 10°30 | 12°41 | W26 |
| T 27 | 18 22 8 | 6°17'58 | 24°36 | 0♌22 | 21°25 | 12°41 | 18°51 | 8°23 | 27°13 | 12°29 | 10°18 | 25°29 | 24°15 | 10°37 | 12°40 | T 27 |
| F 28 | 18 26 5 | 7°15'23 | 8♈ 0 | 1°31 | 22°39 | 13°19 | 19° 3 | 8°28 | 27°10 | 12°29 | 10°17 | 25°D28 | 24°12 | 10°43 | 12°39 | F 28 |
| S 29 | 18 30 1 | 8°12'47 | 21°45 | 2°38 | 23°52 | 13°56 | 19°14 | 8°33 | 27° 8 | 12°28 | 10°15 | 25°29 | 24° 8 | 10°50 | 12°39 | S 29 |
| S 30 | 18 33 58 | 9♋10'10 | 5♉50 | 3♌41 | 25♊ 5 | 14♌33 | 19♌26 | 8♉38 | 27♑ 6 | 12♓28 | 10♑13 | 25♏30 | 24♏ 5 | 10♐57 | 12♓38 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n 1 | 8n13 | 3n40 | 23n 0 | 0n38 | 16n10 | 1s27 | 22n 5 | 1n23 | 17n 2 | 0n39 | 11n16 | 2s15 | 20s55 | 0s29 | 7s19 | 0s31 | 15s36 | 7n17 | 19s13 | 19s 4 | 20s25 | 1s32 | 5n40 |
| S 2 | 22 9 | 12 39 | 2 37 | 23 24 | 0 48 | 16 30 | 1 26 | 21 58 | 1 23 | 16 59 | 0 39 | 11 18 | 2 15 | 20 56 | 0 29 | 7 19 | 0 31 | 15 36 | 7 17 | 19 13 | 19 3 | 20 25 | 1 32 | 5 40 |
| M 3 | 22 16 | 16 26 | 1 22 | 23 46 | 0 58 | 16 50 | 1 25 | 21 50 | 1 22 | 16 57 | 0 39 | 11 20 | 2 16 | 20 56 | 0 29 | 7 19 | 0 31 | 15 36 | 7 17 | 19 13 | 19 2 | 20 25 | 1 31 | 5 41 |
| T 4 | 22 23 | 19 13 | 0 0 | 24 5 | 1 7 | 17 10 | 1 23 | 21 43 | 1 22 | 16 54 | 0 39 | 11 22 | 2 16 | 20 56 | 0 29 | 7 18 | 0 31 | 15 36 | 7 17 | 19 13 | 19 1 | 20 25 | 1 31 | 5 41 |
| W 5 | 22 29 | 20 40 | 1s23 | 24 22 | 1 16 | 17 29 | 1 22 | 21 35 | 1 22 | 16 51 | 0 39 | 11 24 | 2 16 | 20 56 | 0 29 | 7 18 | 0 31 | 15 37 | 7 17 | 19 13 | 19 1 | 20 25 | 1 30 | 5 41 |
| T 6 | 22 36 | 20 36 | 2 40 | 24 36 | 1 24 | 17 48 | 1 20 | 21 27 | 1 22 | 16 48 | 0 39 | 11 25 | 2 16 | 20 57 | 0 29 | 7 18 | 0 31 | 15 37 | 7 17 | 19 13 | 19 0 | 20 26 | 1 30 | 5 42 |
| F 7 | 22 41 | 19 4 | 3 45 | 24 48 | 1 31 | 18 6 | 1 19 | 21 19 | 1 22 | 16 46 | 0 39 | 11 27 | 2 16 | 20 57 | 0 29 | 7 18 | 0 31 | 15 37 | 7 17 | 19 12 | 18 59 | 20 26 | 1 29 | 5 42 |
| S 8 | 22 47 | 16 16 | 4 34 | 24 57 | 1 38 | 18 24 | 1 17 | 21 11 | 1 21 | 16 43 | 0 39 | 11 29 | 2 16 | 20 58 | 0 29 | 7 18 | 0 31 | 15 37 | 7 17 | 19 12 | 18 58 | 20 26 | 1 29 | 5 42 |
| S 9 | 22 51 | 12 33 | 5 4 | 25 3 | 1 45 | 18 42 | 1 15 | 21 2 | 1 21 | 16 40 | 0 38 | 11 31 | 2 16 | 20 58 | 0 29 | 7 18 | 0 31 | 15 37 | 7 17 | 19 11 | 18 58 | 20 26 | 1 28 | 5 43 |
| M10 | 22 56 | 8 15 | 5 15 | 25 6 | 1 50 | 18 59 | 1 14 | 20 54 | 1 21 | 16 37 | 0 38 | 11 33 | 2 17 | 20 58 | 0 29 | 7 18 | 0 31 | 15 37 | 7 17 | 19 10 | 18 57 | 20 26 | 1 28 | 5 43 |
| T 11 | 23 0 | 3 41 | 5 8 | 25 7 | 1 55 | 19 15 | 1 12 | 20 45 | 1 21 | 16 34 | 0 38 | 11 35 | 2 17 | 20 59 | 0 29 | 7 18 | 0 31 | 15 37 | 7 17 | 19 10 | 18 56 | 20 27 | 1 27 | 5 43 |
| W12 | 23 4 | 0s55 | 4 45 | 25 6 | 1 59 | 19 31 | 1 10 | 20 36 | 1 21 | 16 31 | 0 38 | 11 37 | 2 17 | 20 59 | 0 29 | 7 18 | 0 31 | 15 37 | 7 17 | 19 10 | 18 55 | 20 27 | 1 27 | 5 43 |
| T 13 | 23 7 | 5 21 | 4 9 | 25 2 | 2 2 | 19 46 | 1 8 | 20 27 | 1 20 | 16 28 | 0 38 | 11 39 | 2 17 | 20 59 | 0 29 | 7 18 | 0 31 | 15 37 | 7 17 | 19 10 | 18 55 | 20 27 | 1 27 | 5 44 |
| F 14 | 23 10 | 9 27 | 3 22 | 24 57 | 2 4 | 20 1 | 1 6 | 20 18 | 1 20 | 16 25 | 0 38 | 11 40 | 2 17 | 21 0 | 0 29 | 7 18 | 0 31 | 15 38 | 7 17 | 19 10 | 18 54 | 20 27 | 1 26 | 5 44 |
| S 15 | 23 12 | 13 6 | 2 27 | 24 49 | 2 6 | 20 16 | 1 4 | 20 9 | 1 20 | 16 22 | 0 38 | 11 42 | 2 17 | 21 0 | 0 29 | 7 18 | 0 31 | 15 38 | 7 17 | 19 11 | 18 53 | 20 27 | 1 26 | 5 44 |
| S 16 | 23 14 | 16 10 | 1 26 | 24 39 | 2 7 | 20 30 | 1 2 | 20 0 | 1 20 | 16 19 | 0 38 | 11 44 | 2 18 | 21 1 | 0 29 | 7 18 | 0 31 | 15 38 | 7 17 | 19 11 | 18 52 | 20 27 | 1 26 | 5 45 |
| M17 | 23 16 | 18 33 | 0 23 | 24 27 | 2 7 | 20 43 | 1 0 | 19 50 | 1 19 | 16 15 | 0 38 | 11 45 | 2 18 | 21 1 | 0 29 | 7 18 | 0 31 | 15 38 | 7 17 | 19 11 | 18 51 | 20 27 | 1 26 | 5 45 |
| T 18 | 23 17 | 20 7 | 0n42 | 24 14 | 2 6 | 20 56 | 0 58 | 19 41 | 1 19 | 16 12 | 0 38 | 11 47 | 2 18 | 21 1 | 0 29 | 7 18 | 0 31 | 15 38 | 7 17 | 19 11 | 18 51 | 20 28 | 1 25 | 5 45 |
| W19 | 23 18 | 20 48 | 1 45 | 23 59 | 2 4 | 21 8 | 0 56 | 19 31 | 1 19 | 16 9 | 0 38 | 11 49 | 2 18 | 21 2 | 0 30 | 7 18 | 0 31 | 15 38 | 7 17 | 19 11 | 18 50 | 20 28 | 1 25 | 5 45 |
| T 20 | 23 18 | 20 34 | 2 43 | 23 43 | 2 2 | 21 19 | 0 54 | 19 21 | 1 19 | 16 6 | 0 38 | 11 50 | 2 18 | 21 2 | 0 30 | 7 18 | 0 31 | 15 39 | 7 17 | 19 10 | 18 49 | 20 28 | 1 25 | 5 46 |
| F 21 | 23 18 | 19 24 | 3 35 | 23 25 | 1 59 | 21 30 | 0 52 | 19 11 | 1 19 | 16 2 | 0 38 | 11 52 | 2 18 | 21 3 | 0 30 | 7 18 | 0 31 | 15 39 | 7 16 | 19 9 | 18 48 | 20 28 | 1 25 | 5 46 |
| S 22 | 23 18 | 17 22 | 4 17 | 23 7 | 1 55 | 21 41 | 0 50 | 19 1 | 1 18 | 15 59 | 0 38 | 11 54 | 2 19 | 21 3 | 0 30 | 7 19 | 0 31 | 15 39 | 7 16 | 19 7 | 18 48 | 20 28 | 1 25 | 5 46 |
| S 23 | 23 17 | 14 33 | 4 48 | 22 47 | 1 50 | 21 51 | 0 47 | 18 51 | 1 18 | 15 56 | 0 38 | 11 55 | 2 19 | 21 3 | 0 30 | 7 19 | 0 31 | 15 39 | 7 16 | 19 6 | 18 47 | 20 28 | 1 25 | 5 47 |
| M24 | 23 16 | 11 3 | 5 6 | 22 26 | 1 45 | 22 0 | 0 45 | 18 40 | 1 18 | 15 52 | 0 38 | 11 57 | 2 19 | 21 4 | 0 30 | 7 19 | 0 31 | 15 39 | 7 16 | 19 4 | 18 46 | 20 28 | 1 24 | 5 47 |
| T 25 | 23 14 | 7 1 | 5 10 | 22 5 | 1 38 | 22 8 | 0 43 | 18 30 | 1 18 | 15 49 | 0 38 | 11 58 | 2 19 | 21 4 | 0 30 | 7 19 | 0 31 | 15 39 | 7 16 | 19 3 | 18 45 | 20 28 | 1 24 | 5 47 |
| W26 | 23 12 | 2 36 | 4 59 | 21 43 | 1 32 | 22 16 | 0 41 | 18 19 | 1 17 | 15 45 | 0 38 | 12 0 | 2 19 | 21 5 | 0 30 | 7 19 | 0 31 | 15 40 | 7 16 | 19 2 | 18 45 | 20 28 | 1 24 | 5 47 |
| T 27 | 23 10 | 2n 2 | 4 32 | 21 20 | 1 24 | 22 24 | 0 38 | 18 9 | 1 17 | 15 42 | 0 38 | 12 1 | 2 19 | 21 5 | 0 30 | 7 19 | 0 31 | 15 40 | 7 16 | 19 2 | 18 44 | 20 29 | 1 24 | 5 48 |
| F 28 | 23 7 | 6 40 | 3 49 | 20 56 | 1 16 | 22 30 | 0 36 | 17 58 | 1 17 | 15 39 | 0 39 | 12 3 | 2 20 | 21 6 | 0 30 | 7 20 | 0 31 | 15 40 | 7 16 | 19 2 | 18 43 | 20 29 | 1 24 | 5 48 |
| S 29 | 23 3 | 11 6 | 2 53 | 20 33 | 1 7 | 22 36 | 0 34 | 17 47 | 1 17 | 15 35 | 0 39 | 12 4 | 2 20 | 21 6 | 0 30 | 7 20 | 0 31 | 15 40 | 7 16 | 19 2 | 18 42 | 20 29 | 1 24 | 5 48 |
| S 30 | 23n 0 | 15n 2 | 1n45 | 20n 9 | 0n57 | 22n42 | 0s31 | 17n36 | 1n16 | 15n31 | 0n39 | 12n 5 | 2s20 | 21s 7 | 0s30 | 7s20 | 0s31 | 15s40 | 7n16 | 19s 2 | 18s41 | 20s29 | 1s24 | 5n49 |

Julian Day Number = 2816573.5, Delta T = 54m48s
Ecliptic obliquity = 23°18'30, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°43'52, Lahiri = 37°50'52


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# ASTRODIENST EPHEMERIS for the year 2999
# geocentric

## JULY 2999 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 37 54 | 10♋ 7'34 | 20♉16 | 4♌40 | 26♊19 | 15♌11 | 19♌37 | 8♉43 | 27°R 4 | 12°R27 | 10°R12 | 25°R31 | 24♏ 2 | 11♐ 3 | 12°R37 | M 1 |
| T 2 | 18 41 51 | 11° 4'56 | 5♊ 0 | 5°37 | 27°32 | 15°48 | 19°49 | 8°48 | 27♑ 1 | 12♓27 | 10♑10 | 25♏31 | 23°59 | 11°10 | 12♓36 | T 2 |
| W 3 | 18 45 48 | 12° 2'19 | 19°56 | 6°29 | 28°45 | 16°25 | 20° 0 | 8°53 | 26°59 | 12°26 | 10° 9 | 25°29 | 23°56 | 11°17 | 12°35 | W 3 |
| T 4 | 18 49 44 | 12°59'41 | 4♋59 | 7°18 | 29°59 | 17° 3 | 20°12 | 8°57 | 26°57 | 12°25 | 10° 7 | 25°25 | 23°52 | 11°23 | 12°34 | T 4 |
| F 5 | 18 53 41 | 13°57'03 | 19°58 | 8° 3 | 1♋12 | 17°40 | 20°24 | 9° 2 | 26°54 | 12°25 | 10° 6 | 25°19 | 23°49 | 11°30 | 12°33 | F 5 |
| S 6 | 18 57 37 | 14°54'23 | 4♌45 | 8°45 | 2°26 | 18°18 | 20°36 | 9° 6 | 26°52 | 12°24 | 10° 4 | 25°11 | 23°46 | 11°37 | 12°32 | S 6 |
| S 7 | 19 1 34 | 15°51'44 | 19°12 | 9°22 | 3°39 | 18°55 | 20°48 | 9°11 | 26°50 | 12°23 | 10° 2 | 25° 4 | 23°43 | 11°43 | 12°30 | S 7 |
| M 8 | 19 5 30 | 16°49'03 | 3♍13 | 9°55 | 4°52 | 19°32 | 21° 0 | 9°15 | 26°47 | 12°23 | 10° 1 | 24°57 | 23°40 | 11°50 | 12°29 | M 8 |
| T 9 | 19 9 27 | 17°46'22 | 16°46 | 10°24 | 6° 6 | 20°10 | 21°12 | 9°19 | 26°45 | 12°22 | 9°59 | 24°51 | 23°37 | 11°57 | 12°28 | T 9 |
| W10 | 19 13 23 | 18°43'40 | 29°52 | 10°49 | 7°19 | 20°47 | 21°24 | 9°23 | 26°43 | 12°21 | 9°58 | 24°47 | 23°33 | 12° 3 | 12°26 | W10 |
| T 11 | 19 17 20 | 19°40'58 | 12♎32 | 11°10 | 8°33 | 21°25 | 21°36 | 9°28 | 26°40 | 12°20 | 9°56 | 24°45 | 23°30 | 12°10 | 12°25 | T 11 |
| F 12 | 19 21 17 | 20°38'15 | 24°52 | 11°25 | 9°46 | 22° 2 | 21°48 | 9°32 | 26°38 | 12°19 | 9°55 | 24°D45 | 23°27 | 12°17 | 12°24 | F 12 |
| S 13 | 19 25 13 | 21°35'31 | 6♏57 | 11°37 | 11° 0 | 22°39 | 22° 0 | 9°35 | 26°35 | 12°19 | 9°53 | 24°46 | 23°24 | 12°23 | 12°22 | S 13 |
| S 14 | 19 29 10 | 22°32'47 | 18°50 | 11°44 | 12°13 | 23°17 | 22°13 | 9°39 | 26°33 | 12°18 | 9°52 | 24°R47 | 23°21 | 12°30 | 12°20 | S 14 |
| M15 | 19 33 6 | 23°30'02 | 0♐38 | 11°R46 | 13°27 | 23°54 | 22°25 | 9°43 | 26°30 | 12°17 | 9°50 | 24°47 | 23°18 | 12°37 | 12°19 | M15 |
| T 16 | 19 37 3 | 24°27'17 | 12°26 | 11°43 | 14°40 | 24°32 | 22°37 | 9°47 | 26°28 | 12°16 | 9°49 | 24°45 | 23°14 | 12°43 | 12°17 | T 16 |
| W17 | 19 40 59 | 25°24'32 | 24°16 | 11°36 | 15°54 | 25° 9 | 22°50 | 9°50 | 26°26 | 12°15 | 9°47 | 24°41 | 23°11 | 12°50 | 12°15 | W17 |
| T 18 | 19 44 56 | 26°21'47 | 6♑13 | 11°25 | 17° 7 | 25°47 | 23° 2 | 9°54 | 26°23 | 12°14 | 9°46 | 24°35 | 23° 8 | 12°57 | 12°13 | T 18 |
| F 19 | 19 48 52 | 27°19'01 | 18°19 | 11° 9 | 18°21 | 26°24 | 23°15 | 9°57 | 26°21 | 12°13 | 9°44 | 24°26 | 23° 5 | 13° 3 | 12°12 | F 19 |
| S 20 | 19 52 49 | 28°16'15 | 0♒35 | 10°49 | 19°34 | 27° 2 | 23°27 | 10° 1 | 26°18 | 12°12 | 9°43 | 24°16 | 23° 2 | 13°10 | 12°10 | S 20 |
| S 21 | 19 56 46 | 29°13'29 | 13° 2 | 10°25 | 20°48 | 27°39 | 23°40 | 10° 4 | 26°16 | 12°11 | 9°41 | 24° 4 | 22°58 | 13°16 | 12° 8 | S 21 |
| M22 | 20 0 42 | 0♌10'42 | 25°42 | 9°57 | 22° 2 | 28°16 | 23°52 | 10° 7 | 26°13 | 12°10 | 9°40 | 23°53 | 22°55 | 13°23 | 12° 6 | M22 |
| T 23 | 20 4 39 | 1° 7'56 | 8♓33 | 9°26 | 23°15 | 28°54 | 24° 5 | 10°10 | 26°11 | 12° 9 | 9°38 | 23°43 | 22°52 | 13°30 | 12° 4 | T 23 |
| W24 | 20 8 35 | 2° 5'11 | 21°36 | 8°53 | 24°29 | 29°31 | 24°18 | 10°13 | 26° 9 | 12° 7 | 9°37 | 23°35 | 22°49 | 13°36 | 12° 2 | W24 |
| T 25 | 20 12 32 | 3° 2'25 | 4♈51 | 8°17 | 25°43 | 0♍ 9 | 24°30 | 10°16 | 26° 6 | 12° 6 | 9°35 | 23°30 | 22°46 | 13°43 | 12° 0 | T 25 |
| F 26 | 20 16 28 | 3°59'40 | 18°20 | 7°40 | 26°56 | 0°46 | 24°43 | 10°19 | 26° 4 | 12° 5 | 9°34 | 23°27 | 22°43 | 13°50 | 11°57 | F 26 |
| S 27 | 20 20 25 | 4°56'55 | 2♉ 2 | 7° 1 | 28°10 | 1°24 | 24°56 | 10°21 | 26° 1 | 12° 4 | 9°33 | 23°D26 | 22°39 | 13°56 | 11°55 | S 27 |
| S 28 | 20 24 21 | 5°54'11 | 16° 0 | 6°23 | 29°24 | 2° 1 | 25° 9 | 10°24 | 25°59 | 12° 3 | 9°31 | 23°R26 | 22°36 | 14° 3 | 11°53 | S 28 |
| M29 | 20 28 18 | 6°51'27 | 0♊11 | 5°44 | 0♌37 | 2°39 | 25°22 | 10°26 | 25°57 | 12° 1 | 9°30 | 23°26 | 22°33 | 14°10 | 11°51 | M29 |
| T 30 | 20 32 15 | 7°48'44 | 14°37 | 5° 6 | 1°51 | 3°17 | 25°34 | 10°29 | 25°54 | 12° 0 | 9°29 | 23°25 | 22°30 | 14°16 | 11°48 | T 30 |
| W31 | 20 36 11 | 8♌46'02 | 29♊13 | 4♌30 | 3♌ 5 | 3♍54 | 25♌47 | 10♉31 | 25♑52 | 11♓59 | 9♑27 | 23♏21 | 22♏27 | 14♐23 | 11♓46 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n55 | 18n10 | 0n28 | 19n45 | 0n47 | 22n47 | 0s29 | 17n25 | 1n16 | 15n28 | 0n39 | 12n 7 | 2s20 | 21s 7 | 0s30 | 7s20 | 0s31 | 15s41 | 7n16 | 19s 2 | 18s41 | 20s29 | 1s25 | 5n49 |
| T 2 | 22 51 | 20 11 | 0s51 | 19 20 | 0 36 | 22 51 | 0 26 | 17 13 | 1 16 | 15 24 | 0 39 | 12 8 | 2 20 | 21 8 | 0 30 | 7 20 | 0 31 | 15 41 | 7 16 | 19 2 | 18 40 | 20 29 | 1 25 | 5 49 |
| W 3 | 22 46 | 20 48 | 2 8 | 18 56 | 0 24 | 22 54 | 0 24 | 17 2 | 1 16 | 15 21 | 0 39 | 12 9 | 2 21 | 21 8 | 0 30 | 7 21 | 0 31 | 15 41 | 7 15 | 19 2 | 18 39 | 20 29 | 1 25 | 5 49 |
| T 4 | 22 41 | 19 56 | 3 17 | 18 32 | 0 12 | 22 57 | 0 22 | 16 50 | 1 15 | 15 17 | 0 39 | 12 11 | 2 21 | 21 8 | 0 30 | 7 21 | 0 31 | 15 41 | 7 15 | 19 1 | 18 38 | 20 29 | 1 25 | 5 50 |
| F 5 | 22 35 | 17 41 | 4 11 | 18 8 | 0s 1 | 22 59 | 0 19 | 16 39 | 1 15 | 15 13 | 0 39 | 12 12 | 2 21 | 21 9 | 0 30 | 7 21 | 0 32 | 15 42 | 7 15 | 18 59 | 18 38 | 20 29 | 1 25 | 5 50 |
| S 6 | 22 29 | 14 18 | 4 48 | 17 45 | 0 14 | 23 0 | 0 17 | 16 27 | 1 15 | 15 9 | 0 39 | 12 13 | 2 21 | 21 9 | 0 30 | 7 21 | 0 32 | 15 42 | 7 15 | 18 57 | 18 37 | 20 29 | 1 25 | 5 50 |
| S 7 | 22 22 | 10 8 | 5 6 | 17 22 | 0 28 | 23 1 | 0 14 | 16 15 | 1 15 | 15 6 | 0 39 | 12 14 | 2 22 | 21 10 | 0 30 | 7 22 | 0 32 | 15 42 | 7 15 | 18 56 | 18 36 | 20 29 | 1 26 | 5 50 |
| M 8 | 22 15 | 5 32 | 5 4 | 16 59 | 0 42 | 23 1 | 0 12 | 16 3 | 1 14 | 15 2 | 0 39 | 12 15 | 2 22 | 21 10 | 0 30 | 7 22 | 0 32 | 15 42 | 7 15 | 18 54 | 18 35 | 20 29 | 1 26 | 5 51 |
| T 9 | 22 8 | 0 49 | 4 45 | 16 38 | 0 57 | 23 1 | 0 9 | 15 51 | 1 14 | 14 58 | 0 39 | 12 16 | 2 22 | 21 11 | 0 30 | 7 22 | 0 32 | 15 42 | 7 15 | 18 53 | 18 34 | 20 29 | 1 26 | 5 51 |
| W10 | 22 0 | 3s48 | 4 12 | 16 16 | 1 12 | 22 59 | 0 7 | 15 39 | 1 14 | 14 54 | 0 39 | 12 18 | 2 22 | 21 11 | 0 30 | 7 23 | 0 32 | 15 43 | 7 15 | 18 52 | 18 34 | 20 29 | 1 26 | 5 51 |
| T 11 | 21 52 | 8 7 | 3 27 | 15 56 | 1 27 | 22 58 | 0 5 | 15 27 | 1 14 | 14 50 | 0 39 | 12 19 | 2 22 | 21 12 | 0 30 | 7 23 | 0 32 | 15 43 | 7 14 | 18 51 | 18 33 | 20 29 | 1 27 | 5 51 |
| F 12 | 21 44 | 11 58 | 2 34 | 15 37 | 1 43 | 22 55 | 0 2 | 15 15 | 1 13 | 14 46 | 0 39 | 12 20 | 2 23 | 21 12 | 0 30 | 7 23 | 0 32 | 15 43 | 7 14 | 18 51 | 18 32 | 20 29 | 1 27 | 5 52 |
| S 13 | 21 35 | 15 15 | 1 34 | 15 19 | 1 58 | 22 52 | 0n 0 | 15 2 | 1 13 | 14 43 | 0 39 | 12 21 | 2 23 | 21 13 | 0 30 | 7 24 | 0 32 | 15 43 | 7 14 | 18 51 | 18 31 | 20 29 | 1 27 | 5 52 |
| S 14 | 21 26 | 17 51 | 0 32 | 15 2 | 2 14 | 22 48 | 0 3 | 14 50 | 1 13 | 14 39 | 0 39 | 12 22 | 2 23 | 21 13 | 0 30 | 7 24 | 0 32 | 15 44 | 7 14 | 18 52 | 18 30 | 20 30 | 1 28 | 5 52 |
| M15 | 21 17 | 19 40 | 0n31 | 14 46 | 2 30 | 22 43 | 0 5 | 14 37 | 1 12 | 14 35 | 0 39 | 12 23 | 2 23 | 21 14 | 0 30 | 7 24 | 0 32 | 15 44 | 7 14 | 18 52 | 18 30 | 20 30 | 1 28 | 5 52 |
| T 16 | 21 7 | 20 37 | 1 33 | 14 31 | 2 46 | 22 38 | 0 8 | 14 25 | 1 12 | 14 31 | 0 39 | 12 24 | 2 24 | 21 14 | 0 30 | 7 25 | 0 32 | 15 44 | 7 14 | 18 51 | 18 29 | 20 30 | 1 29 | 5 52 |
| W17 | 20 56 | 20 40 | 2 31 | 14 18 | 3 1 | 22 32 | 0 10 | 14 12 | 1 12 | 14 27 | 0 39 | 12 24 | 2 24 | 21 15 | 0 30 | 7 25 | 0 32 | 15 45 | 7 14 | 18 50 | 18 28 | 20 30 | 1 29 | 5 53 |
| T 18 | 20 46 | 19 47 | 3 23 | 14 7 | 3 16 | 22 25 | 0 12 | 13 59 | 1 12 | 14 23 | 0 39 | 12 25 | 2 24 | 21 15 | 0 30 | 7 26 | 0 32 | 15 45 | 7 13 | 18 49 | 18 27 | 20 30 | 1 30 | 5 53 |
| F 19 | 20 35 | 18 0 | 4 6 | 13 57 | 3 31 | 22 18 | 0 15 | 13 46 | 1 11 | 14 19 | 0 39 | 12 26 | 2 24 | 21 15 | 0 30 | 7 26 | 0 32 | 15 45 | 7 13 | 18 47 | 18 26 | 20 30 | 1 30 | 5 53 |
| S 20 | 20 24 | 15 23 | 4 38 | 13 49 | 3 45 | 22 10 | 0 17 | 13 33 | 1 11 | 14 14 | 0 39 | 12 27 | 2 24 | 21 16 | 0 30 | 7 26 | 0 32 | 15 45 | 7 13 | 18 44 | 18 26 | 20 30 | 1 31 | 5 53 |
| S 21 | 20 12 | 12 3 | 4 57 | 13 42 | 3 59 | 22 2 | 0 20 | 13 20 | 1 11 | 14 10 | 0 39 | 12 28 | 2 25 | 21 16 | 0 30 | 7 27 | 0 32 | 15 46 | 7 13 | 18 41 | 18 25 | 20 30 | 1 31 | 5 53 |
| M22 | 20 0 | 8 8 | 5 3 | 13 37 | 4 11 | 21 53 | 0 22 | 13 7 | 1 10 | 14 6 | 0 39 | 12 28 | 2 25 | 21 17 | 0 30 | 7 27 | 0 32 | 15 46 | 7 13 | 18 38 | 18 24 | 20 29 | 1 32 | 5 54 |
| T 23 | 19 48 | 3 47 | 4 53 | 13 34 | 4 22 | 21 43 | 0 24 | 12 53 | 1 10 | 14 2 | 0 39 | 12 29 | 2 25 | 21 17 | 0 30 | 7 28 | 0 32 | 15 46 | 7 12 | 18 36 | 18 23 | 20 29 | 1 32 | 5 54 |
| W24 | 19 35 | 0n48 | 4 28 | 13 33 | 4 33 | 21 33 | 0 27 | 12 40 | 1 10 | 13 58 | 0 39 | 12 30 | 2 25 | 21 18 | 0 30 | 7 28 | 0 32 | 15 47 | 7 12 | 18 34 | 18 22 | 20 29 | 1 33 | 5 54 |
| T 25 | 19 22 | 5 25 | 3 48 | 13 33 | 4 42 | 21 21 | 0 29 | 12 27 | 1 10 | 13 54 | 0 39 | 12 31 | 2 26 | 21 18 | 0 30 | 7 29 | 0 32 | 15 47 | 7 12 | 18 33 | 18 22 | 20 29 | 1 34 | 5 54 |
| F 26 | 19 9 | 9 51 | 2 55 | 13 35 | 4 49 | 21 10 | 0 31 | 12 13 | 1 9 | 13 50 | 0 39 | 12 31 | 2 26 | 21 19 | 0 30 | 7 29 | 0 32 | 15 47 | 7 12 | 18 32 | 18 21 | 20 29 | 1 34 | 5 54 |
| S 27 | 18 55 | 13 51 | 1 51 | 13 39 | 4 55 | 20 58 | 0 33 | 12 0 | 1 9 | 13 45 | 0 39 | 12 32 | 2 26 | 21 19 | 0 30 | 7 30 | 0 32 | 15 47 | 7 12 | 18 32 | 18 20 | 20 29 | 1 35 | 5 55 |
| S 28 | 18 42 | 17 10 | 0 39 | 13 44 | 4 59 | 20 45 | 0 35 | 11 46 | 1 9 | 13 41 | 0 39 | 12 32 | 2 26 | 21 20 | 0 30 | 7 30 | 0 32 | 15 48 | 7 11 | 18 32 | 18 19 | 20 29 | 1 36 | 5 55 |
| M29 | 18 27 | 19 30 | 0s36 | 13 51 | 5 2 | 20 31 | 0 38 | 11 32 | 1 8 | 13 37 | 0 39 | 12 33 | 2 27 | 21 20 | 0 30 | 7 31 | 0 32 | 15 48 | 7 11 | 18 32 | 18 18 | 20 29 | 1 36 | 5 55 |
| T 30 | 18 13 | 20 36 | 1 50 | 13 59 | 5 3 | 20 17 | 0 40 | 11 19 | 1 8 | 13 33 | 0 39 | 12 33 | 2 27 | 21 20 | 0 30 | 7 31 | 0 32 | 15 48 | 7 11 | 18 31 | 18 18 | 20 29 | 1 37 | 5 55 |
| W31 | 17n58 | 20n21 | 2s58 | 14n 8 | 5s 3 | 20n 2 | 0n42 | 11n 5 | 1n 8 | 13n28 | 0n39 | 12n34 | 2s27 | 21s21 | 0s30 | 7s32 | 0s32 | 15s49 | 7n11 | 18s31 | 18s17 | 20s29 | 1s38 | 5n55 |

Julian Day Number = 2816603.5, Delta T = 54m49s
Ecliptic obliquity = 23°18'29, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°43'56, Lahiri = 37°50'56


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# ASTRODIENST EPHEMERIS for the year 2999
# geocentric

## AUGUST 2999 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 40 8 | 9♌43'19 | 13♋55 | 3°R56 | 4♌19 | 4♍32 | 26♌ 0 | 10♉33 | 25°R49 | 11°R58 | 9°R26 | 23°R15 | 22♏24 | 14♐30 | 11°R44 | T 1 |
| F 2 | 20 44 4 | 10°40'38 | 28°37 | 3♌26 | 5°32 | 5° 9 | 26°13 | 10°35 | 25♑47 | 11♓56 | 9♑25 | 23♏ 6 | 22°20 | 14°36 | 11♓41 | F 2 |
| S 3 | 20 48 1 | 11°37'56 | 13♌10 | 2°58 | 6°46 | 5°47 | 26°26 | 10°37 | 25°45 | 11°55 | 9°23 | 22°55 | 22°17 | 14°43 | 11°39 | S 3 |
| S 4 | 20 51 57 | 12°35'15 | 27°27 | 2°34 | 8° 0 | 6°24 | 26°39 | 10°39 | 25°43 | 11°53 | 9°22 | 22°44 | 22°14 | 14°50 | 11°36 | S 4 |
| M 5 | 20 55 54 | 13°32'35 | 11♍23 | 2°15 | 9°14 | 7° 2 | 26°52 | 10°41 | 25°40 | 11°52 | 9°21 | 22°33 | 22°11 | 14°56 | 11°34 | M 5 |
| T 6 | 20 59 50 | 14°29'54 | 24°55 | 2° 1 | 10°28 | 7°40 | 27° 5 | 10°43 | 25°38 | 11°51 | 9°20 | 22°24 | 22° 8 | 15° 3 | 11°31 | T 6 |
| W 7 | 21 3 47 | 15°27'14 | 8♎ 0 | 1°52 | 11°41 | 8°17 | 27°18 | 10°44 | 25°36 | 11°49 | 9°19 | 22°17 | 22° 4 | 15°10 | 11°28 | W 7 |
| T 8 | 21 7 44 | 16°24'34 | 20°42 | 1°D48 | 12°55 | 8°55 | 27°31 | 10°46 | 25°33 | 11°48 | 9°17 | 22°13 | 22° 1 | 15°16 | 11°26 | T 8 |
| F 9 | 21 11 40 | 17°21'55 | 3♏ 3 | 1°50 | 14° 9 | 9°33 | 27°44 | 10°47 | 25°31 | 11°46 | 9°16 | 22°11 | 21°58 | 15°23 | 11°23 | F 9 |
| S 10 | 21 15 37 | 18°19'15 | 15° 8 | 1°57 | 15°23 | 10°10 | 27°58 | 10°49 | 25°29 | 11°45 | 9°15 | 22°10 | 21°55 | 15°30 | 11°20 | S 10 |
| S 11 | 21 19 33 | 19°16'36 | 27° 3 | 2°11 | 16°37 | 10°48 | 28°11 | 10°50 | 25°27 | 11°43 | 9°14 | 22°10 | 21°52 | 15°36 | 11°18 | S 11 |
| M12 | 21 23 30 | 20°13'58 | 8♐52 | 2°31 | 17°51 | 11°26 | 28°24 | 10°51 | 25°25 | 11°42 | 9°13 | 22°10 | 21°49 | 15°43 | 11°15 | M12 |
| T 13 | 21 27 26 | 21°11'20 | 20°41 | 2°56 | 19° 5 | 12° 3 | 28°37 | 10°52 | 25°23 | 11°40 | 9°12 | 22° 7 | 21°45 | 15°50 | 11°12 | T 13 |
| W14 | 21 31 23 | 22° 8'42 | 2♑34 | 3°28 | 20°19 | 12°41 | 28°50 | 10°53 | 25°21 | 11°39 | 9°11 | 22° 3 | 21°42 | 15°56 | 11° 9 | W14 |
| T 15 | 21 35 19 | 23° 6'05 | 14°37 | 4° 6 | 21°33 | 13°19 | 29° 3 | 10°54 | 25°18 | 11°37 | 9°10 | 21°56 | 21°39 | 16° 3 | 11° 7 | T 15 |
| F 16 | 21 39 16 | 24° 3'28 | 26°52 | 4°50 | 22°47 | 13°56 | 29°16 | 10°54 | 25°16 | 11°36 | 9° 9 | 21°46 | 21°36 | 16°10 | 11° 4 | F 16 |
| S 17 | 21 43 13 | 25° 0'52 | 9♒21 | 5°40 | 24° 1 | 14°34 | 29°30 | 10°55 | 25°14 | 11°34 | 9° 8 | 21°34 | 21°33 | 16°16 | 11° 1 | S 17 |
| S 18 | 21 47 9 | 25°58'17 | 22° 5 | 6°36 | 25°15 | 15°12 | 29°43 | 10°55 | 25°12 | 11°33 | 9° 7 | 21°22 | 21°29 | 16°23 | 10°58 | S 18 |
| M19 | 21 51 6 | 26°55'43 | 5♓ 3 | 7°37 | 26°29 | 15°50 | 29°56 | 10°56 | 25°11 | 11°31 | 9° 6 | 21° 9 | 21°26 | 16°29 | 10°55 | M19 |
| T 20 | 21 55 2 | 27°53'09 | 18°15 | 8°44 | 27°43 | 16°27 | 0♍ 9 | 10°56 | 25° 9 | 11°30 | 9° 5 | 20°58 | 21°23 | 16°36 | 10°52 | T 20 |
| W21 | 21 58 59 | 28°50'36 | 1♈39 | 9°57 | 28°57 | 17° 5 | 0°22 | 10°56 | 25° 7 | 11°28 | 9° 4 | 20°48 | 21°20 | 16°43 | 10°49 | W21 |
| T 22 | 22 2 55 | 29°48'05 | 15°14 | 11°15 | 0♍11 | 17°43 | 0°35 | 10°R56 | 25° 5 | 11°26 | 9° 3 | 20°42 | 21°17 | 16°49 | 10°46 | T 22 |
| F 23 | 22 6 52 | 0♍45'34 | 28°57 | 12°38 | 1°25 | 18°21 | 0°49 | 10°56 | 25° 3 | 11°25 | 9° 2 | 20°38 | 21°14 | 16°56 | 10°43 | F 23 |
| S 24 | 22 10 48 | 1°43'05 | 12♉49 | 14° 7 | 2°39 | 18°59 | 1° 2 | 10°56 | 25° 1 | 11°23 | 9° 2 | 20°37 | 21°10 | 17° 3 | 10°40 | S 24 |
| S 25 | 22 14 45 | 2°40'37 | 26°48 | 15°39 | 3°53 | 19°36 | 1°15 | 10°56 | 24°59 | 11°22 | 9° 1 | 20°37 | 21° 7 | 17° 9 | 10°37 | S 25 |
| M26 | 22 18 42 | 3°38'11 | 10♊53 | 17°17 | 5° 7 | 20°14 | 1°28 | 10°55 | 24°58 | 11°20 | 9° 0 | 20°37 | 21° 4 | 17°16 | 10°34 | M26 |
| T 27 | 22 22 38 | 4°35'46 | 25° 6 | 18°58 | 6°21 | 20°52 | 1°41 | 10°55 | 24°56 | 11°18 | 8°59 | 20°36 | 21° 1 | 17°23 | 10°31 | T 27 |
| W28 | 22 26 35 | 5°33'22 | 9♋22 | 20°43 | 7°35 | 21°30 | 1°55 | 10°54 | 24°54 | 11°17 | 8°59 | 20°32 | 20°58 | 17°29 | 10°28 | W28 |
| T 29 | 22 30 31 | 6°31'00 | 23°41 | 22°31 | 8°49 | 22° 8 | 2° 8 | 10°54 | 24°53 | 11°15 | 8°58 | 20°26 | 20°55 | 17°36 | 10°25 | T 29 |
| F 30 | 22 34 28 | 7°28'39 | 7♌57 | 24°22 | 10° 4 | 22°46 | 2°21 | 10°53 | 24°51 | 11°14 | 8°57 | 20°18 | 20°51 | 17°43 | 10°22 | F 30 |
| S 31 | 22 38 24 | 8♍26'19 | 22♌ 6 | 26♌16 | 11♍18 | 23♍24 | 2♍34 | 10♉52 | 24♑50 | 11♓12 | 8♑57 | 20♏ 7 | 20♏48 | 17♐49 | 10♓19 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n43 | 18n42 | 3s54 | 14n18 | 5s 0 | 19n47 | 0n44 | 10n51 | 1n 7 | 13n24 | 0n39 | 12n34 | 2s27 | 21s21 | 0s30 | 7s32 | 0s32 | 15s49 | 7n11 | 18s29 | 18s16 | 20s29 | 1s39 | 5n55 |
| F 2 | 17 28 | 15 50 | 4 35 | 14 29 | 4 56 | 19 31 | 0 46 | 10 37 | 1 7 | 13 20 | 0 39 | 12 35 | 2 28 | 21 22 | 0 30 | 7 33 | 0 32 | 15 49 | 7 10 | 18 27 | 18 15 | 20 29 | 1 39 | 5 55 |
| S 3 | 17 12 | 12 1 | 4 57 | 14 40 | 4 51 | 19 15 | 0 48 | 10 23 | 1 7 | 13 15 | 0 39 | 12 35 | 2 28 | 21 22 | 0 30 | 7 33 | 0 32 | 15 50 | 7 10 | 18 24 | 18 14 | 20 29 | 1 40 | 5 56 |
| S 4 | 16 56 | 7 35 | 5 0 | 14 52 | 4 44 | 18 58 | 0 50 | 10 9 | 1 7 | 13 11 | 0 39 | 12 35 | 2 28 | 21 23 | 0 30 | 7 34 | 0 32 | 15 50 | 7 10 | 18 21 | 18 14 | 20 29 | 1 41 | 5 56 |
| M 5 | 16 40 | 2 51 | 4 45 | 15 5 | 4 35 | 18 41 | 0 52 | 9 54 | 1 6 | 13 7 | 0 40 | 12 36 | 2 28 | 21 23 | 0 30 | 7 34 | 0 32 | 15 50 | 7 10 | 18 18 | 18 13 | 20 29 | 1 42 | 5 56 |
| T 6 | 16 24 | 1s53 | 4 15 | 15 17 | 4 25 | 18 23 | 0 54 | 9 40 | 1 6 | 13 2 | 0 40 | 12 36 | 2 29 | 21 23 | 0 30 | 7 35 | 0 32 | 15 50 | 7 9 | 18 16 | 18 12 | 20 29 | 1 43 | 5 56 |
| W 7 | 16 7 | 6 24 | 3 31 | 15 30 | 4 14 | 18 4 | 0 55 | 9 26 | 1 6 | 12 58 | 0 40 | 12 36 | 2 29 | 21 24 | 0 30 | 7 35 | 0 32 | 15 51 | 7 9 | 18 14 | 18 11 | 20 29 | 1 44 | 5 56 |
| T 8 | 15 50 | 10 29 | 2 39 | 15 42 | 4 3 | 17 45 | 0 57 | 9 12 | 1 5 | 12 53 | 0 40 | 12 36 | 2 29 | 21 24 | 0 30 | 7 36 | 0 32 | 15 51 | 7 9 | 18 13 | 18 10 | 20 29 | 1 44 | 5 56 |
| F 9 | 15 33 | 14 1 | 1 40 | 15 55 | 3 50 | 17 26 | 0 59 | 8 57 | 1 5 | 12 49 | 0 40 | 12 37 | 2 30 | 21 25 | 0 30 | 7 36 | 0 32 | 15 51 | 7 9 | 18 13 | 18 10 | 20 28 | 1 45 | 5 56 |
| S 10 | 15 15 | 16 53 | 0 37 | 16 6 | 3 36 | 17 6 | 1 1 | 8 43 | 1 5 | 12 44 | 0 40 | 12 37 | 2 30 | 21 25 | 0 30 | 7 37 | 0 32 | 15 52 | 7 8 | 18 13 | 18 9 | 20 28 | 1 46 | 5 56 |
| S 11 | 14 58 | 18 58 | 0n26 | 16 17 | 3 22 | 16 46 | 1 2 | 8 28 | 1 4 | 12 40 | 0 40 | 12 37 | 2 30 | 21 25 | 0 30 | 7 38 | 0 32 | 15 52 | 7 8 | 18 13 | 18 8 | 20 28 | 1 47 | 5 56 |
| M12 | 14 40 | 20 13 | 1 27 | 16 27 | 3 7 | 16 25 | 1 4 | 8 14 | 1 4 | 12 35 | 0 40 | 12 37 | 2 30 | 21 26 | 0 30 | 7 38 | 0 32 | 15 52 | 7 8 | 18 13 | 18 7 | 20 28 | 1 48 | 5 56 |
| T 13 | 14 22 | 20 34 | 2 25 | 16 37 | 2 52 | 16 3 | 1 5 | 7 59 | 1 4 | 12 31 | 0 40 | 12 37 | 2 31 | 21 26 | 0 30 | 7 39 | 0 32 | 15 53 | 7 8 | 18 12 | 18 6 | 20 28 | 1 49 | 5 56 |
| W14 | 14 3 | 20 1 | 3 17 | 16 45 | 2 36 | 15 42 | 1 7 | 7 44 | 1 3 | 12 26 | 0 40 | 12 37 | 2 31 | 21 27 | 0 30 | 7 39 | 0 32 | 15 53 | 7 7 | 18 11 | 18 5 | 20 28 | 1 50 | 5 57 |
| T 15 | 13 45 | 18 32 | 4 0 | 16 51 | 2 20 | 15 19 | 1 8 | 7 30 | 1 3 | 12 22 | 0 40 | 12 37 | 2 31 | 21 27 | 0 30 | 7 40 | 0 32 | 15 53 | 7 7 | 18 9 | 18 5 | 20 28 | 1 51 | 5 57 |
| F 16 | 13 26 | 16 12 | 4 33 | 16 56 | 2 4 | 14 57 | 1 10 | 7 15 | 1 3 | 12 17 | 0 40 | 12 37 | 2 31 | 21 27 | 0 30 | 7 41 | 0 32 | 15 54 | 7 7 | 18 6 | 18 4 | 20 28 | 1 52 | 5 57 |
| S 17 | 13 7 | 13 5 | 4 54 | 17 0 | 1 48 | 14 34 | 1 11 | 7 0 | 1 2 | 12 13 | 0 40 | 12 37 | 2 32 | 21 28 | 0 30 | 7 41 | 0 32 | 15 54 | 7 7 | 18 3 | 18 3 | 20 28 | 1 53 | 5 57 |
| S 18 | 12 48 | 9 20 | 5 0 | 17 2 | 1 32 | 14 10 | 1 12 | 6 45 | 1 2 | 12 8 | 0 40 | 12 37 | 2 32 | 21 28 | 0 30 | 7 42 | 0 32 | 15 54 | 7 6 | 18 0 | 18 2 | 20 27 | 1 54 | 5 57 |
| M19 | 12 28 | 5 4 | 4 52 | 17 2 | 1 17 | 13 46 | 1 13 | 6 30 | 1 2 | 12 4 | 0 40 | 12 37 | 2 32 | 21 28 | 0 30 | 7 42 | 0 32 | 15 55 | 7 6 | 17 57 | 18 1 | 20 27 | 1 55 | 5 57 |
| T 20 | 12 9 | 0 31 | 4 28 | 16 59 | 1 1 | 13 22 | 1 15 | 6 16 | 1 1 | 11 59 | 0 40 | 12 37 | 2 32 | 21 29 | 0 30 | 7 43 | 0 32 | 15 55 | 7 6 | 17 54 | 18 1 | 20 27 | 1 56 | 5 57 |
| W21 | 11 49 | 4n 9 | 3 48 | 16 55 | 0 46 | 12 58 | 1 16 | 6 1 | 1 1 | 11 55 | 0 40 | 12 36 | 2 33 | 21 29 | 0 30 | 7 44 | 0 32 | 15 55 | 7 6 | 17 51 | 18 0 | 20 27 | 1 57 | 5 57 |
| T 22 | 11 29 | 8 40 | 2 56 | 16 48 | 0 31 | 12 33 | 1 17 | 5 46 | 1 1 | 11 50 | 0 40 | 12 36 | 2 33 | 21 29 | 0 30 | 7 44 | 0 32 | 15 56 | 7 5 | 17 50 | 17 59 | 20 27 | 1 59 | 5 57 |
| F 23 | 11 9 | 12 47 | 1 52 | 16 39 | 0 17 | 12 8 | 1 18 | 5 31 | 1 0 | 11 46 | 0 41 | 12 36 | 2 33 | 21 30 | 0 30 | 7 45 | 0 33 | 15 56 | 7 5 | 17 49 | 17 58 | 20 27 | 2 0 | 5 57 |
| S 24 | 10 48 | 16 15 | 0 41 | 16 27 | 0 3 | 11 42 | 1 19 | 5 16 | 1 0 | 11 41 | 0 41 | 12 36 | 2 33 | 21 30 | 0 30 | 7 45 | 0 33 | 15 56 | 7 5 | 17 49 | 17 57 | 20 26 | 2 1 | 5 57 |
| S 25 | 10 28 | 18 48 | 0s33 | 16 13 | 0n10 | 11 16 | 1 20 | 5 0 | 1 0 | 11 36 | 0 41 | 12 35 | 2 34 | 21 30 | 0 30 | 7 46 | 0 33 | 15 57 | 7 4 | 17 48 | 17 56 | 20 26 | 2 2 | 5 57 |
| M26 | 10 7 | 20 13 | 1 45 | 15 55 | 0 22 | 10 50 | 1 20 | 4 45 | 0 59 | 11 32 | 0 41 | 12 35 | 2 34 | 21 31 | 0 30 | 7 47 | 0 33 | 15 57 | 7 4 | 17 48 | 17 56 | 20 26 | 2 3 | 5 57 |
| T 27 | 9 46 | 20 21 | 2 52 | 15 35 | 0 34 | 10 23 | 1 21 | 4 30 | 0 59 | 11 27 | 0 41 | 12 35 | 2 34 | 21 31 | 0 30 | 7 47 | 0 33 | 15 57 | 7 4 | 17 48 | 17 55 | 20 26 | 2 4 | 5 57 |
| W28 | 9 25 | 19 11 | 3 48 | 15 13 | 0 44 | 9 57 | 1 22 | 4 15 | 0 59 | 11 22 | 0 41 | 12 34 | 2 34 | 21 31 | 0 30 | 7 48 | 0 33 | 15 58 | 7 3 | 17 47 | 17 54 | 20 26 | 2 5 | 5 57 |
| T 29 | 9 4 | 16 48 | 4 30 | 14 48 | 0 54 | 9 30 | 1 22 | 4 0 | 0 58 | 11 18 | 0 41 | 12 34 | 2 35 | 21 32 | 0 30 | 7 49 | 0 33 | 15 58 | 7 3 | 17 46 | 17 53 | 20 26 | 2 6 | 5 57 |
| F 30 | 8 43 | 13 25 | 4 55 | 14 20 | 1 4 | 9 2 | 1 23 | 3 45 | 0 58 | 11 13 | 0 41 | 12 33 | 2 35 | 21 32 | 0 30 | 7 49 | 0 33 | 15 58 | 7 3 | 17 43 | 17 52 | 20 25 | 2 8 | 5 57 |
| S 31 | 8n22 | 9n18 | 5s 2 | 13n49 | 1n12 | 8n35 | 1n24 | 3n29 | 0n57 | 11n 9 | 0n41 | 12n33 | 2s35 | 21s32 | 0s30 | 7s50 | 0s33 | 15s59 | 7n 3 | 17s41 | 17s51 | 20s25 | 2s 9 | 5n57 |

Julian Day Number = 2816634.5, Delta T = 54m49s
Ecliptic obliquity = 23°18'29, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°44'00, Lahiri = 37°51'01


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# ASTRODIENST EPHEMERIS for the year 2999
# geocentric

## SEPTEMBER 2999 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 42 21 | 9♍24'01 | 6♍ 3 | 28♌11 | 12♍32 | 24♍ 2 | 2♍47 | 10°R51 | 24°R48 | 11°R10 | 8°R56 | 19°R56 | 20♏45 | 17♐56 | 10°R16 | S 1 |
| M 2 | 22 46 17 | 10°21'43 | 19°43 | 0♍ 9 | 13°46 | 24°40 | 3° 0 | 10♉50 | 24♉47 | 11♓ 9 | 8♉56 | 19♏45 | 20°42 | 18° 3 | 10♓13 | M 2 |
| T 3 | 22 50 14 | 11°19'27 | 3♎ 3 | 2° 8 | 15° 0 | 25°18 | 3°14 | 10°49 | 24°45 | 11° 7 | 8°55 | 19°36 | 20°39 | 18° 9 | 10°10 | T 3 |
| W 4 | 22 54 10 | 12°17'12 | 16° 1 | 4° 7 | 16°14 | 25°56 | 3°27 | 10°48 | 24°44 | 11° 5 | 8°55 | 19°29 | 20°35 | 18°16 | 10° 7 | W 4 |
| T 5 | 22 58 7 | 13°14'58 | 28°39 | 6° 8 | 17°29 | 26°34 | 3°40 | 10°46 | 24°42 | 11° 4 | 8°54 | 19°25 | 20°32 | 18°23 | 10° 4 | T 5 |
| F 6 | 23 2 4 | 14°12'46 | 10♏58 | 8° 8 | 18°43 | 27°12 | 3°53 | 10°45 | 24°41 | 11° 2 | 8°54 | 19°23 | 20°29 | 18°29 | 10° 1 | F 6 |
| S 7 | 23 6 0 | 15°10'34 | 23° 3 | 10° 9 | 19°57 | 27°50 | 4° 6 | 10°43 | 24°40 | 11° 0 | 8°53 | 19°D23 | 20°26 | 18°36 | 9°58 | S 7 |
| S 8 | 23 9 57 | 16° 8'24 | 4♐58 | 12°10 | 21°11 | 28°28 | 4°19 | 10°42 | 24°39 | 10°59 | 8°53 | 19°23 | 20°23 | 18°43 | 9°55 | S 8 |
| M 9 | 23 13 53 | 17° 6'14 | 16°48 | 14°10 | 22°26 | 29° 6 | 4°32 | 10°40 | 24°37 | 10°57 | 8°53 | 19°R24 | 20°20 | 18°49 | 9°52 | M 9 |
| T 10 | 23 17 50 | 18° 4'06 | 28°38 | 16° 9 | 23°40 | 29°44 | 4°45 | 10°38 | 24°36 | 10°56 | 8°52 | 19°23 | 20°16 | 18°56 | 9°49 | T 10 |
| W11 | 23 21 46 | 19° 1'59 | 10♑34 | 18° 8 | 24°54 | 0♎23 | 4°58 | 10°36 | 24°35 | 10°54 | 8°52 | 19°21 | 20°13 | 19° 3 | 9°46 | W11 |
| T 12 | 23 25 43 | 19°59'53 | 22°40 | 20° 6 | 26° 9 | 1° 1 | 5°11 | 10°34 | 24°34 | 10°52 | 8°52 | 19°16 | 20°10 | 19° 9 | 9°43 | T 12 |
| F 13 | 23 29 39 | 20°57'49 | 5♒ 1 | 22° 3 | 27°23 | 1°39 | 5°24 | 10°32 | 24°33 | 10°51 | 8°52 | 19° 9 | 20° 7 | 19°16 | 9°40 | F 13 |
| S 14 | 23 33 36 | 21°55'46 | 17°39 | 23°59 | 28°37 | 2°17 | 5°37 | 10°30 | 24°32 | 10°49 | 8°51 | 19° 1 | 20° 4 | 19°23 | 9°37 | S 14 |
| S 15 | 23 37 33 | 22°53'44 | 0♓36 | 25°54 | 29°51 | 2°55 | 5°50 | 10°27 | 24°31 | 10°47 | 8°51 | 18°51 | 20° 1 | 19°29 | 9°34 | S 15 |
| M16 | 23 41 29 | 23°51'43 | 13°51 | 27°48 | 1♎ 6 | 3°33 | 6° 3 | 10°25 | 24°30 | 10°46 | 8°51 | 18°42 | 19°57 | 19°36 | 9°32 | M16 |
| T 17 | 23 45 26 | 24°49'44 | 27°25 | 29°40 | 2°20 | 4°12 | 6°15 | 10°22 | 24°30 | 10°44 | 8°51 | 18°33 | 19°54 | 19°43 | 9°29 | T 17 |
| W18 | 23 49 22 | 25°47'46 | 11♈13 | 1♎31 | 3°34 | 4°50 | 6°28 | 10°20 | 24°29 | 10°43 | 8°51 | 18°26 | 19°51 | 19°49 | 9°26 | W18 |
| T 19 | 23 53 19 | 26°45'51 | 25°12 | 3°22 | 4°49 | 5°28 | 6°41 | 10°17 | 24°28 | 10°41 | 8°D51 | 18°22 | 19°48 | 19°56 | 9°23 | T 19 |
| F 20 | 23 57 15 | 27°43'56 | 9♉19 | 5°10 | 6° 3 | 6° 7 | 6°54 | 10°14 | 24°27 | 10°40 | 8°51 | 18°20 | 19°45 | 20° 3 | 9°20 | F 20 |
| S 21 | 0 1 12 | 28°42'04 | 23°30 | 6°58 | 7°17 | 6°45 | 7° 6 | 10°12 | 24°27 | 10°38 | 8°51 | 18°D20 | 19°41 | 20° 9 | 9°17 | S 21 |
| S 22 | 0 5 8 | 29°40'14 | 7♊43 | 8°45 | 8°32 | 7°23 | 7°19 | 10° 9 | 24°26 | 10°37 | 8°51 | 18°20 | 19°38 | 20°16 | 9°15 | S 22 |
| M23 | 0 9 5 | 0♎38'26 | 21°54 | 10°30 | 9°46 | 8° 2 | 7°32 | 10° 6 | 24°26 | 10°35 | 8°51 | 18°21 | 19°35 | 20°23 | 9°12 | M23 |
| T 24 | 0 13 2 | 1°36'40 | 6♋ 3 | 12°14 | 11° 0 | 8°40 | 7°44 | 10° 2 | 24°25 | 10°33 | 8°51 | 18°R22 | 19°32 | 20°29 | 9° 9 | T 24 |
| W25 | 0 16 58 | 2°34'56 | 20° 9 | 13°57 | 12°15 | 9°18 | 7°57 | 9°59 | 24°25 | 10°32 | 8°51 | 18°20 | 19°29 | 20°36 | 9° 6 | W25 |
| T 26 | 0 20 55 | 3°33'13 | 4♌ 8 | 15°39 | 13°29 | 9°57 | 8° 9 | 9°56 | 24°24 | 10°31 | 8°52 | 18°17 | 19°26 | 20°43 | 9° 4 | T 26 |
| F 27 | 0 24 51 | 4°31'33 | 18° 0 | 17°19 | 14°43 | 10°35 | 8°22 | 9°53 | 24°24 | 10°29 | 8°52 | 18°12 | 19°22 | 20°49 | 9° 1 | F 27 |
| S 28 | 0 28 48 | 5°29'55 | 1♍43 | 18°59 | 15°58 | 11°14 | 8°34 | 9°49 | 24°24 | 10°28 | 8°52 | 18° 5 | 19°19 | 20°56 | 8°59 | S 28 |
| S 29 | 0 32 44 | 6°28'19 | 15°14 | 20°37 | 17°12 | 11°52 | 8°47 | 9°46 | 24°23 | 10°26 | 8°52 | 17°58 | 19°16 | 21° 3 | 8°56 | S 29 |
| M30 | 0 36 41 | 7♎26'44 | 28♍30 | 22♎15 | 18♎27 | 12♎31 | 8♍59 | 9♉42 | 24♉23 | 10♓25 | 8♉53 | 17♏52 | 19♏13 | 21♐ 9 | 8♓53 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 8n 0 | 4n44 | 4s50 | 13n17 | 1n19 | 8n 7 | 1n24 | 3n14 | 0n57 | 11n 4 | 0n41 | 12n32 | 2s35 | 21s32 | 0s30 | 7s50 | 0s33 | 15s59 | 7n 2 | 17s38 | 17s51 | 20s25 | 2s10 | 5n57 |
| M 2 | 7 38 | 0 2 | 4 22 | 12 42 | 1 25 | 7 39 | 1 24 | 2 59 | 0 57 | 10 59 | 0 41 | 12 32 | 2 36 | 21 33 | 0 30 | 7 51 | 0 33 | 15 59 | 7 2 | 17 35 | 17 50 | 20 25 | 2 11 | 5 56 |
| T 3 | 7 17 | 4s35 | 3 40 | 12 5 | 1 31 | 7 11 | 1 25 | 2 43 | 0 56 | 10 55 | 0 41 | 12 31 | 2 36 | 21 33 | 0 30 | 7 52 | 0 33 | 16 0 | 7 2 | 17 32 | 17 49 | 20 25 | 2 12 | 5 56 |
| W 4 | 6 55 | 8 51 | 2 48 | 11 26 | 1 35 | 6 42 | 1 25 | 2 28 | 0 56 | 10 50 | 0 41 | 12 30 | 2 36 | 21 33 | 0 30 | 7 52 | 0 33 | 16 0 | 7 1 | 17 30 | 17 48 | 20 24 | 2 13 | 5 56 |
| T 5 | 6 33 | 12 37 | 1 48 | 10 45 | 1 39 | 6 14 | 1 25 | 2 13 | 0 56 | 10 45 | 0 42 | 12 30 | 2 36 | 21 33 | 0 30 | 7 53 | 0 33 | 16 1 | 7 1 | 17 29 | 17 47 | 20 24 | 2 15 | 5 56 |
| F 6 | 6 11 | 15 45 | 0 45 | 10 3 | 1 42 | 5 45 | 1 25 | 1 57 | 0 55 | 10 41 | 0 42 | 12 29 | 2 37 | 21 34 | 0 30 | 7 54 | 0 33 | 16 1 | 7 1 | 17 29 | 17 46 | 20 24 | 2 16 | 5 56 |
| S 7 | 5 49 | 18 7 | 0n20 | 9 19 | 1 44 | 5 16 | 1 25 | 1 42 | 0 55 | 10 36 | 0 42 | 12 28 | 2 37 | 21 34 | 0 30 | 7 54 | 0 33 | 16 1 | 7 0 | 17 29 | 17 46 | 20 24 | 2 17 | 5 56 |
| S 8 | 5 26 | 19 39 | 1 22 | 8 35 | 1 45 | 4 47 | 1 25 | 1 26 | 0 55 | 10 31 | 0 42 | 12 28 | 2 37 | 21 34 | 0 30 | 7 55 | 0 33 | 16 2 | 7 0 | 17 29 | 17 45 | 20 24 | 2 18 | 5 56 |
| M 9 | 5 4 | 20 19 | 2 21 | 7 49 | 1 46 | 4 18 | 1 25 | 1 11 | 0 54 | 10 27 | 0 42 | 12 27 | 2 37 | 21 34 | 0 30 | 7 55 | 0 33 | 16 2 | 7 0 | 17 29 | 17 44 | 20 23 | 2 20 | 5 56 |
| T 10 | 4 42 | 20 4 | 3 14 | 7 3 | 1 45 | 3 48 | 1 25 | 0 56 | 0 54 | 10 22 | 0 42 | 12 26 | 2 38 | 21 34 | 0 30 | 7 56 | 0 33 | 16 2 | 6 59 | 17 29 | 17 43 | 20 23 | 2 21 | 5 56 |
| W11 | 4 19 | 18 55 | 3 59 | 6 16 | 1 44 | 3 19 | 1 25 | 0 40 | 0 53 | 10 17 | 0 42 | 12 25 | 2 38 | 21 35 | 0 30 | 7 57 | 0 33 | 16 3 | 6 59 | 17 28 | 17 42 | 20 23 | 2 22 | 5 56 |
| T 12 | 3 56 | 16 55 | 4 33 | 5 28 | 1 43 | 2 49 | 1 25 | 0 25 | 0 53 | 10 13 | 0 42 | 12 24 | 2 38 | 21 35 | 0 30 | 7 57 | 0 33 | 16 3 | 6 59 | 17 27 | 17 41 | 20 23 | 2 23 | 5 55 |
| F 13 | 3 34 | 14 7 | 4 56 | 4 41 | 1 41 | 2 20 | 1 24 | 0 9 | 0 53 | 10 8 | 0 42 | 12 24 | 2 38 | 21 35 | 0 30 | 7 58 | 0 33 | 16 3 | 6 59 | 17 25 | 17 40 | 20 22 | 2 24 | 5 55 |
| S 14 | 3 11 | 10 36 | 5 5 | 3 52 | 1 38 | 1 50 | 1 24 | 0s 6 | 0 52 | 10 4 | 0 42 | 12 23 | 2 38 | 21 35 | 0 30 | 7 59 | 0 33 | 16 4 | 6 58 | 17 23 | 17 40 | 20 22 | 2 26 | 5 55 |
| S 15 | 2 48 | 6 32 | 4 59 | 3 4 | 1 35 | 1 20 | 1 23 | 0 22 | 0 52 | 9 59 | 0 42 | 12 22 | 2 39 | 21 35 | 0 30 | 7 59 | 0 33 | 16 4 | 6 58 | 17 20 | 17 39 | 20 22 | 2 27 | 5 55 |
| M16 | 2 25 | 2 3 | 4 37 | 2 16 | 1 31 | 0 50 | 1 23 | 0 37 | 0 52 | 9 54 | 0 43 | 12 21 | 2 39 | 21 35 | 0 30 | 8 0 | 0 33 | 16 4 | 6 58 | 17 18 | 17 38 | 20 22 | 2 28 | 5 55 |
| T 17 | 2 3 | 2n38 | 3 59 | 1 27 | 1 27 | 0 20 | 1 22 | 0 53 | 0 51 | 9 50 | 0 43 | 12 20 | 2 39 | 21 35 | 0 30 | 8 0 | 0 33 | 16 5 | 6 57 | 17 15 | 17 37 | 20 21 | 2 29 | 5 55 |
| W18 | 1 40 | 7 16 | 3 6 | 0 39 | 1 22 | 0s10 | 1 22 | 1 8 | 0 51 | 9 45 | 0 43 | 12 19 | 2 39 | 21 36 | 0 30 | 8 1 | 0 33 | 16 5 | 6 57 | 17 13 | 17 36 | 20 21 | 2 31 | 5 54 |
| T 19 | 1 17 | 11 35 | 2 1 | 0s 9 | 1 17 | 0 40 | 1 21 | 1 23 | 0 50 | 9 41 | 0 43 | 12 18 | 2 39 | 21 36 | 0 30 | 8 2 | 0 33 | 16 5 | 6 57 | 17 12 | 17 35 | 20 21 | 2 32 | 5 54 |
| F 20 | 0 54 | 15 17 | 0 48 | 0 57 | 1 12 | 1 10 | 1 20 | 1 39 | 0 50 | 9 36 | 0 43 | 12 17 | 2 40 | 21 36 | 0 30 | 8 2 | 0 33 | 16 5 | 6 56 | 17 11 | 17 35 | 20 21 | 2 33 | 5 54 |
| S 21 | 0 31 | 18 6 | 0s28 | 1 44 | 1 6 | 1 40 | 1 19 | 1 54 | 0 50 | 9 31 | 0 43 | 12 16 | 2 40 | 21 36 | 0 30 | 8 3 | 0 33 | 16 6 | 6 56 | 17 11 | 17 34 | 20 20 | 2 34 | 5 54 |
| S 22 | 0 8 | 19 47 | 1 43 | 2 31 | 1 1 | 2 10 | 1 18 | 2 10 | 0 49 | 9 27 | 0 43 | 12 15 | 2 40 | 21 36 | 0 30 | 8 3 | 0 33 | 16 6 | 6 56 | 17 12 | 17 33 | 20 20 | 2 35 | 5 54 |
| M23 | 0s15 | 20 13 | 2 51 | 3 18 | 0 55 | 2 40 | 1 17 | 2 25 | 0 49 | 9 22 | 0 43 | 12 14 | 2 40 | 21 36 | 0 30 | 8 4 | 0 33 | 16 6 | 6 55 | 17 12 | 17 32 | 20 20 | 2 37 | 5 53 |
| T 24 | 0 38 | 19 21 | 3 49 | 4 4 | 0 48 | 3 10 | 1 16 | 2 41 | 0 48 | 9 18 | 0 43 | 12 12 | 2 40 | 21 36 | 0 29 | 8 4 | 0 33 | 16 7 | 6 55 | 17 12 | 17 31 | 20 19 | 2 38 | 5 53 |
| W25 | 1 1 | 17 19 | 4 33 | 4 50 | 0 42 | 3 39 | 1 15 | 2 56 | 0 48 | 9 13 | 0 43 | 12 11 | 2 41 | 21 36 | 0 29 | 8 5 | 0 33 | 16 7 | 6 55 | 17 12 | 17 30 | 20 19 | 2 39 | 5 53 |
| T 26 | 1 24 | 14 15 | 5 0 | 5 35 | 0 35 | 4 9 | 1 14 | 3 11 | 0 48 | 9 8 | 0 44 | 12 10 | 2 41 | 21 36 | 0 29 | 8 6 | 0 33 | 16 7 | 6 54 | 17 11 | 17 29 | 20 19 | 2 40 | 5 53 |
| F 27 | 1 47 | 10 26 | 5 9 | 6 20 | 0 28 | 4 39 | 1 13 | 3 27 | 0 47 | 9 4 | 0 44 | 12 9 | 2 41 | 21 36 | 0 29 | 8 6 | 0 33 | 16 8 | 6 54 | 17 9 | 17 29 | 20 19 | 2 41 | 5 53 |
| S 28 | 2 10 | 6 7 | 5 0 | 7 4 | 0 21 | 5 9 | 1 12 | 3 42 | 0 47 | 8 59 | 0 44 | 12 8 | 2 41 | 21 36 | 0 29 | 8 7 | 0 33 | 16 8 | 6 54 | 17 8 | 17 28 | 20 18 | 2 43 | 5 52 |
| S 29 | 2 33 | 1 33 | 4 35 | 7 48 | 0 14 | 5 38 | 1 10 | 3 57 | 0 46 | 8 55 | 0 44 | 12 6 | 2 41 | 21 36 | 0 29 | 8 7 | 0 33 | 16 8 | 6 53 | 17 6 | 17 27 | 20 18 | 2 44 | 5 52 |
| M30 | 2s56 | 3s 0 | 3s55 | 8s31 | 0n 7 | 6s 8 | 1n 9 | 4s13 | 0n46 | 8n50 | 0n44 | 12n 5 | 2s41 | 21s36 | 0s29 | 8s 8 | 0s33 | 16s 9 | 6n53 | 17s 4 | 17s26 | 20s18 | 2s45 | 5n52 |

Julian Day Number = 2816665.5, Delta T = 54m50s
Ecliptic obliquity = 23°18'30, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°44'04, Lahiri = 37°51'05


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# ASTRODIENST EPHEMERIS for the year 2999
# geocentric

## OCTOBER 2999 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 40 37 | 8♎25'11 | 11♎31 | 23♎51 | 19♎41 | 13♎ 9 | 9♍11 | 9°R39 | 24°R23 | 10°R23 | 8♏53 | 17°R46 | 19♏10 | 21♐16 | 8°R51 | T 1 |
| W 2 | 0 44 34 | 9°23'40 | 24°15 | 25°26 | 20°55 | 13°48 | 9°23 | 9♉35 | 24♏23 | 10♓22 | 8°53 | 17♏42 | 19° 6 | 21°23 | 8♓48 | W 2 |
| T 3 | 0 48 30 | 10°22'11 | 6♏43 | 27° 0 | 22°10 | 14°27 | 9°36 | 9°31 | 24°D23 | 10°21 | 8°54 | 17°39 | 19° 3 | 21°29 | 8°46 | T 3 |
| F 4 | 0 52 27 | 11°20'44 | 18°57 | 28°33 | 23°24 | 15° 5 | 9°48 | 9°27 | 24°23 | 10°19 | 8°54 | 17°D39 | 19° 0 | 21°36 | 8°44 | F 4 |
| S 5 | 0 56 24 | 12°19'18 | 0♐59 | 0♏ 5 | 24°39 | 15°44 | 10° 0 | 9°23 | 24°23 | 10°18 | 8°55 | 17°39 | 18°57 | 21°43 | 8°41 | S 5 |
| S 6 | 1 0 20 | 13°17'54 | 12°52 | 1°37 | 25°53 | 16°23 | 10°12 | 9°19 | 24°23 | 10°17 | 8°55 | 17°41 | 18°54 | 21°49 | 8°39 | S 6 |
| M 7 | 1 4 17 | 14°16'32 | 24°42 | 3° 7 | 27° 7 | 17° 1 | 10°24 | 9°15 | 24°23 | 10°15 | 8°56 | 17°43 | 18°51 | 21°56 | 8°37 | M 7 |
| T 8 | 1 8 13 | 15°15'12 | 6♑32 | 4°36 | 28°22 | 17°40 | 10°36 | 9°11 | 24°24 | 10°14 | 8°56 | 17°44 | 18°47 | 22° 3 | 8°34 | T 8 |
| W 9 | 1 12 10 | 16°13'53 | 18°27 | 6° 4 | 29°36 | 18°19 | 10°48 | 9° 7 | 24°24 | 10°13 | 8°57 | 17°R44 | 18°44 | 22° 9 | 8°32 | W 9 |
| T 10 | 1 16 6 | 17°12'35 | 0♒33 | 7°31 | 0♏51 | 18°58 | 10°59 | 9° 3 | 24°24 | 10°11 | 8°58 | 17°44 | 18°41 | 22°16 | 8°30 | T 10 |
| F 11 | 1 20 3 | 18°11'19 | 12°54 | 8°56 | 2° 5 | 19°36 | 11°11 | 8°59 | 24°25 | 10°10 | 8°58 | 17°41 | 18°38 | 22°23 | 8°28 | F 11 |
| S 12 | 1 23 59 | 19°10'05 | 25°35 | 10°21 | 3°19 | 20°15 | 11°23 | 8°54 | 24°25 | 10° 9 | 8°59 | 17°38 | 18°35 | 22°29 | 8°26 | S 12 |
| S 13 | 1 27 56 | 20° 8'53 | 8♓37 | 11°45 | 4°34 | 20°54 | 11°34 | 8°50 | 24°26 | 10° 8 | 9° 0 | 17°34 | 18°32 | 22°36 | 8°24 | S 13 |
| M14 | 1 31 53 | 21° 7'42 | 22° 2 | 13° 8 | 5°48 | 21°33 | 11°46 | 8°46 | 24°26 | 10° 7 | 9° 1 | 17°30 | 18°28 | 22°43 | 8°22 | M14 |
| T 15 | 1 35 49 | 22° 6'33 | 5♈50 | 14°29 | 7° 2 | 22°12 | 11°57 | 8°41 | 24°27 | 10° 6 | 9° 1 | 17°26 | 18°25 | 22°49 | 8°20 | T 15 |
| W16 | 1 39 46 | 23° 5'26 | 19°58 | 15°49 | 8°17 | 22°51 | 12° 9 | 8°37 | 24°27 | 10° 5 | 9° 2 | 17°23 | 18°22 | 22°56 | 8°18 | W16 |
| T 17 | 1 43 42 | 24° 4'21 | 4♉22 | 17° 9 | 9°31 | 23°30 | 12°20 | 8°32 | 24°28 | 10° 3 | 9° 3 | 17°21 | 18°19 | 23° 3 | 8°16 | T 17 |
| F 18 | 1 47 39 | 25° 3'18 | 18°56 | 18°26 | 10°46 | 24° 9 | 12°31 | 8°28 | 24°29 | 10° 2 | 9° 4 | 17°D21 | 18°16 | 23° 9 | 8°15 | F 18 |
| S 19 | 1 51 35 | 26° 2'17 | 3♊33 | 19°43 | 12° 0 | 24°48 | 12°43 | 8°23 | 24°30 | 10° 1 | 9° 5 | 17°22 | 18°12 | 23°16 | 8°13 | S 19 |
| S 20 | 1 55 32 | 27° 1'18 | 18° 9 | 20°58 | 13°14 | 25°27 | 12°54 | 8°19 | 24°30 | 10° 0 | 9° 6 | 17°23 | 18° 9 | 23°23 | 8°11 | S 20 |
| M21 | 1 59 28 | 28° 0'22 | 2♋38 | 22°11 | 14°29 | 26° 6 | 13° 5 | 8°14 | 24°31 | 9°59 | 9° 7 | 17°24 | 18° 6 | 23°29 | 8°10 | M21 |
| T 22 | 2 3 25 | 28°59'28 | 16°56 | 23°23 | 15°43 | 26°45 | 13°16 | 8° 9 | 24°32 | 9°58 | 9° 8 | 17°25 | 18° 3 | 23°36 | 8° 8 | T 22 |
| W23 | 2 7 22 | 29°58'36 | 1♌ 1 | 24°33 | 16°58 | 27°24 | 13°27 | 8° 5 | 24°33 | 9°58 | 9° 9 | 17°R25 | 18° 0 | 23°43 | 8° 7 | W23 |
| T 24 | 2 11 18 | 0♏57'46 | 14°51 | 25°41 | 18°12 | 28° 3 | 13°37 | 8° 0 | 24°34 | 9°57 | 9°10 | 17°25 | 17°57 | 23°49 | 8° 5 | T 24 |
| F 25 | 2 15 15 | 1°56'59 | 28°27 | 26°48 | 19°26 | 28°42 | 13°48 | 7°55 | 24°35 | 9°56 | 9°11 | 17°24 | 17°53 | 23°56 | 8° 4 | F 25 |
| S 26 | 2 19 11 | 2°56'14 | 11♍48 | 27°52 | 20°41 | 29°21 | 13°59 | 7°51 | 24°36 | 9°55 | 9°12 | 17°22 | 17°50 | 24° 3 | 8° 2 | S 26 |
| S 27 | 2 23 8 | 3°55'31 | 24°55 | 28°54 | 21°55 | 0♏ 1 | 14° 9 | 7°46 | 24°38 | 9°54 | 9°13 | 17°20 | 17°47 | 24° 9 | 8° 1 | S 27 |
| M28 | 2 27 4 | 4°54'50 | 7♎48 | 29°53 | 23°10 | 0°40 | 14°20 | 7°41 | 24°39 | 9°53 | 9°14 | 17°18 | 17°44 | 24°16 | 8° 0 | M28 |
| T 29 | 2 31 1 | 5°54'11 | 20°27 | 0♐49 | 24°24 | 1°19 | 14°30 | 7°36 | 24°40 | 9°53 | 9°16 | 17°17 | 17°41 | 24°23 | 7°59 | T 29 |
| W30 | 2 34 57 | 6°53'35 | 2♏54 | 1°42 | 25°38 | 1°59 | 14°40 | 7°32 | 24°41 | 9°52 | 9°17 | 17°16 | 17°37 | 24°29 | 7°57 | W30 |
| T 31 | 2 38 54 | 7♏53'00 | 15♏ 9 | 2♐32 | 26♏53 | 2♏38 | 14♍51 | 7♉27 | 24♏43 | 9♓51 | 9♏18 | 17°D16 | 17♏34 | 24♐36 | 7♓56 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 3s19 | 7s21 | 3s 4 | 9s13 | 0s 1 | 6s37 | 1n 7 | 4s28 | 0n45 | 8n46 | 0n44 | 12n 4 | 2s42 | 21s36 | 0s29 | 8s 8 | 0s33 | 16s 9 | 6n53 | 17s 2 | 17s25 | 20s17 | 2s46 | 5n52 |
| W 2 | 3 42 | 11 17 | 2 4 | 9 55 | 0 8 | 7 6 | 1 6 | 4 43 | 0 45 | 8 41 | 0 44 | 12 3 | 2 42 | 21 36 | 0 29 | 8 9 | 0 33 | 16 9 | 6 52 | 17 1 | 17 24 | 20 17 | 2 47 | 5 51 |
| T 3 | 4 5 | 14 37 | 0 59 | 10 36 | 0 16 | 7 35 | 1 4 | 4 59 | 0 45 | 8 37 | 0 44 | 12 1 | 2 42 | 21 36 | 0 29 | 8 9 | 0 33 | 16 9 | 6 52 | 17 0 | 17 23 | 20 17 | 2 48 | 5 51 |
| F 4 | 4 28 | 17 15 | 0n 7 | 11 16 | 0 23 | 8 4 | 1 3 | 5 14 | 0 44 | 8 33 | 0 45 | 12 0 | 2 42 | 21 36 | 0 29 | 8 10 | 0 33 | 16 10 | 6 52 | 17 0 | 17 23 | 20 16 | 2 49 | 5 51 |
| S 5 | 4 51 | 19 4 | 1 12 | 11 55 | 0 31 | 8 33 | 1 1 | 5 29 | 0 44 | 8 28 | 0 45 | 11 59 | 2 42 | 21 36 | 0 29 | 8 10 | 0 33 | 16 10 | 6 51 | 17 0 | 17 22 | 20 16 | 2 51 | 5 50 |
| S 6 | 5 13 | 20 1 | 2 14 | 12 34 | 0 38 | 9 1 | 0 59 | 5 44 | 0 43 | 8 24 | 0 45 | 11 57 | 2 42 | 21 36 | 0 29 | 8 11 | 0 33 | 16 10 | 6 51 | 17 1 | 17 21 | 20 16 | 2 52 | 5 50 |
| M 7 | 5 36 | 20 3 | 3 9 | 13 12 | 0 46 | 9 30 | 0 58 | 5 59 | 0 43 | 8 19 | 0 45 | 11 56 | 2 42 | 21 36 | 0 29 | 8 11 | 0 33 | 16 11 | 6 51 | 17 1 | 17 20 | 20 15 | 2 53 | 5 50 |
| T 8 | 5 59 | 19 13 | 3 56 | 13 49 | 0 53 | 9 58 | 0 56 | 6 14 | 0 43 | 8 15 | 0 45 | 11 54 | 2 43 | 21 36 | 0 29 | 8 12 | 0 33 | 16 11 | 6 50 | 17 2 | 17 19 | 20 15 | 2 54 | 5 50 |
| W 9 | 6 21 | 17 31 | 4 34 | 14 26 | 1 1 | 10 26 | 0 54 | 6 30 | 0 42 | 8 11 | 0 45 | 11 53 | 2 43 | 21 36 | 0 29 | 8 12 | 0 33 | 16 11 | 6 50 | 17 2 | 17 18 | 20 15 | 2 55 | 5 49 |
| T 10 | 6 43 | 15 2 | 5 0 | 15 1 | 1 8 | 10 53 | 0 52 | 6 45 | 0 42 | 8 6 | 0 45 | 11 52 | 2 43 | 21 36 | 0 29 | 8 13 | 0 33 | 16 11 | 6 50 | 17 1 | 17 17 | 20 14 | 2 56 | 5 49 |
| F 11 | 7 6 | 11 51 | 5 13 | 15 36 | 1 16 | 11 21 | 0 50 | 7 0 | 0 41 | 8 2 | 0 45 | 11 50 | 2 43 | 21 36 | 0 29 | 8 13 | 0 33 | 16 12 | 6 50 | 17 1 | 17 16 | 20 14 | 2 57 | 5 49 |
| S 12 | 7 28 | 8 2 | 5 11 | 16 10 | 1 23 | 11 48 | 0 48 | 7 15 | 0 41 | 7 58 | 0 46 | 11 49 | 2 43 | 21 36 | 0 29 | 8 14 | 0 33 | 16 12 | 6 49 | 17 0 | 17 16 | 20 14 | 2 58 | 5 48 |
| S 13 | 7 50 | 3 46 | 4 53 | 16 43 | 1 31 | 12 15 | 0 46 | 7 29 | 0 40 | 7 53 | 0 46 | 11 47 | 2 43 | 21 36 | 0 29 | 8 14 | 0 33 | 16 12 | 6 49 | 16 59 | 17 15 | 20 13 | 2 59 | 5 48 |
| M14 | 8 12 | 0n50 | 4 19 | 17 15 | 1 38 | 12 41 | 0 44 | 7 44 | 0 40 | 7 49 | 0 46 | 11 46 | 2 43 | 21 36 | 0 29 | 8 15 | 0 33 | 16 13 | 6 49 | 16 58 | 17 14 | 20 13 | 3 0 | 5 48 |
| T 15 | 8 34 | 5 30 | 3 29 | 17 46 | 1 45 | 13 8 | 0 42 | 7 59 | 0 40 | 7 45 | 0 46 | 11 44 | 2 43 | 21 35 | 0 29 | 8 15 | 0 33 | 16 13 | 6 48 | 16 57 | 17 13 | 20 12 | 3 1 | 5 47 |
| W16 | 8 56 | 10 1 | 2 25 | 18 16 | 1 52 | 13 34 | 0 40 | 8 14 | 0 39 | 7 41 | 0 46 | 11 43 | 2 43 | 21 35 | 0 29 | 8 15 | 0 33 | 16 13 | 6 48 | 16 56 | 17 12 | 20 12 | 3 2 | 5 47 |
| T 17 | 9 17 | 14 1 | 1 11 | 18 46 | 1 59 | 13 59 | 0 38 | 8 29 | 0 39 | 7 37 | 0 46 | 11 41 | 2 43 | 21 35 | 0 29 | 8 16 | 0 33 | 16 13 | 6 48 | 16 55 | 17 11 | 20 12 | 3 3 | 5 47 |
| F 18 | 9 39 | 17 13 | 0s 9 | 19 14 | 2 5 | 14 25 | 0 35 | 8 43 | 0 38 | 7 32 | 0 47 | 11 40 | 2 43 | 21 35 | 0 29 | 8 16 | 0 33 | 16 14 | 6 47 | 16 55 | 17 10 | 20 11 | 3 4 | 5 46 |
| S 19 | 10 0 | 19 18 | 1 28 | 19 41 | 2 12 | 14 50 | 0 33 | 8 58 | 0 38 | 7 28 | 0 47 | 11 38 | 2 44 | 21 35 | 0 29 | 8 17 | 0 33 | 16 14 | 6 47 | 16 55 | 17 9 | 20 11 | 3 5 | 5 46 |
| S 20 | 10 21 | 20 6 | 2 42 | 20 7 | 2 18 | 15 14 | 0 31 | 9 13 | 0 37 | 7 24 | 0 47 | 11 37 | 2 44 | 21 35 | 0 29 | 8 17 | 0 33 | 16 14 | 6 47 | 16 56 | 17 9 | 20 10 | 3 6 | 5 46 |
| M21 | 10 42 | 19 32 | 3 45 | 20 32 | 2 24 | 15 39 | 0 28 | 9 27 | 0 37 | 7 20 | 0 47 | 11 35 | 2 44 | 21 35 | 0 29 | 8 17 | 0 33 | 16 14 | 6 46 | 16 56 | 17 8 | 20 10 | 3 7 | 5 45 |
| T 22 | 11 3 | 17 44 | 4 33 | 20 56 | 2 30 | 16 2 | 0 26 | 9 41 | 0 36 | 7 16 | 0 47 | 11 34 | 2 44 | 21 34 | 0 29 | 8 18 | 0 33 | 16 15 | 6 46 | 16 56 | 17 7 | 20 10 | 3 8 | 5 45 |
| W23 | 11 24 | 14 53 | 5 3 | 21 19 | 2 36 | 16 26 | 0 24 | 9 56 | 0 36 | 7 12 | 0 47 | 11 32 | 2 44 | 21 34 | 0 29 | 8 18 | 0 33 | 16 15 | 6 46 | 16 56 | 17 6 | 20 9 | 3 9 | 5 45 |
| T 24 | 11 45 | 11 15 | 5 16 | 21 41 | 2 41 | 16 49 | 0 21 | 10 10 | 0 35 | 7 8 | 0 47 | 11 31 | 2 44 | 21 34 | 0 29 | 8 18 | 0 33 | 16 15 | 6 45 | 16 56 | 17 5 | 20 9 | 3 10 | 5 44 |
| F 25 | 12 5 | 7 5 | 5 10 | 22 2 | 2 46 | 17 12 | 0 19 | 10 25 | 0 35 | 7 4 | 0 48 | 11 29 | 2 44 | 21 34 | 0 29 | 8 19 | 0 33 | 16 15 | 6 45 | 16 56 | 17 4 | 20 8 | 3 10 | 5 44 |
| S 26 | 12 25 | 2 39 | 4 48 | 22 21 | 2 51 | 17 34 | 0 16 | 10 39 | 0 35 | 7 0 | 0 48 | 11 28 | 2 44 | 21 34 | 0 29 | 8 19 | 0 33 | 16 15 | 6 45 | 16 55 | 17 3 | 20 8 | 3 11 | 5 44 |
| S 27 | 12 45 | 1s50 | 4 11 | 22 39 | 2 55 | 17 55 | 0 14 | 10 53 | 0 34 | 6 56 | 0 48 | 11 26 | 2 44 | 21 33 | 0 29 | 8 19 | 0 33 | 16 16 | 6 45 | 16 55 | 17 2 | 20 8 | 3 12 | 5 43 |
| M28 | 13 5 | 6 10 | 3 22 | 22 56 | 2 59 | 18 17 | 0 11 | 11 7 | 0 34 | 6 52 | 0 48 | 11 25 | 2 44 | 21 33 | 0 29 | 8 19 | 0 33 | 16 16 | 6 44 | 16 54 | 17 2 | 20 7 | 3 13 | 5 43 |
| T 29 | 13 25 | 10 10 | 2 23 | 23 11 | 3 2 | 18 38 | 0 9 | 11 21 | 0 33 | 6 49 | 0 48 | 11 23 | 2 44 | 21 33 | 0 29 | 8 20 | 0 33 | 16 16 | 6 44 | 16 54 | 17 1 | 20 7 | 3 14 | 5 42 |
| W30 | 13 44 | 13 39 | 1 19 | 23 25 | 3 5 | 18 58 | 0 6 | 11 35 | 0 33 | 6 45 | 0 48 | 11 22 | 2 44 | 21 33 | 0 29 | 8 20 | 0 33 | 16 16 | 6 44 | 16 54 | 17 0 | 20 6 | 3 14 | 5 42 |
| T 31 | 14s 4 | 16s29 | 0s12 | 23s37 | 3s 7 | 19s18 | 0n 4 | 11s49 | 0n32 | 6n41 | 0n49 | 11n20 | 2s44 | 21s32 | 0s29 | 8s20 | 0s33 | 16s17 | 6n43 | 16s54 | 16s59 | 20s 6 | 3s15 | 5n42 |

Julian Day Number = 2816695.5, Delta T = 54m50s
Ecliptic obliquity = 23°18'30, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°44'09, Lahiri = 37°51'09


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# ASTRODIENST EPHEMERIS for the year 2999
# geocentric

## NOVEMBER 2999 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 2 42 51 | 8♏52'28 | 27♏14 | 3♐19 | 28♏ 7 | 3♏17 | 15♍ 1 | 7°R22 | 24♑44 | 9°R51 | 9♑19 | 17♏16 | 17♏31 | 24♐43 | 7°R55 | F 1 |
| S 2 | 2 46 47 | 9°51'57 | 9♐11 | 4° 1 | 29°22 | 3°57 | 15°11 | 7♉17 | 24°46 | 9♓50 | 9°21 | 17°16 | 17°28 | 24°49 | 7♓54 | S 2 |
| S 3 | 2 50 44 | 10°51'28 | 21° 2 | 4°38 | 0♐36 | 4°36 | 15°21 | 7°13 | 24°47 | 9°49 | 9°22 | 17°17 | 17°25 | 24°56 | 7°54 | S 3 |
| M 4 | 2 54 40 | 11°51'01 | 2♑51 | 5°11 | 1°50 | 5°16 | 15°30 | 7° 8 | 24°49 | 9°49 | 9°23 | 17°18 | 17°22 | 25° 3 | 7°53 | M 4 |
| T 5 | 2 58 37 | 12°50'36 | 14°40 | 5°38 | 3° 5 | 5°55 | 15°40 | 7° 3 | 24°51 | 9°48 | 9°25 | 17°18 | 17°18 | 25° 9 | 7°52 | T 5 |
| W 6 | 3 2 33 | 13°50'13 | 26°35 | 5°59 | 4°19 | 6°35 | 15°50 | 6°58 | 24°52 | 9°48 | 9°26 | 17°18 | 17°15 | 25°16 | 7°51 | W 6 |
| T 7 | 3 6 30 | 14°49'51 | 8♒38 | 6°14 | 5°34 | 7°14 | 15°59 | 6°54 | 24°54 | 9°47 | 9°28 | 17°19 | 17°12 | 25°23 | 7°51 | T 7 |
| F 8 | 3 10 26 | 15°49'31 | 20°56 | 6°R22 | 6°48 | 7°54 | 16° 9 | 6°49 | 24°56 | 9°47 | 9°29 | 17°R19 | 17° 9 | 25°29 | 7°50 | F 8 |
| S 9 | 3 14 23 | 16°49'12 | 3♓33 | 6°22 | 8° 2 | 8°33 | 16°18 | 6°44 | 24°57 | 9°46 | 9°31 | 17°D19 | 17° 6 | 25°36 | 7°49 | S 9 |
| S 10 | 3 18 20 | 17°48'55 | 16°31 | 6°13 | 9°17 | 9°13 | 16°27 | 6°40 | 24°59 | 9°46 | 9°32 | 17°19 | 17° 3 | 25°43 | 7°49 | S 10 |
| M11 | 3 22 16 | 18°48'40 | 29°55 | 5°56 | 10°31 | 9°53 | 16°36 | 6°35 | 25° 1 | 9°46 | 9°34 | 17°19 | 16°59 | 25°49 | 7°49 | M11 |
| T 12 | 3 26 13 | 19°48'26 | 13♈45 | 5°30 | 11°45 | 10°32 | 16°45 | 6°31 | 25° 3 | 9°45 | 9°35 | 17°19 | 16°56 | 25°56 | 7°48 | T 12 |
| W13 | 3 30 9 | 20°48'15 | 28° 1 | 4°55 | 13° 0 | 11°12 | 16°54 | 6°26 | 25° 5 | 9°45 | 9°37 | 17°19 | 16°53 | 26° 3 | 7°48 | W13 |
| T 14 | 3 34 6 | 21°48'05 | 12♉39 | 4°10 | 14°14 | 11°52 | 17° 3 | 6°22 | 25° 7 | 9°45 | 9°38 | 17°R19 | 16°50 | 26° 9 | 7°48 | T 14 |
| F 15 | 3 38 2 | 22°47'56 | 27°32 | 3°17 | 15°28 | 12°31 | 17°11 | 6°17 | 25° 9 | 9°45 | 9°40 | 17°19 | 16°47 | 26°16 | 7°48 | F 15 |
| S 16 | 3 41 59 | 23°47'50 | 12♊34 | 2°16 | 16°43 | 13°11 | 17°20 | 6°13 | 25°11 | 9°44 | 9°42 | 17°19 | 16°43 | 26°23 | 7°47 | S 16 |
| S 17 | 3 45 55 | 24°47'46 | 27°36 | 1° 7 | 17°57 | 13°51 | 17°28 | 6° 8 | 25°14 | 9°44 | 9°43 | 17°18 | 16°40 | 26°29 | 7°D47 | S 17 |
| M18 | 3 49 52 | 25°47'44 | 12♋28 | 29♏53 | 19°11 | 14°31 | 17°36 | 6° 4 | 25°16 | 9°44 | 9°45 | 17°17 | 16°37 | 26°36 | 7°47 | M18 |
| T 19 | 3 53 49 | 26°47'44 | 27° 5 | 28°36 | 20°26 | 15°11 | 17°44 | 6° 0 | 25°18 | 9°44 | 9°47 | 17°16 | 16°34 | 26°43 | 7°48 | T 19 |
| W20 | 3 57 45 | 27°47'46 | 11♌22 | 27°17 | 21°40 | 15°51 | 17°52 | 5°55 | 25°20 | 9°44 | 9°49 | 17°16 | 16°31 | 26°50 | 7°48 | W20 |
| T 21 | 4 1 42 | 28°47'50 | 25°16 | 26° 0 | 22°54 | 16°31 | 18° 0 | 5°51 | 25°23 | 9°D44 | 9°50 | 17°D15 | 16°28 | 26°56 | 7°48 | T 21 |
| F 22 | 4 5 38 | 29°47'56 | 8♍47 | 24°47 | 24° 9 | 17°11 | 18° 8 | 5°47 | 25°25 | 9°44 | 9°52 | 17°15 | 16°24 | 27° 3 | 7°48 | F 22 |
| S 23 | 4 9 35 | 0♐48'04 | 21°57 | 23°39 | 25°23 | 17°51 | 18°15 | 5°43 | 25°27 | 9°44 | 9°54 | 17°16 | 16°21 | 27°10 | 7°49 | S 23 |
| S 24 | 4 13 31 | 1°48'14 | 4♎48 | 22°40 | 26°37 | 18°31 | 18°23 | 5°39 | 25°30 | 9°44 | 9°56 | 17°17 | 16°18 | 27°16 | 7°49 | S 24 |
| M25 | 4 17 28 | 2°48'26 | 17°22 | 21°51 | 27°52 | 19°11 | 18°30 | 5°35 | 25°32 | 9°44 | 9°58 | 17°18 | 16°15 | 27°23 | 7°49 | M25 |
| T 26 | 4 21 24 | 3°48'40 | 29°44 | 21°12 | 29° 6 | 19°51 | 18°37 | 5°31 | 25°35 | 9°45 | 10° 0 | 17°20 | 16°12 | 27°30 | 7°50 | T 26 |
| W27 | 4 25 21 | 4°48'56 | 11♏55 | 20°45 | 0♑20 | 20°31 | 18°44 | 5°27 | 25°37 | 9°45 | 10° 1 | 17°R20 | 16° 9 | 27°36 | 7°51 | W27 |
| T 28 | 4 29 18 | 5°49'14 | 23°57 | 20°29 | 1°34 | 21°12 | 18°51 | 5°24 | 25°40 | 9°45 | 10° 3 | 17°20 | 16° 5 | 27°43 | 7°51 | T 28 |
| F 29 | 4 33 14 | 6°49'33 | 5♐53 | 20°D26 | 2°49 | 21°52 | 18°58 | 5°20 | 25°43 | 9°45 | 10° 5 | 17°19 | 16° 2 | 27°50 | 7°52 | F 29 |
| S 30 | 4 37 11 | 7♐49'54 | 17♐45 | 20♏33 | 4♑ 3 | 22♏32 | 19♍ 4 | 5♉16 | 25♑45 | 9♓46 | 10♑ 7 | 17♏17 | 15♏59 | 27♐56 | 7♓53 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14s23 | 18s32 | 0n55 | 23s48 | 3s 9 | 19s37 | 0n 1 | 12s 3 | 0n32 | 6n37 | 0n49 | 11n19 | 2s44 | 21s32 | 0s29 | 8s21 | 0s33 | 16s17 | 6n43 | 16s54 | 16s58 | 20s 5 | 3s16 | 5n41 |
| S 2 | 14 42 | 19 45 | 1 59 | 23 57 | 3 10 | 19 56 | 0s 2 | 12 16 | 0 31 | 6 34 | 0 49 | 11 17 | 2 44 | 21 32 | 0 29 | 8 21 | 0 33 | 16 17 | 6 43 | 16 54 | 16 57 | 20 5 | 3 17 | 5 41 |
| S 3 | 15 0 | 20 4 | 2 57 | 24 4 | 3 10 | 20 14 | 0 4 | 12 30 | 0 31 | 6 30 | 0 49 | 11 16 | 2 44 | 21 31 | 0 29 | 8 21 | 0 33 | 16 17 | 6 43 | 16 54 | 16 56 | 20 4 | 3 17 | 5 40 |
| M 4 | 15 18 | 19 30 | 3 47 | 24 9 | 3 10 | 20 32 | 0 7 | 12 44 | 0 30 | 6 26 | 0 49 | 11 14 | 2 44 | 21 31 | 0 29 | 8 21 | 0 33 | 16 17 | 6 42 | 16 54 | 16 55 | 20 4 | 3 18 | 5 40 |
| T 5 | 15 36 | 18 4 | 4 28 | 24 13 | 3 8 | 20 49 | 0 9 | 12 57 | 0 30 | 6 23 | 0 49 | 11 13 | 2 44 | 21 31 | 0 29 | 8 21 | 0 33 | 16 18 | 6 42 | 16 54 | 16 54 | 20 4 | 3 19 | 5 40 |
| W 6 | 15 54 | 15 51 | 4 57 | 24 14 | 3 6 | 21 5 | 0 12 | 13 11 | 0 29 | 6 19 | 0 50 | 11 11 | 2 44 | 21 31 | 0 29 | 8 22 | 0 33 | 16 18 | 6 42 | 16 54 | 16 54 | 20 3 | 3 19 | 5 39 |
| T 7 | 16 12 | 12 56 | 5 14 | 24 13 | 3 2 | 21 21 | 0 15 | 13 24 | 0 29 | 6 16 | 0 50 | 11 10 | 2 43 | 21 30 | 0 29 | 8 22 | 0 33 | 16 18 | 6 41 | 16 54 | 16 53 | 20 3 | 3 20 | 5 39 |
| F 8 | 16 29 | 9 25 | 5 17 | 24 10 | 2 57 | 21 37 | 0 17 | 13 37 | 0 28 | 6 12 | 0 50 | 11 8 | 2 43 | 21 30 | 0 29 | 8 22 | 0 33 | 16 18 | 6 41 | 16 54 | 16 52 | 20 2 | 3 20 | 5 38 |
| S 9 | 16 46 | 5 24 | 5 5 | 24 3 | 2 51 | 21 51 | 0 20 | 13 50 | 0 28 | 6 9 | 0 50 | 11 7 | 2 43 | 21 30 | 0 29 | 8 22 | 0 33 | 16 18 | 6 41 | 16 54 | 16 51 | 20 2 | 3 21 | 5 38 |
| S 10 | 17 3 | 1 1 | 4 38 | 23 55 | 2 43 | 22 5 | 0 23 | 14 3 | 0 27 | 6 6 | 0 50 | 11 6 | 2 43 | 21 29 | 0 29 | 8 22 | 0 33 | 16 18 | 6 41 | 16 54 | 16 50 | 20 1 | 3 22 | 5 38 |
| M11 | 17 19 | 3n33 | 3 54 | 23 43 | 2 34 | 22 19 | 0 25 | 14 16 | 0 27 | 6 2 | 0 51 | 11 4 | 2 43 | 21 29 | 0 29 | 8 22 | 0 33 | 16 19 | 6 40 | 16 55 | 16 49 | 20 1 | 3 22 | 5 37 |
| T 12 | 17 36 | 8 6 | 2 56 | 23 27 | 2 23 | 22 32 | 0 28 | 14 29 | 0 26 | 5 59 | 0 51 | 11 3 | 2 43 | 21 28 | 0 29 | 8 22 | 0 33 | 16 19 | 6 40 | 16 55 | 16 48 | 20 0 | 3 23 | 5 37 |
| W13 | 17 51 | 12 21 | 1 45 | 23 9 | 2 11 | 22 44 | 0 30 | 14 42 | 0 26 | 5 56 | 0 51 | 11 1 | 2 43 | 21 28 | 0 29 | 8 22 | 0 33 | 16 19 | 6 40 | 16 55 | 16 47 | 20 0 | 3 23 | 5 36 |
| T 14 | 18 7 | 15 58 | 0 26 | 22 47 | 1 57 | 22 56 | 0 33 | 14 54 | 0 25 | 5 53 | 0 51 | 11 0 | 2 43 | 21 28 | 0 29 | 8 23 | 0 33 | 16 19 | 6 40 | 16 55 | 16 46 | 19 59 | 3 24 | 5 36 |
| F 15 | 18 22 | 18 35 | 0s56 | 22 21 | 1 41 | 23 7 | 0 36 | 15 7 | 0 25 | 5 49 | 0 51 | 10 59 | 2 43 | 21 27 | 0 29 | 8 23 | 0 33 | 16 19 | 6 39 | 16 55 | 16 45 | 19 59 | 3 24 | 5 36 |
| S 16 | 18 37 | 19 56 | 2 16 | 21 52 | 1 24 | 23 17 | 0 38 | 15 19 | 0 24 | 5 46 | 0 52 | 10 57 | 2 43 | 21 27 | 0 29 | 8 23 | 0 33 | 16 19 | 6 39 | 16 55 | 16 45 | 19 58 | 3 24 | 5 35 |
| S 17 | 18 52 | 19 52 | 3 26 | 21 20 | 1 5 | 23 26 | 0 41 | 15 32 | 0 24 | 5 43 | 0 52 | 10 56 | 2 43 | 21 27 | 0 29 | 8 23 | 0 33 | 16 19 | 6 39 | 16 54 | 16 44 | 19 58 | 3 25 | 5 35 |
| M18 | 19 6 | 18 24 | 4 21 | 20 45 | 0 46 | 23 35 | 0 43 | 15 44 | 0 23 | 5 40 | 0 52 | 10 55 | 2 42 | 21 26 | 0 29 | 8 23 | 0 33 | 16 20 | 6 39 | 16 54 | 16 43 | 19 57 | 3 25 | 5 34 |
| T 19 | 19 20 | 15 45 | 4 58 | 20 9 | 0 25 | 23 44 | 0 46 | 15 56 | 0 23 | 5 37 | 0 52 | 10 53 | 2 42 | 21 26 | 0 29 | 8 23 | 0 33 | 16 20 | 6 38 | 16 54 | 16 42 | 19 57 | 3 26 | 5 34 |
| W20 | 19 34 | 12 13 | 5 16 | 19 31 | 0 5 | 23 51 | 0 48 | 16 8 | 0 22 | 5 34 | 0 52 | 10 52 | 2 42 | 21 25 | 0 29 | 8 23 | 0 33 | 16 20 | 6 38 | 16 54 | 16 41 | 19 56 | 3 26 | 5 34 |
| T 21 | 19 47 | 8 5 | 5 14 | 18 54 | 0n16 | 23 58 | 0 51 | 16 20 | 0 22 | 5 32 | 0 53 | 10 51 | 2 42 | 21 25 | 0 29 | 8 23 | 0 33 | 16 20 | 6 38 | 16 53 | 16 40 | 19 56 | 3 26 | 5 33 |
| F 22 | 20 0 | 3 40 | 4 55 | 18 17 | 0 36 | 24 4 | 0 53 | 16 32 | 0 21 | 5 29 | 0 53 | 10 50 | 2 42 | 21 24 | 0 29 | 8 23 | 0 33 | 16 20 | 6 38 | 16 54 | 16 39 | 19 55 | 3 26 | 5 33 |
| S 23 | 20 12 | 0s49 | 4 21 | 17 42 | 0 55 | 24 9 | 0 56 | 16 44 | 0 21 | 5 26 | 0 53 | 10 48 | 2 42 | 21 24 | 0 28 | 8 23 | 0 33 | 16 20 | 6 37 | 16 54 | 16 38 | 19 55 | 3 27 | 5 32 |
| S 24 | 20 25 | 5 11 | 3 35 | 17 11 | 1 12 | 24 14 | 0 58 | 16 55 | 0 20 | 5 23 | 0 53 | 10 47 | 2 42 | 21 23 | 0 28 | 8 23 | 0 33 | 16 20 | 6 37 | 16 54 | 16 37 | 19 54 | 3 27 | 5 32 |
| M25 | 20 36 | 9 14 | 2 38 | 16 43 | 1 28 | 24 18 | 1 1 | 17 7 | 0 20 | 5 21 | 0 53 | 10 46 | 2 42 | 21 23 | 0 28 | 8 23 | 0 33 | 16 20 | 6 37 | 16 54 | 16 36 | 19 54 | 3 27 | 5 32 |
| T 26 | 20 48 | 12 49 | 1 36 | 16 20 | 1 41 | 24 21 | 1 3 | 17 18 | 0 19 | 5 18 | 0 54 | 10 45 | 2 41 | 21 23 | 0 28 | 8 23 | 0 33 | 16 20 | 6 37 | 16 55 | 16 36 | 19 53 | 3 27 | 5 31 |
| W27 | 20 59 | 15 48 | 0 30 | 16 1 | 1 53 | 24 24 | 1 5 | 17 29 | 0 19 | 5 16 | 0 54 | 10 44 | 2 41 | 21 22 | 0 28 | 8 23 | 0 32 | 16 20 | 6 37 | 16 55 | 16 35 | 19 52 | 3 27 | 5 31 |
| T 28 | 21 10 | 18 4 | 0n36 | 15 48 | 2 3 | 24 25 | 1 7 | 17 40 | 0 18 | 5 13 | 0 54 | 10 43 | 2 41 | 21 22 | 0 28 | 8 22 | 0 32 | 16 21 | 6 36 | 16 55 | 16 34 | 19 52 | 3 28 | 5 30 |
| F 29 | 21 20 | 19 31 | 1 41 | 15 39 | 2 11 | 24 26 | 1 10 | 17 51 | 0 18 | 5 11 | 0 54 | 10 42 | 2 41 | 21 21 | 0 28 | 8 22 | 0 32 | 16 21 | 6 36 | 16 55 | 16 33 | 19 51 | 3 28 | 5 30 |
| S 30 | 21s30 | 20s 5 | 2n40 | 15s35 | 2n17 | 24s27 | 1s12 | 18s 2 | 0n17 | 5n 8 | 0n55 | 10n41 | 2s41 | 21s21 | 0s28 | 8s22 | 0s32 | 16s21 | 6n36 | 16s54 | 16s32 | 19s51 | 3s28 | 5n30 |

Julian Day Number = 2816726.5, Delta T = 54m51s
Ecliptic obliquity = 23°18'29, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°44'13, Lahiri = 37°51'13


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# ASTRODIENST EPHEMERIS for the year 2999
# geocentric

## DECEMBER 2999 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 41 7 | 8♐50'17 | 29♐35 | 20♏50 | 5♑17 | 23♏12 | 19♍11 | 5°R13 | 25♑48 | 9♓46 | 10♑ 9 | 17°R14 | 15♏56 | 28♐ 3 | 7♓54 | S 1 |
| M 2 | 4 45 4 | 9°50'41 | 11♑24 | 21°17 | 6°32 | 23°53 | 19°17 | 5♉ 9 | 25°51 | 9°46 | 10°11 | 17♏10 | 15°53 | 28°10 | 7°54 | M 2 |
| T 3 | 4 49 0 | 10°51'07 | 23°15 | 21°53 | 7°46 | 24°33 | 19°23 | 5° 6 | 25°53 | 9°47 | 10°13 | 17° 6 | 15°49 | 28°16 | 7°55 | T 3 |
| W 4 | 4 52 57 | 11°51'34 | 5♒11 | 22°37 | 9° 0 | 25°14 | 19°29 | 5° 3 | 25°56 | 9°47 | 10°15 | 17° 2 | 15°46 | 28°23 | 7°56 | W 4 |
| T 5 | 4 56 53 | 12°52'02 | 17°15 | 23°27 | 10°14 | 25°54 | 19°35 | 4°59 | 25°59 | 9°48 | 10°17 | 16°59 | 15°43 | 28°30 | 7°58 | T 5 |
| F 6 | 5 0 50 | 13°52'32 | 29°30 | 24°24 | 11°29 | 26°34 | 19°41 | 4°56 | 26° 2 | 9°48 | 10°19 | 16°57 | 15°40 | 28°36 | 7°59 | F 6 |
| S 7 | 5 4 47 | 14°53'03 | 12♓ 1 | 25°26 | 12°43 | 27°15 | 19°46 | 4°53 | 26° 5 | 9°49 | 10°21 | 16°D56 | 15°37 | 28°43 | 8° 0 | S 7 |
| S 8 | 5 8 43 | 15°53'34 | 24°52 | 26°32 | 13°57 | 27°56 | 19°51 | 4°50 | 26° 8 | 9°49 | 10°23 | 16°56 | 15°34 | 28°50 | 8° 1 | S 8 |
| M 9 | 5 12 40 | 16°54'07 | 8♈ 6 | 27°43 | 15°11 | 28°36 | 19°57 | 4°47 | 26°11 | 9°50 | 10°25 | 16°57 | 15°30 | 28°56 | 8° 2 | M 9 |
| T 10 | 5 16 36 | 17°54'42 | 21°47 | 28°57 | 16°25 | 29°17 | 20° 2 | 4°44 | 26°14 | 9°50 | 10°27 | 16°59 | 15°27 | 29° 3 | 8° 4 | T 10 |
| W11 | 5 20 33 | 18°55'17 | 5♉56 | 0♐14 | 17°39 | 29°57 | 20° 7 | 4°42 | 26°17 | 9°51 | 10°29 | 17° 0 | 15°24 | 29°10 | 8° 5 | W11 |
| T 12 | 5 24 29 | 19°55'54 | 20°31 | 1°33 | 18°54 | 0♐38 | 20°11 | 4°39 | 26°20 | 9°52 | 10°32 | 17°R 0 | 15°21 | 29°16 | 8° 7 | T 12 |
| F 13 | 5 28 26 | 20°56'31 | 5♊29 | 2°54 | 20° 8 | 1°19 | 20°16 | 4°36 | 26°23 | 9°52 | 10°34 | 16°59 | 15°18 | 29°23 | 8° 8 | F 13 |
| S 14 | 5 32 22 | 21°57'10 | 20°41 | 4°18 | 21°22 | 1°59 | 20°20 | 4°34 | 26°26 | 9°53 | 10°36 | 16°56 | 15°15 | 29°30 | 8°10 | S 14 |
| S 15 | 5 36 19 | 22°57'51 | 5♋59 | 5°42 | 22°36 | 2°40 | 20°24 | 4°32 | 26°29 | 9°54 | 10°38 | 16°52 | 15°11 | 29°37 | 8°12 | S 15 |
| M16 | 5 40 16 | 23°58'32 | 21°12 | 7° 9 | 23°50 | 3°21 | 20°28 | 4°29 | 26°32 | 9°55 | 10°40 | 16°46 | 15° 8 | 29°43 | 8°13 | M16 |
| T 17 | 5 44 12 | 24°59'15 | 6♌ 9 | 8°36 | 25° 4 | 4° 2 | 20°32 | 4°27 | 26°35 | 9°56 | 10°42 | 16°40 | 15° 5 | 29°50 | 8°15 | T 17 |
| W18 | 5 48 9 | 26° 0'00 | 20°42 | 10° 4 | 26°18 | 4°43 | 20°36 | 4°25 | 26°39 | 9°57 | 10°44 | 16°35 | 15° 2 | 29°57 | 8°17 | W18 |
| T 19 | 5 52 5 | 27° 0'45 | 4♍48 | 11°33 | 27°32 | 5°24 | 20°39 | 4°23 | 26°42 | 9°58 | 10°47 | 16°31 | 14°59 | 0♑ 3 | 8°19 | T 19 |
| F 20 | 5 56 2 | 28° 1'32 | 18°26 | 13° 2 | 28°46 | 6° 4 | 20°42 | 4°21 | 26°45 | 9°59 | 10°49 | 16°29 | 14°55 | 0°10 | 8°21 | F 20 |
| S 21 | 5 59 58 | 29° 2'21 | 1♎36 | 14°32 | 0♒ 0 | 6°45 | 20°46 | 4°20 | 26°48 | 10° 0 | 10°51 | 16°D29 | 14°52 | 0°17 | 8°23 | S 21 |
| S 22 | 6 3 55 | 0♑ 3'11 | 14°22 | 16° 3 | 1°14 | 7°26 | 20°48 | 4°18 | 26°52 | 10° 1 | 10°53 | 16°30 | 14°49 | 0°23 | 8°25 | S 22 |
| M23 | 6 7 51 | 1° 4'02 | 26°49 | 17°34 | 2°28 | 8° 7 | 20°51 | 4°16 | 26°55 | 10° 2 | 10°55 | 16°31 | 14°46 | 0°30 | 8°27 | M23 |
| T 24 | 6 11 48 | 2° 4'54 | 9♏ 0 | 19° 5 | 3°42 | 8°49 | 20°54 | 4°15 | 26°58 | 10° 3 | 10°58 | 16°32 | 14°43 | 0°37 | 8°29 | T 24 |
| W25 | 6 15 45 | 3° 5'48 | 21° 0 | 20°36 | 4°56 | 9°30 | 20°56 | 4°14 | 27° 2 | 10° 4 | 11° 0 | 16°R33 | 14°40 | 0°43 | 8°32 | W25 |
| T 26 | 6 19 41 | 4° 6'43 | 2♐54 | 22° 8 | 6°10 | 10°11 | 20°58 | 4°12 | 27° 5 | 10° 5 | 11° 2 | 16°31 | 14°36 | 0°50 | 8°34 | T 26 |
| F 27 | 6 23 38 | 5° 7'39 | 14°44 | 23°40 | 7°24 | 10°52 | 21° 0 | 4°11 | 27° 8 | 10° 6 | 11° 4 | 16°27 | 14°33 | 0°57 | 8°36 | F 27 |
| S 28 | 6 27 34 | 6° 8'36 | 26°33 | 25°12 | 8°37 | 11°33 | 21° 2 | 4°10 | 27°12 | 10° 7 | 11° 6 | 16°20 | 14°30 | 1° 3 | 8°39 | S 28 |
| S 29 | 6 31 31 | 7° 9'34 | 8♑23 | 26°44 | 9°51 | 12°15 | 21° 4 | 4° 9 | 27°15 | 10° 9 | 11° 9 | 16°12 | 14°27 | 1°10 | 8°41 | S 29 |
| M30 | 6 35 27 | 8°10'32 | 20°16 | 28°17 | 11° 5 | 12°56 | 21° 5 | 4° 8 | 27°19 | 10°10 | 11°11 | 16° 2 | 14°24 | 1°17 | 8°43 | M30 |
| T 31 | 6 39 24 | 9♑11'32 | 2♒12 | 29♐50 | 12♒19 | 13♐37 | 21♍ 6 | 4♉ 8 | 27♑22 | 10♓11 | 11♑13 | 15♏51 | 14♏21 | 1♑24 | 8♓46 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s39 | 19s46 | 3n32 | 15s35 | 2n21 | 24s26 | 1s14 | 18s12 | 0n17 | 5n 6 | 0n55 | 10n40 | 2s40 | 21s20 | 0s28 | 8s22 | 0s32 | 16s21 | 6n36 | 16s53 | 16s31 | 19s50 | 3s28 | 5n29 |
| M 2 | 21 48 | 18 35 | 4 15 | 15 40 | 2 24 | 24 25 | 1 16 | 18 23 | 0 16 | 5 4 | 0 55 | 10 39 | 2 40 | 21 20 | 0 28 | 8 22 | 0 32 | 16 21 | 6 35 | 16 52 | 16 30 | 19 50 | 3 28 | 5 29 |
| T 3 | 21 57 | 16 36 | 4 47 | 15 48 | 2 25 | 24 23 | 1 18 | 18 33 | 0 15 | 5 2 | 0 55 | 10 38 | 2 40 | 21 19 | 0 28 | 8 22 | 0 32 | 16 21 | 6 35 | 16 51 | 16 29 | 19 49 | 3 28 | 5 28 |
| W 4 | 22 5 | 13 54 | 5 7 | 15 59 | 2 25 | 24 20 | 1 20 | 18 44 | 0 15 | 4 59 | 0 55 | 10 37 | 2 40 | 21 18 | 0 28 | 8 22 | 0 32 | 16 21 | 6 35 | 16 50 | 16 28 | 19 49 | 3 28 | 5 28 |
| T 5 | 22 13 | 10 35 | 5 14 | 16 12 | 2 24 | 24 17 | 1 22 | 18 54 | 0 14 | 4 57 | 0 56 | 10 36 | 2 40 | 21 18 | 0 28 | 8 21 | 0 32 | 16 21 | 6 35 | 16 49 | 16 27 | 19 48 | 3 28 | 5 27 |
| F 6 | 22 20 | 6 47 | 5 7 | 16 28 | 2 22 | 24 13 | 1 24 | 19 4 | 0 14 | 4 55 | 0 56 | 10 35 | 2 39 | 21 17 | 0 28 | 8 21 | 0 32 | 16 21 | 6 35 | 16 48 | 16 26 | 19 47 | 3 28 | 5 27 |
| S 7 | 22 27 | 2 38 | 4 45 | 16 46 | 2 19 | 24 8 | 1 26 | 19 13 | 0 13 | 4 53 | 0 56 | 10 34 | 2 39 | 21 17 | 0 28 | 8 21 | 0 32 | 16 21 | 6 34 | 16 48 | 16 25 | 19 47 | 3 28 | 5 27 |
| S 8 | 22 34 | 1n46 | 4 8 | 17 5 | 2 15 | 24 2 | 1 28 | 19 23 | 0 13 | 4 52 | 0 56 | 10 34 | 2 39 | 21 16 | 0 28 | 8 21 | 0 32 | 16 21 | 6 34 | 16 48 | 16 25 | 19 46 | 3 28 | 5 26 |
| M 9 | 22 40 | 6 13 | 3 17 | 17 25 | 2 11 | 23 56 | 1 30 | 19 33 | 0 12 | 4 50 | 0 57 | 10 33 | 2 39 | 21 16 | 0 28 | 8 21 | 0 32 | 16 21 | 6 34 | 16 48 | 16 24 | 19 46 | 3 28 | 5 26 |
| T 10 | 22 46 | 10 31 | 2 14 | 17 46 | 2 6 | 23 49 | 1 32 | 19 42 | 0 12 | 4 48 | 0 57 | 10 32 | 2 39 | 21 15 | 0 28 | 8 20 | 0 32 | 16 21 | 6 34 | 16 49 | 16 23 | 19 45 | 3 27 | 5 26 |
| W11 | 22 51 | 14 22 | 1 0 | 18 8 | 2 0 | 23 41 | 1 33 | 19 51 | 0 11 | 4 46 | 0 57 | 10 32 | 2 38 | 21 15 | 0 28 | 8 20 | 0 32 | 16 21 | 6 34 | 16 49 | 16 22 | 19 44 | 3 27 | 5 25 |
| T 12 | 22 56 | 17 28 | 0s19 | 18 30 | 1 54 | 23 33 | 1 35 | 20 0 | 0 10 | 4 45 | 0 57 | 10 31 | 2 38 | 21 14 | 0 28 | 8 20 | 0 32 | 16 21 | 6 34 | 16 49 | 16 21 | 19 44 | 3 27 | 5 25 |
| F 13 | 23 0 | 19 28 | 1 39 | 18 52 | 1 48 | 23 24 | 1 36 | 20 9 | 0 10 | 4 43 | 0 58 | 10 30 | 2 38 | 21 13 | 0 28 | 8 19 | 0 32 | 16 21 | 6 33 | 16 49 | 16 20 | 19 43 | 3 27 | 5 24 |
| S 14 | 23 4 | 20 6 | 2 54 | 19 14 | 1 41 | 23 14 | 1 38 | 20 18 | 0 9 | 4 42 | 0 58 | 10 30 | 2 38 | 21 13 | 0 28 | 8 19 | 0 32 | 16 21 | 6 33 | 16 48 | 16 19 | 19 43 | 3 27 | 5 24 |
| S 15 | 23 7 | 19 15 | 3 56 | 19 35 | 1 34 | 23 4 | 1 39 | 20 26 | 0 9 | 4 40 | 0 58 | 10 29 | 2 37 | 21 12 | 0 28 | 8 19 | 0 32 | 16 21 | 6 33 | 16 47 | 16 18 | 19 42 | 3 26 | 5 24 |
| M16 | 23 10 | 17 2 | 4 41 | 19 57 | 1 27 | 22 52 | 1 41 | 20 35 | 0 8 | 4 39 | 0 58 | 10 29 | 2 37 | 21 12 | 0 28 | 8 19 | 0 32 | 16 21 | 6 33 | 16 45 | 16 17 | 19 41 | 3 26 | 5 23 |
| T 17 | 23 13 | 13 42 | 5 6 | 20 18 | 1 20 | 22 41 | 1 42 | 20 43 | 0 8 | 4 38 | 0 59 | 10 28 | 2 37 | 21 11 | 0 28 | 8 18 | 0 32 | 16 21 | 6 33 | 16 44 | 16 16 | 19 41 | 3 26 | 5 23 |
| W18 | 23 15 | 9 36 | 5 10 | 20 38 | 1 13 | 22 28 | 1 43 | 20 51 | 0 7 | 4 37 | 0 59 | 10 28 | 2 37 | 21 10 | 0 28 | 8 18 | 0 32 | 16 21 | 6 33 | 16 42 | 16 15 | 19 40 | 3 26 | 5 22 |
| T 19 | 23 16 | 5 6 | 4 55 | 20 58 | 1 6 | 22 15 | 1 44 | 20 59 | 0 6 | 4 35 | 0 59 | 10 27 | 2 36 | 21 10 | 0 28 | 8 17 | 0 32 | 16 21 | 6 32 | 16 41 | 16 14 | 19 40 | 3 25 | 5 22 |
| F 20 | 23 18 | 0 30 | 4 24 | 21 17 | 0 58 | 22 1 | 1 46 | 21 7 | 0 6 | 4 34 | 0 59 | 10 27 | 2 36 | 21 9 | 0 28 | 8 17 | 0 32 | 16 21 | 6 32 | 16 41 | 16 14 | 19 39 | 3 25 | 5 22 |
| S 21 | 23 18 | 4s 0 | 3 40 | 21 35 | 0 51 | 21 47 | 1 47 | 21 14 | 0 5 | 4 33 | 1 0 | 10 27 | 2 36 | 21 9 | 0 28 | 8 17 | 0 32 | 16 21 | 6 32 | 16 40 | 16 13 | 19 38 | 3 24 | 5 21 |
| S 22 | 23 18 | 8 11 | 2 46 | 21 52 | 0 43 | 21 31 | 1 48 | 21 21 | 0 5 | 4 33 | 1 0 | 10 26 | 2 36 | 21 8 | 0 28 | 8 16 | 0 32 | 16 21 | 6 32 | 16 41 | 16 12 | 19 38 | 3 24 | 5 21 |
| M23 | 23 18 | 11 55 | 1 45 | 22 8 | 0 36 | 21 16 | 1 48 | 21 29 | 0 4 | 4 32 | 1 0 | 10 26 | 2 35 | 21 7 | 0 28 | 8 16 | 0 32 | 16 21 | 6 32 | 16 41 | 16 11 | 19 37 | 3 24 | 5 21 |
| T 24 | 23 17 | 15 4 | 0 41 | 22 23 | 0 28 | 20 59 | 1 49 | 21 36 | 0 3 | 4 31 | 1 0 | 10 26 | 2 35 | 21 7 | 0 28 | 8 16 | 0 32 | 16 21 | 6 32 | 16 41 | 16 10 | 19 36 | 3 23 | 5 20 |
| W25 | 23 16 | 17 31 | 0n24 | 22 38 | 0 21 | 20 42 | 1 50 | 21 42 | 0 3 | 4 30 | 1 1 | 10 26 | 2 35 | 21 6 | 0 28 | 8 15 | 0 32 | 16 21 | 6 32 | 16 41 | 16 9 | 19 36 | 3 23 | 5 20 |
| T 26 | 23 15 | 19 12 | 1 27 | 22 51 | 0 14 | 20 25 | 1 51 | 21 49 | 0 2 | 4 30 | 1 1 | 10 25 | 2 35 | 21 5 | 0 28 | 8 15 | 0 32 | 16 21 | 6 32 | 16 41 | 16 8 | 19 35 | 3 22 | 5 20 |
| F 27 | 23 13 | 20 1 | 2 26 | 23 3 | 0 6 | 20 7 | 1 51 | 21 56 | 0 2 | 4 29 | 1 1 | 10 25 | 2 34 | 21 5 | 0 28 | 8 14 | 0 32 | 16 21 | 6 31 | 16 40 | 16 7 | 19 34 | 3 22 | 5 19 |
| S 28 | 23 10 | 19 57 | 3 18 | 23 14 | 0s 1 | 19 48 | 1 52 | 22 2 | 0 1 | 4 29 | 1 1 | 10 25 | 2 34 | 21 4 | 0 28 | 8 14 | 0 32 | 16 21 | 6 31 | 16 38 | 16 6 | 19 34 | 3 21 | 5 19 |
| S 29 | 23 7 | 19 1 | 4 2 | 23 24 | 0 8 | 19 29 | 1 52 | 22 8 | 0 0 | 4 28 | 1 2 | 10 25 | 2 34 | 21 3 | 0 28 | 8 13 | 0 32 | 16 21 | 6 31 | 16 36 | 16 5 | 19 33 | 3 20 | 5 18 |
| M30 | 23 3 | 17 15 | 4 35 | 23 33 | 0 15 | 19 9 | 1 53 | 22 14 | 0s 0 | 4 28 | 1 2 | 10 25 | 2 34 | 21 3 | 0 28 | 8 13 | 0 32 | 16 21 | 6 31 | 16 33 | 16 4 | 19 32 | 3 20 | 5 18 |
| T 31 | 22s59 | 14s44 | 4n57 | 23s40 | 0s22 | 18s49 | 1s53 | 22s19 | 0s 1 | 4n28 | 1n 2 | 10n25 | 2s33 | 21s 2 | 0s28 | 8s12 | 0s32 | 16s21 | 6n31 | 16s30 | 16s 3 | 19s32 | 3s19 | 5n18 |

Julian Day Number = 2816756.5, Delta T = 54m51s
Ecliptic obliquity = 23°18'28, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 38°44'17, Lahiri = 37°51'18


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